Dated 3/4/7

Planning Agreement

Parties

City of Ryde Council (Council) (ABN 81 621 292 610)

Goodman Property Services (Aust) Pty Ltd (Developer) (ACN 088 981 793)

The Trust Company Limited (Owner) (ACN 004 027 749)

Goodman Funds Management Australia Limited (Trustee) (ACN 113 249 595)

Norton Rose Fulbright Australia Grosvenor Place, 225 George Street Sydney NSW 2000 Telephone: +61 (0)2 9330 8665 www.nortonrosefulbright.com Our ref: 2790963 Felicity Rourke Partner

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Planning agreement dated 3/4//7

Parties

City of Ryde Council ABN 81 621 292 610 of 1 Devlin Street, Ryde, NSW 2112 (Council)

Goodman Property Services (Aust) Pty Limited ACN 088 981 793 of Level 17, 60 Castlereagh Street, Sydney NSW 2000 (Developer)

The Trust Company Limited ACN 004 027 749 of Level 12, 123 Pitt Street, Sydney NSW 2000 (Owner)

Goodman Funds Management Australia Limited ACN 113 249 595 of Level 17, 60 Castlereagh Street Sydney NSW 2000 (Trustee)

Introduction

- A On 5 April 2013 the Developer lodged the Development Application with Council for the Development of Khartoum Road, Macquarie Park, NSW, Lot 1 DP 582794.
- B The Developer is, from time to time, engaged by the Owner to undertake developments on its behalf.
- The Owner is the owner of the Land and, subject to securing a tenant for the Land, proposes to enter into a development agreement with the Developer to carry out the Development on the Land.
- As part of the Development, the Owner proposes to engage the Developer to carry out works and provide public benefits comprising the Development Contribution as described in this Agreement.
- The Development Application seeks approval for development with a Floor Space Ratio of 1.99:1, which exceeds Council's applicable controls.
- F The Development Application was accompanied by an offer by the Developer on behalf of the Owner to enter into this Agreement to make the Development Contribution if the Development Consent is granted and other matters are satisfied.
- G The Development Consent was granted on 5 December 2013 and commenced on 16 September 2014.
- H This Agreement describes the works and public benefits comprising the Development Contribution and provides for the manner in which, and the terms upon which, the Owner is to provide the Development Contribution.

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1. Definitions and interpretation

1.1 Definitions

In this Agreement:

- (a) Act means the Environmental Planning and Assessment Act 1979 (NSW).
- (b) **Agreement** means this document, including any schedule or annexure to it, signed by the parties.
- (c) Approval means any approvals, consents, certificates, permits, endorsements, licences, conditions or requirements (and any modifications or variations to them) which may be required by Law for the commencement and carrying out of the Works or the Development generally and includes a development consent or other approval under the Act.
- (d) Authority means any governmental, semi-governmental, administrative, fiscal or judicial body, department, commission, authority, tribunal, agency or entity and includes an accredited certifier accredited under the Building Professionals Act 2005.
- (e) Business Day means a day that is not a Saturday, Sunday or any other day which is a public holiday or a bank holiday in the place where an act is to be performed or a payment is to be made.
- (f) Claim means any claim, loss, liability, damage, proceedings, order, judgment or expense arising out of the operation of this Agreement.
- (g) Compliance Certificate means a compliance certificate within the meaning of section 109C(1)(a)(i) of the Act to the effect that work has been completed as specified in the certificate and complies with the plans and specifications for the Development.
- (h) Confidential Information means any information and all other knowledge at any time disclosed (whether in writing or orally) by the parties to each other, or acquired by the parties in relation to the other's activities or services which is not already in the public domain and which:
 - (i) is by its nature confidential;
 - (ii) is designated, or marked, or stipulated by either party as confidential (whether in writing or otherwise);
 - (iii) any party knows or ought to know is confidential; or
 - (iv) is information which may reasonably be considered to be of a confidential nature.
- (i) Construction Terms means the terms set out in Schedule 2.

- (j) CPI means the Sydney Consumer Price Index (All Groups) published by the Commonwealth statistician, or if that index no longer exists, any similar index which the Council determines in its sole discretion.
- (k) Council means the City of Ryde Council.
- (I) Council's Discretion means:
 - (i) the Council's power to make any law; or
 - (ii) the Council's exercise of any statutory power or discretion.
- (m) Defects Liability Period means the period of 365 days beginning on the date on which the Developer Works are delivered to Council in accordance with this Agreement.
- (n) Development means the development described in Item 2, Schedule 1.
- (o) Development Application means LDA2013/106;
- (p) **Development Consent** means the deferred commencement development consent granted on 5 December 2013 by the Joint Regional Planning Panel and commencing on 16 September 2014, which authorises the carrying out of the Development on the Land..
- (q) Development Contribution means:
 - (i) the construction by the Owner and the Developer of the Developer Works;
 - (ii) the dedication of the Road Works in favour of Council; and
 - (iii) the granting of the Right of Way in favour of the Council over the Pedestrian Link (unless clause 8 applies in which case the Owner is not required to grant the Right of Way).
- (r) **Developer Works** means the construction by the Owner and the Developer of the Road Works and the Pedestrian Link, in accordance with this Agreement.
- (s) FSR means the ratio of the Gross Floor Area of all buildings within the Land to the Land area.
- (t) Gross Floor Area or GFA means the sum of the floor area of each floor of a building measured from the internal face of external walls, or from the internal face of walls separating the building from any other building, measured at a height of 1.4 metres above the floor, and includes:
 - (i) the area of a mezzanine; and
 - (ii) habitable rooms in a basement or an attic; and
 - (iii) any shop, auditorium, cinema, and the like, in a basement or attic,

but excludes:

- (iv) any area for common vertical circulation, such as lifts and stairs; and
- (v) any basement:

- (A) storage; and
- (B) vehicular access, loading areas, garbage and services; and
- (vi) plant rooms, lift towers and other areas used exclusively for mechanical services or ducting; and
- (vii) car parking to meet any requirements of the consent authority (including access to that car parking); and
- (viii) any space used for the loading or unloading of goods (including access to it); and
- (ix) terraces and balconies with outer walls less than 1.4 metres high; and
- (x) voids above a floor at the level of a storey or storey above.
- (u) Governmental Agency means any government and any governmental body whether:
 - (i) legislative, judicial or administrative;
 - (ii) a department, commission, authority, tribunal, agency or entity;
 - (iii) commonwealth, state, territorial or local;

but does not include a governmental body in respect of any service or trading functions as distinguished from regulatory or fiscal functions.

- (v) Land means the land described in Item 1, Schedule 1.
- (w) Law means:
 - (i) the common law including principles of equity; and
 - (ii) the requirements of all statutes, rules, ordinances, codes, regulations, proclamations, by-laws or consents by an Authority.
- (x) Legislation means the Act and the Local Government Act 1993 (NSW).
- (y) LPI means Land and Property Information, New South Wales.
- (z) Occupation Certificate means any occupation certificate issued under the Environmental Planning and Assessment Act 1979 by the Principal Certifying Authority.
- (aa) Party or Parties means a party or the parties to this agreement including their successors and assigns.
- (bb) Pedestrian Link means the construction of a shared pedestrian link and associated landscaping, of 3m total width along the western boundary of the Land, in accordance with the Pedestrian Link Specifications as depicted in the final design drawings at 0 (Pedestrian Link Final Design) being those works approved in the Development Consent.
- (cc) Pedestrian Link Specifications means the specifications and controls contained in Macquarie Park Review Options Paper 27 March 2013 and Part 4.5, Chapter 4 "Access Networks" Section 4.2 (Pedestrian Connections) of the Ryde DCP 2014

- and [Section 3.2.2 (Typical footpath) OR Section 3.3.2 (Typical footpath detail) of the Macquarie Park Public Domain Technical Manual 2008, as applicable to the construction of the Pedestrian Link.
- (dd) Rectification Certificate means a compliance certificate within the meaning of section 109C(1)(a)(v) of the Act to the effect that work the subject of a Rectification Notice has been completed as specified in the notice.
- (ee) Rectification Notice means a written notice that identifies a breach of this Agreement in respect of any work required to be carried out by the Owner as Developer Works, containing sufficient detail of the work to be done to enable the Council to issue a Rectification Certificate and requiring the breach to be rectified within a reasonable specified time.
- (ff) Regulations means the Environmental Planning and Assessment Regulation 2000 (NSW).
- (gg) Right of Way means a right of footway in favour of the Council for the benefit of the public to go, pass and repass on foot at all times and for all purposes, without animals or vehicles over the Pedestrian Link.
- (hh) Road Works means the construction of a 20.4m wide road, comprising a total area of 1,774 square metres along the southern boundary of the Land connecting to Khartoum Road and public domain works, in accordance with the Road Work Specifications and as depicted in the final design drawings at Annexure A (Road Works Final Design).
- (ii) Road Works Specifications means the specifications and controls for a Type 2 road set out in Part 4.5, Chapter 5 "Public Domain" Section 5.1.3 (Type 2 Streets) of the Ryde DCP 2014 and Section 2.2 "Type 2 Streets" of the Macquarie Park Public Domain Technical Manual 2008, as applicable to the construction of the Road Works.
- (jj) Ryde DCP means the City of Ryde Development Control Plan 2014 adopted by Council on 12 September 2014.
- (kk) Type 2 Road means a road to the dimensions, specifications, requirements and controls contained in Part 4.5, Chapter 5 "Public Domain" of the Ryde DCP.
- (II) Works means the Pedestrian Link and the Road Works.

1.2 Interpretation

- (a) Reference to:
 - (i) one gender includes the others;
 - (ii) the singular includes the plural and the plural includes the singular;
 - (iii) a person includes a body corporate;
 - (iv) a party includes the party's executors, administrators, successors and permitted assigns;
 - (v) a thing includes the whole and each part of it separately;
 - (vi) a statute, regulation, code or other law or a provision of any of them includes:

- (A) any amendment or replacement of it; and
- (B) another regulation or other statutory instrument made under it, or made under it as amended or replaced;
- (vii) dollars means Australian dollars unless otherwise stated; and
- (viii) an Item is to an item in the Schedule.
- (b) "Including" and similar expressions are not words of limitation.
- (c) Where a word or expression is given a particular meaning, other parts of speech and grammatical forms of that word or expression have a corresponding meaning.
- (d) Headings and any table of contents or index are for convenience only and do not form part of this Agreement or affect its interpretation.
- (e) A provision of this Agreement must not be construed to the disadvantage of a party merely because that party was responsible for the preparation of the Agreement or the inclusion of the provision in the Agreement.
- (f) If an act must be done on a specified day which is not a Business Day, it must be done instead on the next Business Day.
- (g) An agreement, representation or warranty on the part of or in favour of two or more persons binds or is for the benefit of them jointly and severally.

2. Planning agreement under the Act

The parties agree that this Agreement is a planning agreement governed by Subdivision 2 of Division 6 of Part 4 of the Act.

3. Application of this Agreement

This Agreement applies to the Land and to the Development.

4. Operation of this Agreement

- 4.1 This document, when unsigned by the parties and attached to the Development Application for the Development lodged by the Developer with the Council, is an irrevocable offer from the Owner and the Developer to the Council to enter into this Agreement if the Council grants Development Consent on conditions acceptable to the Developer, acting reasonably.
- 4.2 This Agreement commences on the latest date on which any of the following occur:
 - (a) each of the following occurs:
 - the Council grants Development Consent on conditions acceptable to the Developer, acting reasonably;
 - (ii) public notice of the granting of the Development Consent has been given in accordance with the Act and the Regulations;
 - (iii) 3 months have elapsed since the date on which that public notice was given; and

- (iv) the date the Developer notifies the Council in writing that it intends to commence the Development;
- (b) any Class 4 action in respect of the validity of the Development Consent has been finally determined;
- the carrying out of any part of the Development is subject to a condition of that Development Consent, imposed under section 93I(3) of the Act, requiring this Agreement to be entered into; and
- (d) all the parties have signed this Agreement.
- 4.3 The Council must notify the Development Consent in accordance with the Act and Regulations in a timely manner.

5. Developer's & Owner's warranties as to capacity

- 5.1 In addition to and despite all other warranties, express or implied, in this Agreement, the Developer and Owner warrant and covenant that:
 - (a) they are empowered to enter into this Agreement and to do all things that will be required by this Agreement;
 - (b) all things have been done or will be done as may be necessary to render this Agreement legally enforceable in accordance with its terms and fully valid and binding on them; and
 - (c) all authorisations by any Governmental Agency that are required or will be required in connection with the execution and delivery of, the performance of obligations under or the validity or enforceability of, this Agreement have been obtained or effected and are or will be fully operative.

6. Road Works

6.1 Construction of Road Works

- (a) The Owner and the Developer must construct the Road Works in accordance with the Road Works Final Design, the Construction Terms and any relevant Approvals.
- (b) The Owner and the Developer must obtain all necessary Approvals to carry out the Road Works.
- (c) The Owner and the Developer must complete the construction of the Road Works prior to dedication of the land on which the Road Works are located under clause 9.1

6.2 Certification of the Road Works

- (a) Within 20 Business Days of the Owner or the Developer advising Council that the Road Works have been completed, the Council must inspect the Road Works and issue to the Owner or the Developer either a Compliance Certificate for the Road Works or a notice requiring further work to be undertaken before a Compliance Certificate is issued.
- (b) The Owner and the Developer must carry out any additional work specified in the notice provided under clause 6.2(a) to the Council's satisfaction, acting reasonably.

(c) The Road Works will be taken to have been completed for the purposes of this Agreement once a Compliance Certificate is issued for those works by the Council and the Council will take over the responsibility for those Road Works as at the date the land is dedicated to the Council under clause 9.1, subject to any defects liability period as required by the Construction Terms.

7. Pedestrian Link

7.1 Construction of Pedestrian Link

- (a) The Owner and the Developer shall construct the Pedestrian Link in accordance with the Pedestrian Link Final Design, the Construction Terms and any relevant Approvals.
- (b) The Owner and the Developer must obtain all necessary Approvals to carry out the Pedestrian Link.
- (c) The construction of the Pedestrian Link is to be completed prior to the creation of the Right of Way as required by clause 9.2.

7.2 Certification of Pedestrian Link

- (a) Within 14 days of the Owner advising Council that the Pedestrian Link is complete, the Council must issue to the Owner or the Developer, a Compliance Certificate for the Pedestrian Link or a notice requiring further work to be undertaken before a Compliance Certificate is issued.
- (b) The Owner and the Developer must carry out any additional work specified in the notice provided under clause 7.3(a) to the Council's satisfaction, acting reasonably.
- (c) The Pedestrian Link will be taken to have been completed for the purposes of this Agreement once a Compliance Certificate is issued for those works by the Council, and Council will, subject to the terms of the Right of Way and any defects liability period as required by the Construction Terms, take over responsibility for the Pedestrian Link as at the date the Right of Way is created.

8. Realignment of Pedestrian Link

- 8.1 The parties acknowledge that Council may in its absolute discretion decide to realign the Pedestrian Link due to the redevelopment of sites adjoining the Land, so that the Pedestrian Link is located wholly off the Land (the **Realignment**). The Realignment is at Council's expense.
- 8.2 The Council must give the Owner and the Developer written notice of its decision in respect of the Realignment as soon as is practicably possible, and in any event within 7 days of reaching its decision.
- 8.3 If the Realignment occurs, the parties acknowledge that neither the Owner nor the Developer is:
 - entitled to any reduction or credit when calculating contributions or levies payable by the Owner under section 94 or section 94A of the Act in respect of the Development, nor any refund of such moneys already paid;
 - (b) entitled to any compensation for the realignment of the Pedestrian Link:

- (c) liable for the cost of the relocation or reconstruction of the Pedestrian Link in accordance with the Realignment; or
- (d) liable for or required to undertake the restoration of the land where the Pedestrian Link was partially or wholly constructed.
- 8.4 If the Realignment occurs, Council must promptly surrender the Right of Way over the Pedestrian Link, if the Right of Way has been registered. Council shall, upon submission by the Owner to Council of documentation necessary to surrender the Right of Way, execute the said documentation.

9. Dedication

9.1 Dedication of the Road Works

- (a) The Owner agrees to dedicate the land on which the Road Works are constructed as a public road, and Council agrees to accept the dedication subject to the completion of the Road Works in accordance with this Agreement.
- (b) On or before the date on which the Owner or the Developer advises Council that the Road Works are complete, the Developer must prepare a plan of subdivision to dedicate the land on which the Road Works are constructed as a public road, in accordance with section 9 of the Roads Act 1993.
- (c) Council must, if a Compliance Certificate has been issued for the Road Works and provided any other relevant statutory requirements are complied with, issue the subdivision certificate for the plan of subdivision referred to under clause 9.1(b) within 21 days of being requested to do so by the Owner or the Developer.
- (d) The Owner must lodge the plan of subdivision referred to under clause 9.1(b) at the LPI prior to the issue of an Occupation Certificate for the Development, or at a later date agreed by the parties.

9.2 Creation of the Right of Way

- (a) The Owner must grant the Right of Way over the Pedestrian Link (unless a Realignment of the Pedestrian Link occurs in accordance with clause 8 in which case the provisions of that clause apply) and the Council agrees to accept the Right of Way subject to the completion of the Pedestrian Link.
- (b) On or before the completion of the Pedestrian Link, the Developer must prepare all documents, including survey plans, necessary to create and register a Right of Way over the Pedestrian Link in accordance with Section 88B of the Conveyancing Act 1919.
- (c) The Owner must lodge the documents referred to under clause 9.2(b) at the LPI and establish that the Right of Way has been registered, prior to the issue of an Occupation Certificate for the Development, or at a later date agreed by the parties.
- (d) The parties acknowledge that the documents referred to in clause 9.1(b) and clause 9.2(b) may be dealt with in the same plan of subdivision.

9.3 Acquisition of Land to be Dedicated

(a) If the Owner does not transfer or grant to the Council the interests in land as required by this Agreement the Council may compulsorily acquire the relevant land or interest, in which case:

- (i) the Owner consents to the Council compulsorily acquiring that land for compensation in the amount of \$1.00 without having to follow the preacquisition procedures in the Land Acquisition (Just Terms Compensation) Act 1991; and
- (ii) Council may call upon the Bank Guarantee provided under clause 29 to cover the Council's costs (including survey costs, registration fees and legal costs) of the acquisition.
- (b) Clause 9.3(a) constitutes an agreement for the purposes of s30 of the Land Acquisition (Just Terms Compensation) Act 1991.
- (c) Except as otherwise agreed between the Owner and the Council, the Developer must ensure that the land to be acquired under this clause 9.3 is free of all encumbrances and affectations (including any charge or liability for rates, Taxes and charges), on the date that the Council will acquire the land.
- (d) The Owner indemnifies and keeps indemnified the Council against all Claims made against the Council as a result of any acquisition by the Council of the whole or any part of the relevant interest in land under this clause 9.3.
- (e) The Owner must pay the Council, promptly on demand, an amount equivalent to all costs (including survey costs, registration fees and legal costs) incurred by the Council in acquiring the whole or any part of the relevant interest in the land.

10. Not used

11. Cost of Road Works

11.1 Cost of Works

- (a) The parties acknowledge and agree that as at the date of this Deed the cost of the Road Works and Pedestrian Link is \$1,506,000 excluding GST as estimated by Wilde & Woollard Quantity Surveyors in a report dated 1 February 2017.
- (b) The Developer is solely responsible for the cost of constructing the Road Works and the Pedestrian Link including where the actual cost of that construction exceeds the amount referred to in clause 11.1(a).

12. Application of s94, s94A and s94EF of the Act to the Development

- 12.1 This Agreement does not exclude the application of Sections 94, 94A or 94EF of the Act to the Development.
- 12.2 The Development Contribution delivered under this Agreement is not to be taken into consideration when determining a development contribution under section 94 of the Act.

13. Registration of this Agreement

- 13.1 If the Council notifies the Owner that it requires this Agreement to be registered on the title to the Land, the parties must take all practicable steps to enable registration of this Agreement by the LPI on the title to the Land, including executing any documents.
- 13.2 Council shall within 14 days of the Owner's and the Developer's compliance with this Agreement and submission by the Owner and the Developer to Council of documentation

necessary to remove this agreement from the title to the Land, execute the said documentation.

14. Rectification of defects

- 14.1 The Council may give the Owner or the Developer a Rectification Notice during the Defects Liability Period.
- 14.2 The Owner and the Developer must comply with a Rectification Notice at its cost.
- 14.3 When the Owner or the Developer considers that it has complied with a Rectification Notice it may request the Council to issue a Rectification Certificate relating to the work the subject of the relevant Rectification Notice.
- 14.4 Within 21 days of receipt of the Owner's or the Developer's request under clause 14.3, the Council must:
 - (a) issue a Rectification Certificate to the Owner or the Developer if it is satisfied that the Owner or the Developer has complied with the relevant Rectification Notice; or
 - (b) give the Owner or the Developer notice of its decision to refuse to issue a Rectification Certificate containing sufficient detail of the reasons for its decision so as to inform the Owner of the work that needs to be done to enable the Council to issue a Rectification Certificate.
- 14.5 If the Owner or the Developer does not fully comply with a Rectification Notice, the Council may rectify the defect and may recover the reasonable cost of doing so by calling on the bank guarantee provided under clause 29 or as a debt due in a court of competent jurisdiction.

15. Floor Space Ratio and Gross Floor Area

- 15.1 The parties acknowledge that:
 - (a) the Development Application seeks approval for Development with a Floor Space Ratio of 1.99:1 (11,831sqm) which exceeds Council's controls;
 - (b) the area of the Land is 5,937sqm;
 - (c) the area of the Road Works is 1,774sqm;
 - (d) the total area of the Road Works will be added to the Land area to provide for a GFA of 7,711sqm and FSR 1.53:1;
 - the total area of the Pedestrian Link shall not be added to the Land Area for the purposes of calculating the FSR of the Development;
 - (f) the Development Contribution is proposed in connection with the Development;
 - (g) the Owner and the Developer will pay contributions pursuant to Sections 94 or 94A of the Act on the total achieved GFA in the Development, in respect of which the Development Application seeks approval of 11,831 sqm.

16. Dispute resolution

- 16.1 If a dispute arises in connection with this Agreement, a party to the dispute must give to the other party notice specifying the dispute and requiring its resolution under this clause 16 (Notice of Dispute).
- The chief executive officer or other senior representative of the Developer or Owner and General Manager of the Council or their nominated representatives must confer within 3 days after the Notice of Dispute is given to try to resolve the dispute.
- 16.3 If the dispute is not resolved within 7 days after the Notice of Dispute is given to the other party (First Period), the dispute is by this clause submitted to mediation. The mediation must be conducted in Sydney, NSW. The Institute of Arbitrators and Mediators Australia Mediation and Conciliation Rules (at the date of this Agreement) as amended by this clause 16 apply to the mediation, except where they conflict with this clause 16.
- 16.4 If the parties have not agreed upon the mediator and the mediator's remuneration within 10 days after the First Period:
 - (a) the mediator is the person appointed by; and
 - (b) the remuneration of the mediator is the amount or rate determined by;

the Chair of the NSW Chapter of the Institute of Arbitrators and Mediators Australia (**Principal Appointor**) or the Principal Appointor's nominee, acting on the request of any party to the dispute.

- 16.5 The parties must pay the mediator's remuneration in equal shares. Each party must pay its own costs of the mediation.
- 16.6 If the dispute is not resolved within 28 days after the appointment of the mediator (**Second Period**), either party may by written notice to the other party require the dispute to be submitted to expert determination.
- 16.7 The provisions of the Expert Determination Rules 2010 as published by The Institute of Arbitrators and Mediators Australia (to be found on its website www.iama.org.au) apply to the expert determination, except to the extent that there are inconsistent provisions in this Agreement.
- Despite anything in this clause 16, a party at any time may commence court proceedings in relation to any dispute or claim arising under or in connection with this Agreement where that party seeks urgent interlocutory relief.
- Despite the reference of a dispute to expert determination under this clause 16, the parties must continue to perform their obligations under this Agreement. In the award, the expert may make any appropriate adjustment for the performance of obligations under this Agreement since the Notice of Dispute was given.
- 16.10 Subject to clause 16.8, a party must not commence or maintain a court action or proceeding upon a dispute in connection with this Agreement until the dispute has been referred to an expert and determined under this clause 16.
- 16.11 This clause 16 continues in force even where the Agreement has been fully performed, terminated or rescinded or where the parties or any of them have been discharged from the obligation to further perform the Agreement for any reason.
- 16.12 This clause 16 applies even where the Agreement is otherwise void or voidable.

16.13 The parties must:

- (a) keep confidential any information or documents disclosed under this clause; and
- (b) only use any information or documents disclosed under this clause to attempt to resolve the dispute.

17. Confidentiality

- 17.1 The terms of this Agreement are not confidential. This Agreement may be exhibited by either party.
- 17.2 Except as stated in this Agreement, Council must not and must not permit any of its officers, employees, agents, contractors or related companies to use or to disclose any Confidential Information to any person without the prior written consent of the Developer.
- 17.3 If requested by a party, the other party must:
 - (a) not issue, publish or authorise any media release, advertisement or publicity concerning this Agreement without obtaining the prior written consent of the other party; and
 - ensure that its officers, employees, agents, contractors and related companies do the same.
- 17.4 This clause 17 does not apply to any information which:
 - is generally available to the public (other than as a result of the wrongful disclosure by the Council); or
 - (b) is required to be disclosed by any law.

18. Approvals and consent

18.1 Each party may conditionally or unconditionally give or withhold its approval or consent in its absolute discretion unless this Agreement expressly provides otherwise.

19. Severability

19.1 If any provision in this Agreement is unenforceable, illegal or void or makes this Agreement or any part of it unenforceable, illegal or void, then that provision is severed and the rest of this Agreement remains in force.

20. Assignment

- 20.1 The Developer and the Owner may assign or otherwise deal with this Agreement or any interest in the Land with the prior written consent of the Council which consent must not be unreasonably withheld.
- 20.2 The Council is required to give its consent under clause 20.1 if:
 - the Developer or the Owner gives the Council at least 10 Business Days' notice of the proposed assignment;

- (b) the proposed assignee provides to the Council a replacement of the Bank Guarantee referred to in clause 29 (if it has not been released) in a form satisfactory to the Council;
- (c) the proposed assignee executes a deed with the Council under which:
 - the proposed assignee agrees to perform all of the obligations of the Owner and the Developer under this Agreement which have not already been performed;
 - (ii) the proposed assignee is bound by this Agreement as if the proposed assignee were named in this Agreement in place of the Owner and the Developer; and
 - (iii) the Owner and the Developer are released from their obligations under this Agreement;
- (d) the Owner and the Developer pay all expenses (including legal costs on a solicitor and own client or full indemnity basis, whichever is greater) incurred by the Council in investigating the proposed assignee or in connection with the proposed assignment.
- 20.3 On receipt of the deed referred to in clause 20.2(c) the Council must execute the deed so that the Owner and the Developer are released from their obligations under this Agreement.

21. No fetter

21.1 The parties:

- (a) acknowledge that the Council is a consent authority, having statutory rights and obligations under the Legislation; and
- (b) do not intend this Agreement to fetter Council's Discretion.
- 21.2 If, contrary to the parties' intention, any provision in this Agreement is held by a court of competent jurisdiction to constitute an unlawful fetter on Council's Discretion:
 - (a) the parties must take all practical steps, including the execution of any further documents, to ensure that the objective of clause 21.1 is substantially satisfied; and
 - (b) if clause 21.2(a) cannot be achieved without unlawfully fettering Council's Discretion, the relevant provision is severed and the rest of this Agreement remains in force.

21.3 lf:

- (a) the Legislation permits the Council to contract out of a provision of that Legislation or gives the Council power to exercise Council's Discretion; and
- (b) the Council has in this Agreement contracted out of a provision or exercised Council's Discretion, then to that extent this Agreement is to be regarded as consistent with the Legislation.

22. Goods and services tax

22.1 Definitions

In this clause 22:

- (a) **GST** means GST as defined in *A New Tax System (Goods and Services Tax)*Act 1999 as amended (**GST Act**) or any replacement or other relevant legislation and regulations; and
- (b) words or expressions used in this clause which have a particular meaning in the **GST law** (as defined in the GST Act, and also including any applicable legislative determinations and Australian Taxation Office public rulings) have the same meaning, unless the context otherwise requires.
- (c) Any liability for GST in relation to the Developer Works and this Agreement is the sole responsibility of the Owner and the Developer.

23. Further assurance

Each party must promptly at its own cost do all things (including executing and if necessary delivering all documents) necessary or desirable to give full effect to this Agreement.

24. Entire understanding

- 24.1 Subject to clause 24.2, this Agreement:
 - (a) is the entire agreement and understanding between the parties on everything connected with the subject matter of this Agreement; and
 - (b) supersedes any prior agreement or understanding on anything connected with that subject matter.
- 24.2 The explanatory note prepared in relation to this Agreement under clause 25E(1) of the Environmental Planning and Assessment Regulation 2000 (NSW) may be used to assist in construing this Agreement.

25. Variation

25.1 An amendment or variation to this Agreement is not effective unless it is in writing and signed by the parties.

26. Waiver

- A party's failure or delay to exercise a power or right does not operate as a waiver of that power or right unless otherwise set out in this Agreement.
- The exercise of a power or right does not preclude either its exercise in the future or the exercise of any other power or right.
- 26.3 A waiver is not effective unless it is in writing.
- Waiver of a power or right is effective only in respect of the specific instance to which it relates and for the specific purpose for which it is given.

27. Costs and outlays

- 27.1 The Developer must pay the Council's legal costs and disbursements in connection with the negotiation, preparation, execution, carrying into effect and release and discharge of this Agreement.
- 27.2 The Developer must pay all stamp duty and other government imposts payable in connection with this Agreement and all other documents and matters referred to in this Agreement when due or earlier if requested in writing by the Council.

28. Notices

- 28.1 A notice or other communication connected with this Agreement (**Notice**) has no legal effect unless it is in writing.
- 28.2 In addition to any other method of service provided by law, the Notice may be:
 - (a) sent by prepaid ordinary post to the address for service of the addressee, if the address is in Australia and the Notice is sent from within Australia:
 - (b) sent by prepaid airmail to the address for service of the addressee, if the address is outside Australia or if the Notice is sent from outside Australia:
 - (c) sent by facsimile to the facsimile number of the addressee; or
 - (d) delivered at the address for service of the addressee.
- 28.3 A certificate signed by a party giving a Notice or by an officer or employee of that party stating the date on which that Notice was sent or delivered under clause 28.2 is prima facie evidence of the date on which that Notice was sent or delivered.
- 28.4 If the Notice is sent or delivered in a manner provided by clause 28.2, it must be treated as given to and received by the party to which it is addressed:
 - (a) if sent by post from within Australia to an address in Australia, on the 2nd Business Day (at the address to which it is posted) after posting:
 - (b) if sent by post to an address outside Australia or sent by post from outside Australia, on the 5th Business Day (at the address to which it is posted) after posting;
 - (c) if sent by facsimile before 5pm on a Business Day at the place of receipt, on the day it is sent and otherwise on the next Business Day at the place of receipt; or
 - (d) if otherwise delivered before 5pm on a Business Day at the place of delivery, upon delivery, and otherwise on the next Business Day at the place of delivery.

28.5 Despite clause 28.4(c):

- a facsimile is not treated as given or received unless at the end of the transmission the sender's facsimile machine issues a report confirming the transmission of the number of pages in the Notice;
- (b) a facsimile is not treated as given or received if it is not received in full and in legible form and the addressee notifies the sender of that fact within 3 hours after the transmission ends or by 12 noon on the Business Day on which it would otherwise be treated as given and received, whichever is later.

- 28.6 If a Notice is served by a method which is provided by law but is not provided by clause 28.2, and the service takes place after 5pm on a Business Day, or on a day which is not a Business Day, it must be treated as taking place on the next Business Day.
- A Notice sent or delivered in a manner provided by clause 28.2 must be treated as validly given to and received by the party to which it is addressed even if:
 - (a) the addressee has been liquidated or deregistered or is absent from the place at which the Notice is delivered or to which it is sent; or
 - (b) the Notice is returned unclaimed.

Council's address for service and facsimile number are:

Name

City of Ryde Council

Attention

General Manager

Attention

1 Devlin Street, Ryde, NSW 2112

Facsimile no

(02) 9952 8070

Developer's address for service and facsimile number are:

Name

Goodman Property Services (Aust) Pty Limited

Attention

-Head of Legal - Property

Address

Level 17, 60 Castlereagh Street, Sydney NSW 2000

Facsimile no

(02) 9230 7444

Owner's address for service and facsimile number are:

Name

The Trust Company Limited

Attention

Manager - Custody

Address

Level 18, 123 Pitt Street, Sydney

Facsimile no

(02) 8256 1473

Trustee's address for service and facsimile number are:

Name

Goodman Funds Management Australia Limited

Attention

Fund Manager

Address

Level 17, 60 Castlereagh Street, Sydney NSW 2000

Facsimile no

(02) 9230 7444

- 28.8 A party may change its address for service or facsimile number by giving Notice of that change to each other party.
- 28.9 If the party to which a Notice is intended to be given consists of more than 1 person then the Notice must be treated as given to that party if given to any of those persons.
- 28.10 Any Notice by a party may be given and may be signed by its solicitor.

29. Bank guarantee for performance

- 29.1 Upon execution of this Agreement the Owner and the Developer must provide to the Council an unconditional and irrevocable written undertaking (Bank Guarantee):
 - (a) issued by a bank as defined by the *Banking Act 1959* or a financial organisation approved by the Council;

(b) for the amount of \$1,506,000.00 plus GST, indexed in accordance with movements in the CPI from the date of this Agreement to the date of the Bank Guarantee;

in favour of and on terms acceptable to the Council, as security for the performance by the Owner and the Developer of their obligations under this Agreement.

29.2 The Owner and the Developer must:

- ensure that the Bank Guarantee is kept current and enforceable and that it does
 not expire until the Owner and the Developer have provided the whole of the
 Development Contribution, any Defects Liability Period has ended and there is no
 outstanding Rectification Notice;
- (b) if the Council makes a demand on the Bank Guarantee for an amount less than that referred to in clause 29.1(b), provide a replacement Bank Guarantee for the balance of the amount referred to in clause 29.1(b) when requested by the Council; and
- (c) pay all expenses associated with the provision and maintenance of the Bank Guarantee.
- 29.3 Within 20 Business Days of each anniversary of a Bank Guarantee provided under clause 29.1, the Owner and the Developer must provide Council with one or more replacement Bank Guarantees. Each replacement Bank Guarantee is to be in the amount of \$1,506,000.00 plus GST, indexed in accordance with movements in the CPI from the date of this Agreement to the date of the replacement Bank Guarantee.
- 29.4 On receipt of any replacement Bank Guarantee, the Council must release and return to the Developer, as directed, the Bank Guarantees which it holds that have been replaced.
- 29.5 If the Owner and the Developer fail to deliver any Development Contribution under this Agreement, the Council may take action to complete works or acquire any land to be dedicated as it considers appropriate in the circumstances and, after giving reasonable notice to the Owner and the Developer (which must not be less than 20 Business Days) call on and apply the proceeds of a Bank Guarantee in satisfaction of:
 - (a) any obligation of the Owner or the Developer under this Agreement; or
 - (b) any associated liability, loss, cost, charge or expense directly or indirectly incurred by the Council because of the failure by the Owner and the Developer to comply with this Agreement.
- 29.6 Nothing in this agreement affects the Council's right, under this clause 29, to make a demand on or claim against a Bank Guarantee.

30. Governing law and jurisdiction

- 30.1 The law of New South Wales governs this Agreement.
- 30.2 The parties submit to the non-exclusive jurisdiction of the courts of New South Wales and of the Commonwealth of Australia.

31. Limitation of Owner's Liability

31.1 The Owner enters into this Agreement as custodian for the Trust and in no other capacity.

- 31.2 The parties other than the Owner acknowledge that the Obligations are incurred by the Owner solely in its capacity as custodian of the Assets and that the Owner will cease to have any Obligation under this Agreement if the Owner ceases for any reason to be owner of the Assets.
- 31.3 The Owner will not be liable to pay or satisfy any Obligations except to the extent to which it is indemnified or entitled to be indemnified:
 - (a) by the Trustee; or
 - (b) out of the Assets in respect of any liability incurred by it.

The obligation of the Trustee to indemnify the Owner and the right of the Owner to be indemnified out of the Assets are limited.

- The parties other than the Owner may enforce their rights against the Owner arising from non-performance of the Obligations only to the extent of the Owner indemnities referred to in clause 31.3.
- 31.5 Subject to clause 31.6, if any party other than the Owner does not recover all money owing to it arising from non-performance of the Obligations it may not seek to recover the shortfall by:
 - (a) bringing proceedings against the Owner in its personal capacity; or
 - (b) applying to have the Owner wound up or proving in the winding up of the Owner.
- 31.6 Except in the case of and to the extent of fraud, negligence or breach of duty on the part of the Owner under its custody agreement with the Trustee, the parties other than the Owner waive their rights and release the Owner from any personal liability whatsoever, in respect of any loss or damage:
 - (a) which they may suffer as a result of any:
 - (i) breach by the Owner of any of its Obligations; or
 - (ii) non-performance by the Owner of the Obligations; and
 - (b) which cannot be paid or satisfied by the indemnities set out above in clause 31.3 in respect of any liability incurred by it.
- 31.7 The parties other than the Owner acknowledge that the whole of this Agreement is subject to this clause, and subject to clause 31.6, the Owner shall in no circumstances be required to satisfy any liability arising under, or for non-performance or breach of any Obligations under or in respect of, this Agreement or under or in respect of any other document to which it is expressed to be a party out of any funds, property or assets other than to the extent that this Agreement requires satisfaction out of the Assets under the Owner's control and in its possession as and when they are available to the Owner to be applied in exoneration for such liability.
- 31.8 The parties acknowledge that the Trustee is responsible under the Constitution for performing a variety of obligations relating to the Trust, including under this Agreement. The parties agree that no act or omission of the Owner (including any related failure to satisfy any Obligations) will constitute fraud, negligence or breach of duty of the Owner for the purposes of clause 31.6 to the extent to which the act or omission was caused or contributed to by any failure of the Trustee or any other person to fulfil its obligations relating to the Trust or by any other act or omission of the Trustee or any other person.

- 31.9 No attorney, agent or other person appointed in accordance with this Agreement has authority to act on behalf of the Owner in a way which exposes the Owner to any personal liability and no act or omission of such a person will be considered fraud, negligence or breach of duty of the Owner for the purposes of clause 31.6.
- 31.10 Nothing in this clause 31 affects or limits the Council's right to make a demand on or claim against a Bank Guarantee provided under this Agreement or to acquire any part of the Land in accordance with the terms of this Agreement.

32. Limitation of Trustee's Liability

32.1 Capacity

The Trustee's liability under this Agreement is limited to the Trustee's Capacity and the Trustee is not liable in any other capacity.

32.2 Limitation

Subject to clause 32.4 the liability of the Trustee in respect of any cause of action, claim or loss arising:

- (a) under or in connection with this Agreement;
- (b) in connection with any transaction, conduct or any other agreement contemplated by this Agreement; or
- (c) under or in connection with (to the extent permitted by law) any representation or undertaking given or to be given in connection with this Agreement,

(each, a *Trust Claim*), is limited to the Assets. The right of the parties other than the Trustee to recover any amount in respect of any (and all) Trust Claims is limited to a right to recover an amount not exceeding the amount which the Trustee is entitled and able to recover from the Assets (after taking account of the costs of exercising its right of indemnity or exoneration) and if, after exercise of those rights, any such amount remains outstanding, no further Trust Claim may be made against the Trustee personally.

32.3 Acknowledgment of limitations

The parties other than the Trustee agree and acknowledge that they must not, in respect of any Trust Claim:

- (a) subject to clause 32.4, bring proceedings against the Trustee in its personal capacity;
- (b) seek to appoint an administrator or liquidator to the Trustee;
- (c) commence the winding-up, dissolution or administration of the Trustee; or
- (d) appoint a receiver, receiver and manager, administrative receiver or similar official to all or any of the assets of the Trustee,

except to the extent that the steps taken affect any Assets or the Trustee's right of recourse against, and indemnity from, the Assets and nothing else.

32.4 Exception

If the Trustee acts negligently, fraudulently, with wilful misconduct or in breach of trust with a result that:

- (a) the Trustee's right of indemnity, exoneration or recoupment of the Assets; or
- (b) the actual amount recoverable by the Trustee in exercise of those rights,

is reduced in whole or in part or does not exist, then to the extent that such right or the amount so recoverable is reduced or does not exist, the Trustee may be personally liable.

32.5 Owner obligations

- (a) Despite any other provision in this Agreement, but subject to the limitations on the Trustee's liability under this clause 32, the Trustee is responsible for all of the obligations of the Owner under this Agreement, other than the Custodial Obligations, as if all references in this Agreement to the Owner (except those relating to the Custodial Obligations) were references to the Trustee.
- (b) Subject to the limitations on the liability of the Trustee under this clause 32, the Trustee must do all things reasonably required to procure the Owner to comply with the Custodial Obligations.

32.6 Trustee warranties

The Trustee warrants that:

- true and complete copies of the Constitution, the Trust Deed and the Custodian Agreement have been supplied to the Council's solicitors prior to the date of this Agreement;
- (b) the Trust is validly created and subsisting and no circumstances exist pursuant to which it may be determined and no date of the vesting of any of the Trust fund has been appointed other than as may be set out in the Constitution as at the date of this Agreement;
- the Trustee is validly appointed as the sole trustee of the Trust, is not aware of any breach of its obligations as trustee and is not aware of any circumstances which exist pursuant to which it may be removed as at the date of this Agreement;
- (d) this Agreement is duly executed and granted pursuant to and in proper exercise of the powers of the Trustee as trustee of the Trust and all formalities required by the Constitution in connection with this Agreement have been complied with;
- (e) execution and performance of this Agreement is for a proper purpose of and is intended to provide commercial benefit to the Trust;
- (f) subject to the limitation of liability in clause 32, the Owner is entitled to be fully indemnified out of the assets of the Trust in respect of its liability under this Agreement;
- (g) the Owner is the legal owner of the assets of the Trust, which includes the land, as at the date of this Agreement;
- (h) the Trust has not been terminated and no action is pending to terminate the Trust as at the date of this Agreement; and
- (i) no liquidation of the Trust has occurred, as at the date of this Agreement.

32.7 Change of custodian

If:

- (a) another person replaces the Owner as the custodian of the assets of the Trust; or
- (b) another person becomes the custodian of the Trust jointly with the Owner, (New Custodian),

the Trustee must procure that the Owner and the New Custodian enter into an agreement with the Council under which the New Custodian agrees to be bound by the Owner's obligations under this Agreement.

32.8 Nothing in this clause 32 affects or limits the Council's right to make a demand on or claim against a Bank Guarantee provided under this Agreement or to acquire any part of the Land in accordance with the terms of this Agreement.

32.9 Definitions

The following definitions apply where used in clauses 31 and 32:

- (a) Assets includes all assets, property and rights real and personal of any value whatsoever of the Trust.
- (b) Constitution means the constitution of the Trust as amended from time to time.
- (c) Custodial Obligations means those obligations of the Owner and of the Trustee which only the Owner can perform or which the Owner is required by Law or otherwise to perform as a consequence of the Owner being the registered owner (as custodian of the Trust) of the Land.
- (d) Obligations means all obligations and liabilities of whatever kind undertaken or incurred by, or devolving upon, the Owner under or in respect of this Agreement.
- (e) Trust means Goodman Australia Industrial Trust No 3.
- (f) Trustee's Capacity means as responsible entity of the Trust.

Schedule 1

Item 1 Land

Land means Lot 1 in DP 582794 (also known 8 Khartoum Road, Macquarie Park NSW).

Item 2 Development

The Development comprises:

- The demolition of an existing office building on the Land;
- The construction of a six storey commercial office building with plant;
- Three levels of basement parking for 250 car spaces;
- Ground floor retail café use fronting Khartoum Road;
- Provision of the Road Works, being a 20.4m wide Type 2 Road along the southern boundary of the Land connecting to Khartoum Road (with a modified location from that shown on the access network map) known as Road 1;
- Provision of 3m pedestrian link including landscaping along the western boundary of the Land;
- Landscaping of the Land including the nature strip on Khartoum Road; and
- Associated stormwater management works;

generally in accordance with the Statement of Environmental Effects dated April 2013 prepared by Urbis Pty Ltd and accompanying reports and drawings, received by Council as LDA 2013/106.

Schedule 2

This Schedule 2 applies to all Works.

1. Approvals and Design responsibility

- 1.1 The Developer must at its cost and risk:
 - (a) prepare all applications and submit such applications and obtain all Approvals necessary to carry out the Works; and
 - (b) comply with all conditions of all such Approvals.

2. Construction phase

- 2.1 Subject to paragraph 2.2 of this Schedule 2, the Developer must procure the execution and completion of the Works in accordance with:
 - (a) the Approvals;
 - (b) any Works program agreed with the Council; and
 - (c) its other obligations under this Agreement.
- 2.2 The Developer must not commence construction of any of the Works until it has given the Council copies of all Approvals relating to the Works.

3. Review of Works and Construction Documents

- 3.1 The Developer acknowledges and agrees that:
 - the Council is not responsible for any errors omissions or non-compliance with any Law or the requirement of any Authority by reason of agreeing to the plans and specifications of the Works;
 - (b) the Council is not liable for any liability, loss or cost incurred by the Developer because of any defect in the design or construction of any part of the Works; and
 - no comment, review or information supplied to the Developer by the Council alters or alleviates the Developer from its obligation to construct and complete the Works in accordance with this Agreement.

4. Developer responsibilities

- 4.1 The Developer is responsible for the delivery and care of the Works at all times prior to the dedication of land and the creation of the Right of Way required under clause 9 (Handover).
- 4.2 Prior to Handover, the Developer is responsible for:
 - (a) providing all things and taking all measures reasonably within its control to protect people and property in relation to the land on which the Works are located and

- where failure to do so may render the Council or the Developer liable under the Law; and
- (b) taking any urgent action in relation to the land on which the Works are located necessary to protect people and the consequences of any failure to take such action where failure to do so may render the Council or the Developer liable under the Law.

5. Damage

5.1 If the Developer or the employees or agents of the Developer damage any public utilities and services or property on or adjacent to the land on which the Works are located, the Developer must promptly make good the damage and pay any compensation which the Law requires the Developer to pay.

6. Best Industry Practice

6.1 The Developer must ensure that the Works are designed and carried out according to Best Industry Practice.

7. Quality of Material and Work

- 7.1 The Developer must procure the Works to be carried out:
 - (a) using good quality materials, which must be suitable for the purpose for which they are required under this Agreement;
 - (b) without the use of asbestos in any form;
 - (c) in compliance with relevant standards determined by Australian Standards Limited, the Building Code of Australia and any relevant manufacturers' standards; and
 - (d) so that the Works, when completed, are suitable for the purpose for which they are required as contemplated by the relevant Approvals.

8. Insurance

- 8.1 The Developer must ensure that there is effected and maintained insurance policies covering such risks, and on terms, reasonably acceptable to the Council including:
 - (a) physical loss, damage or destruction of each aspect of the Works (including any associated temporary works);
 - (b) third party liability;
 - (c) contractors; and
 - (d) professional indemnity insurance with respect to design works only.
- The policies must provide cover for the period from the date of the commencement of construction of the Works until the end of any relevant Defects Liability Period for each and every aspect of the Works.
- The insurance cover in relation to works insurance must be for an amount not less than the full insurable value of the relevant Works on a full reinstatement and replacement basis

(including extra costs of reinstatement, costs of demolition and removal of debris, and professional fees).

- 8.4 All insurances which the Developer is required by this Agreement to effect and maintain:
 - (a) must be with an insurer that is licensed by the Australian Prudential Authority (APRA) to operate in Australia or has an investment grade rating from an industry recognised rating agency such as Moodies, Standard & Poors or Bests;
 - (b) must note the rights and interests of the Council; and
 - (c) must not in any respect limit or derogate from the liabilities or obligations of the Developer under this Agreement.
- Whenever reasonably requested in writing by the Council, the Developer must give the Council certificates of the insurance policies which the Developer is required by this Agreement to effect and maintain.
- The Developer must punctually pay all premiums in respect of all insurances required under this Agreement.
- 8.7 The Developer must:
 - not do or omit to do anything which if done or not done might vitiate, impair, derogate or prejudice any insurance or might prejudice any claim under any insurance policy;
 - (b) if necessary, rectify anything which might prejudice any insurance policy;
 - (c) reinstate an insurance policy if it lapses;
 - (d) immediately notify the Council in writing if an insurer gives notice of cancellation in respect of any insurance policy; and
 - (e) give full, true and particular information to the insurer of all matters and things the non-disclosure of which might in any way prejudice or affect any such policy or the payment of all or any benefits under the insurance.
- 8.8 If all or any part of the Works are damaged or destroyed prior to Handover in accordance with clause 4.1 of this Schedule 2:
 - (a) all insurance proceeds in respect of that damage or destruction must be applied to repair or reinstate the Works, except if the damage or destruction is caused by the Council;
 - (b) if the insurance proceeds received under the insurances in respect of the damage or destruction are less than the cost of repairing or replacing the Works (or those insurances are void or unenforceable and there are no proceeds), the Developer must complete the repair and replacement of the Works using its own funds; and
 - (c) if the insurance proceeds received under the insurances in respect of the damage or destruction exceed the costs of repairing or replacing the Works, the Developer will be entitled to keep that excess.
- Where the Developer has effected any insurance policy referred to in this Agreement before the date of this Agreement, the Developer:

- (a) warrants that it informed the insurer of the extent of its entitlement to an input tax credit for the last premium it paid at or before the time of first making any subsequent claim under the insurance policy; and
- (b) must inform the insurer of the extent of its entitlement to an input tax credit for any future premium it pays immediately after paying that premium.
- 8.10 Where the Developer effects any insurance policy referred to in this Agreement after the date of this Agreement, the Developer must inform the insurer of the extent of its entitlement to an input tax credit for any premium it pays immediately after paying that premium.

9. Providing documents to the Council

- 9.1 If the Council reasonably so requires, the Developer must procure the issue and delivery to the Council of copies of the following items (as may be relevant) on Handover of the Works in accordance with clause 4.1 of this Schedule 2:
 - (a) a copy of as built drawings and all warranties and operations manuals given in connection with the Works; and
 - (b) a copy of all certificates issued by any Authority in relation to any part of the Works which have not previously been delivered to the Council.
- 9.2 To the extent the Developer has or receives intellectual property rights for the Works, the Developer shall assign or transfer those rights to Council on Handover of the Works in accordance with clause 4.1 of this Schedule 2.

10. Remediation

- 10.1 In this clause 10 of Schedule 2:
 - (a) Contamination means the presence in, on or under land of a substance at a concentration above the concentration at which the substance is normally present in, on or under (respectively) land in the same locality, being a presence that presents a risk of harm to human health or any other aspect of the environment, which would, if present on land:
 - (i) result in an Authority issuing a notice, direction or order under an Environmental Law; or
 - (ii) constitute a violation of any Environmental Law.
 - (b) Contaminated means subject to Contamination.
 - (c) Environmental Law means all planning, environmental or pollution laws and any regulations, orders, directions, ordinances or requirements, permissions, permits, licences issued under those laws or instruments.
- 10.2 The Developer acknowledges to the Council:
 - (a) that it is responsible for the management and remediation of any Contamination present upon, in or under the Land;
 - (b) it will attend to any reasonably necessary remediation upon, in or under the Land at its own cost so the Land will be suitable for its proposed use; and

- (c) to the fullest extent permitted by law releases the Council from any Claim which might arise from any Contamination with respect to the land to be dedicated to Council under this Agreement.
- 10.3 Prior to the dedication of any land to Council, the Developer must ensure that the land is not Contaminated and may be used for the purposes for which is to be dedicated.

J. hu

Executed as an agreement.

| Signed for Goodman Property Services (Aust) Pty Limited by its attorney pursuant to Power of Attorney [Registered No. 75 Book No.] dated [18106] (who states that by executing this document that the attorney has received no notice of revocation of the power of attorney): | BK 4507 |
|--|---|
| Ma | L |
| Witness Signature | Attorney Signature |
| Michelle Ban | SAMANTHA EVANS |
| Print Name | Print Name |
| Signed for The Trust Company Limited by its attorney pursuant to Power of Attorney [Registered No./34 Book No.] dated [] 18/09/2014 4676 (who states that by executing this document that the attorney has received no notice of revocation of the power of attorney): | |
| Witness Signature | Attorney Signature Trent Franklin Manager Custody |
| Print Name | Print Name |
| Signed for Goodman Funds Management Australia Limited by its attorney pursuant to Power of Attorney [Registered No. Book No.] dated [] (who states that by executing this document that the attorney has received no notice of revocation of the power of attorney): | 641 BK 4513 27102107 |
| Witness Signature Michelle Ban | Attorney Signature SAMANTHA EVANS |
| Print Name | Print Name |
| | |

Signed for and on behalf of The Council of the City of Ryde ABN 81 621 292 610 in accordance with a resolution of the Council dated 21/9/k3 in the presence of:

Signature of witness

Name of witness

(BLOCK LETTERS)

Signature of authorised representative

Name of authorised representative

(BLOCK LETTERS)

Name of authorised representative

(BLOCK LETTERS)

MANALEX

MA

Annexure A- Pedestrian Link and Road Works drawings (clause 1.1)

of La

KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

CIVIL WORKS CONSTRUCTION PACKAGE



| | DRAWING SCHEDULE | |
|---------|---|--------|
| DRG No. | DRAWING TITLE | REV No |
| €1.01 | COVER SHEET, LOCALITY PLAN & BRAWING SCHEDULE | 11 |
| C1.02 | SPECIFICATION NOTES - SHEET 1 | В |
| C1.03 | SPECIFICATION NOTES - SHEET 2 | 8 |
| C4.01 | SITEWORKS & STORMWATER DRAINAGE PLAN - SHEET1 | 12 |
| C4.02 | SITEWORKS & STORMWATER DRAINAGE PLAN - SHEET2 | 3 |
| C6.01 | PAVEMENT AND JOINTING PLAN | 6 |
| C7.01 | SIGNAGE & LINE MARKING PLAN | 6 |
| E9.01 | ALIGNMENT CONTROL PLAN | 6 |
| C10.01 | ROAD LONGITUDINAL SECTION - SHEET 1 | 5 |
| C10.05 | ROAD LONGITUDINAL SECTION - SHEET 2 | 3 |
| C10.11 | PEDESTRIAN LINK LONGSECTION | 4 |
| C10.21 | DRIVEWAY LONGSECTION - SHEET 1 | 6 |
| C11.01 | ROAD 001 CROSS SECTIONS SHEET 1 | 7 |
| C11.02 | ROAD OOI CROSS SECTIONS - SHEET 2 | 6 |
| C11.04 | KHARTOUM ROAD CROSS SECTIONS | 5 |
| C12.01 | TYPICAL ROAD CROSS SECTIONS | 6 |
| C12.11 | PEDESTRIAN LINK CROSS SECTIONS | 6 |
| C13.01 | STORMWATER LONGITUDINAL SECTIONS - SHEET 1 | 9 |
| C14.01 | KERB RETURN PROFILES | 6 |
| C15 Ø1 | DETAILS - SHEET 1 | 11 |
| C 15 02 | DETAILS - SHEET 2 | 9 |
| C15.03 | DETAILS - SHEET 3 NOT APPLICABLE | 9 |
| C15.04 | DETAILS - SHEET 4 | 4 |
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CITY OF RYDE

APPROVED FOR CONSTRUCTION

LDA 2013/106

13 JAN 2017

NOT FOR CONSTRUCTION

YOU DIG -ISSUED FOR APPROVAL

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KHARTOL

| | DIVAMING TITLE |
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| UM CORPORATE | CIVIL WORKS PAG |
| MACOLIABLE PARK | |

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| CO | /EF | ₹ \$ | HEE | T. LO | OCAL | LITY | PLAN |

| OVER SHEET, LOCALITY PLAN | |
|---------------------------|--|
| & DRAWING SCHEDULE | |

ACCESS AND SAFETY

- THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AND INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL
- THE CONTRACTOR SHALL PROVIDE TRAFFIC MANAGEMENT PLANS FOR THE PROPOSED WORKS COMPLETED BY A SUITABLY QUALIFIED PERSON AND APPROVED BY COUNCIL / REQULATORY AUTHORITY WORK IS NOT TO COMPENEE ON SITE PRIOR TO APPROVAL OF TRAFFIC MANAGEMENT SCHEME
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO BUILDINGS ADJACENT THE WORKS IS NOT DISRUPT
- WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE
- THE CONTRACTOR SHALL ENSURE PUBLIC ACCESS EXTERNAL TO THE SITE IS IN ACCORDANCE WITH COUNCILS REQUIREMENTS.

SEDIMENT AND SOIL EROSION

- THE SECIMENT & EROSION CONTROL PLAN PRESENTS CONCEPTS ONLY. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT & MANAGEMENT OF A DETAILED SCHEME MEETING COUNCIL'S DESIGN OTHER REGULATORY AUTHORITY REQUIREMENTS AND MAKE GOOD PAYMENT OF ALL FEES
- THE CONTRACTOR SHALL INSTIGATE ALL SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH STATUTOR'S CONTROL MEASURES IN ACCOUNTER THE 'BLUE BOOK' (MANAGING URBAN STORMWATER SOLS AND CONSTRUCTION) PRODUCED BY THE DEPARTMENT OF HOUSING AND CONDICUS POLICIES THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
- THE SITE SUPERINTENDENT SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THE DRAWINGS AND ADHERE TO ALL REGULATORY AUTHORITY REQUIREMENTS
- THE CONTRACTOR SHALL INFORM ALL SUB CONTRACTORS OF THEIR RESPONSIBLITIES IN MIRMINISHING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS
- WHERE PRACTICAL, THE SDIL EROSION HAZ ARD ON THE SITE SHALL BE KEPT AS LOW AS POSSIBLE TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE.

 51 CONSTRUCT TEMPORARY STABLISED SITE ACCESS INCLUSIVE OF SHAKE DOWN / WASH PAD.

 52 INSTALL ALL TEMPORARY SEDIMENT FENCES AND BARRIER FENCES, WHERE FENCES ADJACENT EACH DIMER. THE SEDIMENT FENCE CAN BE INCORPORATED INTO THE BARRIER FENCE.

 53 INSTALL SEDIMENT CONTROL MEASURES AS OUTLINED ON THE APPROVED PLANS.
- UNDERTAKE SITE DEVELOPMENT WORKS SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF MINIMUM WORKABLE SIZE
- AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY
 WEATHER, LARGE UHPROTECTED AREAS WILL BE KEPT MOIST (NOT
 WE'T) BY SPRINKLING WITH WATER TO KEPP DUST UNDER CONTROL
 ENSURING CONFORMITY TO REGULATORY AUTHORITY REQUIREMENTS
- ANY SAND USED IN THE CONCRETE CURING PROCESS ISPREAD OVER THE SURFACEI SHALL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN STABILISED AND/OR ANY LIKELY SEDIMENT BEEN FILTERED OUT
- O TEMPORARY SOIL AND WATER MANAGEHENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANGS THEY ARE PROTECTING ARE STABILISED / REHABILITATED
- ALLOW FOR GRASS STABILISATION OF EXPOSED AREAS, OPEN INFLS AND ROCK BATTERS DURING ALL PHASES OF
- 12 EROSIGN AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY OPERATE EFFECTIVELY PREPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN REGULARLY AND AS REQUIRED, PARTICUL ARLY FOLLOWING RAIN EVENTS.
- RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-MEIGHT WASTE MATERIALS AND LITTER SHALL BE DISPOSED OF IN ACCORDANCE WITH REGULATORY AUTHORITY REQUIREMENTS, EDITRACTOR TO PAY ALL FEES AND PROVIDE EVIDENCE OF SAFE DISPOSAL
- 14 IF A TEMPORARY SEDIMENT BASIN IS REQUIRED, ENSURE SAFE ELA TERMUMANT SEUTEMI BASIN IS HEQUIRED, ENSURE SAFE BATTER SLOPES IN ACCORDANCE WITH THE GEOTECHMECH, REPORT MAINTAIN ADEQUATE STORAGE VOLUME IN ACCORDANCE WITH PLANS, TEMPORARY PUMP "LEANFLOCCULATED" WATER "O COUNCUS STORMWATER SYSTEM PESSURE WHOLE SITE RUN-OFF IS DIRECTED TO TEMPORARY SEDIMENT BASIN

EXISTING SERVICES

- ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES. THEREFORE THEM ACCURACY AND COMPLETENESS IS NOT GUARANTED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMPRECIENT OF ANY WORK ANY DISCREPANCES SHALL BE REPORTED TO THE SUPERIMENDENT. CLEARANCES SHALL BE REPORTED TO THE SUPERIMENDENT. AUTHORITY, NOTE SERVICE AUTHORITY REQUIREMENTS FOR LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.
- CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES NO MECHANICAL EXCAVATIONS AREA TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
- THE CONTRACTOR SHALL PROTECT AND HAINTAIN ALL EXISTING SERVICES THAT ARE TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS, ANY AND ALL DAMAGE TO THESE SERVICES AS A RESULT OF THESE WORKS STALL BE REPAIRED BY THE CONTRACTOR UNDER THE DURCETION OF THE SUPERINTENDENT AT THE CONTRACTORS EXPENSE
- THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE ADJUSTMENT (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS.
- THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE EAPPING DEF, EXCAVATION AND REMOVAL UP REQUIRED OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS UNLESS DIRECTED OTHERWISE ON THE DRAWMOS OR BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED AND MAINTAINED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THE PROGRAM FOR THE RELOCATION AND/OR EONSTRUCTION OF TEMPORARY SERVICES AND FOR ANY ASSOCIATED INTERRUPTION OF SUPPLY
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATIFSATION AND APPROVAL OF THE SUPERITEMBENT ONCE DIVERSION IS COMPLETE AND COMPISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPPRINTEMBENT

SITEWORKS

- ALL WINNS IN BE IN ALCORDANCE WITH RELEVANT LOCAL COUNT RESULATORY AUTHORITIES REQUEREMENTS, ALL SPECIFICATIONS AND AUSTRALIAN STANDARDS (ONELIC'S BETWEEN SAID DOCUMENTS, SHALL BE REFERRED TO THE SUPERINTENDENT FOR DRECTION. ALL WORKS TO BE IN ACCORDANCE WITH RELEVANT LOCAL COUNCIL.
- THE CONTRACTOR IS TO DESIGN OR LAW APPROVALS AND CARRY THE CUMPACT OF TO DESIGN, OBT AIM APPROVALS AND CARRY OUT REQUIRED TEMPORARY TRAFFIC CONTROL PROCEDURES DURING CONSTRUCTION IN ACCORDANCE WITH ALL REGULATIONS AND AUTHORITIES, INCLUSIVE OF LOCAL COUNCIL RESULATIONS AND REQUIREMENTS.
- THE EGNTRACTOR IS TO OBTAIN ALL AUTHORITY APPROVALS AS REQUIRED PRIOR TO COMMENCEMENT OF WORKS.
- RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION OR AS <u>DIRECTED BY THE SITE</u>
 <u>SUPERINTENDENT</u> ON COMPLETION OF WORKS, WARRE PLANTING OF
 NEW GRASS IS NECESSARY REFER TO LANDSCAPE ARCHITECT AND /
 DR ARCHITECT DOCUMENTATION.
- ON COMPLETION OF ANY TRENCHING WORKS, ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR OBIGINAL CONDITION OR AS DIRECTED BY THE SITE SUPERINTENDENT. WILLIAMOR KERBS, FOOTPATHS, CONCRETE, AREAS, GRAVEL, GRASSED AREAS AND ROAD
- THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR <u>PRIOR TO COMMENCEMENT OF WORKS.</u>
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING LEVELS ORISITE PRIDE TO LODGHENT OF TENDER AND ORISITE WORKS. THE PRICE AS TENDERED SHALL BE PINCLUSVE OF ALL WORKS SHOWN OH THE TENDER PROJECT DRAWINGS, ACOITIONAL PAYMENTS FOR WORKS SHOWN OH THE TENDER PROJECT DRAWINGS WILL NOT BE APPROVED.
- 8 DO NOT DRITAIN DIMENSIONS BY SCAUNG DRAWINGS
- 9 IN CASE OF DOUBT OR DISCREPANCY REFER TO SUPERINTENDENT FOR CLARIFICATION OR CONFIRMATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 10. WHERE NEW WORKS ABUT DYISTING THE CONTRACTOR SHALL WHERE NEW WORDS ADDITED THE THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EYEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED, MAKE SHOOTH TRANSITION TO EXISTING FEATURES AND MAKE GOOD WHERE JOINED.
- TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING
- ALL GVIL ENGINEERING DESIGN HAS BEEN DOCUMENTED UNDER THE ASSUMPTION THAT ALL NEEESS ARY SITE CONTAMINATION REMEDIATION WORKS HAVE BEEN SATISFACTORILY COMPLETED (IF APPLICABLE) AND THAT THE SITE IS NOT AFFECTED BY ANY SOIL STRATA OR GROUND WATER TABLE CONTAMINATION.

STORMWATER DRAINAGE

- ALL PIPES SHALL BE CLASS 3 OR ABOVE RUBBER-RING JOINTED RCP UND WHERE UPVC PIPES HAVE BEEN SPECIFIED. THE FOLLOWING CLASS PIPEWORK IS TO BE ADOPTED UND \$\phi 100mm \text{ OR ITES TO BE CLASS 'SNO'. AND ABOVE \$\phi 100mm \text{ TO BE CLASS 'SNO'.}
- UPVC STORMWATER LINES PASSING UNDER FLOOR SLABS TO BE
- FRC PIPES EQUAL TO THAT OF THE STEEL REMFORCED CONCRETE PIPE CLASS SPECIFIED ON THE DRAWINGS MAY BE USED SUBJECT TO APPROVAL FROM THE SUPERINTENDENT
- ALL PIPE ARE TO BE LAID AT 10% HIN GRADE U.N.O.
- 5 COVERS
 5.1. USE HOT DIPPED GALVANISED COVERS AND GRATES EOMPLYING
 WITH RELEVANT COUNCIL AND AUSTRALIAN STANDARDS
 5.2. ALL COVERS AND GRATES TO BE POSITION IN A FRAME AND
 MANUSEATURED AS A UNIT
 5.3. ALL EDVERS AND GRATES TO BE FITTING WITH POSITIVE COVER
 LETTING YEARS OF THE STAND GRATES TO BE FITTING WITH POSITIVE COVER
- 5.3. ALL EDVERS AND GRATES TO BE FITTING WITH POSITIVE COVER LIFTING KEYS
 5.4. OBTAIN SUPERINTENDENTS APPROVAL FOR THE USE OF CAST IRON SOLID COVERS AND GRATES CAST IRON SOLID COVERS IF APPROVED! TO CONSIST OF (ROSS-WEBBED, CELLULAR CONSTRUCTION WITH THE RBS UPPERMOST TO ALLOW INFILLING WITH CONCETTE. HIST ALL POSITIVE COVER LIFTING KEYS AND PLASTIC PLUGS.
 5.5. UNLESS DETAILED OR SPECIFIED OTHERWISE, COVERS AND GRATES TO BE CLASS '0" IN VEHICULAR PAVEHENTS AND CLASS 'B'.
- ELSEWHERE

 5.6 ALL GRATED TRENCH DRAINS SHOULD BE 'CLASS D' CAST IRON
 WITHIN VEHICULAR PAVEMENTS AND CLASS 'B' HEEL SAFE WITHIN
 PEDESTRIAN PAVEMENTS.
- ALL PIPE BENDS, JUNCTIONS, ETC ARE TO BE PROVIDED USING PURPOSE MADE FITTINGS OR STORMWATER PITS.
- ALL CONNECTIONS TO EXISTING DRAINAGE STRUCTURES SHALL BE MADE IN A TRADESHAN-LIKE MANNER AND CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
- STORMWATER PIPEWORK TO FINISH FLUSH WITH INTERNAL PIT ALLS AND MUST NOT PROTRUDE CONNECTION TO BE NEATLY RENDER AND MADE NEAT.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL FIFTINGS AND CONNECTION BETWEEN DISSIMILAR PIPEWORK
- U.N.D. MATERIAL USED FOR BEDDING OF PIPES SHALL BE APPROVED NON-COHESIVE GRANULAR NATERIAL HAVING HIGH PERMEABILITY AND HIGH STABILITY WHEN SATURATED AND FREE OF ORGANIC AND CLAY HATERIAL.
- WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL DE BEDDEO ON A HIN SOMM COMERETE BED IOR TSMM TMEK BED OF 12MM BLUE METALI UNDER THE BARREL OF THE PIPE THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK
- BEDOING SHALL BE U.N.O TYPE HSZ UHOER ROADS AND HZ UNDER GENERAL AREAS IN ACCORDANCE WITH CURRENT RELEVANI INDUSTRY STANDARDS AND GUIDELINES.
- THE LONTRACTOR SHALL ENSURE AND PROTECT THE INTEGRITY OF ALL STORMWATER PPES DURING CONSTRUCTION ANY AND ALL DAMAGE TO THESE PIPES AS A RESULT OF THESE WORKS SHALL OF REPAIRED BY THE CONTRACTOR UNDER THE ORECTION OF THE SUPERINTENDENT AND AT NO EXTRA COST.
- MOTE THAT THE PIT COVER LEVEL NOMINATED IN GUTTERS ARE TO THE INVERT OF THE GUTTER WHICH ARE 40 mm LIDWER THAN THE PAVELENT LEVEL AT LIP OF GUTTER MEFER KERB DETAILS FOR COMERMATION.

- 15 #100mm SUBSOIL DRAINAGE LINES WITH NON-WOVEN GEDTEXTILE FILTER SOCK SURROUND SHALL BE CONHECTED TO A STORMWATER DRAINAGE PIT (AT HM YE LINGSTUDINAL GRADE) AND PROVIDED IN THE FOLLOWING LOCATIONS, STATEMENT AREAS. 15.1 THE HIGH SUB OF PROPOSED TRAFFLYKED PAVEMENT AREAS. 15.2 ALL PLANTER AND TREE BEDS PROPOSED ADJACENT TO PAVEMENT.
- 15.3 BEHIND RETAINING WALLS (IN ACCORDANCE WITH RETAINING WALL
- 15.3 BEHNO RETARING WALLS UN ALLUMUARICE WITH THE ADMIND WALL
 DETAILS.

 15.4. ALL OTHER AREAS SHOWN ON DRAWINGS.

 15.5. CONTRACTOR IS TO MAKE ALLOW AND IN TENDER AND
 CONSTRUCTION COSTING TO ALLOW FOR SUBSURFACE DRAINAGE
 BEHND ALL PETIANNO WALLS / ABOUT LOCATIONS AND TO MAKE
 CONNECTION TO STORMWATER SYSTEM.
- 16 WHERE SUBSOIL DRAINAGE PASSES BENEATH BUILDINGS / PAVED AREAS AND/OR PAVEMENTS. CONTRACTOR TO ENSURE #000mm CLASS 'SNIO' upvc Orainage Line is used and that proprietary Fittings are used to reconnect subsoil drainage Line
- THE CONTRACTOR SHALL INSTALL INSPECTION OPENINGS / THE COMMAND AS SPACE HAS ALLE RESPECTION OF EMILIES CLEAR DUTS TO ALL SUBSOIL DRAINAGE LINES AND DOWNFIPE LINES AS SPECIFIED ON DRAWINGS AND IN ACCORDANCE WITH EQUICIL SPECIFICATIONS AT MAXIMUM 30m CENTRE AND AT ALL UPSTREAM
- PROVIDE 3.0m LENGTH OF \$100 SUBSOIL DRAINAGE LINE WRAPPED IN NON-WOVEN GEOTEXTILE FILTER FABRY TO THE UPSTREAM SIDE OF STORMWATER PITS, LAID IN STORMWATER PIPE TRENCHES AND CONNECTED TO DRAINAGE PIT.
- IN AREAS WHERE DUMPED / HAND PLACED ROCK IS USED AS A MEANS OF SEDUR PROTECTION, CONTRACTOR IS TO EXCAVATE A MINIMUM OF 100mm FROM PROPOSED SURFACE, LEVEL AND COMPACT SUBGRADE AS SPECIFIED ROCK TO THEN BE PLACED ON GCOTEXTILE

PRECAST STORMWATER PITS

- THE USE OF PRE-CAST STORMWATER DRAINAGE PITS IS NOT ACCEPTED WITHOUT CONFIRMATION BETWEEN NORTHROP ENGINEERS AND THE CONTRACTOR REGARDING QUALITY CONTROL AND CERTIFICATION OF FINISHES.
- REFER MANUFACTURERS SPECIFICATIONS FOR INSTALLATION
- PRECAST PIT TO BE PLACED ON MINIMUM ISONIN THICK CONCRETE PAD AND BED MINIMUM SOME WHILST CONCRETE IS STILL PARTIALLY WEY
- ENSURE PENETRATION IS CORED THROUGH PIT FACE TO ALLOW
- ENSURE A SMOOTH SEALED FINISH AT PIPE CONNECTIONS BY HAND APPLYING CONCRETE AROUND THE PIPE ON THE INTERNAL FACE OF THE PIT TO FILL IN ANY VOIDS CREATED WHEN PEMETRATION FOR THE PIPE WAS CORED.
- ENSURE A SEALED FINISH AT PIPE CONNECTIONS BY HAND-APPLYING HINHUM ISOMO THEK CONCRETE AROUND PIPE AT THE EXTERNAL FACE OF THE PIT. ENSURE CONCRETE DOES NOT AFFECT THE INTEGRITY OF THE SUBSOIL DRAINAGE CONNECTED TO THE PIT.
- ENSURE PIPEWORK DOES NOT PROTRUDE INTO THE BEYOND THE WALL PIPEWORK IS TO FIRSH FLUSH WITH INTERNAL WALL (UNLESS OTHERWISE NOTED OR DETAILED).
- ENSURE THE OUTLET PIPE IS CONNECTED AT THE INVERT LEVEL OF THE PIT TO DRAIN. ALTERNATIVELY FILL THE BASE OF THE PIT WITH HASS CONCRETE (MIN 50mm THICK) OR APPROVED GROUTING COMPOUND LIESS THAN SOME THICK) TO DRAIN
- PROVIDE CONCRETE BENCHING TO SIDES OF PIT TO SUIT PIPE DIAMETER. HEIGHT TO MATCH MINIMUM 1/3 PIPE DIAMETER

LANDSCAPING

- REFER TO DRAWINGS BY SITE IMAGE LANDSEAPE ARCHITECYS FOR DETAILS OF PROPOSED LANDSCAPING TREATMENT
- ALL DISTURBED SURFACE TO BE TEMPORARILY STABILISED WITH A HYDROMUCK UPON COMPLETION OF WORKS A 500mm STRP OF TURI CITZ COURT IS TO BE PLACED BEHIND ALL NEW KERB AND GUTTER / ROLL KERB.

SIGNAGE AND LINEMARKING

- ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS 1742 / RMS STANDARDS AND SPECIFICATIONS
- LINE MARKING AND PAINT SHALL BE IN ACCORDANCE WITH AS1742 3
- PAINT SHALL BE TYPE 3 CLASS 'A' AND THE EOLOUR SHALL BE WHITE AND NOT SUBJECT TO DISCOLOURATION BY BITUHEN FROM ROAD SURFACE, ALL PAINT TO BE APPLIED BY HECHANICAL SPRAYER.
- LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO PAINT SHALL DE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm
- 6 LARPARK LINEMARKING TO HE BOMM WIDE

PAVEMENTS

- ALL PAVEMENT MATERIALS SHALL COMPLY WITH CURRENT RMS SPECIFICATIONS PROVIDE MECHANICAL ANALYSIS FOR EACH BATCH OF PAVEMENT MATERIAL TO ENSURE CONFORMITY.
- COMPACTION STANDARDS
 BASE 98% MODIFIED MAXIMUM ORY DENSITY
 SUBBASE 98% MODIFIED MAXIMUM ORY DENSITY
 SUBGRADE 100% STANDARD HAXIMUM DRY DENSITY
- THE CONTRACTOR SHALL CONFIRM THE DESIGN (BR WITH A MINIMUM OF 3 TESTS TAKEN AT SUBGRADE LEVEL, WHERE DISCREPANCY IS FOUND, CONTACT THE DESIGN ENGINEER.
- ALLOW FOR COMPACTION TESTING BY A N.A.T.A. REGISTERED LABORATORY FOR BASE LAYER, SUBBASE LAYER AND SUBGRADE LAYER IN ACCORDANCE WITH THE LATEST VERSION OF AS3198 FOR PAVEMENTS (INNERMO) A TESTS PER LAYER) ALLOW FOR AT LEAST TWO SUCCESSFUL COMPACTION TESTS IN EACH LAYER.
- 5 HATCH NEW PAVEMENTS NEATLY AND FLUSH WITH EXISTING
- 6 AFTER BASE IS APPROVED, SWEEP CLEAN AND PRIME AT NOMINAL RATE OF 18L PER 10 sq m
- PAVEMENT HOLD POINTS

 SUB-GRADE PROOF ROLL PRIOR TO SET-UP AND FORM FOR CONCRETE POUR.
- CONCRETE POUR.
 INSPECTION OF FORMWORK / STEEL PRIOR TO EDNICRETE POUR.
 SUBMISSION OF SUB-GRADE AND BASE DENSITY TESTS.

ASPHALTIC CONCRETE

1 GENERAL
11 ALL ASPHALTIC CONCRETE (AC) WORK TO BE PREPARED AND CARRIED DUT IN ACCORDANCE WITH GOOD ASPHALTIC PAVING PRACTICE AS DESCRIBED IN AS2734-1994 "ASPHALT HOT-MIXED PAVING - GUDE TO GOOD PRACTICE" AND CURRENT RMS SPECIFICATIONS.

- 2 PAVEMENT PREPARATION
 21 THE FINSHED PAVENINT SURFACE TO BE SEALED SHALL BE WITHIN -/- 2% OF THE OPTIMUM AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REHOVAL OF ALL SUPERFICIAL FOREIGN MATTER
 2 PRIME ALL SUPFACES TO BE SEALED. ALLOW PRIME TO SETTLE FOR A MINIMUM OF 3 DAY'S BEFORE APPLYING TACK COAT AND ASSMALT

- FOR A MINIMUM OF 3 DAYS BEFORE APPLYING TACK COAT AND ASSMALT SWEEP PRIMED SURFACES BEFORE APPLYING TACK COAT. ALL DEPRESSIONS OF UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAYEMENT WITH ASSMALTIC CONCRETE BEFORE LAYING OF MAIN COURSE. ALL OFFECTS IN THE BASE COURSE INCLUDING GRACKS, SURFACE DEFORMATION AND THE LIKE SHALL BE REPAIRED AS DIRECTED BY THE SUPERINTENDENT PROR TO PLACEMENT OF TACK COAT AND/OR AC COURSES.

3 PLACEMENTS
31. ALL ASPHALT SHALL BE PLACED UTLISING APPROVED
MECHANICAL PAYING HACHINES, DO NOT HAND PLACE ASPHALT
WITHOUT PRIOR APPROVAL FROM ENGINEER.

- JOINTS
 4.1. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE
- THE NORBER OF JURA'S BOTH CONSTROURAL AND TRANS
 SHALL BE KEPT TO A MINIMUM
 THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE
 SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER. 4.2.

- 5 COMPACTION
 5 1 ALL COMPACTION SHALL BE UNDERTAKEN USING SELF
 PROPELLED ROLLERS
 5 2 INITIAL ROLLING SHALL BE COMPLETED BEFORE THE MIX
 TEMPERATURE FALLS BELOW 105°C USING A STEEL DRUM
 ROLLER HAVING A INIMUM WEIGHT OF 8 TOWNES AND A
 MAXIMUM UNIT LOAD ON THE REAR ORUM EQUIVALENT TO
- MAXIMUM UNIT LOAD ON THE BEAR ORUH EQUIVALENT TO SSEAVE MODITO FORUM. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MEX TEMPERATURE FALLS BELOW 80°C USING A PREMAPIL TYRED BOLLER OF AT LEAST 10 TOMNES MASS. A MINIMUM TYRE PRESSURE OF 550KPA AND A MINIMUM TOTAL LOAD OF 1 TONNE ON EACH TYRE.
- ROLLED SURFACES SHALL BE SMOOTH AND FREE OF UNDULATIONS BONY AND/OR UNEYEN SURFACES WILL BE
- REJECTED
 PROVIDE 2 No MINIMUM COMPACTION TESTS.

- 6 FINISHED SURFACE PROPERTIES
 6.1. FINISHED SURFACES SHALL BE SHOOTH, DENSE AND TRUE OF SHAPE AND SKALL NOT YARY MORE THAN,
 6.1.1. Some FROM THE SPECIFIED PLAN LEVEL AT ANY POINT
 6.12. Some FROM THE BOTTOM OF A STRAIGHT EDGE LAUD TRANSCURPERE!
- TRANSVERSELY.
 6.1.3. Smm FROM THE BOTTOM OF A STRAIGHT EDGE LAID
- LONGITUDINALLY
 MINUS 0 TO PLUS 2000 ADJACENT TO OTHER ELEMENTS SUCH
 AS KERBS AND THE LIKE TO AVOID POOLING OF SURFACE
- WATER.
 615. HINUS O FROM THE SPECIFIED THICKNESS. DD NOT STORE PLANT EQUIPHENT OR TRAFFIC NEWLY LAID ASPHALTIC CONCRETE PAVENENTS WITHOUT PRIOR APPROVAL FROM THE ENGINEER
- 8 DO NOT APPLY MARKING PAINTS UNTIL ASPHALT HAS CURED IN ACCORDANCE WITH PAINT MANUFACTURERS SPECIFICATIONS

BITUMEN SEALING

- PAYEMENT PREPARATION

 11 THE SURFACE TO BE SEALED SHALL BE DRY AND BROOMED
 BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE
 REMOVAL OF ALL SUPERRIAL, FOREIGN OR LOOSE MATTER

 12 FAPPONDE BY THE HANAGING CONTRACTOR, ALL DEPRESSIONS
 OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT TO
 GENERAL LEVEL OF PAYEMENT WITH ASPHALT CONCRETE BEFORE
 SEALING COMMENCES.

- 2 MATERIALS
 2.1 BINDER SHALL BE CLASS 170 TO AS 2008 OR APPROVED PROPRIETARY MATERIAL FOR PRIMING AND PRIME SEALING.
 2.2 AGGREGATE SHAPE, OURABILITY AND WET TO DRY STRENG IH SHALL COMPLY TO AS7758 FOR CLASS N° AGGREGATES. A 20Ag SAMPLE TO BE APPROVED BY THE MANAGING CONTRACTOR PRIOF
- SAMPLE TO BE APPHOVED BY THE MANAGING LONTRACTOR PRIOR TO USE.

 AGGREGATES SHALL BE DELIVERED UNIFORMLY PRECOATED,

 EXCESSIVE PRECOATING WILL RESULT IN AGGREGATES BEING

 RESELTED.

 FOR TWO COAT FLUSH SEALS, THE SIZE OF THE AGGREGATE FOR

 THE SECOND EOAT, WHILE NORMALLY HALF THAT OF THE FIRST

 LOAT, SHALL BE DIMENSIONALLY COMPATIBLE WITH THAT OF THE

 FIRST COAT

 PRECOATING AGENTS SHALL BE COMPATIBLE WITH THE

 AGGREGATES AND BINDER TO BE USED.

- DESIGN
 TO DESIGN OF SPRAYED BITUMINOUS SEALS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE AUSTROADS (MAASRA) PUBLICATION TPRINCIPLES AND PRACTICE OF BITUMINOUS SURFACING, YOU ME 1
- *PERKIEPLES AND PRACTICE OF BITUMINOUS SURFACING, YOUUTE,
 SPRAYED WORK

 WHERE NOT INDICATED ON THE DRAWINGS, PRIMES AND PRIME
 SEALS SHALL BE DESIGNED TO REMAIN INTACT UNTIL FINAL
 SEALING TAKES PLACE, NAVING REGARD FOR THE TRAFFIC AND
 CLIMATIC CONDITIONS

 UNLESS OTHERWISE SPECIFIED, BINDER APPLICATION PRATES

 UNLESS OTHERWISE SPECIFIED, BINDER APPLICATION PRATES
- SHALL BE SELECTED TO FILL 85% OF THE THEORETICAL VOIOS OF

- 4 BITUMEN FLUSH SEALING
 4.1 BITUMEN FLUSH SEALS SHALL BE EITHER SINGLE OR DOUBLE
 COAT AS SHOWN ON THE ORAWINGS. IN 14/7 INDICATES A
 DOUBLE COAT FLUSH SEAL USING TWO APPLICATIONS OF
 BITUMEN AND AGGREGATE. THE FERST AGGREGATE LAYER BEING
 OF 14mm NOHHALS SIZE, THE SECOND 7mm.
 4.2 COVER AGGREGATE SHALL BE SPREAD IMMEDIATELY AFTER
 SPRAYING OF BROBER IN NO CASE SHALL SPREADING BE DELAYED
 MORE THAN B MINUTES.

- RECEIPTS SHALL BE RETAINED AND PASSED ON TO THE CONSULTING ENGINEER AS PART OF QUALITY ASSURANCE.
- PROCEDURES.
 GENERALLY FLUSH SEALING SHALL BE CARRIED DUT COMPLETE
 AND IN ACCORDANCE WITH THE RELEVANT RMS STANDARD.

CONCRETE SEALING

- THE CURING PROCESS FOR NEW CONCRETE IS TO INCORPORATE THE FOLLOWING ASPECTS, GENERALLY AS GROERED:

 1. SPRAY EURING COMPOUND.

 1.2 SAWCUT JOINTS AS LOCATED AND SPECIFIED AS SOON AS CURING PERMITS.
- PERMITS

 COVER NEW PAVING WITH MESSIAN AND BLACK PLASTIC SHEETS
 TAPED AT JOINTS ON COMPLETION OF SAWEUTTING HOTE
 COVERING IS TO EXTENT MIN 5-M BEYOND PAVEMENT BEING CURED.

 DVER AD JOINING (EXISTING) PAVEMENT AREAS, MAINT AM CURING 13.

CITY OF RYDE APPROVED FOR CONSTRUCTION Signed _ Maye

Subject to the Conditions of Development Consent

Date____23/1/2011

104 2013/106

NOT FOR CONSTRUCTION

CIVIL WORKS PACKAGE

SPECIFICATION NOTES - SHEET 1

151073 RAWING NUMBER

C1.02 DRAWING SHEET SIZE = A

8

YOU DIG

DESCRIPTION ISSUED FOR APPROVAL AM AD RE-ISSUED FOR APPROVAL MC 07.07.16 AM AD MC 14-07.16 AM AD MC 16-08.16 SSUED FOR CONSTRUCTION RE-ISSUED FOR APPROVAL PELISSIED FOR A PEROVAL 17 10 16 UH MR AD 02.12.16 8 RE-ISSUED FOR APPROVA

MC 23 03 16 RICHARD CROOKES CONSTRUCTIONS



NAME OF STREET OF STREET

NORTHROP Sydney

Level 11 345 George Streel, Sydney NSW 2000
Ph (02) 9241 418B Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

CONCRETE PAVEMENTS

- THIS SECTION REFERS TO CIVIL CONCRETE WORKS AND DOES NOT INCLUDE STRUCTURAL FLEMENTS SUCH AS BUILDINGS. BELOW GROUND STRUCTURES OR RETAINING WALLS
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS360D CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS
- COMCRETE DUALITY AND REINFORCING COVER ALL REDURENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT I SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE

| ELEMENT | CDNCRETE STRENGTH f'c (MPa) SLUI | | NOMINAL AGGREGATE SIZE | MAX. 56 DAY DRYING SHRINKAGE | CO VER (mm) |
|------------------------------------|--|----|------------------------------|------------------------------------|----------------|
| KERBS AND PATHS | 25 | 60 | 20 | 650microns | 10P 40 |
| PITS AND VEHICULAR PAVEMENTS | 32 | 80 | 20 | 650mcrons | 10P 40 |

- CONCRETE PROPERTIES SHALL BE VARIED FROM NORMAL CLASS AS
- LOWS MINIMUM CEMENT FONTENT 250 kg/m² MINIMUM CEMENT FONTENT 250 kg/m² MAXIMUM 55 DAY SHRINKAGE STRAIN : A SINDMINATED ABOVE PRIGO TO COMMENCEMENT COMMETE SUPPLIER TO PROVIDE DRYING SHRINKAGE TEST RESULTS FROM PRODUCTION ASSESSMENT AS EVIDENCE THAT SPECIFED DRYING SHRINKAGE LIMITS CAN BE ACKERVED USING MINIMUM DESIGN.
- ALL REINFORCEMENT SMALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS. PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN IM CENTRES BOTH WAYS BARS SHALL BE TIED AT
- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL.
- PROJECT CONTROL YESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1919 YEST CYLINDERS ARE TO BE HEPT ON SITE
- ALL COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE CIVIL ENGINEER FOR REVIEW.
- ALL CONCRETE IS TO BE CONTINUOUSLY CUREO FOR A MINIMUM PERIOD OF 10 DAYS AFTER PLACING. CURING TO COMMENCE IMMEDIATELY AFTER FINISHING. SPRAY ON CURING COMPOUNDS TO COMPLY WITH AS3T99.
- FLAKE CUMERCIE CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS SNOWN ON PLAN OD NOT BREAK OR INTERRUPT SUCCESSIVE POURS SUCH 7HAT COLD JOINTS OCCUR. ANY REVISIONS OR ADDITIONS TO CONSTRUCTION JOINTS SHOWN ON PLAN REQUIRE APPROVAL FROM THE CIVIL ENGINEER.
- 11. FALLS IN SLAB AS SHOWN ON PLAN MAINTAIN MINIMUM SLAB THICKNESS AS SHOWN
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY THE DESIGN ENGINEER.
- THE FINISHED CONCRETE SHALL BE A DENSE HONOGENOUS MASS, COMOLETELY BY JING THE FORMWOOK, "MORCHIGHLY EMBEDDING." COMPLETELY FILLING THE FORMWORK, THOROUGH REINFORCEMENT AND FREE OF STONE POCKETS.
- 14 FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING



FOLLOWING THE FABRIC SYMBOL SLIS THE REFERENCE NUMBER FOR

- 15 POLYETHYLENE SHEET SHALL BE PLACED BELOW ALL CONCRETE
- IA. ALL PENETO ATIONS TO HAVE 2/NT2 TRIMMER BARS TOP AND BOTTON TO EACH FACE UND EXTEND TRIMMERS 700 BEYOND PENETRATION MAINTAIN 40min COVER TOP AND BOTTOH
- 17 FORMWORK OLASS SHALL BE IN ACCORDANCE WITH ASSESS.

IR SURFACE FINISHES ELEMENT STORMWATER PIT PAVEMENTS

FORHWORK CLASS MACHINE FLOAT / BROOM FINISH STEEL FLOAT / TROWEL

19 REINEORCEMENT SYMBOLS:

- DENOTES GRADE 450 N BARS TO AS1302 GRADE N DENOTES 230 R HOT ROLL ED PLAIN BARS TO AS1302 DEHOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS1304

- NOMINAL BAR SIZE IN mm NUMBER OF BARS IN GROUP -- SPACING IN mm THE FIGURE BAR GRADE AND TYPE -

PAVEMENT JOINTS

- PROVIDE 10mm ABLEFLEX BETWEEN NEW CONCRETE WORKS AND
- LOCAL AUTHORITY REQUIREMENTS SHALL TAKE PRECEDENCE WITHIN THE PUBLIC ROAD RESERVE
- DOWELS TO BE PLACED ON PROPRIETARY CRADLES TO ENSURE CORRECT SPACING AND ALIGNMENT.
- PEDESTRIAN PAVEMENTS
 ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS U.N.O. ON THE DESIGN DRAWINGS.
- EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
- WEAKENED PLANE JOINTS (SAWN OR TODL JOINTS) ARE TO BE LOCATED AT A MAX. SPACING OF 15m x WIGTH OF THE PAVEMENT.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
- TYPICAL PEDESTRIAN PAYEMENT JOINT DETAIL



- VEHICULAR PAVEMENTS
 ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS U.N.O. ON
- 10 TIED KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED
- SAWN JOINTS SHOULD GENERALLY BE LOCATED LATERALLY AT A MAX, OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX.
- 12 TYPICAL VEHICULAR PAVEMENT JOINT DETAIL



- 13. KERB EXPANSION JOINTS SHALL BE FORMED FROM 10mm ABLEFLEX
- RCKB TAMASION JOWYS SANL BE COMPLETED FUT TOWN ADLETED FOR FULL DEPTH OF SECTION KERB TAMASION JOHNTS TO BE LOCATED AT DRAINAGE PITS, TANG IT POINTS OF CURVES / CORNERS AND AT TEM MAX CENTRES. KERB TOOLED JONTS TO BE HIM 3mm WIDE AND LOCATED AT MAX 3m
- 16 INTEGRAL KERB JOHA'S SHALL MATCH THE LOCATION OF PAVENENT

CONCRETE

- CARRY DUT ALL CONCRETE WORK IN ACCORDANCE WITH AS3600 AND NATSPEC CONCRETE STANDARDS.
- CONCRETE PROPERTIES AND COVER TO REINFORCING

| ELEMENT | CONCRETE STRENGTH f'c IMPal | MAX 56 DAY DRYING SHRINKAGE | (OVER (mm) | | |
|-----------------|-----------------------------------|-----------------------------------|------------|--------|--|
| SLABS ON GROUND | 37 | 650microns | TOP 40 | B7M 40 | |
| TANK LID | 40 | 700microns | TOP 40 | BTM 40 | |

MAXHUM AGGREGATE SIZE = ZÖNNM U.N.O.
SLUMP DURING PLACING = 75mm
EXPOSURE CLASSIFICATION = B
NO ADMIXTURES SHALL, BE USED IN CONCRETE MIX UNLESS
APPROVED BY STRUCTURAL ENGINEER IN WRITING.

- CONCRETE PROPERTIES FOR SLABS AND BEAMS SHALL BE VARIED FROM NORMAL CLASS AS FOLLOW'S

 MINHUM CERENT CONTERT 2501g/cu.m

 PRIOR TO COMMENCEMENT CONCRETE SUPPLIER TO PROVIDE DRYING SHRINKAGE TEST
 RESULTS FROM PRODUCTION ASSESSMENT AS EVIDENCE THAT SPECIFIED DRYING SHRINKAGE LIMITS CAN BE ACHIEVED USING HORMAL MIX DE SIGN
- SUBMIT FOR APPROVAL THE FOLLOWING TO THE STRUCTURAL ENGINEER:

 CURING PROCEDURE IPVA MEMBRANES NOT PERMITTED!
 - DETAILS AND LOCATION OF CAST IN SERVICES
 CONDUITS, PENETRATIONS AND CONSTRUCTION JOINT
- ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNISED TESTING LAB AND SUBMITTED FOR REVIEW BY THE STRUCTURAL
- ALL COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
- PROJECT CONTROL TESTING SHALL BE CARRIED DUT ON ALL CONCRETE IN ACCORDANCE WITH AS1379, TEST CYLINDERS ARE TO BE KEPT ON SITE
- ALL CONCRETE IS TO BE CONTINUOUSLY CURED FOR A MINIMUM PERIOD OF 10 DAYS AFTER PLACING CURING TO COMMENCE INHEDIATELY AFTER FINISHING. SPRAY ON CURING COMPOUNDS TO COMPLY WITH ASSTRO
- FOR TENDER PURPOSES ASSUME MINIMUM STRIPPING TIMES AND EXTENT OF BACK PROPPING AS PER AS3610-1995 SECTION 5.0 AND AS PER GENERAL NOTES FOR FORMWORK AND PROPPING.
- FORMWORK FINISH CLASSIFICATION TO AS3600
- FLEMENT
 INGROUND FOOTINGS
 RETAINING WALLS
 RETAINING WALLS
 COLUMNS
 BEAMS AND SLABS 5 EARTH FACE 3 EXPOSED FACE
- 11. SURFACE FINISHES:

 COLUMNS AND WALLS DEF FORM
- 12. COMPACT ALL CONCRETE INCLUDING FOOTINGS AND SLABS, USING MECHANICAL VIBRATORS
- 3 PLACE CONCRETE CONTINUOUSLY RETWEEN CONSTRUCTION JOINTS PLACE CONCRETE CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS
 SUCH THAT COLD JOINTS OCCUR ANY REVISIONS OR ADDITIONS TO
 CONSTRUCTION JOINTS SHOWN ON PLAN REQUIRE APPROVAL FROM THE STRUCTURAL ENGINEER.
- 14. CONCRETE PROFILES:

 BEAM OFFTHS ARE WRITTEN FIRST AND INCLUDE THE SCAB THICKNESS.
 SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF
 - APPLIED FINISHES. NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN SHOWN IN THE STRUCTURAL DRAWINGS SMALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER PROVIDE DRIP GROOVES AT ALL EXPOSED EDGES, CHAMFERS, DRIP GROOVES, REGLETS ETC TO BE TO ARCHITECTS DETAILS
- 15 ALL PENETRATIONS TO HAVE 2-NIG TRIMMER BARS TOP AND BOTTOM TO EACH FACE UN 0. EXTEND TRIMMERS 600 BEYOND PENETRATION
- 5 SETDOWNS OR FALLS IN FLODR SURFACES ARE NOT PERMITTED UNLESS SHOWN ON DRAWINGS MAINTAIN MINIMUM SLAB THICKNESS SHOWN ON PLAN WHERE FALLS OCCUR.

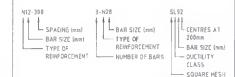
CONCRETE (cont)

17 REINFORCEMENT GRADE AND NOTATION

| SYM80L | BAR SHAPE | STRENGTH GRADE (MPa) | OUCTILITY (LASS | TO COMPLY WITH AUST STANDARD |
|--------|---|----------------------------|--------------------|------------------------------------|
| N | DEFORMED RIB BAR | 500 | NDRMAL | AS4671 |
| R | PLAIN ROUND BAR | 250 | NORMAL | A\$4671 |
| RL | RECTANGULAR MESH OF DEFORMED RIB BAR | 500 | TOM | A54671 |
| SL | SQUARE MESH OF DEFORMED RIB BAR | 500 | LOW | A\$4671 |
| L-TM | TRENCH MESH | 500 | LOW | AS4671 |

ALL REINFORCING BARS SHALL BE GRADE DSOON TO A\$4671 AND ALL MESH SHALL BE GRADE 500L TO A\$4671 UNIO CLASS L REINFORCEMENT SHALL NOT BE USED U.N.O.

REINEARCEMENT LABELS



- 19 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, AND NOT RECESSARILY IN TRUE PROJECTION BARS SHOWN ARE IMDICATIVE ONLY AND LENGTHS MAY YARY, BE AM ELEVATIONS TAKE PRECEDENCE OVER SECTIONS, SLAB PLANS TAKE PRECEDENCE OVER SECTIONS, SLAB PLANS TAKE PRECEDENCE OVER SECTIONS. FOR EXTRA BARS THAT MAY BE
- 19. USE ONLY ALL PLASTIC OR CONCRETE CHAIRS AT EXTERNAL
- 20. SITE BENDING OF REINFORCEMENT BARS SHALL BE DONG WITHOUT HEATING USING A RE-BENDING TOOL. THE BARS SHALL BE RE-BENT AGAINST A FLAT SUBFACE OR A PIW WITH A DIAMETER NOT LESS THAN THE MINIMUM PIW SIZE PRESCRIBED IN AS3600-2001.
- 21 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS
 SHOWN ON THE STRUCTURAL DRAWINGS OR IN POSITIONS
 DIVERNISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER
 LAPS SHALL BE IN ACCORDANCE WITH AS 3600 SECTION 13 AND NOT
 LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.
- 22. FOR LAPS IN MESH REFER TO SLAB ON GROUND NOTES
- 23. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL ORAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER
- 24 AT EXTERNALLY EXPOSED SURFACES NO METALLICITEMS INCLUDING FORM BOLTS, FORM SPACERS, METALLIC BAR CHAIRS AND TIE WIRE ARE TO BE PLACED IN THE COVER ZONE
- 25 ALL REINFORCEMENT, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION AND INSPECTED BY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
- 26. HOLD DOWN BOLTS SHALL BE HOT DIPPED GAL VANISED
- 27 U.N.O, ALL MASONRY ANCHORS INTO CONCRETE SHALL BE RAMSET TRUBULTS (LONGEST VERSION) DR APPROVED EQUIVALENT BULTS SHALL BE GALVANISCO WHÉRE THEY ARE ADJOINING NOW REPROUS OR PREPAINTED MEMBERS PROVIDE STAINLESS STEEL BULTS FOR ALL EXTERNAL CONDITIONS, OR WHERE EXPOSED TO THE WEATHER

ENGINEERING CERTIFICATION

- TO CERTIFY THE CONSTRUCTED CIVIL WORKS, A QUALIFIED EXPERENCED ENGINEER IS TO VISIT THE SITE TO OBSERVE CONSTRUCTION TECHNIQUES AND VARIOUS ELEMENTS THAT MAY BE CONCEALED WHEN THE WORKS ARE COMPLETE.
- THIS SPECIFICATION ALLOWS FOR CERTIFICATION OF WORKS CONTROLLED BY A PRIVATE CERTIFIER FOR LAND DEVELOPMENT WORKS THIS SPECIFICATION DOES NOT COURT CRITIFICATION REQUIREMENTS FOR AUTHORITIES SUCH SC COUNCIL, RAYS OR OFFICE OF WATER IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND PROVIDE ALL PROJECT SPECIFIC CONSTRUCTION COMPLIANCE (WORKS AS EXECUTED) INFORMATION TO THE SATISFACTION OF THE STAKEHOLDER / AUTHORITY. DISCREPANCIES BETWEEN THIS SPECIFICATION AND SPECIFICATIONS OF OTHER EXTERNAL STAKEHOLDERS / AUTHORITYS IS TO BE REPORTED TO THE SUPERINTENDENT FOR CLARIFICATION
- THE CONTRACTOR IS TO AGREE WITH THE ENGINEER AN APPROPRIATE SITE VISIT SCHEDULE AND FEE ARRANGEMENT PRIOR TO COMMENCEMENT OF THE WORKS. THE CONTRACTOR SHALL FISSURE THAT THE ENGINEER CAN SAFELY ACCESS ALL CIVIL ELEMENTS TO BE REVEWED. SITE VISITS ARE CONDUCTED DURING NORMAL BUSINESS HOURS. WE REQUIRE TWO 12) WORKING DAY NOTICE FOR ANY SITE VISIT
- TO PROVIDE CERTIFICATION THE ENGINEER MUST VISIT THE SITE TO
- 4.1. 4.11. 4.12. 4.13.
- PAYEMENTS

 PAYEMENTS

 POOR SUBGRADE CONDITIONS

 PROOF ROLLING OF SUB-GRADE

 PLACEMENT OF SUB-BASE COURSE, BASE COURSE AND
 WEARING COURSE.

 PLACEMENT OF STEEL REINFORCEMENT, DOWELS AND
 JOINT CRADLES PRIOR TO POURING OF CONCRETE 4.14.

- 4.2. 4.2.1. 4.2.2. 4.2.3. EARTHWORKS
 TOPSOIL STRIP
 EARTHWORKS BATTER
 FILLING

- STORMWATER DRAINAGE
 1. DRAINAGE TRENCHES PRIOR TO BACKFILLING
 2. LEGAL POINT OF CONNECTION PRIOR TO BACKFILLING
 3. ANY OTHER DRAINAGE STRUCTURE THAT HAY BE
 CONCEALED OURING THE COURSE OF THE WORKS

CONCRETE STRUCTURES

- PLACEMENT OF ANY STEEL REINFORCEMENT PRIOR TO CONSTRUCTION
- THE CONTRACTOR SHALL PROVIDE SURVEYED LEVELS, PREPARED BY A QUALIFIED SURVEYOR FOR SUBGRADE, SUB-BASE COURSE, BASE COURSE AND WEARING COURSE
- THE CONTRACTOR SHALL PROVIDE WORKS AS EXECUTED (WAE) DOCUMENT A TIDN PREPARED BY A QUALIHED PRACTISMS SURVEYOR. THE WAE ORAWINGS SHALL CLEARLY SHOW, STORMWATER GRATE? COVER LEVELS, STORMWATER PT INVERTILEVELS AND CORRESPONDING INVERT LEVELS OF ANY INCOMING OR DUTGOING PIPES, DIMENSIONS AND VOLUME OF ON-SITE DETENTION FACILITIES, INVERTILEVELS OF ORMETE PLATES, OVERFLOW WEIRS, BASE OF TANK FINISHOULD LEVELS OF PAVEMENTS. THE WAE SHALL SHOW WHERE THE SIZE OR ALIGNMENT OF LIVIL ENGINEERING CLEMENTS WHEN THEY DEVIATE FROM THE DESIGN DOCUMENT ATION.
- THE WAE DRAMINGS SHALL BE STAMPED WITH THE FOLLOWING STATEMENT "THESE WAE DRAWINGS HAVE BEEN PREPARED BY (COMPANY NAME) AND ARE A TRUE AND ACCURATE REPRESENTATION OF THE CONSTRUCTED WORKS" EACH DRAWING SHALL BE SIGNED AND DATED BY THE SURVEYOR WHO PREPARED THE DRAWING

THESE WAE DRAWINGS HAVE BEEN PREPARED BY ICOMPANY NAME) AND ARE A TRUE AND ACCURATE REPRESENTATION OF THE CONSTRUCTED WORKS

| SIGNED | DATE | |
|--------|------|--|
| Market | | |

POSITION

- 8 WAE SHALL BE PROVIDED IN BOTH AUTOCAD AND POF FORMAT NORTHOP CONSULTING ENGINEERS WILL PROVIDE ENGINEERING PLANS TO THE CONTRACTOR IN AUTOCAD FORMAT TO AID PREPARATION DE WAE DOCUMENT ATION
- CONTRACTOR IS TO UNDERTAKE A CCTY INSPECTION OF ALL STORMWATER DRAINAGE PIPELINES AND PROVIDE TO THE ENGINEER FOR APPROVAL
- THE CONTRACTOR SHALL PROVIDE ALL RELEVANT TEST CERTIFICATES PROGRESSIVELY THROUGHOUT THE DURATION OF THE WORKS ALL TEST CERTIFICATES SHALL BE PREPARED BY A NATA REGISTERED LABORATORY TEST CERTIFICATES ARE REGLURCO FOR PROOF ROLLING, SUBGRADE COMPACTION, COMPACTION OF PAVENENT LAYERS, COMPACTION OF FILLING POPERATIONS, CONCRETE SLUMP TEST, AND CONCRETE STRENGTH TESTS. THE CONTRACT SHALL PROVIDE ALL RELEVANT VALIDATIONS BY A GEOTECHNICAL ENGINEER FOR ALL IMPORTED FILL
- EACH TEST CERTIFICATE WILL NOMINATE THE DATE AND TIME OF THE TEST AND PROVIDE A LOCATION OF WHERE THE TEST SAMPLE WAS
- THE CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO CONDUCT A FINAL WIST TO REVIEW OF THE CONSTRUCTED WORKS THIS WILL REVIEW WILL NOT TAKE PLACE UNTIL THE WAE DOCUMENT ATION AND RELEVANT TEST CERTIFICATES HAVE BEEN RECEIVED.
- IF DEFECTIVE OR INCOMPLETE WORK IS FOUND DURING THE FINAL INSPECTION MAYOTHER INSPECTION MAY BE REQUIRED AT THE CONTRACTORS EXPENSE TO VERIFY THE RECTIFICATION WORKS HAVE BEEN COMPLETED.

3D INFORMATION DISCLAIMER

PLEASE BE ADVISED 120 DESIGN FILE, IF SUPPLIED, IS DEEMED 10 BE AN ACCURATE REFLECTION OF NORTHROP'S DESIGN AT THE TIME OF FINAL DESIGN DEVELOPMENT AND MAY NOT FULLY REFLECT HE DESIGN SURFACE AS PRESENTED. HOWEVER THIS INFORMATION SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INCORPORATION IN THE CONSTRUCTION WORKS.

YOU ARE FURTHER ADVISED THAT ISSUED HARDCOPY/PDF PLANS AND DOCUMENTS TAKE PRECEDENCE OVER THE SUPPLIED ELECTRONIC INFORMATION AND ANY INCONSTANCES SHOULD IMMEDIATELY BE REPORTED TO NORTHERP CONSULTING EMBERS FOR VERIFICATION PRIOR TO THEIR INCORPORATION IN THE WORKS.

NORTHROP CONSULTING ENGINEERS TAKES NO RESPONSIBILITY FOR USF

ACKNOWLEDGMENT AND ACCEPTANCE OF THE ABOVE STATEMENTS BY THE RECIPIENT

APPROVED FOR CONSTRUCTION Signed __ Margae Date 23/1/2017 Subject to the Conditions of Development Consent

CITY OF RYDE

NOT FOR CONSTRUCTION

CIVIL WORKS PACKAGE

151073 AWING NUMBER

LOA 2013/106

C1.03 8

DRAWING SHEET SIZE + A



| REVISION | DESCRIPTION | ISSUED | VER'D | APP'D | STAD |
|----------|--------------------------|--------|-------|-------|----------|
| 3 | ISSUED FOR APPROVAL | AH | AD | MC | 23.03.16 |
| i, | RE-ISSUED FOR APPROVAL | MA | AD | MC | 07.07.16 |
| 5 | IS SUED FOR CONSTRUCTION | НА | AD | HC | 14.07.16 |
| 6 | RE-ISSUED FOR APPROVAL | AH | AD | MC | 16.88.16 |
| 7 | RE-ISSUED FOR APPROVAL | UM | AO. | HC | 17 19 16 |
| 8 | RE-ISSUED FOR APPROVAL | UM | MR | AD | 92.12.16 |





DIMENSIONS TO BE VERIFIED ON SITE REPORT HENCING WORK FINOP ACCEPTS NO RESPONSIBILITY FOR THE BILITY, COMPLETENESS OR SCALE OF DRAWINGS

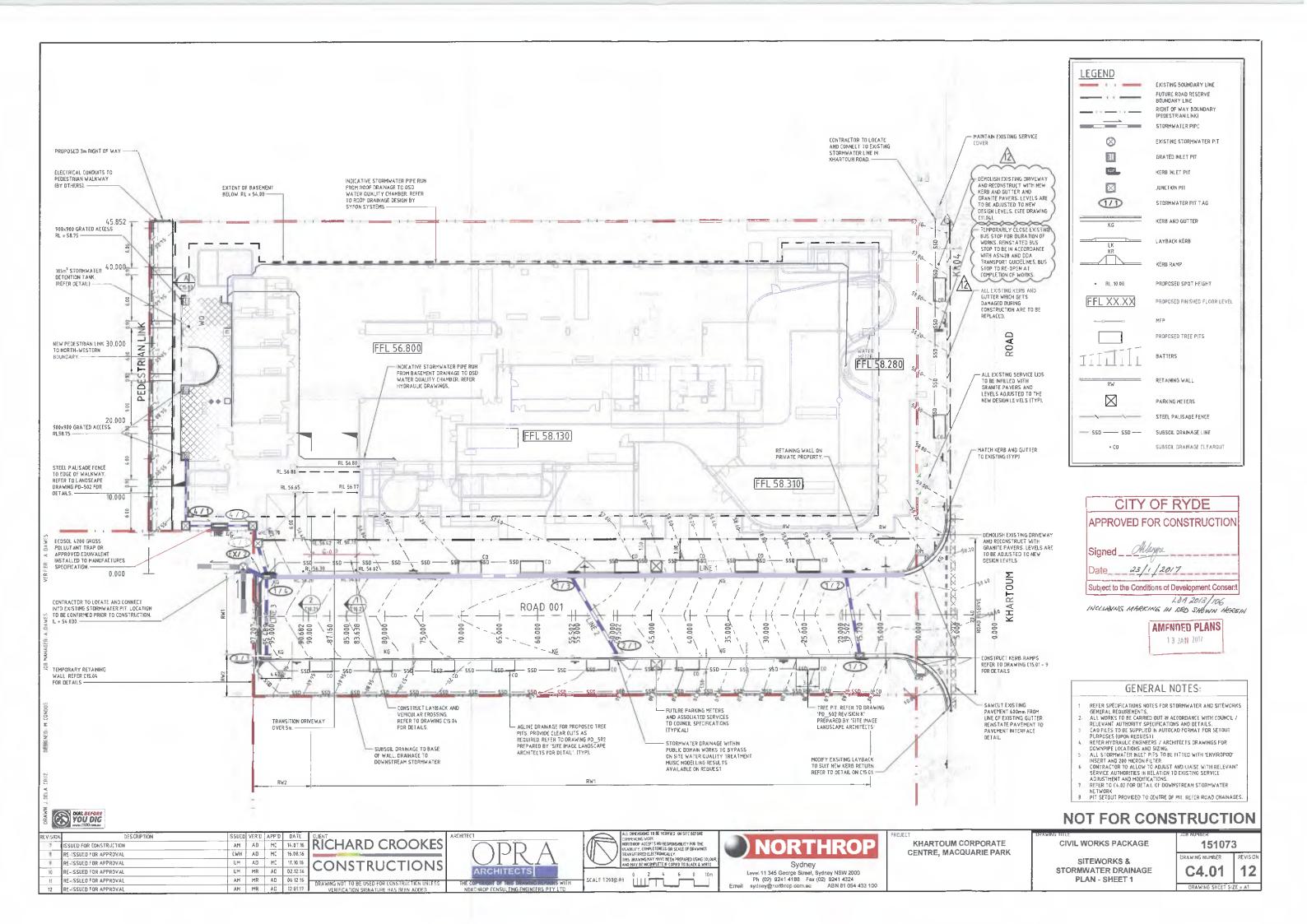
NORTHROP Sydney

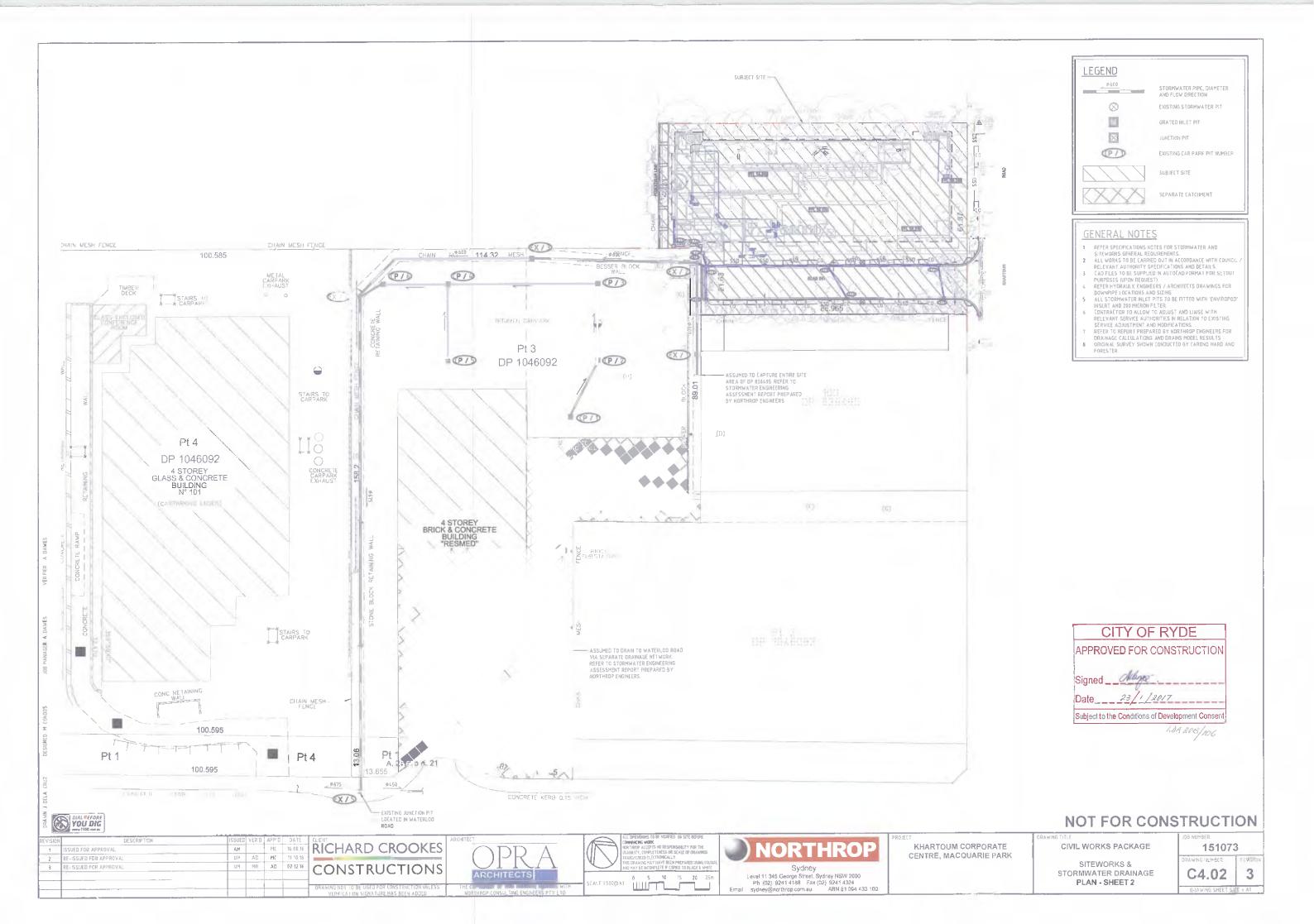
Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydnoy@northrop.com au ABN 81 094 4 ABN 81 094 433 100

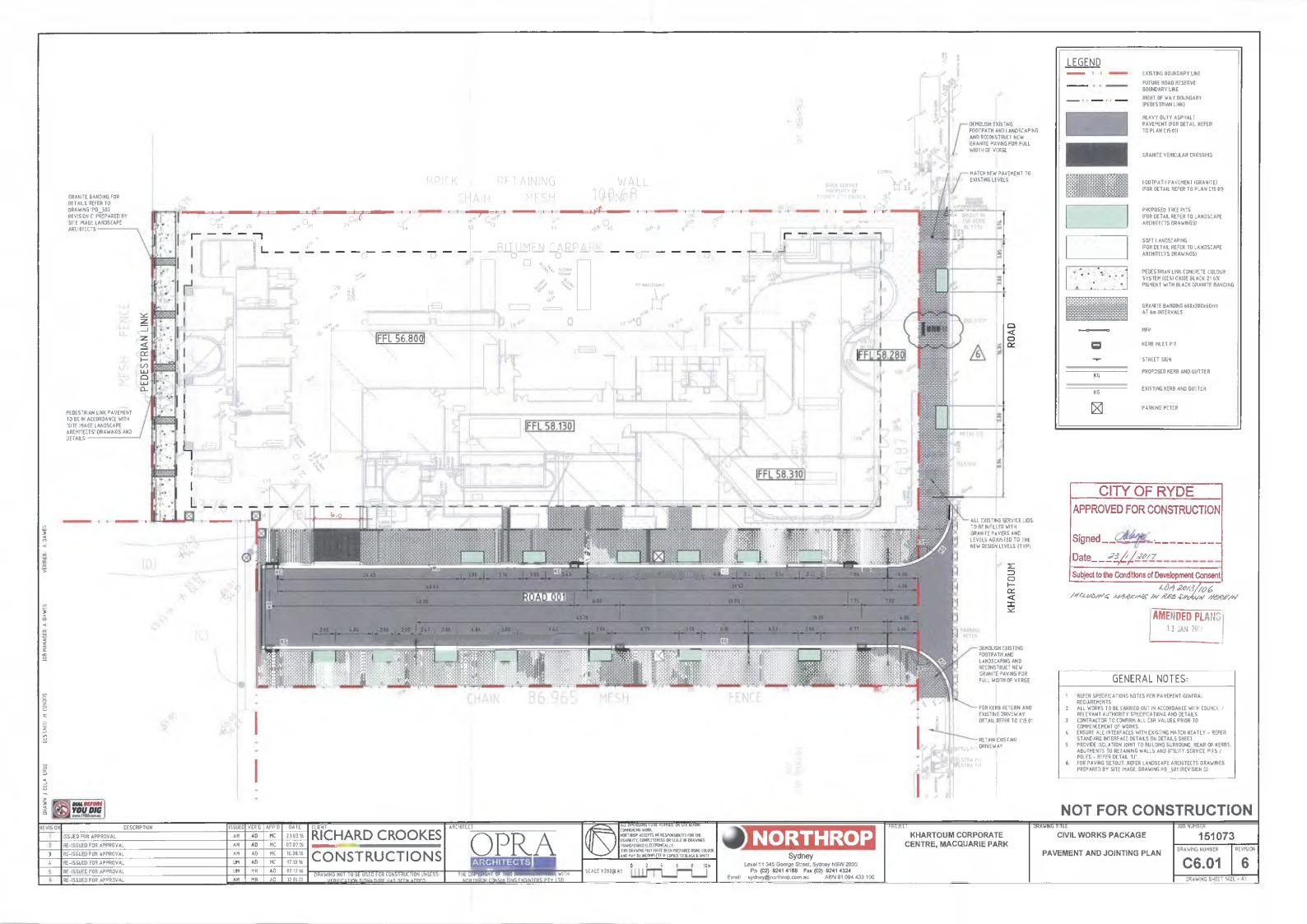
CENTRE, MACQUARIE PARK

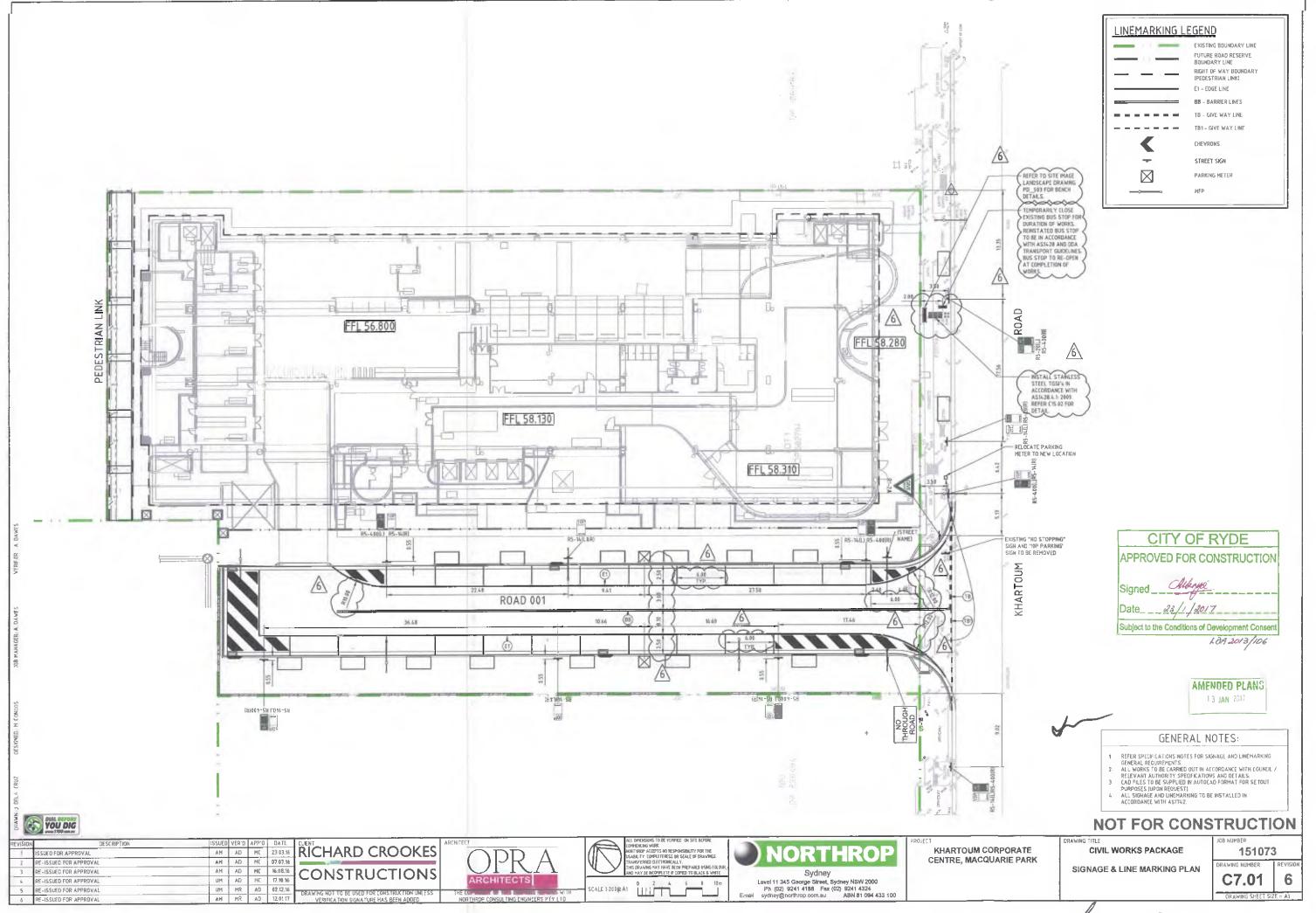
KHARTOUM CORPORATE

SPECIFICATION NOTES - SHEET 2

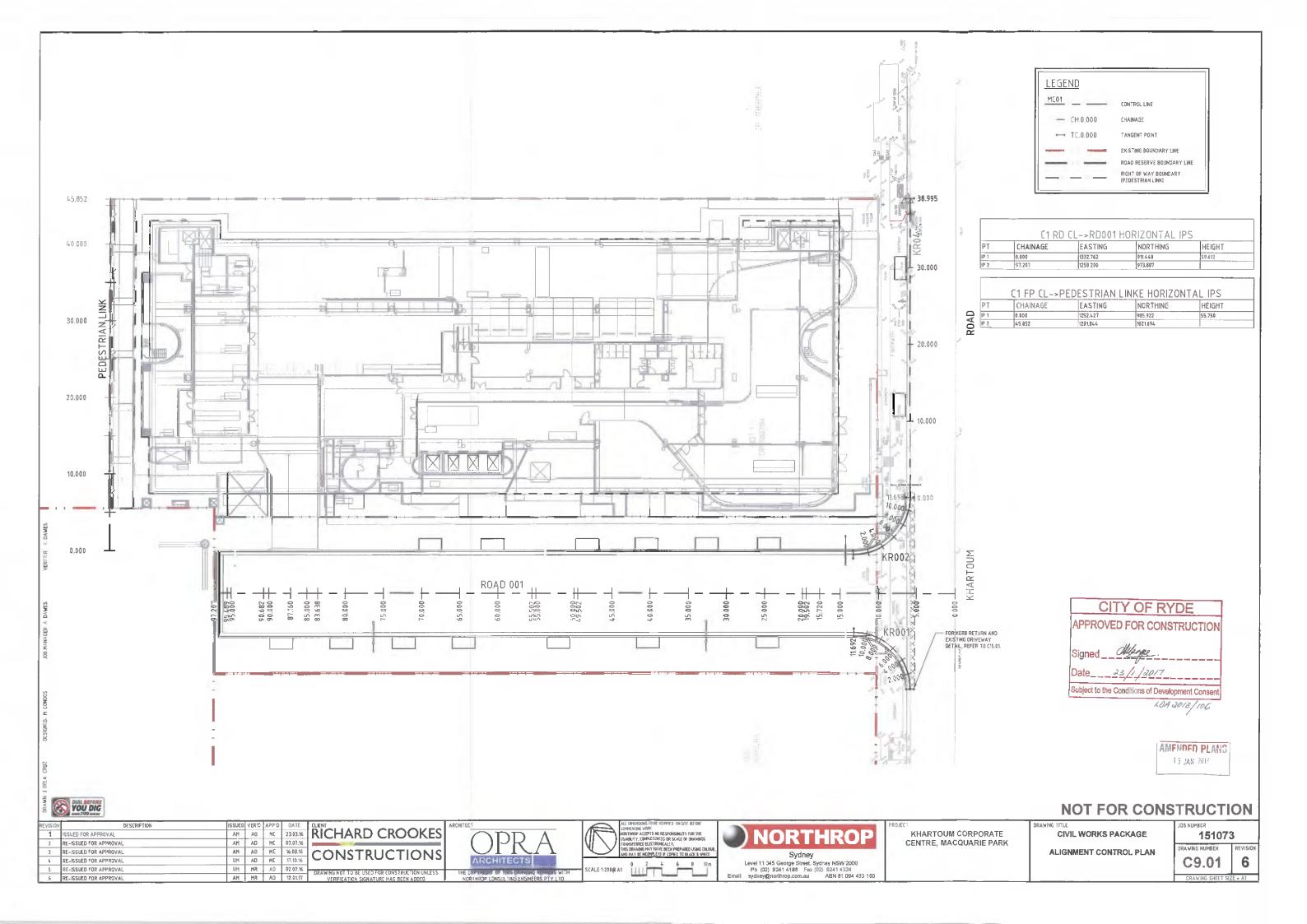


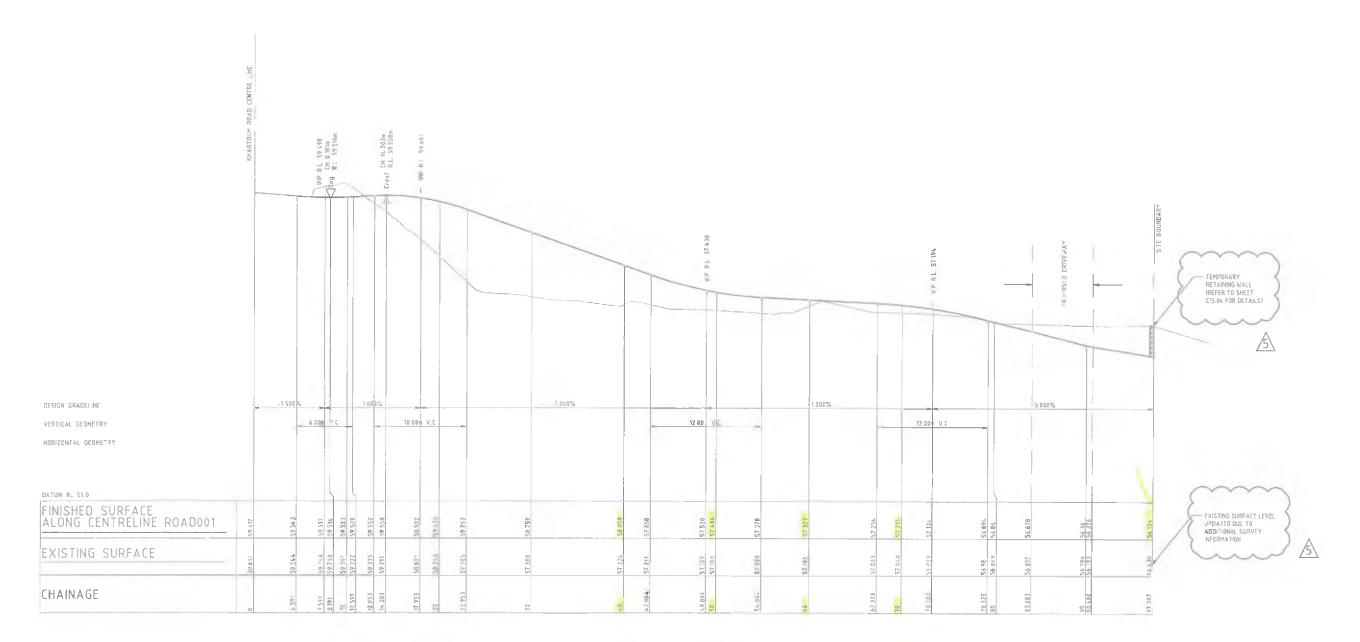






Lu B





LONGITUDINAL SECTION ALONG CENTRELINE ROADOO1

HORIZONTAL SCALE 1/200/41
VERTICAL SCALE 1/400/41



NOT FOR CONSTRUCTION

| | (LIENT | DATE | Vbp.0 | VERID | ISSUEO | DESCRIPTION | EVISION |
|-------------------------|------------------------|----------|-------|-------|--------|------------------------|---------|
| CROOKES | IRICHARD | 23.03.56 | MC | AD | AH | ISSUED FOR APPROVAL | 4 |
| 14.7 | 72.0 | 07.07.16 | MC | A0 | AM | RE-ISSUED FOR APPROVAL | 2 |
| UCTIONS | CONICTE | 16 98.16 | MC | AD | MA | RE-ISSUED FOR APPROVAL | 13 |
| 00110142 | COMPLY | 17.10.16 | MC | AD | UM | RE-ISSUED FOR APPROVAL | 4 |
| FOR CONSTRUCTION UNCESS | PUANWER NAT TO BE HEED | 02.12.15 | AÜ | MR | LM | RE-ISSUED FOR APPROVAL | 5 |
| MIDE HAT DOES ADDED | | | | | | | |



ALL DIMENSIONS TO BUILDING ON SITE (REPORT COMMENTING WORDS)
FOR THIS OF ACCESS TO A STRUCKED LITTY BRITTE USS & LYTT, COMPETTENESS OR SEAL OF IDEALWINGS TRANSFERRED LICKTONISHEALLY. THE SEAL OF IDEALWINGS TRANSFERRED LICKTONISHEALLY. THE SEAL OF IDEALWINGS AND MAY BE INCOMPLETE IN COMPETED TO BLACK I, WHO TE



KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

RATE CIVIL WORKS PACKA

CIVIL WORKS PACKAGE

ROAD LONGITUDINAL
SECTION - SHEET 1

151073

ORAVINS NUMBER REVISION

C10.01 5

ALL DIMEDISIONS TO DE YERFEZD EN STE BESERE COMMENCATE MADRE .

WAST HORSE ACCEPTS NO RESERVES BULTLY FOR THE ESCALLET? COMMENT THESE OR SCALLE OF DIMANINGS .

TRANSFERENDE DILLY TORMSCALLY.

TRANSFERENDE BLANT MOVE BEAN PREPARED USING 10, CMS., AUDI MAY BE MICHIGAN FOR THE WASTE ALL THE PARED WITH MAY BEAN PROPARED USING 10, CMS., AUDI MAY BE MICHIGAN FOR COMMENT & MICHIGAN CO. CMS.



Sydney

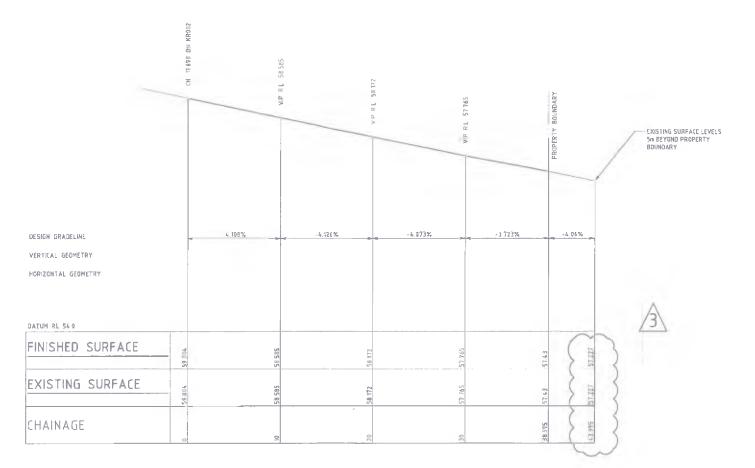
Level 11 345 George Streat, Sydney NSW 2000
Ph (02) 8241 4188 Fax (02) 9241 4324
Fenall sydney@northrop.com.au ABN 81 994 433 100

KHARTOUM CORPORATE CENTRE, MACQUARIE PARK CIVIL WORKS PACKAGE

ROAD LONGITUDINAL SECTION - SHEET2

151073 DRAWING NUMBER

C10.05 3



LONGITUDINAL SECTION ALONG KHARTOUM ROAD LIP LINE (KRO4) HORIZONIAL SCALE 1:200 MA1 VERTICAL SCALE 140 MA1

CITY OF RYDE APPROVED FOR CONSTRUCTION

Signed Marga Date ___ 23/1/2017

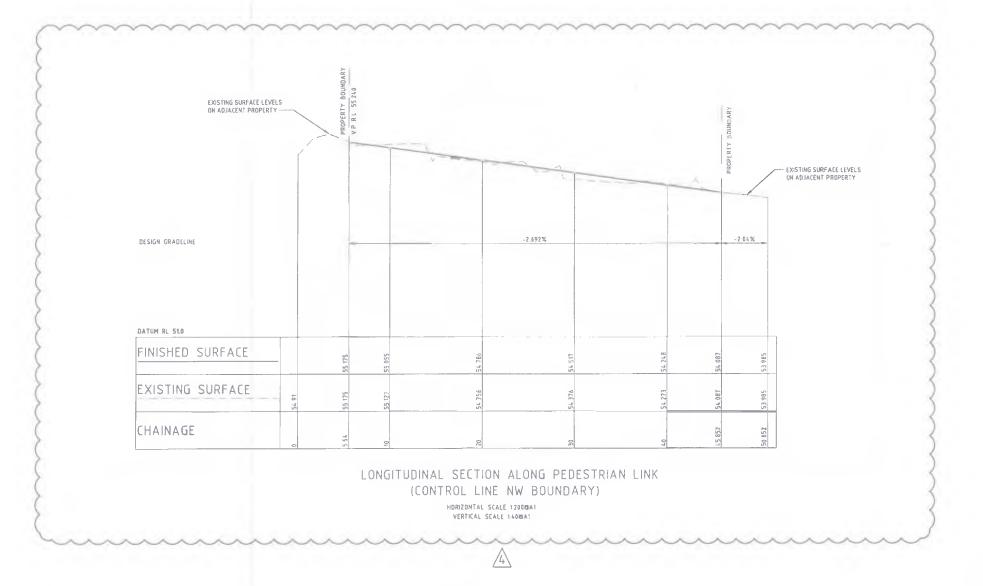
Subject to the Conditions of Development Consent 184 2013/106

NOT FOR CONSTRUCTION

DIAL BEFORE
YOU DIG

GENERAL NOTES:

EXISTING SURFACE LEVELS FROM SURVEY PERFORMED BY 'GEOSURY SURVEYORS'



CITY OF RYDE

APPROVED FOR CONSTRUCTION

Subject to the Conditions of Development Consent

NOT FOR CONSTRUCTION

LOA 2013/106

PIAL DEFORE
YOU DIG

| REVISION | DESCRIPTION | ISSUED | VER'O | APP'D | DATE | CLIENT |
|----------|------------------------|--------|-------|-------|----------|---|
| - 5 | RE-ISSUED FOR APPROVAL | AH | AD | MC | 07 07.16 | IRICHARD CROOKES |
| 7 | RE-ISSUED FOR APPROVAL | MA | AD | MC | 16.08.16 | 90 |
|) | RE-ISSUED FOR APPROVAL | UH | AD | MC | 17.10.16 | CONSTRUCTIONS |
| 4 | RE-ISSUED FOR APPROVAL | UH | MR | AD | 02.02.16 | CONSTRUCTIONS |
| | | | | | | PRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VER FICATION SIGNATURE HAS BEEN ADDED |







Sydney

Level 11 345 George Street, Sydney NSW 2000

Ph (02) 9241 4188 Fax (02) 9241 4324

Email sydney@northrop.com.au ABN 01 094 433 100

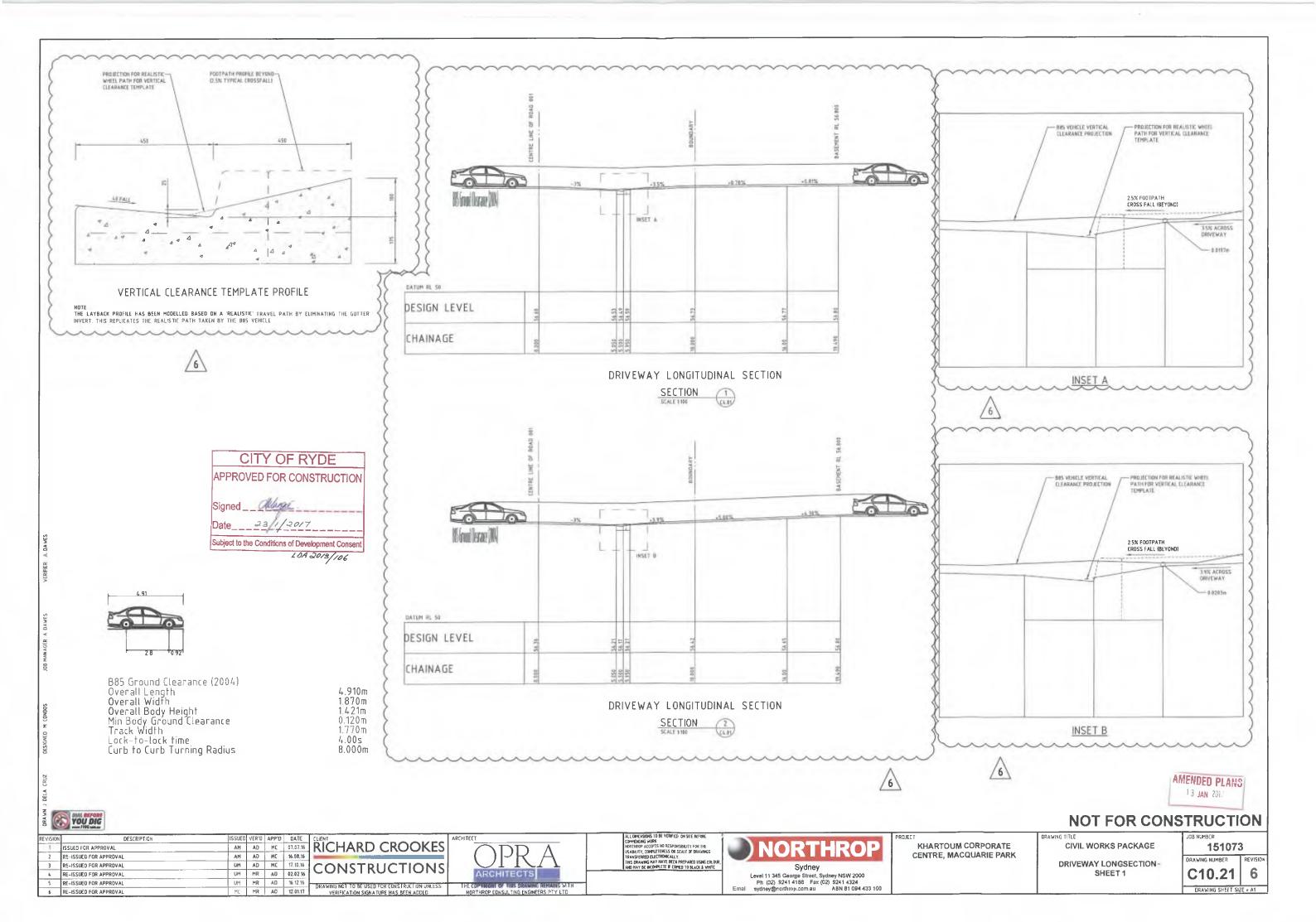
KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

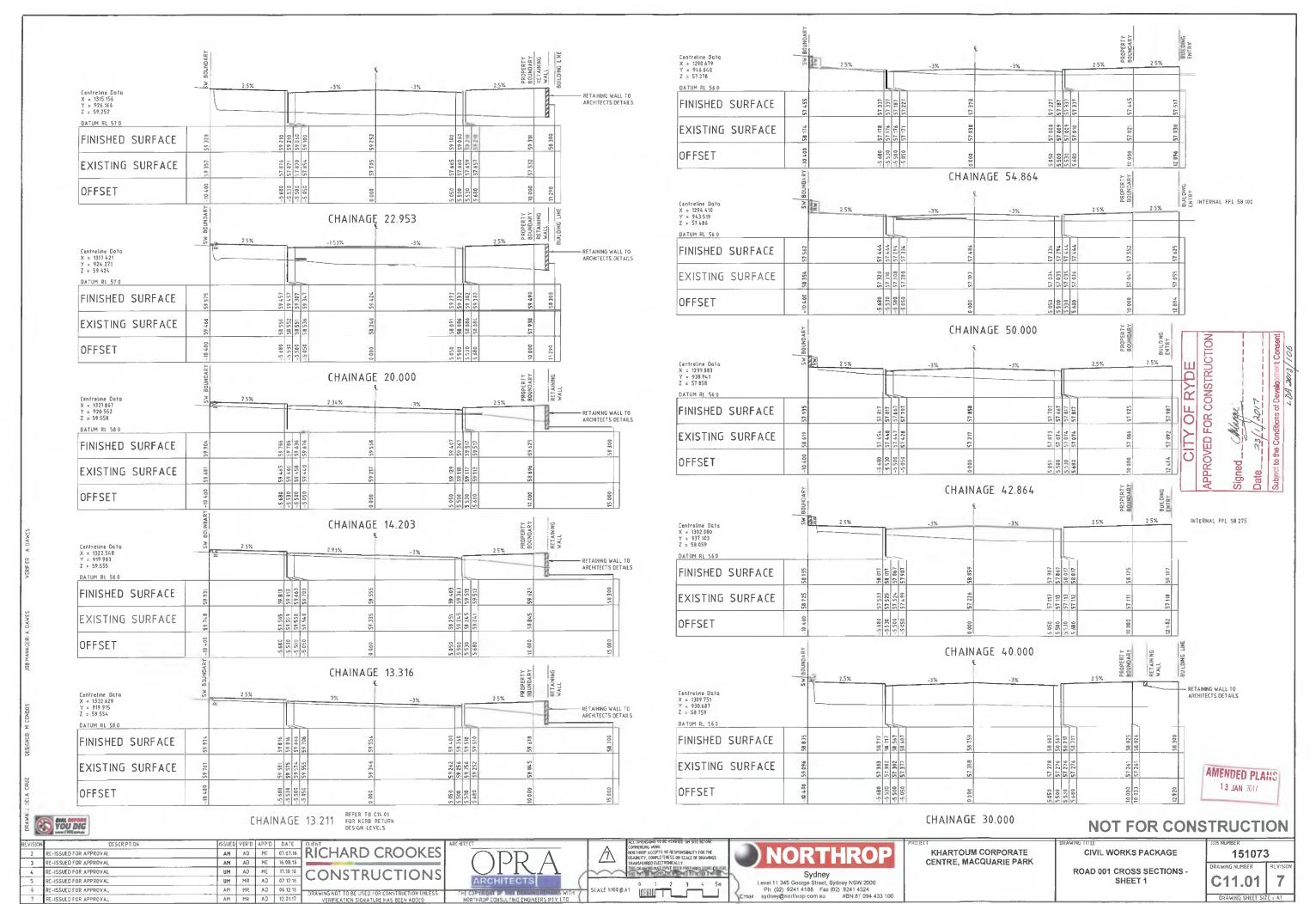
CIVIL WORKS PACKAGE

PEDESTRIAN LINK LONGSECTION

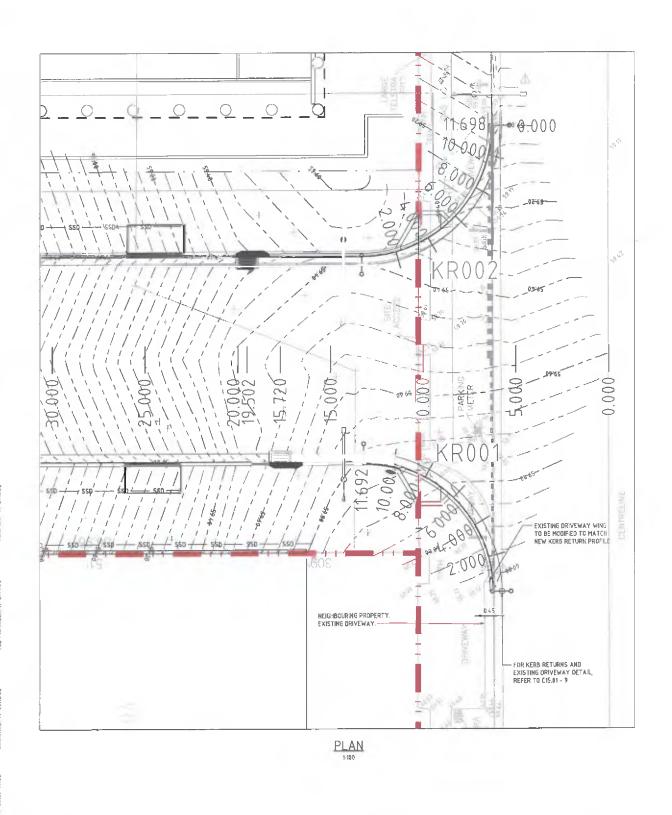
151073

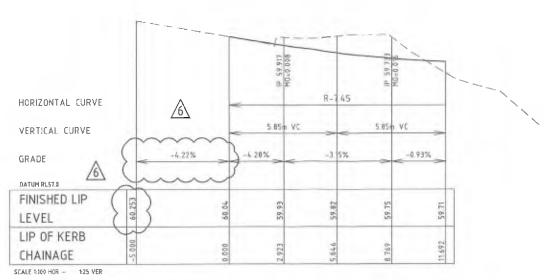
DRAWING NUMBER REVISION C10.11 4





In Ba





LONGITUDINAL SECTION ALONG KR001

| | C1 RD K->KR001 HORIZONTAL IPS | | | | | | | | |
|------|-------------------------------|----------|----------|--------|--------|----------|--------------|--|--|
| PΤ | CHAINAGE | EASTING | NORTHING | HEIGHT | RADIUS | A.LENGTH | DEFL.ANGLE | | |
| IP 1 | 0.000 | 1320.330 | 995.555 | 60.042 | | | | | |
| IP 2 | 5.846 | 1325.095 | 911.268 | 59.825 | -7.450 | 11.692 | 89*55-20.34" | | |
| IP 3 | 11.692 | 1319,389 | 916.042 | 59.706 | | | | | |



SCALE 1100 HOR - 1/25 YER
LONGITUDINAL SECTION ALONG KR002

| | (| C1 RD K | ->KR00 | 2 HOF | RIZONT | AL IPS | |
|------|--------------|----------|----------|------------|--------|----------|--------------|
| РΤ | CHAINAG E | EASTING | NORTHING | HEIGH T | RADIUS | A.LENGTH | DEFL.ANGL |
| IP 1 | 0.000 | 1325.815 | 923.834 | 59.60B | | | |
| IP 2 | 5.849 | 1331.526 | 919.057 | 59.251 | -7.450 | 11,698 | 89"58'05.57" |
| IP 3 | 11.698 | 1336.306 | 924.T66 | 59.002 | | | |





NOT FOR CONSTRUCTION

| - | | | | | | |
|--------|---------------------------------|---|--------|--------|-----------|--|
| AIZIOM | DESCRIPTION | ISSUED | VER'D | APP'D | DATE | CLIENT |
| 1 | ISSUED FOR APPROVAL | AM | ΑĎ | MC | 07.07.16 | RICHARD CROOKES |
| 2 | RE-ISSUED FOR APPROVAL | AH | AD | MC | 16,08,16 | A. C. |
| 3 | RE-ISSUED FOR APPROVAL | JO. | AD | ME | 16, 08,16 | CONSTRUCTIONS |
| 4 | RE-ISSUEO FOR APPROVAL | UM | AD | ME | 11,10,16 | CONSTRUCTIONS |
| 5 | RE-ISSUED FOR APPROVAL | UM | MR | AD | 92.02.16 | DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS |
| 6 | RE-ISSUED FOR APPROVAL | AH | MR | AD | 12.01.17 | VERIFICATION SIGNATURE HAS BEEN ADOED |
| | VISION 1 2 3 4 5 | VISION DESCRIPTION 1 ISSUED FOR APPROVAL 2 RE-ISSUED FOR APPROVAL 3 RE-ISSUED FOR APPROVAL 4 RE-ISSUED FOR APPROVAL 5 RE-ISSUED FOR APPROVAL 6 RE-ISSUED FOR APPROVAL 6 RE-ISSUED FOR APPROVAL | VISION | VISION | VISION | VISION DESCRIPTION ISSUED VER'D APP D OATE |

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ARCHITECTS

ARCHITECTS

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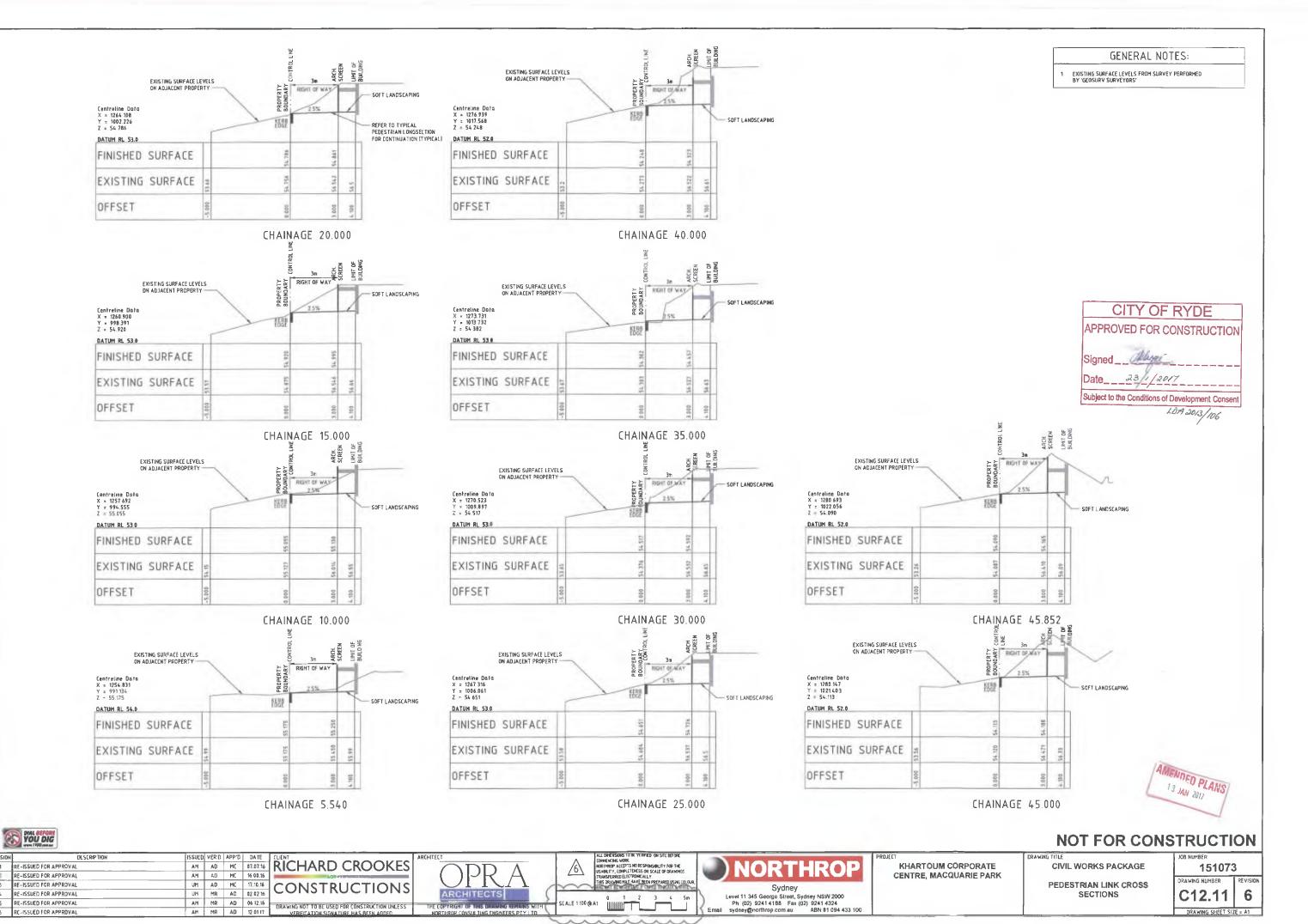


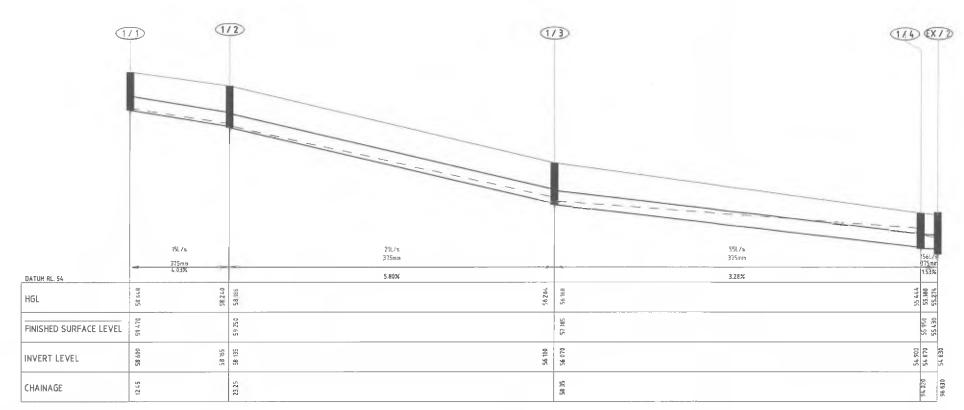
KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

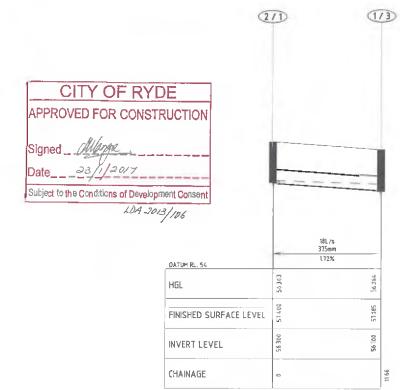
| DRAWING TITLE |
|----------------------|
| CIVIL WORKS PACKAGE |
| KERB RETURN PROFILES |

| 1110011 | |
|----------------|---------|
| JOB NUMBER | |
| 151073 | 3 |
| DRAWING NUMBER | REVISIO |
| C14.01 | 6 |

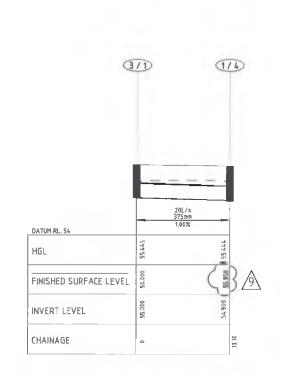
Ln 13_

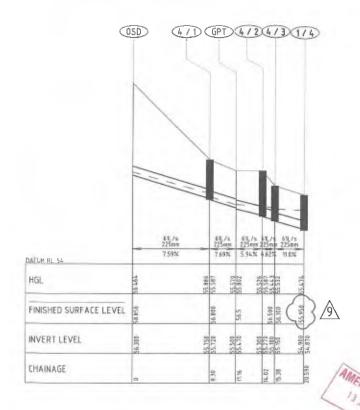






| | DRAINAGE STRUCTURE SCHEDULE | | | | | | | | |
|----------------------------------|-----------------------------|-----------------------|----------------------------|---------------------------|---|--|--|--|--|
| STRUCTURE ID (STRUCTURE-LINE) | STRUCTURE DESCRIPTION | GRATE & FRAME SIZE | LINTEL TYPE & SIZE | ACCESS COVER & CLASS | REMARKS | | | | |
| | | | | | | | | | |
| LINE A | | | | | | | | | |
| 1/1 | NEW KERB INLET PIT | 450 x 900 | 18m CONCRETE LINTEL | GALV. HEEL SAFE COVER 'D' | | | | | |
| 1/2 | NEW KERB INLET PIT | 450 x 900 | 18m CONCRETE LINTEL | GALV. HEEL SAFE COVER 'D' | | | | | |
| 1/3 | NEW KERB INLET PIT | 450 x 900 | 18m CONCRETE LINTEL | GALV. HEEL SAFE COVER 'D' | | | | | |
| 1/4 | NEW KERB INLET PIT | 450 × 900 | 2.4m CONCRETE LINTEL 'SAG' | GALV. HEEL SAFE COVER 'D' | · · | | | | |
| EX/2 | EXISTING JUNCTION PIT | | | | CONTRACTOR TO CONFIRM RL AND IL ON SITE PRIOR TO CONSTRUCTION | | | | |
| 2/1 | NEW KERB INLET PIT | 450 x 900 | 18m CONCRETE LINTEL | GALV, HEEL SAFE COVER 'D' | | | | | |
| 3/1 | NEW KERB INLET PIT | 450 x 900 | 2.4m CONCRETE LINTEL 'SAG' | GALV. REEL SAFE COVER 'D' | | | | | |
| 4/1 | NEW JUNCTION PIT | 600 x 900 | | CONCRETE INFILL COVER 'B' | | | | | |
| 4/2 | NEW JUNCTION PIT | 600 x 900 | | CONCRETE INFILL COVER 'B' | | | | | |
| 4/3 | NEW JUNCTION PIT | 600 x 900 | | CONCRETE INFILL COVER 'B' | | | | | |





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|----------|-------------------------|--------|-------|-------|----------|
| 4 | RE-ISSUED FOR APPROVAL | AM | AD | MC | 07.07.16 |
| 5 | ISSUED FOR CONSTRUCTION | MA | ΑĎ | MC | 14.07.16 |
| 6 | RE-ISSUED FOR APPROVAL | AH | AD | MC | 16.08.15 |
| 7 | RE-ISSUED FOR APPROVAL | UM | AD | MC | 17.10.16 |
| 8 | RE-ISSUED FOR APPROVAL | UM | MR | AD | 02.02.16 |
| 9 | RE-ISSUED FOR APPROVAL | AM | MR | AD | 12 01 17 |

RICHARD CROOKES CONSTRUCTIONS

SCALE 150@ A1 (V) 0.0 0.5 10 1.5 20 2.5n

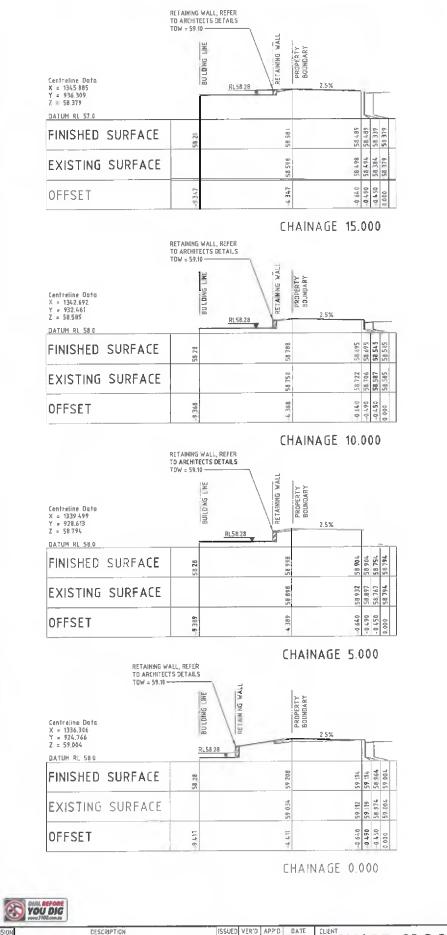
Sydney
Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 418B Fax (02) 9241 4324
Email sydney@northrop.com.au ABN 81 094 433 100

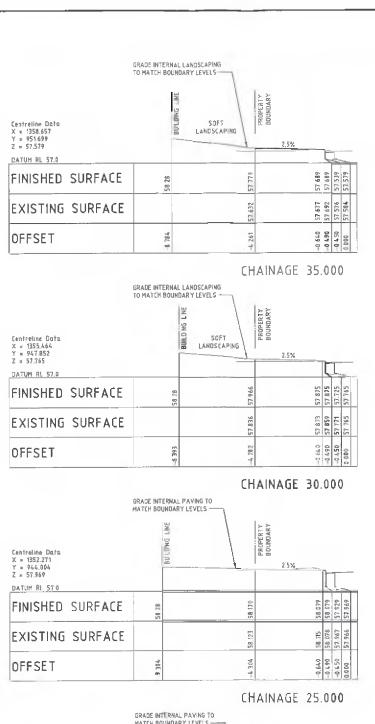
KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

DRAWING TITLE CIVIL WORKS PACKAGE

STORMWATER LONGITUDINAL SECTIONS - SHEET 1

NOT FOR CONSTRUCTION 151073 RAWING NUMBER C13.01 9





CHAINAGE 25.000

GRADE INTERNAL PAYING TO MATCH BOUNDARY LEVELS

Land Boundary Levels

Z = 364.076

Z = 58.172

DATUM RL 57.0

FINISHED SURFACE

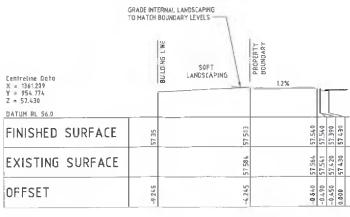
EXISTING SURFACE

EXISTING SURFACE

OFFSET

CHAINAGE 20.000

CHAINAGE 25.000

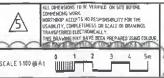


CHAINAGE 38.995

AMENDED PLANS

NOT FOR CONSTRUCTION



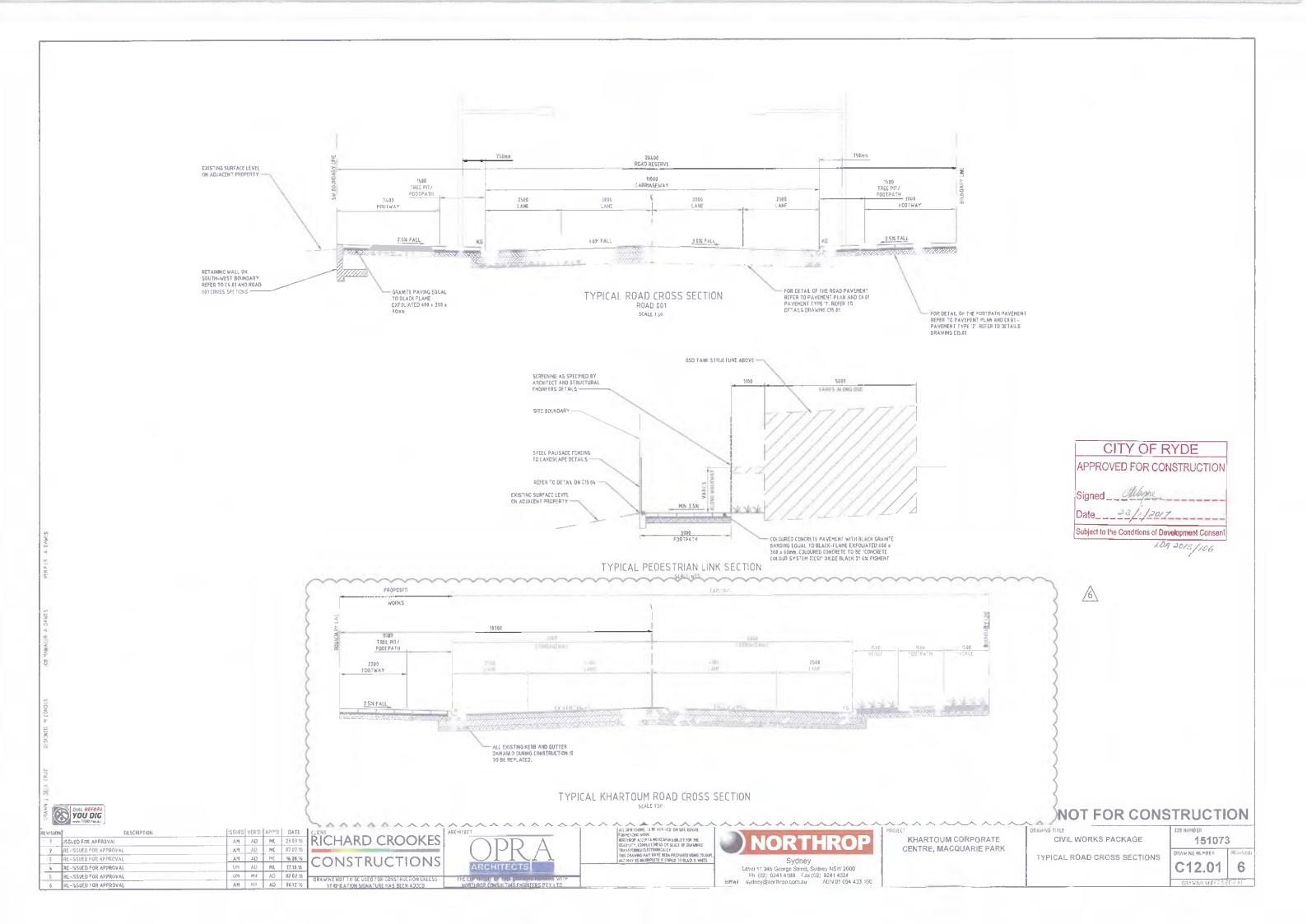


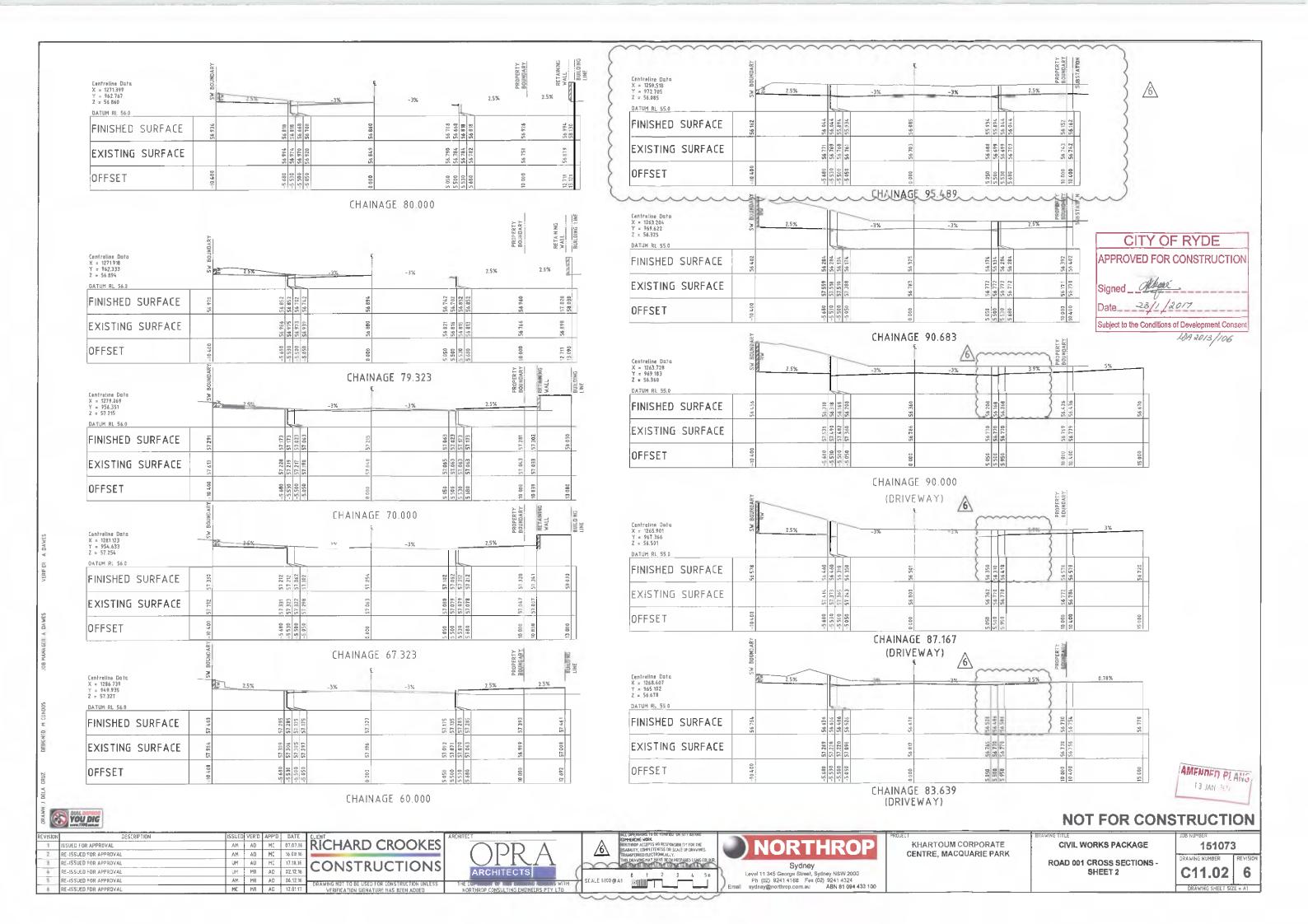


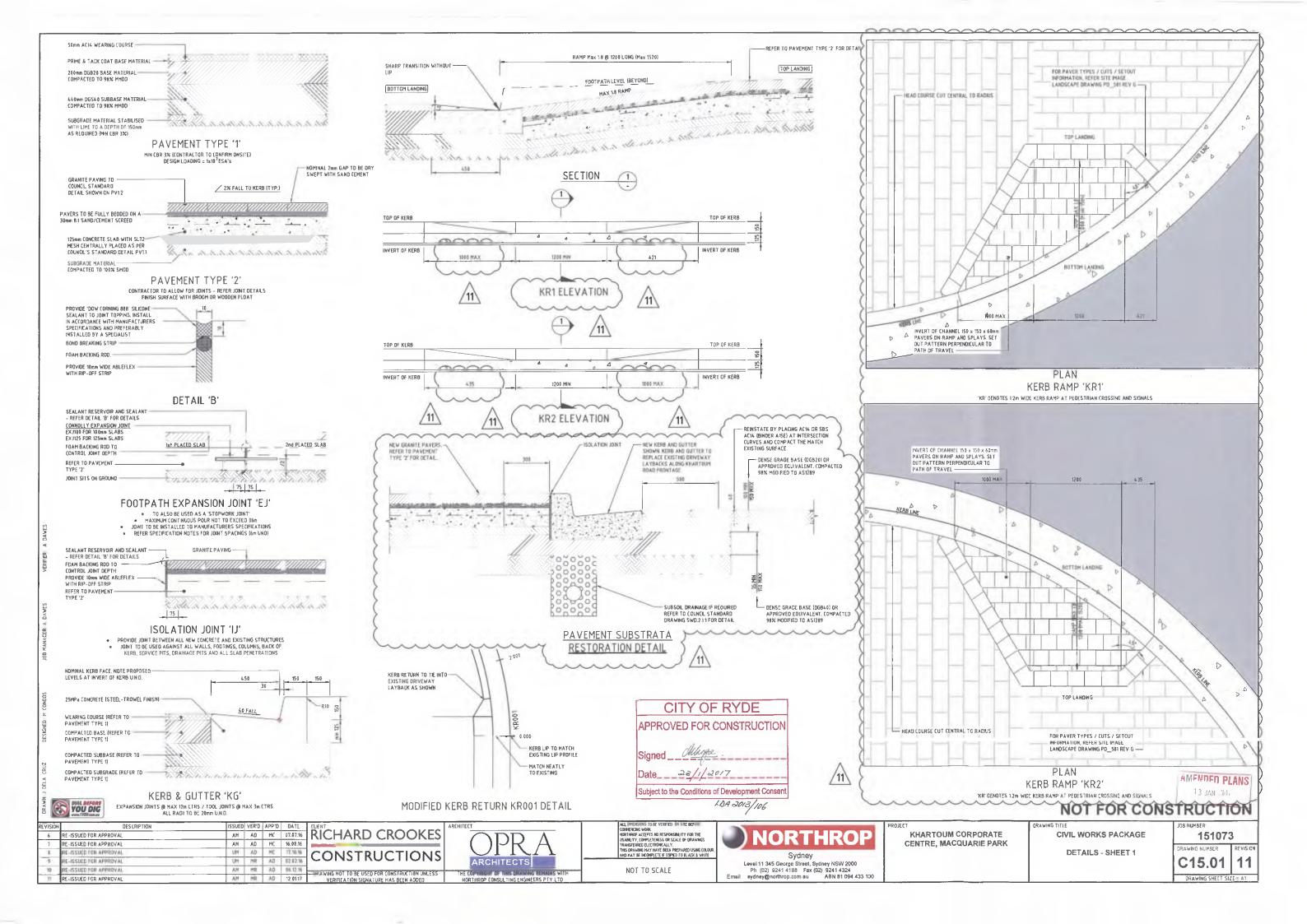
KHARTOUM CORPORATE CENTRE, MACQUARIE PARK CIVIL WORKS PACKAGE

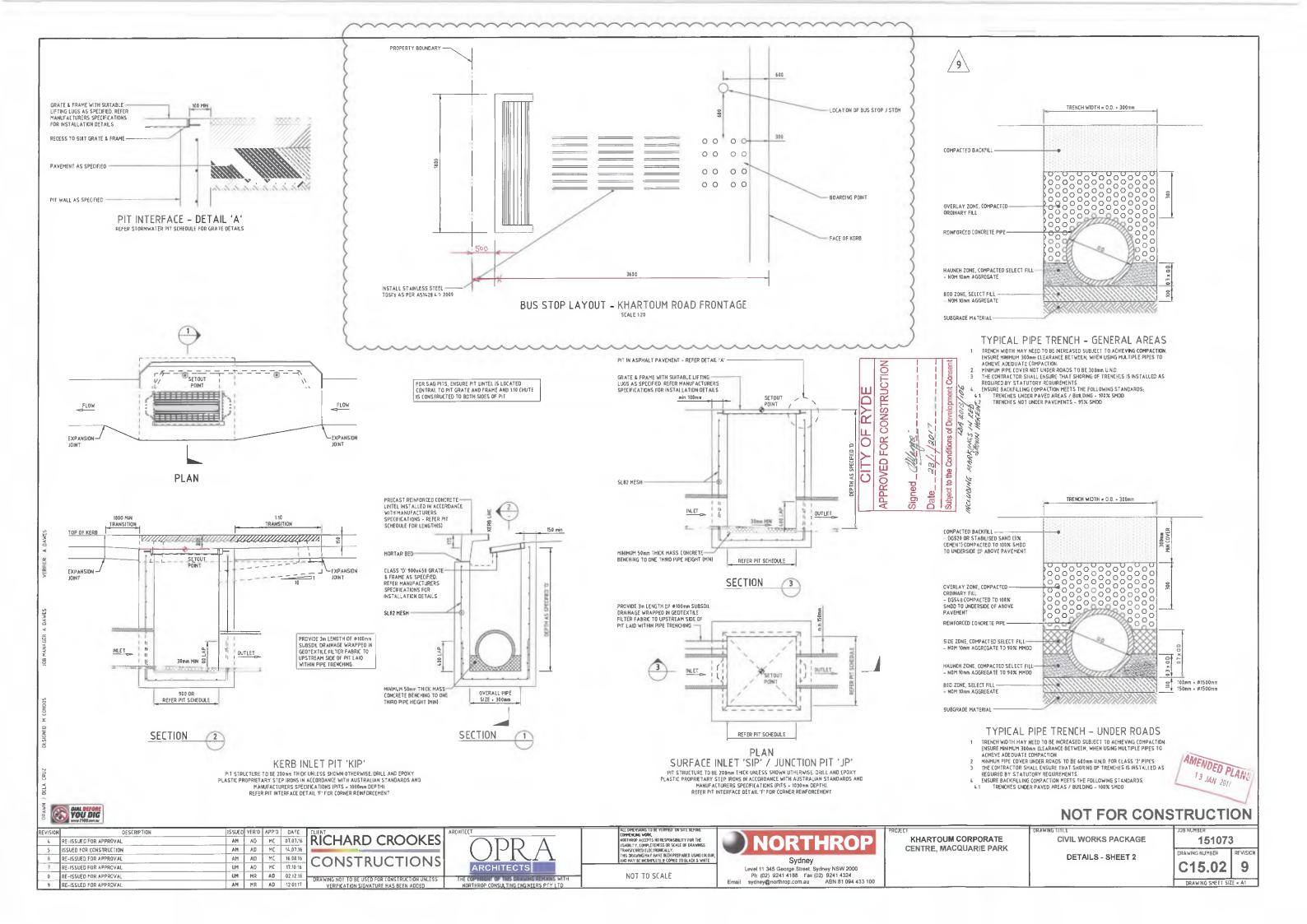
KHARTOUM ROAD CROSS SECTIONS 151073

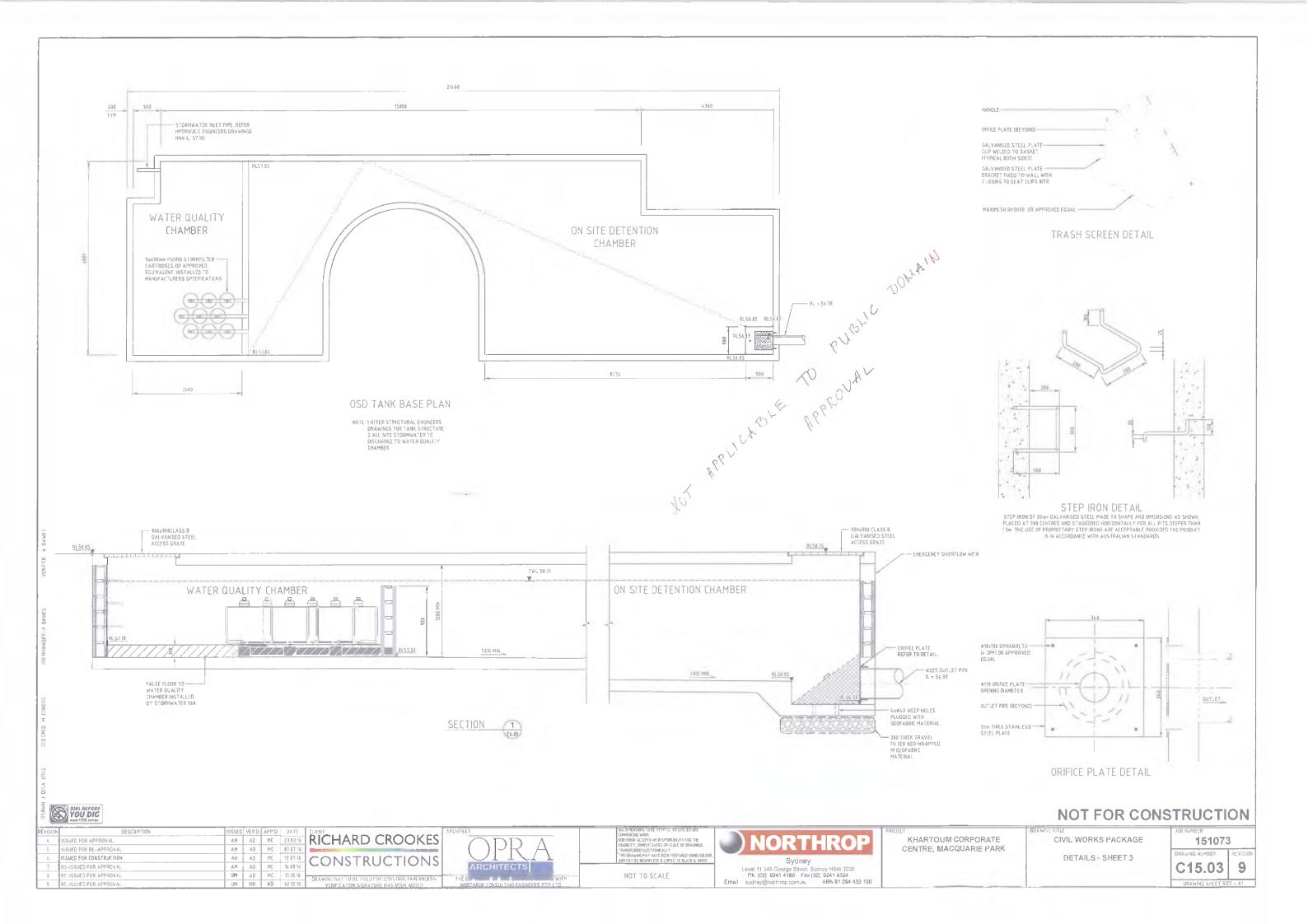
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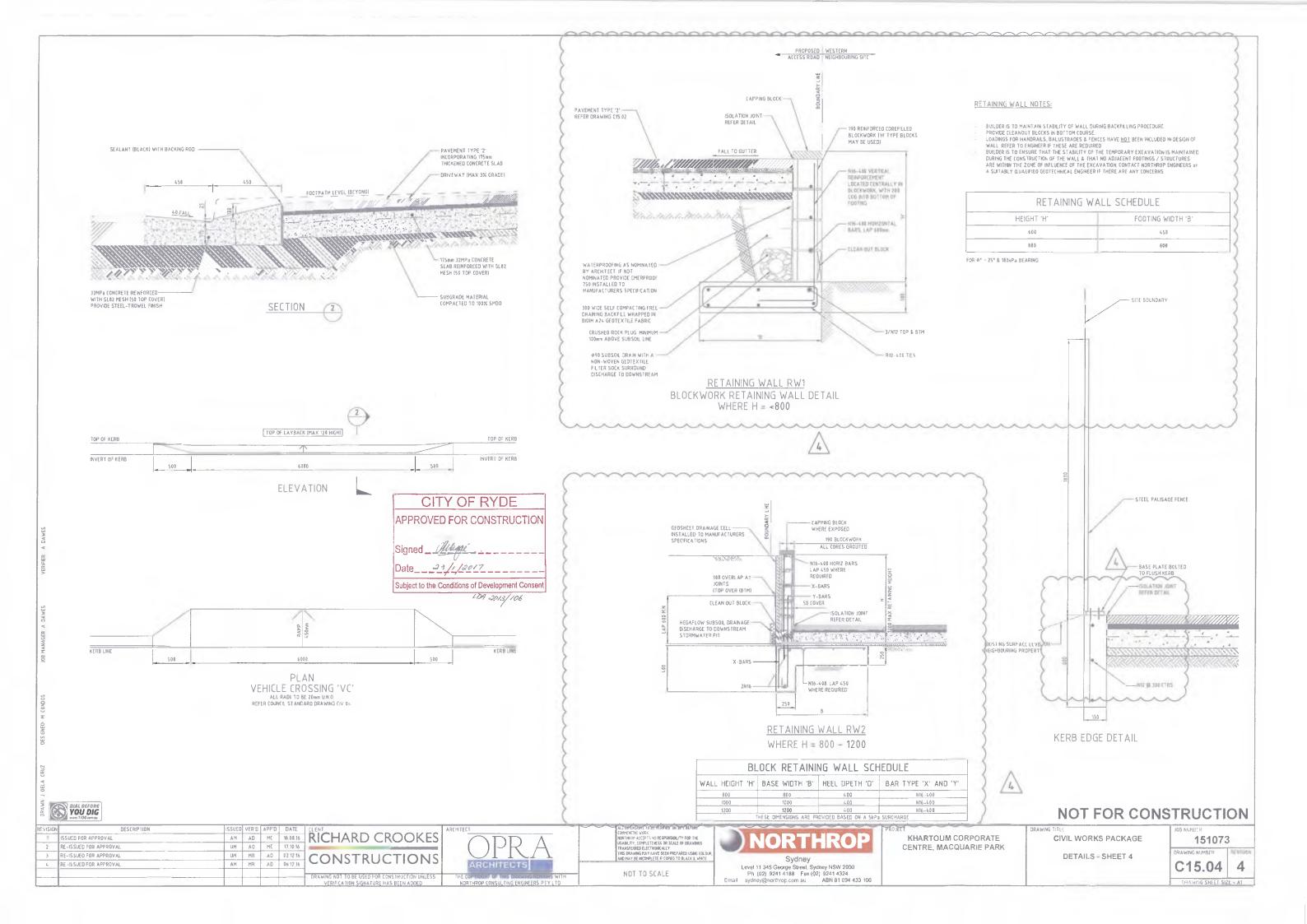


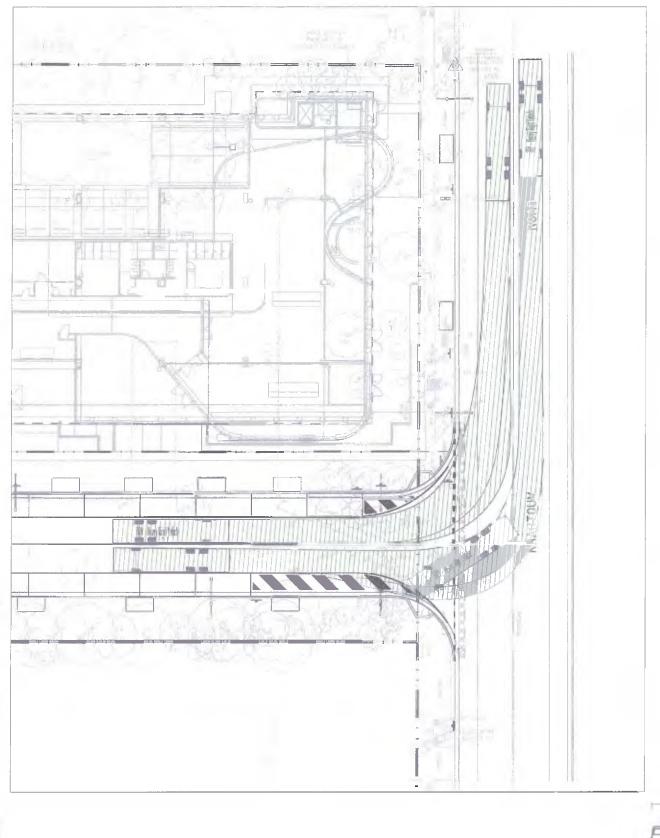


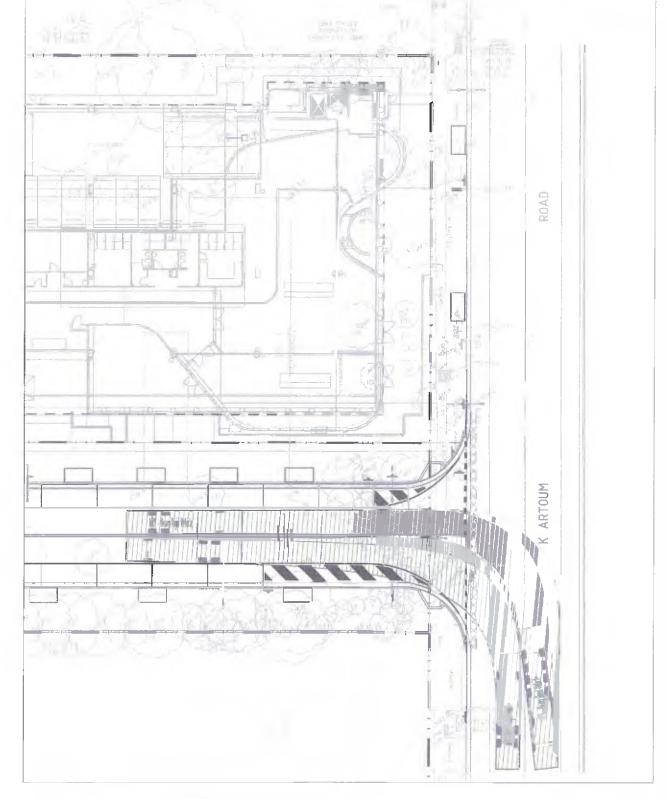




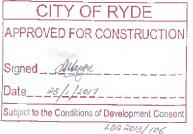












KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

NOT FOR CONSTRUCTION

CIVIL WORKS PACKAGE

TURNING PATHS PLAN - SHEET 1

151073 AWING NUMBER REVISION

C17.01 5

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|-----------|---------------------------------------|--------|-------|-------|----------|
| RE VISION | DESCRIPTION | ISSUED | VER'D | APP'D | DATE |
| 11 | ISSUED FOR APPROVAL | AM | AD | MC | 07.07.16 |
| 7: | RE-ISSUED FOR APPROVAL | AM | AD | ME | 16.08.16 |
| 3 | RE-ISSUED FOR APPROVAL | UH | AD | MC | 17.10,16 |
| A. | RE-(SSUED FOR APPROVAL | LIM | MR | CA | 02.12.16 |
| | DE (ECUED CAD ADDDAVA) | UM | 64.3 | 4.0 | AE 19 16 |

RICHARD CROOKES CONSTRUCTIONS DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS
 VERFICATION SIGNATURE HAS BEEN ADDED



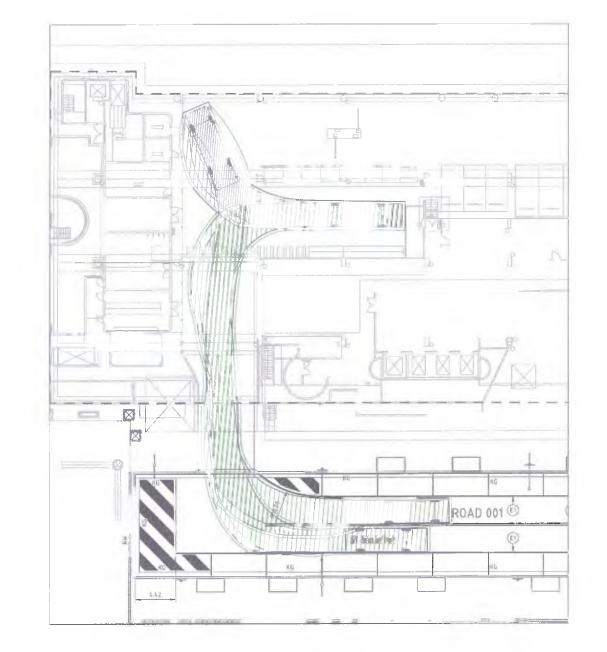


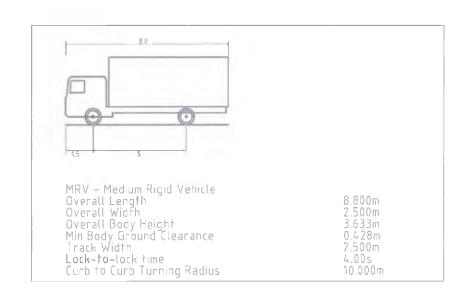


Sydney

Level 11 345 George Street, Sydney NSW 2000
Ph (02) 9241 4188 Fax (02) 9241 4324

Email sydney@nodhrop.com.au ABN 31 094 433 100



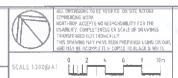




NOT FOR CONSTRUCTION

| REVISION | DESCRIPTION | ISSUED V | ERID. | APP'D | DATE | CLIENT |
|----------|------------------------|----------|-------|-------|----------|--|
| 1 | ISSUED FOR INFORMATION | AH | AD. | MC | 16 08.16 | RICHARD CROOKES |
| 2 | RE-ISSUED FOR APPROVAL | UM | AD | MC | 17.10.16 | 6,400,000 |
| 3 | RE-ISSUED FOR APPROVAL | | MR | AD | 02 12.16 | CONSTRUCTIONS |
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KHARTOUM CORPORATE CENTRE, MACQUARIE PARK

| CIVIL WORKS PACKAGE | |
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| TURNING PATHS PLAN - SHEET 2 | |

151073

DRAWING NUMBER REVISION

C17.02 3

An 2-3

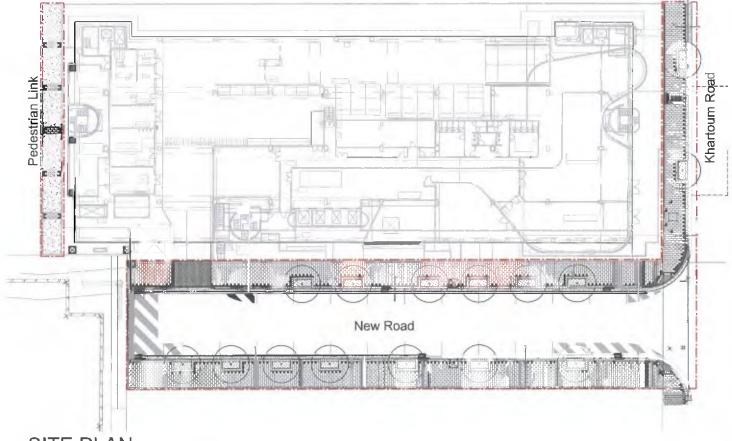
Khartoum Corporate Centre Public Domain

Macquarie Park, NSW 2113

LANDSCAPE

DRAWINGS

| DWG NO. | DRAWING TITLE | ISSUE | SCALE |
|---------|------------------------------|-------|----------|
| PD_000 | COVERSHEET | L | N/A |
| PD_101 | LANDSCAPE PUBLIC DOMAIN PLAN | М | 1:150 |
| PD_501 | LANDSCAPE DETAILS | G | AS SHOWN |
| PD_502 | LANDSCAPE DETAILS | G | AS SHOWN |
| PD_503 | LANDSCAPE DETAILS | D | AS SHOWN |



SITE PLAN

NOT FOR CONSTRUCTION

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the contractor shall check and varify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not acride this drawing. Any required dimensions not

PLANT SCHEDULE

| Symbol | Botanic Name | Common Name | Install Height x Width (Metres) | Mature Height x Width (Metres) | Pot Size | Spacing | Qty |
|--------|---|---------------------|------------------------------------|-----------------------------------|----------|----------|-----|
| Ac | Trees Angophora costate | Smooth Barked Apple | 3 x 1.5 | 30 x 10 | 100L | As Shown | 15 |
| DB | Groundcovers/ Grasses Dianella caerulea 'Breeze' | Dianella Breeze | 0.2 x 0.2 | 0.6 x 0.6 | 150mL | 5/m2 | 315 |



Key Plan:



Richard Crooks Constructions

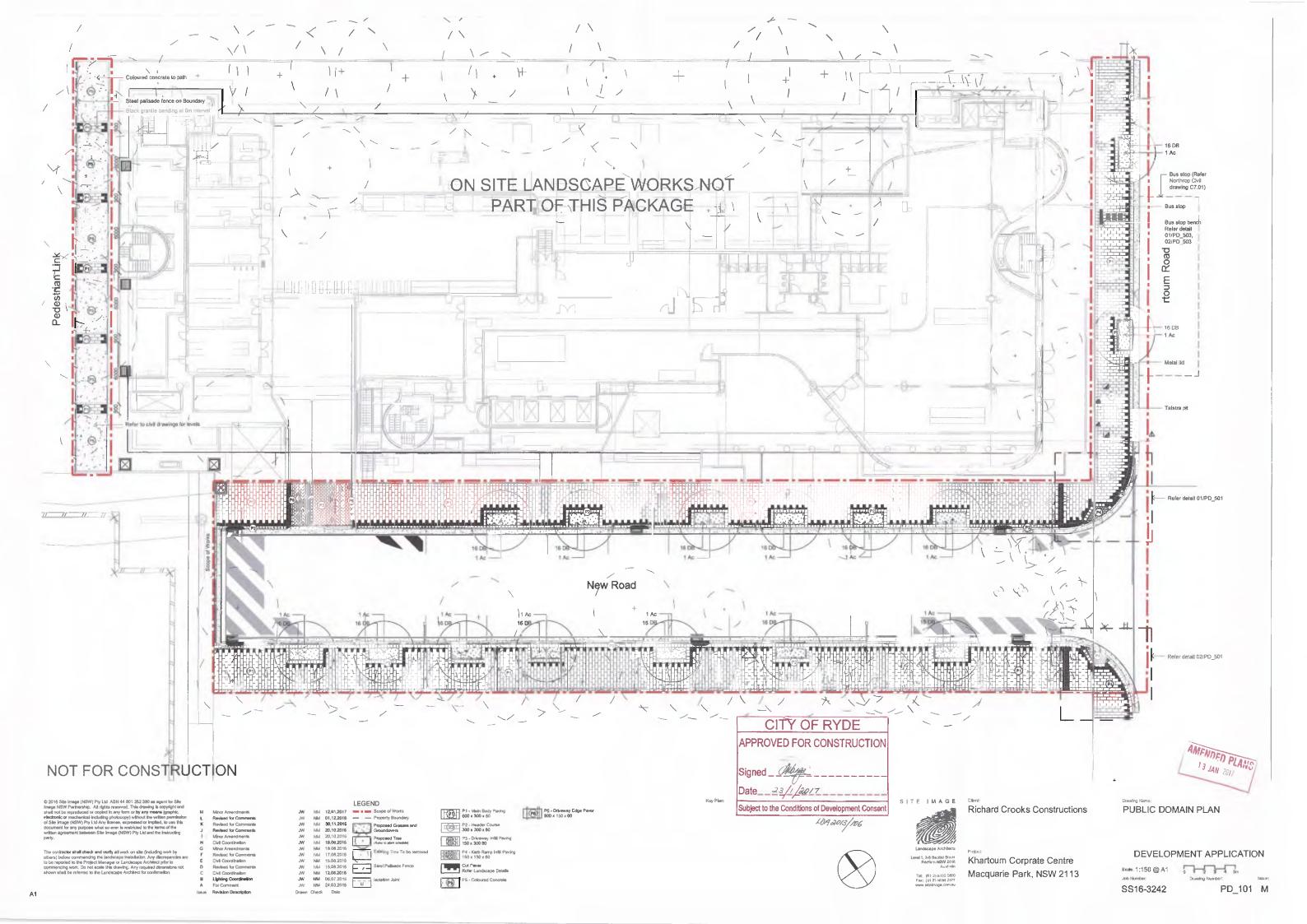
COVERSHEET

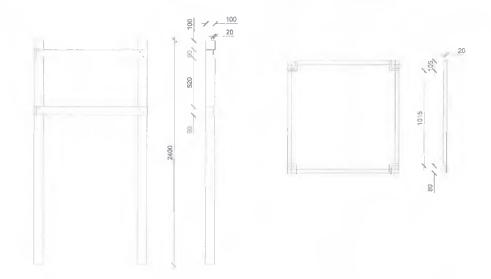
Khartoum Corprate Centre
Macquarie Park, NSW 2113

DEVELOPMENT APPLICATION

Job Number: SS16-3242

3242 PD_000 L

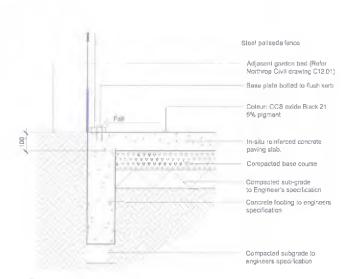




DETAIL - TREE GUARD 1200mm SIZE - TYP!CAL



DETAIL - TREE GUARD 1200mm SIZE - TYPICAL



INSITU CONCRETE PAVING AND FENCE SCALE 1:10

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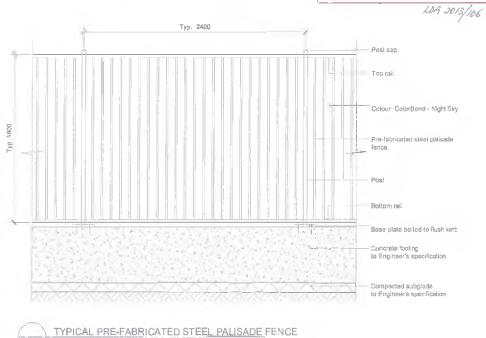
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The contractor thatflithock and verify all work on sits (including work by others) before commending the landscape Installation Any secreptaneous are to be reported to the Project Kinningor or Landscape Artiblish prior to certain assignment of the contracting work. Do not scale that disaving, Any required demonstrate soft anome shall be referred to the Landscape Artiblish for confirmation of the contraction o

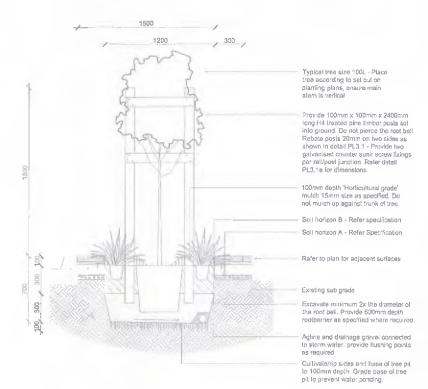
LEGEND

1200 MIN, LANDING 1200 - 1500 MAX. P4 - 150 X 150 X 60mm PAVER TO RAMP AND SPLAYS JOINT SEALANT (PJ), COLOUR BLACK P2 - 300 X 300 X 60mm BOUNDARY PAVER ISOLATION JOINT (IJ) TO BACK OF KERB AND CHANNEL. REFER JOINTING DETAILS. INVERTIOF KERB AND CHANNEL ADJACENT ROAD SURFACE

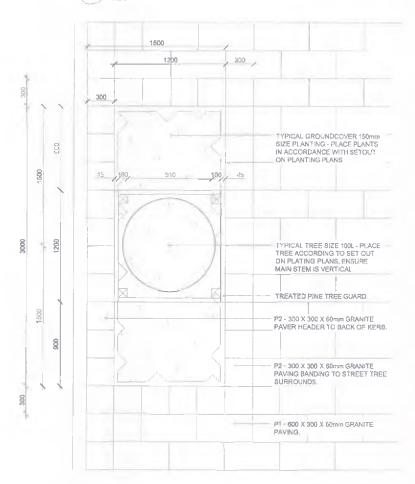
> KERB RAMP - SECTION CITY OF RYDE APPROVED FOR CONSTRUCTION Subject to the Conditions of Development Consent



SCALE 1:20



DETAIL - TYPICAL TREE PIT AND GARDEN BED



TREE PIT WITH GRANITE PAVING SURROUNDS 3m X 1.2m - TYPICAL

SITE IMAGE Client

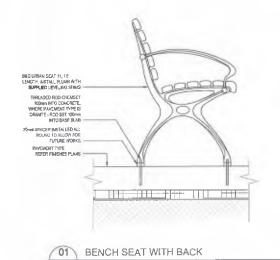
Richard Crooks Constructions

LANDSCAPE DETAILS

Khartoum Corprate Centre Macquarie Park, NSW 2113 DEVELOPMENT APPLICATION

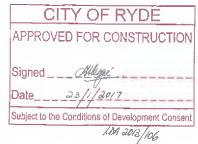
Job Number SS16-3242

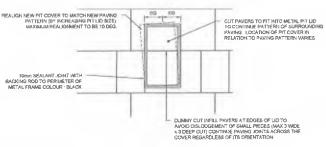
PD_502 G



GRANITE PAVEMENT 125mm CONCRETE BASE SLAB



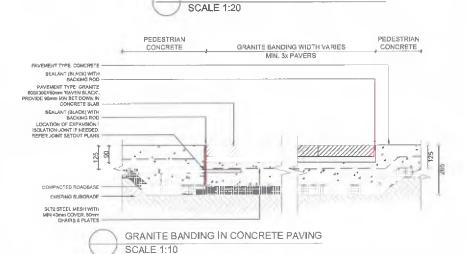






LEGEND

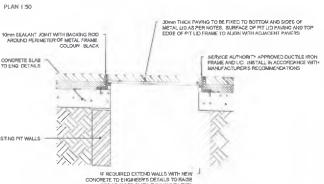
503 SCALE 1:10



SIGN POST DETAIL

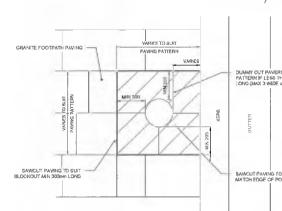
DIRECT CONCRETE EMBEDMENT

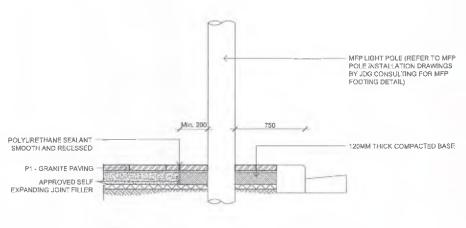
SECTION 1:20



SECTION 1:10

PIT ALIGNMENT SCALE AS SHOWN





PAVING AROUND LIGHT POLES SCALE1:20

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The contractor shall check and verify all work on sits (sockeding work by others) before commencing the fundament installation. Any discrepand to be proposed in the Project Manager or Landscape Architect prior to commensing work. Do not scale lifts drowing. Any required denonserve shows shall be safemed to be Landscape Architect of or confirmation.

Minor Amendmenta Revised for Comments Revised for Comments Minor Amendments

JW NM 12.01.2017 JW NM 01.12.2016 JW NM 20.10.2016 JW NM 20.10.2016



PLAN 1.20

Landscape Architects

Khartoum Corprate Centre Macquarie Park, NSW 2113 AMENDED PLANT 13 JAN 2017

LANDSCAPE DETAILS

DEVELOPMENT APPLICATION

Scale: As Shown SS16-3242

PD_503 D