

Aiken, Phillipa

From: Gasan Mohamad <GasanM@ryde.nsw.gov.au>
Sent: Thursday, 22 July 2021 12:07 PM
To: Aiken, Phillipa
Cc: Onneile Matlapeng; Emily Lu; de Gorter, Nick; Damian Vella; Michael Kavanagh
Subject: SSD9343 -2 Rhodes Street, Meadowbank -Approved Public Domain Civil and landscaping Works Plans
Attachments: Notice of Intention to Commence Public Domain Works_Form_July 2017.pdf; Approved civil works plans_part 1.pdf; Design certificate.pdf

E-mail 1 of 1

Note: Due to large file sizes, the documents and approval will be submitted via 4 x separate e-mails.

Dear Phillipa,

The CC plans for the public domain civil and landscaping works for SSD9343 at 2 Rhodes Street, Meadowbank have been stamped and approved.

This confirms compliance with the submissions required in consent condition Nos. D14 items a,b,c,d,e,f,g,i,j,k,l,m,n(item h still outstanding) and D15 approved under SSD9343, dated 21/05/2020.

Attached is the approved civil and landscape plans and any amendments shown in red are part of this approval .

The approval is provided in accordance with Sections 138 and 139 of the Roads Act 1993 and subject to the following conditions:

1. Permits - The necessary permits to be in place prior to commencement of construction. For your information, there is a package of information available at the Customer Service Desk, for Developers re: road activity permits checklists, which provide guidance for Developers in applying for the different permits prior to starting the construction work. It may be beneficial to remind your Contractors of such checklists prior to the start of construction.

2. Notice of Intention to Commence Public Domain Works - Prior to commencement of the public domain works, a *Notice of Intention to Commence Public Domain Works* shall be submitted to Council's City Works and Infrastructure Directorate. This Notice shall include the name of the Contractor who will be responsible for the construction works, and the name of the Supervising Engineer who will be responsible for providing the certifications required at the hold points during construction, and also obtain all Road Activity Permits required for the works.

Note: A copy of the *Notice of Intention to Commence Public Domain Works* is enclosed. Copies of a number of documents are required to be lodged with the Notice; no fee is chargeable for the lodgement of the Notice.

3. Public areas and restoration works - Public areas must be maintained in a safe condition at all times. Restoration of disturbed road and footway areas for the purpose of connection to public utilities, including repairs of damaged infrastructure as a result of the construction works associated with this development site, shall be undertaken by the Developer in accordance with Council's standards and specifications, and DCP 2014 Public Civil Works.

4. Underground Utility Services- Locate and establish the size and levels of all utility services in the existing footpath and Road reserve. Contact Dial Before You Dig Service prior to commencement of any works. All adjustments to public utilities mains and services as a consequence of the development and associated construction works shall be at the full cost to the applicant. Compliance with the requirements of any relevant utility provider (e.g. Energy Australia, Sydney Water, Telstra, TfNSW, Council) in relation to any connections, works, repairs, relocation, replacements and/or adjustments to public infrastructure must be achieved.

5. Pre-Construction CCTV Report - To ensure Council's stormwater infrastructures are adequately protected, a pre-construction CCTV report on the existing stormwater pipeline adjacent to the proposed development is to be submitted to Council prior to the commencement of any construction works. An electronic closed circuit television report (track mounted CCTV camera footage) prepared by an accredited operator that assesses the condition of any existing drainage line fronting the site is required.

6. Hold Points during construction -Drainage Works - Council requires inspections to be undertaken by a suitably qualified Chartered Civil Engineer (registered on the NER of Engineers Australia), or equivalent, for all Council stormwater drainage works at the following hold points:

- a) Upon excavation of trenches shown on the approved drainage drawings.
- b) Upon installation of pit reinforcement but prior to concrete pour for cast in-situ pits.
- c) Upon installation of pipes and other drainage structures prior to backfilling.
- d) Upon backfilling of excavated areas and prior to the construction of the final pavement surface.
- e) Upon connection to Council's Existing kerb inlet pit.
- f) Final inspection - upon the practical completion of all civil works with all disturbed areas satisfactorily restored.

Any stormwater pit with a depth greater than 1.2 metres shall be certified by a suitably qualified Structural Engineer. The Applicant shall submit to the Principal Certifying Authority, certification from the Engineer, at each stage of the inspection listed above, stating all civil and structural construction works have been executed as detailed in the stamped approved plans, and in accordance with the relevant Australian Standards, City of Ryde standards and specifications within 24 hours following completion of the relevant stage/s. The certificates shall contain photographs of the works in progress and a commentary of the inspected works, including any deficiencies and rectifications that were undertaken.

Following completion of the final stage prior to the commencement of the operation of the new schools, the applicant shall submit all certifications from the Engineer to Council's City Works Directorate, stating all civil and structural construction works have been executed as detailed in the stamped approved plans, and in accordance with the relevant Australian Standards, City of Ryde standards and specifications. The certificates shall contain photographs of the completed works and a commentary of the inspected works, including any deficiencies and rectifications that were undertaken.

7. Council Inspection during construction Drainage Works - Joint inspections shall be undertaken with Council's Engineer and the Site Engineer to confirm the construction for the stormwater drainage is to Council's satisfaction. The scope and number of inspections required shall be discussed and mutually agreed with Council's Engineer at the construction commencement stage. Council shall be given a minimum 7 days' notice prior to the commencement of drainage Construction works.

Inspections shall typically occur at the following hold points:

- a) Upon installation of pipeline in the trench and installation of other drainage structures, prior to backfilling.
- b) Upon backfilling of excavated areas and prior to the construction of the final pavement surface.

An inspection fee is applicable for each visit, and at least 48 hours' notice will be required for the inspections. Please contact Council's Customer Service Section on 9952 8222 to book an inspection. Further work is not to proceed until the works are inspected and approved by Council in writing.

8. Hold Points during construction Public Domain Works - Inspections are required to be undertaken by a Chartered Civil Engineer (registered on the NER of Engineers Australia), for the public domain works, at the hold points shown below.

The Applicant shall submit to Council's City Works and Infrastructure, certification from the Engineer, at each stage of the inspection listed below. The certificates shall contain photographs of the works in progress and a commentary of the inspected works, including any deficiencies and rectifications that were undertaken.

- a) Prior to the commencement of construction and following the set-out on site of the position of the civil works to the levels shown on the approved civil drawings.
- b) Upon excavation, trimming and compaction to the subgrade level - to the line, grade, widths and depths, shown on the approved civil engineering drawings.
- c) Upon compaction of the applicable sub-base course.
- d) Upon compaction of any base layers of pavement, prior to the construction of the final pavement surface (e.g. prior to laying any pavers or asphalt wearing course).
- e) Upon installation of any formwork and reinforcement for footpath concrete works.
- f) Final inspection - upon the practical completion of all civil works with all disturbed areas satisfactorily restored.

9. Council's Public Domain Engineer is to undertake an inspection of the civil works at the following stages:

- a) Prior to commencement of works (pre-construction)
- b) Prior to backfilling of footpath slab
- c) Prior to any concrete pours for kerb and gutters, footpaths and/or drainage pits.
- d) Prior to placement of ,150mm(A28 R116 layer) and 50mm (AC14 R116 layer) for road pavement.

10. Inspection carried By Council Public Domain Engineer-For the purpose of inspections carried out by Council Public Domain Engineer ,the corresponding fees set out in Council's current *Fees and Charges Schedule* are payable to Council. A re-inspection fee per visit may be charged where work is unprepared at the requested time of inspection, or where remedial work is unsatisfactory and a further inspection is required. Engineering fees must be paid in full prior to inspection.

11. A compaction test Report – A compaction test Report prepared by a Geotechnical Engineer for the Footpath, Kerb & gutter and Road pavement works shall be submitted to Council . The applicant shall ensure compaction to 98% standard to AS1289 at +2% -0% optimum moisture content. The contractor shall provide the following documents relating to the asphalt mix that had been used and laid:

- Pavement temperature and weather conditions at the time of paving.
- Paving and compaction temperatures when placing the asphalt.
- Copy of the Asphalt Delivery docket.
- The temperature at which asphalt was delivered to the paver.
- The temperature at which initial compaction of the asphalt commenced; and For the entire stretch of the asphalt works completed.
- Asphalt mix documentation.
- Coring test results for the entire stretch of asphalt confirming that the required depth and compaction of the asphalt layer was achieved.

12. CCTV Report of Council Pipe System After Completion of the civil works- A qualified practitioner, with a certificate of attainment in NWP331A Perform Conduit Evaluation, shall undertake a closed circuit television (CCTV) inspection and then report on the condition of the all new stormwater pipes/pits after the completion of all stormwater works. The camera and its operation shall comply with the following: -

- A. The internal surface of the drainage pipe shall be viewed and recorded in clear and concise manner.
- B. The CCTV camera used shall be capable to pan, tilt and turning at right angles to the pipe axis over an entire vertical circle to view the conduit joints.
- C. Distance from the manholes shall be accurately measured and displayed on the video.
- D. All pipe joints and defects are to be inspected by stopping movement and panning the camera to fully inspect the joint and /or defect.
- E. The inspection survey shall be conducted from manhole to manhole.

The written report, together with a copy of the digital video footage of the pipeline shall be submitted to Council. Any damage that has occurred to the section of the pipeline since the commencement of any works on the site shall be repaired in full to the satisfaction of Council at no cost to Council, which may include full reconstruction. A written acknowledgment shall be obtained from Council (attesting to this condition being appropriately satisfied) and submitted to the Principal Certifying Authority.

13. Works-as Executed Drawings - Stormwater Drainage. To ensure the public infrastructure works are completed in accordance with the approved plans and specifications, and that the assets to be handed over to Council are accounted for inclusion in Council's Assets Register, Works-as-Executed Plans shall be submitted to Council for review and approval. The Works-as-Executed Plans are to be prepared on a copy of the approved plans and certified by a Registered Surveyor, and shall contain notations in red, all departures from the Council approved details. Any rectifications required by Council shall be completed by the Developer Prior to the commencement of the operation of the new schools.

14. Public Domain Works-as-Executed Plans - To ensure the public infrastructure works are completed in accordance with the approved plans and specifications, and that the assets to be handed over to Council are accounted for inclusion in Council's Assets Register, Works-as-Executed Plans shall be submitted to Council for review and approval. The Works-as-Executed Plans are to be prepared on a copy of the approved plans and certified by a Registered Surveyor, and shall contain notations in red, all departures from the Council approved details. Any rectifications required by Council shall be completed by the Developer Prior to the commencement of the operation of the new schools.

In addition to the WAE Plans, a list of all infrastructure assets (new and improved) that are to be handed over to Council shall be submitted in a form advised by Council. The list shall include all the relevant quantities in order to facilitate the registration of the assets in Council's Asset Registers.

15. Supervising Engineer Final Certificate - Prior to the commencement of the operation of the new schools, the Applicant shall submit to Council, a Final Certificate from the Supervising Engineer confirming that the public domain works have been constructed in accordance with the Council approved drawings and City of Ryde standards and specifications. The certificate shall include commentary to support any variations from the approved drawings.

16. Decommissioning of Ground Anchors - Prior to the commencement of the operation of the new schools, the Applicant shall provide Council a certificate from a suitably qualified Structural or Geotechnical Engineer confirming that any temporary soil/ground anchors installed into the public road reserve, have been decommissioned and are no longer transferring any structural loads into the road reserve stratum.

17. Utility Service Authorities- The developers/builders responsibly to ensure full compliance with the requirements of all utility service authorities including any required minimum clearances/relocation as per their requirements and specifications.

18. Restoration – Supervising Engineer's Certificate - Prior to the commencement of the operation of the new schools, the Applicant shall submit to Council a certificate from the Supervising Engineer confirming that the final restoration of disturbed road and footway areas for the purpose of connection to public utilities, including repairs of damaged infrastructure and replacement of any redundant vehicular crossings as a result of the construction works associated with this development site, have been completed in accordance with the Council's standards and specifications, and DCP2014 Part 8.5 *Public Civil Works*, or the Roads and Maritime Services' standards and specifications, where applicable.

19. Final Inspection Stormwater Assets Handover - For the purpose of the handover of the stormwater drainage assets to Council, a final inspection shall be conducted in conjunction with Council's Engineer from City Works Directorate following the completion of the stormwater drainage works. Defects found at such inspection shall be rectified by the Applicant prior to Council issuing the Compliance Certificate for the stormwater drainage works. Additional inspections, if required, shall be subject to fees payable in accordance with Council's Schedule of Fees & Charges at the time.

A minimum 48 hours' notice will be required when booking for the final inspection. Please contact Council's Customer Service Section on 9952 8222 to book an inspection.

20. Registered Surveyor Final Certificate – Upon completion of all public domain construction works and prior to the commencement of the operation of the new schools, a Certificate from a Registered Surveyor should be submitted to Council, stating that all civil works (above and below ground) are contained within the site's boundaries and no encroachment to Council's land occurred.

21. Final Inspection Assets Handover - For the purpose of the handover of the public infrastructure assets to Council, a final inspection shall be conducted in conjunction with Council's Engineer from City Works & Infrastructure Directorate following the completion of the external works. Defects found at such inspection shall be rectified by the Applicant prior to Council issuing the Compliance Certificate for the External Works. Additional inspections, if required, shall be subject to fees payable in accordance with Council's Schedule of Fees & Charges at the time.

A minimum 48 hours' notice will be required when booking for the final inspection.

22. A revised road safety audit of all new traffic facilities - A revised road safety audit of all the new as built traffic facilities including road widening, pedestrian crossings and shared user paths must be undertaken by a qualified road safety auditor at no cost to Council. The revised road safety audit reports are to be submitted to Council Prior to the commencement of the operation of the new schools. All applicable recommendations must be agreed with Council and addressed by the Applicant.

23. Compliance Certificate-Stormwater works - Prior to the commencement of the operation of the new schools, a compliance certificate shall be obtained from Council's City Works directorate confirming that all stormwater drainage works have been completed to Council's satisfaction and in accordance with the Council approved stamped drawings. The applicant shall be liable for the payment of the fee associated with the issuing of this certificate.

24. Compliance Certificate External Works - Prior to the commencement of the operation of the new schools, a compliance certificate shall be obtained from Council's City Works and Infrastructure confirming that all works in the road reserve including all public domain improvement works and restoration of infrastructure assets that have been dilapidated as a result of the development works, have been completed to Council's satisfaction and in accordance with the Council approved drawings. The applicant shall be liable for the payment of the fee associated with the issuing of this certificate.

25. A copy of the approved plans- A copy of the approved plans must be kept on-site at all times and be available to Council officer upon request. Variations will NOT be permitted from the approved plans and/or details without Council's prior consent in writing.

Please note the above does not negate the need to comply with other conditions of consent for SSD9343 and any subsequent modifications.

Please feel free to call me if you have any questions.

Warm Regards