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6 May 2021

Des Jennings  
General Manager  
Northern Midlands Council  
[planning@nmmc.tas.gov.au](mailto:planning@nmmc.tas.gov.au)

Dear Mr Jennings

### Planning exemption request for road upgrades in Campbell Town

With regard to the above matter, I can advise that the Department of State Growth intend to carry out upgrades to the road network in Campbell Town. These upgrades include a new pedestrian underpass in High Street (adjacent the sports club) and a new footpath on the eastern side of Bridge Street. The proposed plans for the upgrades are enclosed. We do not anticipate that the underpass will impact Council's future slip lane design in this area but this can only be confirmed once we receive the slip lane design (further discussions can occur to ensure compatibility).

Under Northern Midlands Interim Planning Scheme 2013, the proposed road upgrades are not subject to the requirements of a code relating to historic heritage values or significant trees.

Under Interim Planning Directive No. 4, the Minister for Planning brought forward planning exemptions from the State Planning Provisions. The Directive was prepared by the Department of Justice's Planning Policy Unit, became effective on 22 February 2021 and now applies to the Northern Midlands Interim Planning Scheme 2013. A copy of the Directive is enclosed for Council's information.

The Directive includes Clause 5.2.4, which provides an exemption for road upgrades to occur without requiring a planning permit. Specifically, Clause 5.2.4 provides the exemption for the following road works:

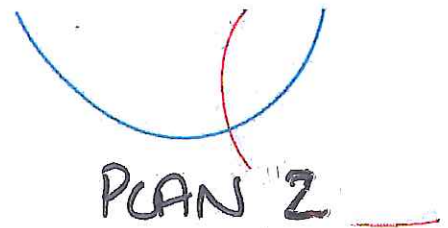
*Maintenance and repair of roads and upgrading by or on behalf of the road authority which may extend up to 3m outside the road reserve including:*

- a) *widening or narrowing of existing carriageways;*
- b) *making, placing or upgrading kerbs, gutters, footpaths, shoulders, roadsides, traffic control devices, line markings, street lighting, safety barriers, signs, fencing and landscaping, unless a code relating to historic heritage values or significant trees applies and requires a permit for the use or development; or*
- c) *repair of bridges, or replacement of bridges of similar size in the same or adjacent location.*

From our analysis and discussions with Sean McPhall, Assistant Director, Planning Policy Unit, who reviewed the plans and provided us with advice, we have ascertained that:

- the exemption provided by Clause 5.2.4 applies to both the use and development of road works, for the purposes outlined in the clause;
- while the footpath in Bridge Street is definitely exempt under point b), the examples outlined at points a), b) and c) are not meant to be an exhaustive list and it is reasonable to also consider that the proposed pedestrian underpass is a road upgrade which can be deemed exempt; and
- only Council can determine if the proposal is exempt under Clause 5.2.4 or requires a planning permit.

Given the above matters, we would be very grateful if Council can advise if the proposed road upgrades contained in the enclosed plans are exempt from requiring a planning permit, subject to compatibility with Council's future slip lane.

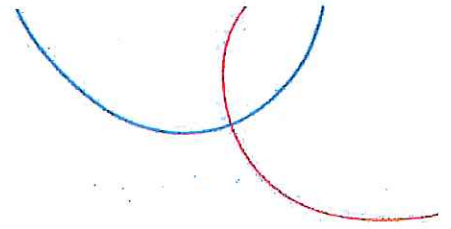


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Yours sincerely

Handwritten signature of Doug Fotheringham in blue ink.

Doug Fotheringham

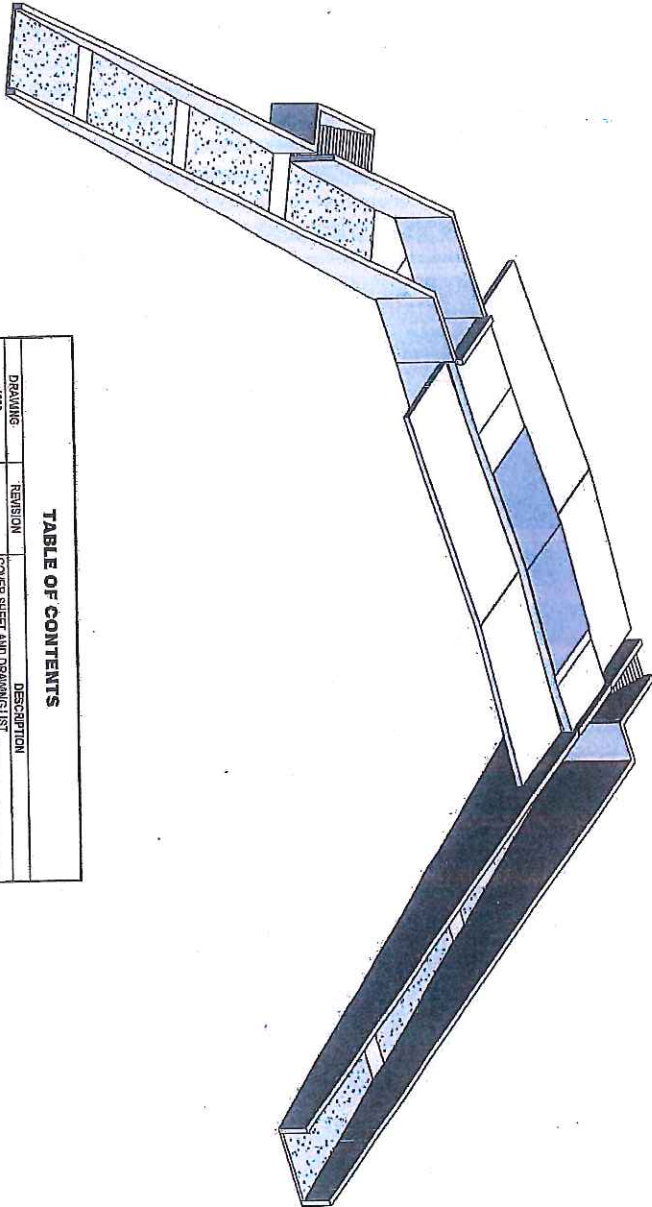
**Senior Planning & Economic Development Consultant**

**pitt&sherry**

Enc. Proposed Plans

Interim Planning Directive No. 4

# DEPARTMENT OF STATE GROWTH CAMPBELL TOWN PEDESTRIAN UNDERPASS

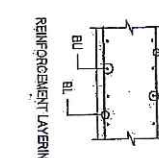


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|---------|----------|------------------------------|
| 1000    |          | COVER SHEET AND DRAWING LIST |
| 1001    |          | STRUCTURAL NOTES             |
| 1002    |          | STRUCTURAL NOTES             |
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|--|-----------------------|---------------------|------|---|----------|-----------|-----|
| No.  | Amendment Description | [Initials]          | Date | Candidate System  | Map Zone | Map Date  | ADD |
| <p style="text-align: center;">SCALES<br/>NOT TO SCALE</p>   |                       |                     |      |   |          |           |     |
| <p style="text-align: center;">DESIGNED BY<br/><b>pit&amp;sherry</b></p>                                 |                       |                     |      | <p style="text-align: center;">REVIEWED BY<br/>.....</p>        |          |           |     |
| <p style="text-align: center;">Department of State Growth<br/>CAMPBELL TOWN<br/>PEDESTRIAN UNDERPASS</p> |                       |                     |      | <p style="text-align: center;">COVER SHEET AND DRAWING LIST</p> |          |           |     |
| Contract No.   |                       | DRAWING             |      | PRINTED DATE  |          | SHEET No. |     |
|  |                       | P21/0028-5/000      |      | 20/10/2017 12:32 PM   |          | 1000      |     |
|  |                       | REGISTRATION NUMBER |      |   |          | REVISION  |     |

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| <p><b>GENERAL</b></p> <p>61. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION, SUPPLEMENTAL SPECIFICATIONS AND RELEVANT ENGINEERING SERVICES DOCUMENTS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED.</p> <p>62. ALL DIMENSIONS SHOWN SHALL BE VERIFIED ON SITE. ENGINEER'S DIMENSIONS MUST NOT BE SCALE.</p> <p>63. DURING CONSTRUCTION THE RESPONSIBLE CONTRACTOR SHALL MAINTAIN THE STRUCTURE IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.</p> <p>64. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION.</p> <p>65. UNLESS OTHERWISE NOTED ALL DIMENSIONAL UNITS ARE IN METERS EXCEPT FOUNDATION LEVELS AND DISTANCES (CALCULATED WITHIN THESE METERS).</p> <p>66. ALL COORDINATES ARE IN METERS UNO.</p> <p>67. UNO DIMENSIONS WHICH THE KTO OR OTHERWISE RELATE TO EXISTING STRUCTURES SHALL BE VERIFIED ON SITE PRIOR TO THE START OF CONSTRUCTION BY THE CONTRACTOR.</p> <p>68. SITE SET-OUT IS BASED ON THE SITE SURVEY UNDERTAKEN BY XXXX SURVEYORS.</p> <p>69. ANY DISCREPANCIES WITHIN PROJECT DOCUMENTATION SHALL BE REFERRED TO THE SUPERINTENDENT FOR RESOLUTION.</p>  | <p><b>EXCAVATION AND BACKFILL</b></p> <p>61. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SITE GEO-TECHNICAL INVESTIGATION.</p> <p>62. ALL EXCAVATION SHALL BE CARRIED OUT IN SUCH A MANNER AS TO PRESENT UNDESIRABLE CONDITIONS AT THE INTERSECT OF FOOTINGS AND/OR THE CONJECTURE FOR AS APPROPRIATE.</p> <p>63. ALL FOOTINGS SHALL BE CONSTRUCTED ON UNDISTURBED OR COMPACTED FILL FOUNDATION MATERIAL WITH A SAVE BEARING CAPACITY AS SHOWN IN FOUNDATIONS NOTE PT AND TO THE APPROVAL OF THE ENGINEER.</p> <p>64. IF FOOTING EXCAVATIONS ARE LOWER THAN THOSE SHOWN ON DESIGN DRAWINGS, THE OVER EXCAVATION SHALL BE BACKFILLED WITH COMPACTED FOUNDATION MATERIAL AS PER NOTE TEST ABOVE.</p> <p>65. FINISHED EARTHWORK SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL AND 1 VERTICAL UNO.</p> <p>66. APPROVED BATTERED MATERIAL SHALL BE PLACED UNUSUALLY AROUND ALL EXCAVATIONS TO BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION.</p> | <p><b>FOUNDATION</b></p> <p>F1. FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1000KPa AT FOUNDATION LEVELS UNO. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL OF THE FOUNDATION MATERIAL BEFORE PLACING CONCRETE.</p> <p>F2. REFER ALSO TO THE GEO-TECHNICAL REPORT XXXX PREPARED BY XXXX LTD.</p> <p>F3. AFTER EXCAVATION ENSURE THAT ALL LOOSE GRAVEL, SOIL OR DEBRIS IS REMOVED BEFORE POURING CONCRETE.</p> <p>F4. IN ALL EXCAVATIONS FOR FOOTINGS &gt; 400 MM DEEP PLACE BUILDING CONCRETE IN A SEPARATE POUR, MINIMUM 65 THICK.</p> <p>F5. REINFORCING CONCRETE SLABS ON GRADE HAVE BEEN DESIGNED FOR A SLAB REINFORCEMENT = 8%.</p> |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
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| <p><b>CONCRETE</b></p> <p>C1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATION AND ASSUM. USE GENERAL PURPOSE CEMENT AND NORMAL WEIGHT AGGREGATES UNO. DO NOT USE ADJUSTERS WITHOUT APPROVAL.</p> <p>C2. CONCRETE QUALITY SHALL BE AS FOLLOWS (UNO):</p> <table border="1" data-bbox="1197 1164 1356 1612"> <thead> <tr> <th>ITEM</th> <th>CHARACTERISTIC CONCRETE STRENGTH (to MPa)</th> </tr> </thead> <tbody> <tr> <td>GENERAL</td> <td>40</td> </tr> <tr> <td>PAV AND STRIP FOOTINGS</td> <td>50</td> </tr> <tr> <td>PRECAST CONCRETE</td> <td>50</td> </tr> <tr> <td>IN-SITU ROOF SLAB</td> <td>50</td> </tr> </tbody> </table> <p>UNLESS SPECIFIED UNDESIGNED TO ASSET1 ALL REINFORCEMENT ON THIS PROJECT IS DESIGNATION: MESH - SQUARE GRID</p> <p>C3. MESH:</p> <table border="1" data-bbox="1197 1635 1356 2060"> <thead> <tr> <th>TYPE</th> <th>TO ASSET1</th> <th>TO ASSET2</th> <th>TO ASSET3</th> <th>TO ASSET4</th> <th>TO ASSET5</th> </tr> </thead> <tbody> <tr> <td>MESH - SQUARE GRID</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> </tr> <tr> <td>MESH - RECTANGULAR GRID</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> </tr> <tr> <td>PLAIN MESH</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> </tr> <tr> <td>DEFORMED BARS</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> </tr> <tr> <td>DEFORMED BARS</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> <td>D200L TO ASSET1</td> </tr> </tbody> </table> <p>DESIGNATION EXAMPLE:</p> <table border="1" data-bbox="1197 2083 1356 2240"> <thead> <tr> <th>SLAB REINFORCING MESH</th> <th>D200L 4 NO 12 DIA. REB'D BARS AT 200 CHS</th> </tr> </thead> <tbody> <tr> <td>44/27M TRENCH MESH</td> <td>250M 4 NO 10 DIA. BARS AT 200 CHS</td> </tr> <tr> <td>44/4-200 PLAIN BARS</td> <td>250M 4 NO 12 DIA. BARS AT 200 CHS</td> </tr> <tr> <td>44/4-200 DEFORMED BARS</td> <td>250M 4 NO 12 DIA. BARS AT 200 CHS</td> </tr> <tr> <td>44/4-200 T DEFORMED BARS</td> <td>250M 4 NO 12 DIA. BARS AT 200 CHS TOP</td> </tr> </tbody> </table> <p>NOTE: NUMBER OF STACKING SPECIFIED - OTHERWISE NOT SHOWN</p> <p>CLEAR COVER TO REINFORCEMENT INCLUDING HATCHES SHALL BE AS FOLLOWS:</p> <table border="1" data-bbox="1372 1164 1468 1612"> <thead> <tr> <th>CASE</th> <th>MINIMUM CLEAR COVER</th> </tr> </thead> <tbody> <tr> <td>CAST AGAINST BUILDING OR FORMWORK</td> <td>50</td> </tr> <tr> <td>CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE</td> <td>50</td> </tr> <tr> <td>CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE</td> <td>50</td> </tr> <tr> <td>CAST AGAINST EXPOSED CONCRETE</td> <td>50</td> </tr> <tr> <td>TOP COVER TO CONCRETE</td> <td>50</td> </tr> </tbody> </table> <p>SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF ANY APPLIED FINISHES.</p> <p>C4. BEAM DEPTHS ARE NOTED FIRST AND INCLUDE THE THICKNESS OF THE SLAB IF ANY. CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE : 50</p> <p>C5. TO THE APPROVAL OF THE ENGINEER, JOINTS TO BE SEALED WITH WATERTIGHT 200 OR EQUIVALENT.</p> <p>C6. FORMS SHALL BE CHALLENGED FOR REACTION ANGLES AND ALL TIED FOR CONCRETE WHERE THESE WILL BE EXPOSED TO BE IN THE COMPLETED PROJECT. THE FACE OF THE BEAM IN EXPOSURE SHALL BE 200 UNO.</p> <p>C7. NO HOLES, CHASES OR EMBEDMENTS OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.</p> <p>C8. NO ALLOWANCE HAS BEEN MADE FOR STAYED MATERIALS ON THE CONCRETE STRUCTURE UNO.</p> <p>C9. CONCRETE FOR FINISH SHALL BE MONOLITHIC, STEEL TROWEL FINISH IN TENSIL AND EXPOSED FINISH EXTERNAL UNO.</p> <p>C10. NO REINFORCEMENT SPLICES SHALL BE MADE IN POSITIONS OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.</p> <p>C11. UNIFORM LAP FOR FIBERS SHALL BE 200 TRANVERSE UNITS PLUS 25 MINIMUM LAP LENGTHS FOR DEFORMED BARS SHALL BE IN ACCORDANCE WITH AS 3600 UNO.</p> <p>C12. WELDING OF REINFORCEMENT IS NOT PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER.</p> <p>C13. TOP AND BOTTOM REINFORCEMENT IN SLABS SHALL BE SUPPORTED ON APPROVED PLASTIC TIEED CHAIRS, IN BOTH DIRECTIONS AT MAXIMUM CENTER OF 750 FOR 20 DIA. BARS.</p> <p>C14. ALL FORMWORK AND PROPS UNDER SUPERIMPOSED CONCRETE WORK SHALL BE REMOVED BEFORE ANY BRICKWORK OR BLOCKWORK IS LAID ABOVE.</p> | ITEM  | CHARACTERISTIC CONCRETE STRENGTH (to MPa)   | GENERAL                         | 40                              | PAV AND STRIP FOOTINGS | 50  | PRECAST CONCRETE | 50  | IN-SITU ROOF SLAB | 50  | TYPE | TO ASSET1 | TO ASSET2 | TO ASSET3 | TO ASSET4 | TO ASSET5 | MESH - SQUARE GRID | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | MESH - RECTANGULAR GRID | D200L TO ASSET1 | D200L TO ASSET1   | D200L TO ASSET1  | D200L TO ASSET1 | D200L TO ASSET1 | PLAIN MESH | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | DEFORMED BARS | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | DEFORMED BARS | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | D200L TO ASSET1 | SLAB REINFORCING MESH | D200L 4 NO 12 DIA. REB'D BARS AT 200 CHS | 44/27M TRENCH MESH | 250M 4 NO 10 DIA. BARS AT 200 CHS | 44/4-200 PLAIN BARS | 250M 4 NO 12 DIA. BARS AT 200 CHS | 44/4-200 DEFORMED BARS | 250M 4 NO 12 DIA. BARS AT 200 CHS | 44/4-200 T DEFORMED BARS | 250M 4 NO 12 DIA. BARS AT 200 CHS TOP | CASE | MINIMUM CLEAR COVER | CAST AGAINST BUILDING OR FORMWORK | 50 | CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE | 50 | CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE | 50 | CAST AGAINST EXPOSED CONCRETE | 50 | TOP COVER TO CONCRETE | 50 | <p><b>CONCRETE REINFORCEMENT ABBREVIATIONS</b></p> <p>OP - GENERALLY PLACED</p> <p>EP - EACH FACE</p> <p>BP - BOTTOM FACE</p> <p>NP - NEAR FACE</p> <p>FP - FACE</p> <p>LV - LENGTH VARIES</p> <p>BL - BOTTOM REINFORCEMENT</p> <p>BT - BOTTOM REINFORCEMENT UPPER LEVEL</p> <p>BU - TOP REINFORCEMENT LOWER LEVEL</p> <p>TL - TOP REINFORCEMENT UPPER LEVEL</p>  | <p><b>DESIGN LOADS</b></p> <p>L1. WIND LOADS RELATE TO THE AS/NZS 1170.2 DESIGN WIND SPEED FOR ULTIMATE STRENGTH LIMIT STATE (V40) = 34.0 m/s (VARIES DEPENDING ON HEIGHT), NOTING THE FOLLOWING:</p> <p>L2. DESIGN CATEGORY '1' C2S</p> <p>L3. IMPROVANCE LEVEL 2.</p> <p>L4. DESIGN SERVICE LIFE 50 YRS</p> <p>L5. REGION A3.</p> <p>L6. EQUIPMENT LOADS</p> <p>L7. EQUIPMENT SLAB SPACINGS ASSUMED 2.0 MPa</p> <p>L8. STANDARD TRUCK AXLE LOAD ASSUMED 160 kN</p> <p>L9. MOBILE CRANE IS SHOWN, EXERCISE CARE FROM TRAVELLING AT 2.5 m/min MAX.</p> <p>REFER TO THE DESIGN REPORT FOR DESIGN LOADS.</p> |
| ITEM   | CHARACTERISTIC CONCRETE STRENGTH (to MPa)   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| GENERAL  | 40  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| PAV AND STRIP FOOTINGS   | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| PRECAST CONCRETE   | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| IN-SITU ROOF SLAB  | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| TYPE   | TO ASSET1   | TO ASSET2   | TO ASSET3                       | TO ASSET4                       | TO ASSET5              |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| MESH - SQUARE GRID   | D200L TO ASSET1   | D200L TO ASSET1   | D200L TO ASSET1                 | D200L TO ASSET1                 | D200L TO ASSET1        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| MESH - RECTANGULAR GRID  | D200L TO ASSET1   | D200L TO ASSET1   | D200L TO ASSET1                 | D200L TO ASSET1                 | D200L TO ASSET1        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| PLAIN MESH   | D200L TO ASSET1   | D200L TO ASSET1   | D200L TO ASSET1                 | D200L TO ASSET1                 | D200L TO ASSET1        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| DEFORMED BARS  | D200L TO ASSET1   | D200L TO ASSET1   | D200L TO ASSET1                 | D200L TO ASSET1                 | D200L TO ASSET1        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| DEFORMED BARS  | D200L TO ASSET1   | D200L TO ASSET1   | D200L TO ASSET1                 | D200L TO ASSET1                 | D200L TO ASSET1        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| SLAB REINFORCING MESH  | D200L 4 NO 12 DIA. REB'D BARS AT 200 CHS  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| 44/27M TRENCH MESH   | 250M 4 NO 10 DIA. BARS AT 200 CHS   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| 44/4-200 PLAIN BARS  | 250M 4 NO 12 DIA. BARS AT 200 CHS   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| 44/4-200 DEFORMED BARS   | 250M 4 NO 12 DIA. BARS AT 200 CHS   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| 44/4-200 T DEFORMED BARS   | 250M 4 NO 12 DIA. BARS AT 200 CHS TOP   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| CASE   | MINIMUM CLEAR COVER   |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| CAST AGAINST BUILDING OR FORMWORK  | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| CAST AGAINST GROUND NOT PROTECTED BY WATERPROOF MEMBRANE   | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
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| CAST AGAINST EXPOSED CONCRETE  | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| TOP COVER TO CONCRETE  | 50  |   |                                 |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
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| M12  | 365   | 390   | 500                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M16  | 630   | 720   | 920                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M20  | 850   | 920   | 1150                            |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M25  | 1100  | 1000  | 1450                            |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M32  | N/A   | N/A   | N/A                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
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| M12  | 365   | 390   | 500                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M16  | 630   | 720   | 920                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M20  | 850   | 920   | 1150                            |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M25  | 1100  | 1000  | 1450                            |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |
| M32  | N/A   | N/A   | N/A                             |                                 |                        |     |                  |     |                   |     |      |           |           |           |           |           |                    |                 |                 |                 |                 |                 |                         |                 |   |  |                 |                 |            |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |               |                 |                 |                 |                 |                 |                       |  |                    |                                   |                     |                                   |                        |                                   |                          |                                       |      |                     |                                   |    |  |    |  |    |                               |    |                       |    |   |  |

Department of State Growth  
CAMPBELL TOWN  
PEDESTRIAN UNDERPASS

pit&shery  
Tasmanian Government

DESIGNED BY  
REVIEWED BY

SCALE 1:100

CONTRACT NO. P.21.0023-S101  
DRAWING NO. Z18/2021/2233 PM  
REGISTRATION NUMBER

SHEET NO. 1001  
REVISION:

STRUTURAL NOTES  
SHEET 1 OF 2

STRUCTURAL STEELWORK

- S1. ALL STEEL STEELWORK CONNECTIONS AND CONNECTION PROTECTION OF STEELWORK SHALL BE IN ACCORDANCE WITH THE NOTES, SPECIFICATION AND ASSUM.
- S2. ALL STEELWORK SHALL BE GRADE 50 EXCEPT USE GRADE 50 FOR COLD FORMED LIGHT GAUGE SECTIONS, GRADE 50 FOR HOLLOW SECTIONS, AND GRADE 50 FOR HOT ROLLED SECTIONS, UNO.
- S3. BOLT TYPES SHALL BE AS FOLLOWS:  
 S3a. HEAVY END BOLT TO ASTM A1414, SLUG TIGHTENED BILTS  
 S3b. HIGH STRENGTH STRUCTURAL BOLTS WITH SOLE WELTS AND HIGH STRENGTH STRUCTURAL BOLTS AS ABOVE FULLY TENSIONED TO 85% IN A BEARING TYPE JOINT FULLY HIGH STRENGTH STRUCTURAL BOLTS TYPE C AND WITH TENSILE SURFACES LEFT UNCOATED UNO.  
 BOLTS SHALL BE A563 UNLESS NOTED OTHERWISE  
 DESIGNATION EXAMPLE: 6x20 8.8S.
- S4. ALL CONNECTIONS SHALL BE SHOP DETAIL IN ACCORDANCE WITH THE SPECIFIED CONNECTIONS AND EACH OF THE STEELWORK DRAWINGS. CONNECTIONS SHALL BE IN ACCORDANCE WITH THE STANDARD CONNECTION DETAIL DRAWINGS UNLESS NOTED OTHERWISE ON THE DRAWING DRAWINGS.
- S5. ALL DETAILS GAUGE LINE ETC. WHERE NOT SPECIFICALLY SHOWN ARE TO BE IN ACCORDANCE WITH AISC DESIGN MANUAL PART 13 FOR STRUCTURAL STEEL AND AISC STANDARD CONNECTIONS.
- S6. THE MINIMUM CONNECTION REQUIREMENTS SHALL BE AS FOLLOWS:  
 S6a. PURLINS AND GIRTS - 2 PLAYS OR 2 MG 4.6S BOLTS WITH A 8 PLATE CLAY UNO  
 S6b. SECTIONS < 20 DEEP - 2 MG 8.8S BOLTS WITH A 10 PLATE CLAY UNO  
 S6c. SECTIONS < 20 DEEP - 2 MG 8.8S BOLTS WITH A 10 PLATE CLAY UNO
- S7. BOLT HOLES IN STEEL TO STEEL AND STEEL TO CONCRETE CONNECTIONS SHALL BE BOLT DIAMETER PLUS 3/16 IN. AND BOLT DIAMETER PLUS 5/16 IN. FOR BASE PLATES UNO.
- S8. ALL HOLDING DOWN BOLTS SHALL BE EITHER COMMERCIAL BOLTS OR BE MADE FROM MIL STD STEEL BARS WITH A MINIMUM 9Y-250 MPa UNO.
- S9. GAX ELECTRODES SHALL BE USED FOR ALL WELDS ON GRADES STEELWORK. EXACT ELECTRODES SHALL BE ELECTRODES ON GRADES 50 STEELWORK. LOW HYDROGEN ELECTRODES ARE RECOMMENDED.
- S10. WELDS SHALL BE CFW (UNO) CATEGORY STYAS DERIVED IN A5154.1 REFER TO THE DRAWINGS FOR WELD CATEGORY LOCATIONS.
- S11. BUTT WELDS WHERE INDICATED SHALL BE QUALITY INTERPENETRATING WELDS AS DERIVED IN A5154.1 UNO.
- S12. TESTING OF WELDS SHALL BE IN ACCORDANCE WITH SPECIFICATION.
- S13. HOT DIP GALVANISE STEELWORK WHERE NOTED ON THE DRAWINGS, HOT DIP GALVANISING SHALL BE IN ACCORDANCE WITH A548.0.
- S14. HOT DIP GALVANISED STEEL SHALL BE SITUALLY PREPARED FOR GALVANISING. THE PREPARATION SHALL INCLUDE GBT BLASTING TO CLASS 2.5, A51627.4.
- S15. FABRICATION OF STRUCTURAL STEEL ELEMENTS TO BE HOT DIPPED GALVANISED MUST TAKE INTO ACCOUNT THE RECOMMENDATIONS OF ASSOCIATED APPENDIX A. ALL FULLY SPALD HOLLOW OR BOX SECTIONS CONTAINING TO BE GALVANISED AREAS MUST BE WANTED NEAR BENT AND WELDED JOINTS TO BE GALVANISED. THE MINIMUM DIMENSION FOR WELDED JOINTS TO BE 1.60 FOR LASER MEASURES VENTING DETAILS SHALL BE PROVIDED BY THE GALVANISER FOR THE APPROVAL OF THE ENGINEER PRIOR TO GALVANISING.
- S16. ALL STEELWORK BELOW GROUND SHALL BE ENCASED BY CONCRETE 75 MM ALL ROUND.
- S17. PRIOR TO BOLTING PLATES AGAINST OR STEEL WELDING PLATES TO EXISTING STEELWORK ALL CONTACT AREAS SHALL HAVE CORROSION AND EXISTING LOOSE PAINT ETC REMOVED TO EXPOSE CLEAN BASE METAL. THIS SHALL BE ACHIEVED WITH A PROCESS TO MATCH THE NEW STEELWORK. THIS IS PRACTICALLY FEASIBLE.
- S18. ALL BOLTS SHALL BE HOT DIP GALVANISED UNO.
- S19. AFTER TIGHTENING, EXPOSED PORTIONS OF NUTS, BOLTS AND WASHERS SHALL BE PREPARED AND COATED AS DESCRIBED IN A51627.4 FOR ADJACENT WORK.

STRUCTURAL STEELWORK (CONTINUED)

- S20. THE CONTRACTOR SHALL PREPARE AND SUBMIT A COPIES OF ALL WORKSHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. APPROVAL SHALL NOT COMMENCE UNTIL APPROVAL HAS BEEN OBTAINED.
- S21. REFER TO THE SPECIFICATION FOR PREPARATION, PAINTING AND FINISH COATS. NO EXTERNAL STEELWORK IF NO SPECIFICATION IS AVAILABLE ALLOW TO PREPARE THE STEELWORK BY CLEANING WITH POWER TOOLS TO A51627.2 AND PROTECT WITH ONE COAT OF ZINC PHOSPHATE PRIMER (MIN 50 MICRONS DFT) UNO.

SITE SAFETY

- S31. ALL WORK SITES CAN BE POTENTIALLY HAZARDOUS TO PEOPLE, PROPERTY AND EQUIPMENT. ALL PEOPLE WHO ARE AUTHORIZED TO BE ON A WORK SITE MUST CAREFULLY READ, UNDERSTAND AND ADHERE TO ALL SAFETY WORK PROCEDURES FOR ALL REQUIRED ACTIVITIES.
- S32. CURRENT LEGISLATION:  
 THE CONTRACTOR REQUIRES THAT ALL PERSONS ARE TO CONSIDER THEIR OWN SAFETY AND THE SAFETY OF OTHERS AND THAT OF THE PUBLIC.
- S33. THE CONTRACTOR SHALL ABIDE WITH AND IS BOUND BY THE CURRENT SAFE WORK AUSTRALIA ACT, REGULATIONS AND CODES. THE CONTRACTOR SHALL BE STATE GOVERNMENT AND EMPLOYER RESPONSIBILITY DOCUMENTS AND MAINTAINANCE OF SAFETY PROCEDURES AND OTHER RELEVANT DOCUMENTATION. THE CONTRACTOR SHALL ENSURE THAT ALL SUB CONTRACTORS AND OTHER AUTHORIZED PEOPLE COMPLY WITH THE ABOVE.
- S34. THE CONTRACTOR SHALL BE ALERT AND PROACTIVE TO IDENTIFY HAZARDS AND MANAGE THE ASSOCIATED RISKS TO ELIMINATE THEM OR MINIMISE THEM TO AN ACCEPTABLE RISK LEVEL.
- S35. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IF THERE IS ANY PERCEIVED RISK RELATING TO THE DESIGN OR CONSTRUCTION OF THE DESIGN. ALL TEMPORARY STRUCTURAL WORKS.
- S36. THE CONTRACTOR SHALL ENGAGE WITH THE SUB CONTRACTOR AND OTHER PROCESSES AND OTHER ACTIVITIES.
- S37. SUB CONTRACTORS AND OTHER AUTHORIZED PEOPLE SHALL PROVIDE DOCUMENTATION ABOUT THEIR RISK ASSESSMENTS AND RISK MITIGATION.
- S38. PUBLIC SAFETY:  
 THE CONTRACTOR HAS WORK UNDERWAY OR IS UNATTENDED HAS A STRONG OBLIGATION TO THE PUBLIC IN GENERAL. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED PEOPLE ENTERING THE SITE. EXCAVATIONS, STRUCTURES AND ACCESS EQUIPMENT SHALL BE LEFT IN A SECURE MANNER AS IS REASONABLY PRACTICABLE TO PREVENT ANY UNAUTHORIZED PEOPLE FROM ENTERING EQUIPMENT OR OTHER DANGERS. THE CONTRACTOR SHALL HAVE CLEAR WARNING SIGNS AND BARRIERS AND WHEN UNATTENDED LEFT IN A LOCKED CONDITION AS IS REASONABLY PRACTICABLE.  
 SPECIFIC ATTENTION SHALL BE PAID TO RISKY ACTIVITIES INCLUDING BUT NOT LIMITED TO:  
 SITE ESTABLISHMENT  
 DEMOLITION, RECYCLING AND REMOVAL  
 TEMPORARY WORKS  
 EXCAVATION AND TRENCHING - LISTABLE GROUND.  
 REMOVAL OF MATERIALS  
 WELDING - HOT PROCESSES  
 TRIPS AND FALLS (GENERAL)  
 LISTABLE TEMPORARY FOOTINGS  
 WORKING AT HEIGHT.

SAFETY IN DESIGN (SID)

- S39. SID GENERALLY:  
 THE CONTRACTOR HAS BEEN DESIGNED TO ELIMINATE HAZARDS TO HEALTH AND SAFETY WHEREVER POSSIBLE. WHERE THIS HAS NOT BEEN POSSIBLE THE RISK TO HEALTH AND SAFETY OF PERSONS HAS BEEN MINIMISED TO BE REASONABLY PRACTICABLE FOR THE 60 YEAR DESIGN LIFE OF THE WAREHOUSE STRUCTURE.
- S40. WORK HEALTH AND SAFETY:  
 THE CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION OF THIS PROJECT IS CARRIED OUT WITH ANY SAFETY IN THE WORKPLACE LEGISLATION APPLICABLE IN THE STATE IN WHICH THE WORK IS CARRIED OUT.
- S41. IDENTIFY HAZARDS:  
 THE CONTRACTOR SHALL TAKE EVERY EFFORT TO ENSURE THAT ALL PERSONS WHO ENTER THE CONSTRUCTION SITES ARE AWARE ABOUT THE RISK OF HAZARDS AND BE INFORMED AND CEARLY DETERMINED. THE CORRECT LEVEL OF TRAINING SHALL BE HANDOVER BEFORE ANY PERSON ENTERS THE CONSTRUCTION AREA. ALL PERSONS SHALL WEAR THE APPROPRIATE SAFETY PROTECTION APPAREL SPECIFIED BY THE CONTRACTOR BEFORE ENTERING THE SITE. A QUALIFIED GUIDE SHALL ACCOMPANY ALL NEW CONSTRUCTION WORKERS DURING THEIR INTRODUCTION AND ALL SITE VISITORS WHILE ON THE SITE.
- S42. STABILITY OF THE STRUCTURE:  
 TEMPORARY MEASURES ARE REQUIRED DURING CONSTRUCTION AND DEMOLITION TO ENSURE THE STABILITY OF THE STRUCTURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND THE CONTRACTORS ERECTION DESIGN ENGINEER TO TAKE ALL MEASURES NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY DURING ALL PHASES OF DESIGN AND CONSTRUCTION. TEMPORARY SUPPORTS IS DESIGNED TO BE NECESSARY.
- S43. TEMPORARY SUPPORT REQUIRED:  
 SOIL AND ROCK EXCAVATION  
 CONCRETE FORMWORK TO FACILITATE CONCRETE PLACEMENT  
 PRECAST CONCRETE WORK  
 STRUCTURAL STEEL FRAMING  
 TIMBER FRAMING  
 STAYED OR OTHER  
 STABILITY OF THE EXISTING STRUCTURE.
- S44. SPECIALIST CONTRACTOR:  
 SOME ACTIVITIES REQUIRED TO BE CARRIED OUT DURING THE CONSTRUCTION ARE NOT CONSIDERED TO BE NORMAL BUILDING PRACTICE. THEREFORE ENGAGEMENT OF A SPECIALIST CONTRACTOR IS EXPECTED TO BE NECESSARY FOR THE FOLLOWING ACTIVITIES, BUT NOT LIMITED TO:  
 LIFTING AND PLACEMENT OF HEAVY ELEMENTS  
 USE OF HAZARDOUS MATERIALS  
 DEMOLITION WORKS  
 LAYING MASS CONCRETE BLOCKS  
 ACCESS ISSUES WORK, FLATWORK, STAYS, FALL ARREST SYSTEMS AND DRILLING  
 ANCHOR INSTALLATION  
 WORK NEAR LIVE EQUIPMENT, INCLUDING ELECTRICAL EQUIPMENT.

STEELWORK ABBREVIATIONS

ALL DRAWING ABBREVIATIONS CONFORM TO A514.0 AND A514.1 UNO.

ADDITIONAL ABBREVIATIONS ARE:

|              |                                       |
|--------------|---------------------------------------|
| BS           | BOTH SIDES                            |
| CFW          | CONTINUOUS                            |
| CONS         | CONTINUOUS                            |
| MS           | MILD STEEL                            |
| PL           | PLATE                                 |
| FW           | FULL STRENGTH BUTT WELD (CATEGORY 6F) |
| TOP          | TOP OF STEEL                          |
| TOP OF PLATE | TOP OF PLATE                          |
| TOP OF GRADE | TOP OF GRADE                          |

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| SCALES<br>1:100  |  | DESIGNED: <b>Pitt &amp; Sherry</b><br><small>MEMBER OF THE<br/>ARCHITECTS BOARD OF AUSTRALIA</small> |  | REVIEWED: .....                  |  |
| Department of State Growth<br>CAMPELL TOWN<br>PEDESTRIAN UNDERPASS |  | SHEET 2 OF 2<br>STRUCTURAL NOTES   |  | DRAWINGS<br>P21.002A.1/2/3/4.PLA |  |
| CONTRACT NO.   |  | PRINTED DATE   |  | SHEET NO.<br><b>1002</b>         |  |
| REGISTRATION NUMBER  |  | ZPL/08/21/25/31.PLA  |  | REVISION                         |  |

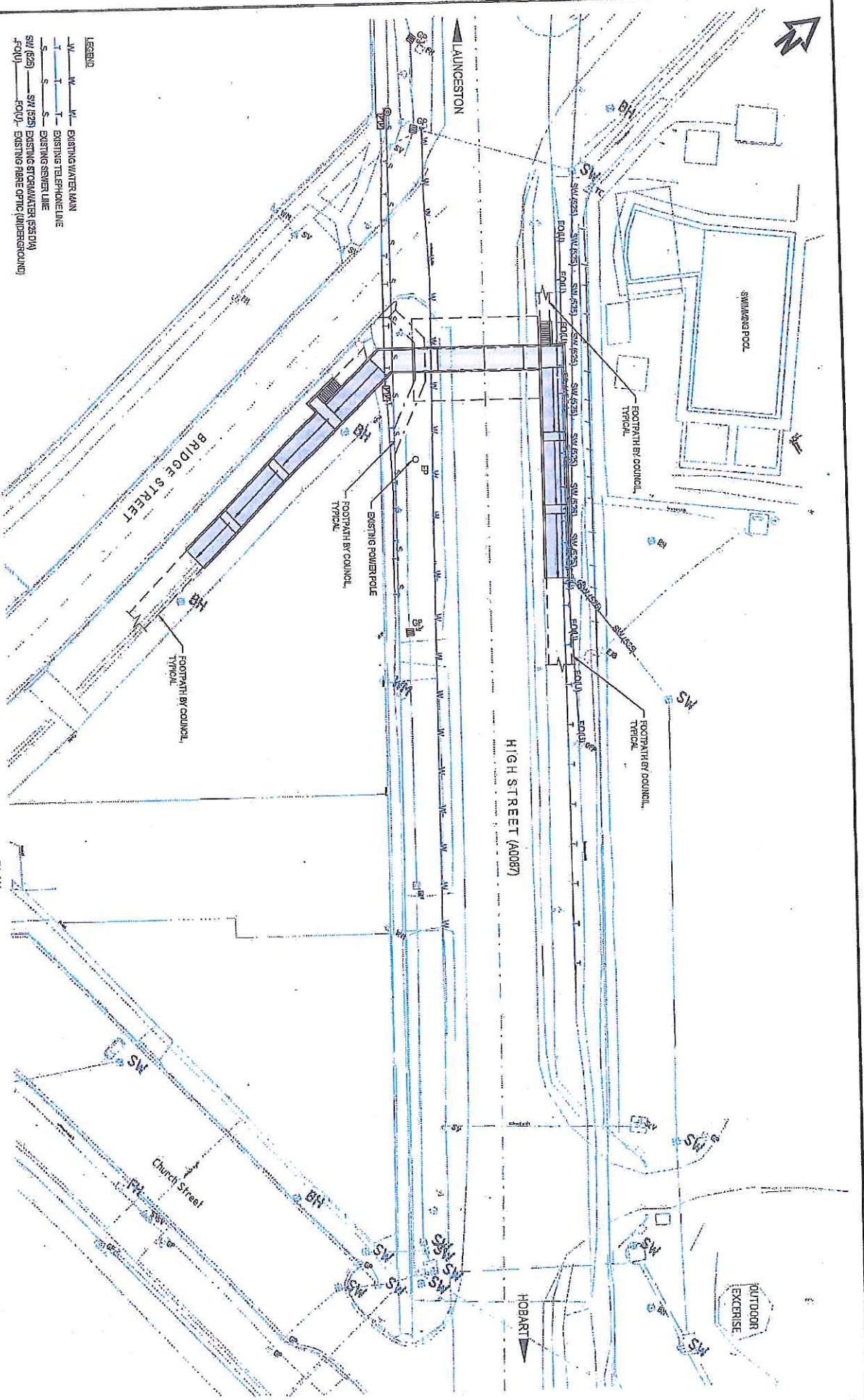
No. Amendment Description

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Client/Designer: M&A ZONE 55      Height/Elevation: A1D

Contract/Project: M&A ZONE 55



**LEGEND**

- W — W — EXISTING WATERMAIN
- - - T - T - EXISTING TELEPHONE LINE
- - - S - S - EXISTING SEWER LINE
- ..... SW (50%) EXISTING STORMWATER (50% DIA)
- ..... FO (O) - EXISTING FIBRE OPTIC (UNDERGROUND)

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**SCALES**

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SCALE 1:500

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SCALE 1:500

DESIGNED BY **pit&sherry**

REVIEWED BY **Government**

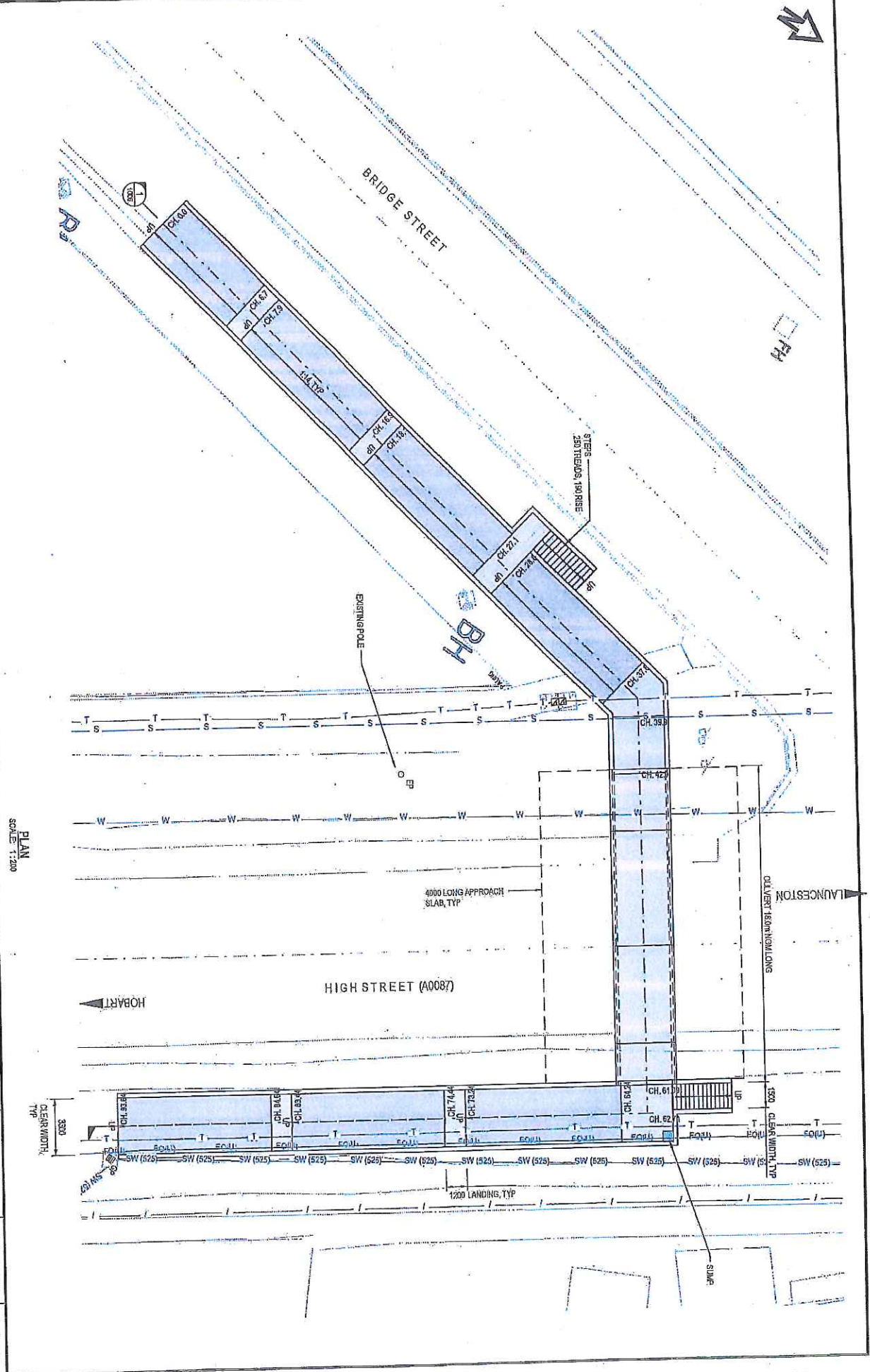
Department of State Growth  
CAMPBELL TOWN  
PEDESTRIAN UNDERPASS

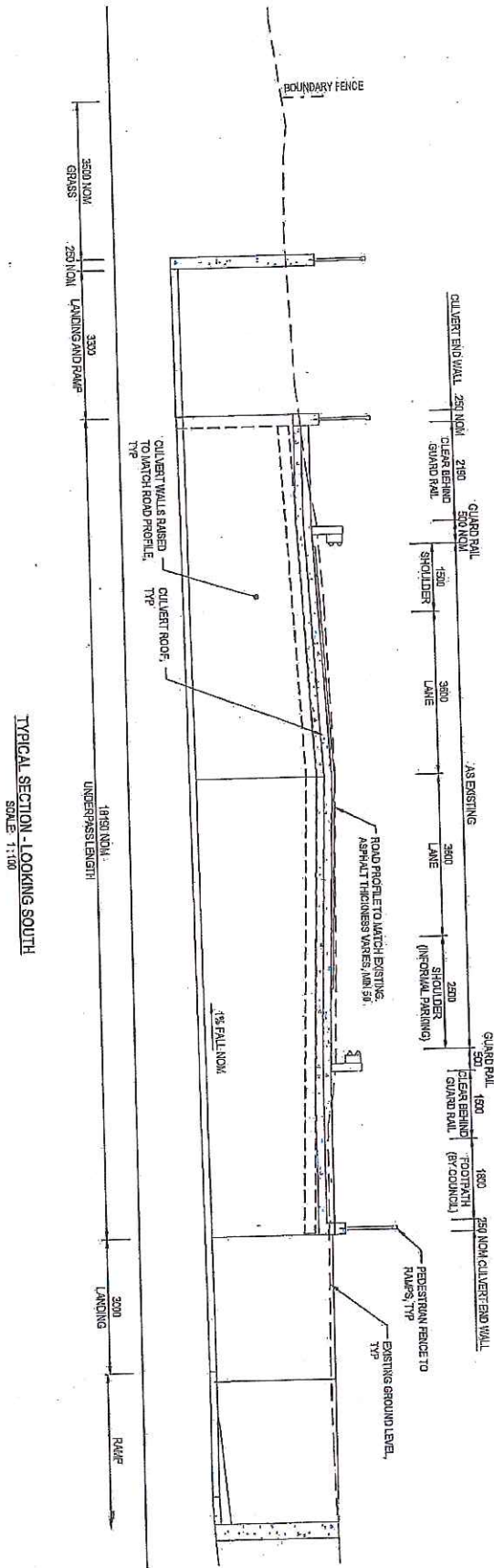
PLAN  
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SITE PLAN

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| CONTRACT No.        | DRAWINGS<br>P24.1029 ST005 | PRINTED DATE<br>21/02/23 11:23 AM | SHEET No.<br><b>1003</b> |
| REGISTRATION NUMBER |                            |                                   | REVISION                 |

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| No. | As shown | Amendment Description | Initials | Date | Co-ordinate System: NZGS NZM2000 | Height Datum: AHD | SCALES<br>1:200<br>0 200 400 600 800 1000<br>SCALE: 1:200<br>0 200 400 600 800 1000<br>SCALE: 1:200 | DESIGNED: pitts&sherry<br>REVIEWED: | Department of State Growth<br>CAMPBELL TOWN<br>PEDESTRIAN UNDERPASS | CONTRACT No.<br>DRAWING<br>REGISTRATION NUMBER<br>PRINTED DATE<br>SHEET No. |
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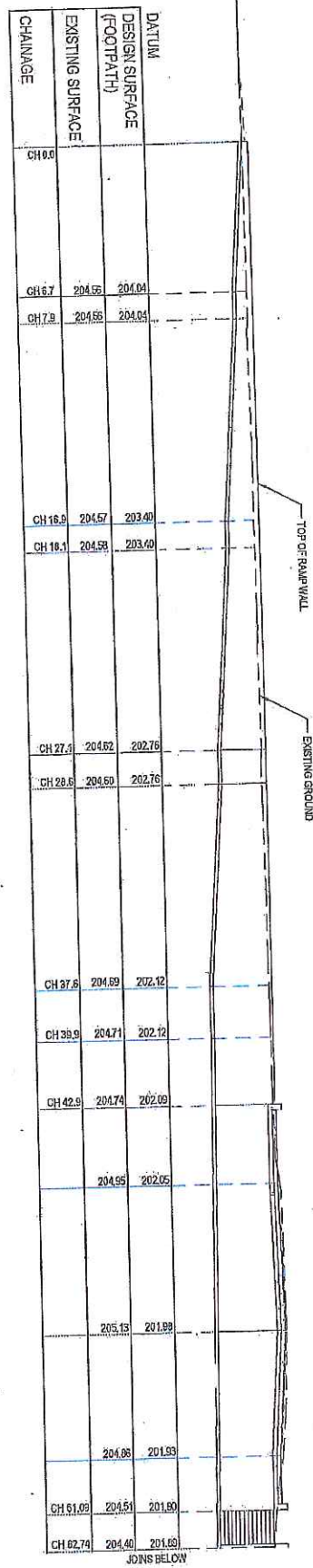




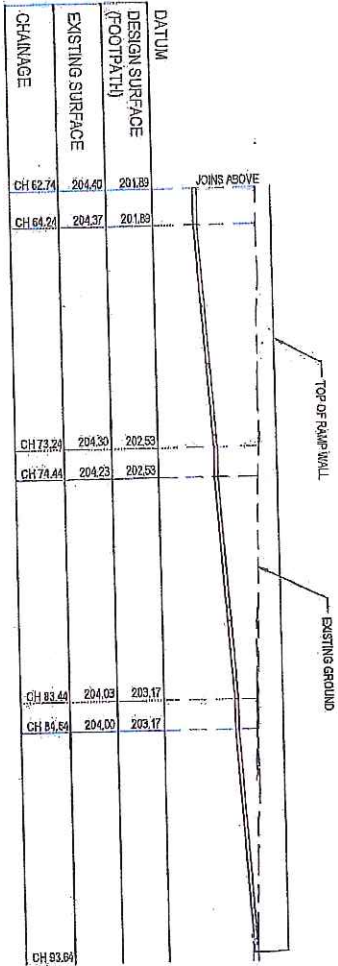
TYPICAL SECTION - LOOKING SOUTH  
SCALE: 1:100

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| No. _____<br>Amendment Description: _____<br>Includes _____<br>Date _____            |  | SCALES<br>1:100<br>0 100 200 300 400<br>METERS<br>0 100 200 300 400<br>FEET |  | pit&sherry<br>THE CITY OF<br>CAMPBELL<br>GOVERNMENT |  | Department of State Growth<br>CAMPBELL TOWN<br>PEDESTRIAN UNDERPASS<br>TYPICAL SECTION |  | CONTRACT NO.<br>2063 | DRAWING<br>P-21 (029-5105) | PRINTED DATE<br>22/02/2024 PM | SHEET NO.<br>1005 |
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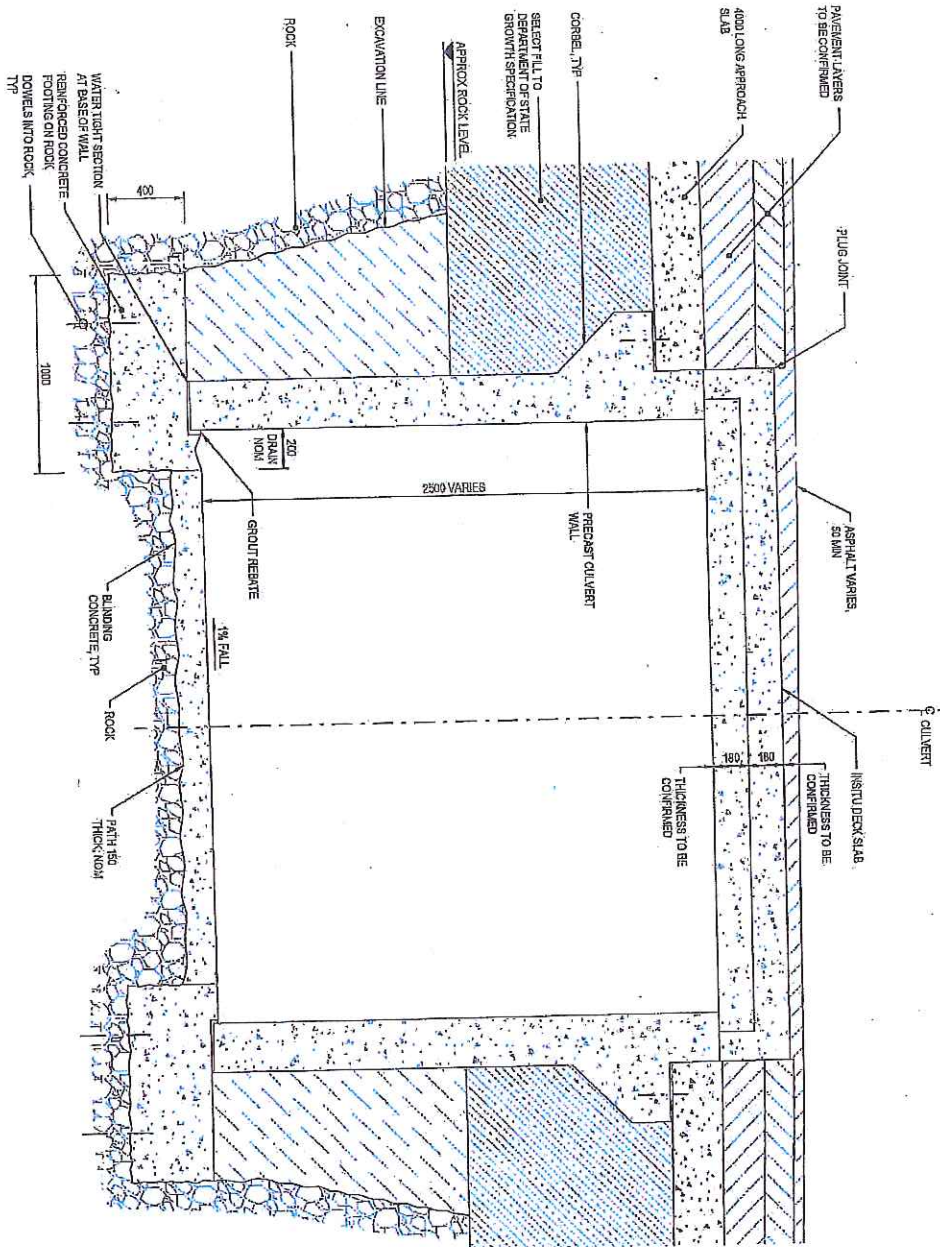




LONG SECTION  
SCALE: 1:200



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| No. 23 original  |  | Amendment Description   |  | Infills                      |  | Date               |  | Co-ordinate System: Max. 3016 68                                      |  | Height datum: AHD  |  |
| <p>Department of State Growth</p> <p>CAMPBELL TOWN</p> <p>PEDESTRIAN UNDERPASS</p> |  | <p>DESIGNED BY: <b>pit&amp;sherry</b></p> <p>REGISTERED ARCHITECT</p> |  | <p>SCALE</p> <p>1:200</p>    |  | <p>SCALE 1:200</p> |  | <p>DESIGNED BY: <b>pit&amp;sherry</b></p> <p>REGISTERED ARCHITECT</p> |  | <p>CONTRACT No.</p> <p>DRAWINGS</p> <p>REGISTRATION NUMBER</p> |  |
| <p>LONG SECTIONS</p>   |  | <p>PRINTED DATE</p> <p>22/04/2017 12:24 PM</p>                        |  | <p>SHEET No.</p> <p>1006</p> |  | <p>REVISION</p>    |  | <p>CONTRACT No.</p> <p>DRAWINGS</p> <p>REGISTRATION NUMBER</p>        |  | <p>PRINTED DATE</p> <p>22/04/2017 12:24 PM</p>                 |  |



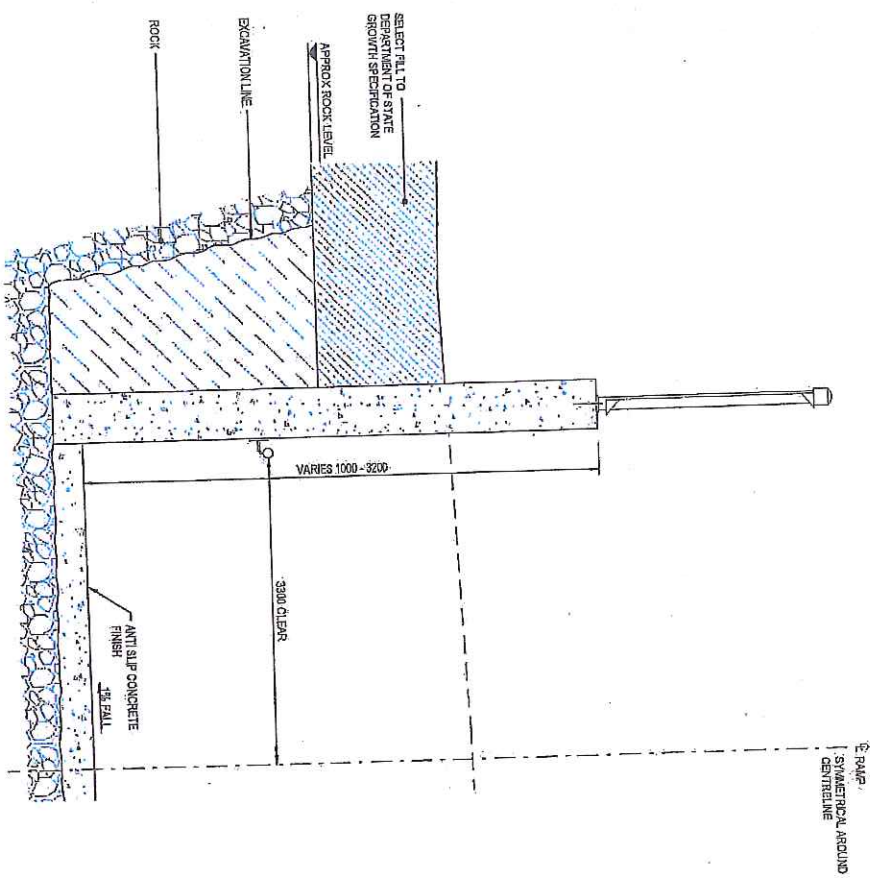
CULVERT SECTION - TYPICAL  
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| No.         | Amendment Description  | Date |
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 SCALES 1:25

DESIGNER: **pittsherry**  
 REVIEWER: **Thompson**  
 Department of State Growth  
 CAMPBELL TOWN  
 PEDESTRIAN UNDERPASS  
 CULVERT SECTION - TYPICAL

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| CONTRACT NO.        | DRAWING        | PRINTED DATE       | SHEET No.<br><b>1007</b> |
|                     | P21.0023-S1007 | 20/02/2017 2:54 PM |                          |
| REGISTRATION NUMBER |                | REVISION           |                          |



RAMP SECTION - TYPICAL  
SCALE 1:25

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| <p>Department of State Growth<br/>CAMPBELL TOWN<br/>PEDESTRIAN UNDERPASS</p>               |  | <p>DESIGNED BY<br/>pjt&amp;shery</p>  |  | <p>REVIEWED BY<br/>[Signature]</p>                        |  |
| <p>RAMP SECTION - TYPICAL</p>  |  | <p>SCALE 1:25</p>                     |  | <p>SCALE: 1:25<br/>0 25 50 75 100<br/>SCALE IN METERS</p> |  |
| <p>CONTRACT NO.</p>  |  | <p>DRAWING NO.<br/>P21/002A-S102B</p> |  | <p>PRINTED DATE<br/>27/07/2011 17:25:00</p>               |  |
| <p>REVISION</p>  |  | <p>REGISTRATION NUMBER</p>            |  | <p>SHEET NO.<br/>1008</p>                                 |  |
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