

## Pre-Construction Minor Works Approval Form

Minor Works are defined as any low impact activities that are undertaken prior to the commencement of 'construction' as defined in the project's applicable planning approval. However, if Minor Works affect or potentially affect heritage items, threatened species, populations or endangered ecological communities, these works are defined as 'construction' unless otherwise determined by the applicable planning authority.

Minor Works approvals do not remove any obligation to comply with the project's applicable planning approval conditions (including requirements prior to 'any works' commencing) or obtain any other applicable permits, licenses or approvals as necessary.

This application and all supporting information must be submitted to TfNSW/the Environmental Representative as one (1) PDF file at least 10 business days prior to the commencement of the proposed Minor Works.

Part 1: Application	
<b>Contractor:</b>	RPS Pty Ltd
<b>Project:</b>	City & Southwest
<b>Application Title:</b> (e.g. Smith St trenching works)	Pitt Street, Park Street, Castlereagh Street, – Utilities/Culvert locating and survey
<b>Application Number:</b>	MW_042
<b>Application Date:</b>	10/01/2019
<b>Planning Approval:</b>	Sydney Metro City & Southwest - Chatswood to Sydenham (SSI 15_7400)
<b>Minor Works Categories:</b> <ul style="list-style-type: none"> <li>Highlight as applicable.</li> <li>If Items 4, 8 or 11 are applicable, this form must be endorsed by an Environmental Representative.</li> </ul>	<ol style="list-style-type: none"> <li>Survey, survey facilitation and investigations work (including road and building dilapidation survey works, drilling and excavation).</li> <li>Treatment of contaminated sites.</li> <li>Establishment of ancillary facilities (excluding demolition), including construction of ancillary facility access roads and providing facility utilities.</li> <li>Operation of ancillary facilities that have minimal impact on the environment and community.</li> <li>Minor clearing and relocation of vegetation (including native).</li> <li>Installation of mitigation measures, including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments.</li> <li>Property acquisition adjustment works, including installation of property fencing and utility relocation and adjustments to properties.</li> <li>Utility relocation and connections.</li> <li>Maintenance of existing buildings and structures.</li> <li>Archaeological testing under the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW, 2010) or archaeological monitoring undertaken in association with other Minor Works to ensure there is no impact on heritage items.</li> <li>Any other activities that have minimal environmental impact, including construction of minor access roads, temporary relocation of pedestrian and cycle paths and the provision of property access.</li> </ol>
<b>Planning Authority Determination:</b> Will the proposed works affect or have the potential to affect heritage items, threatened species, populations or endangered ecological communities?	The proposed works do not have potential impact on the Bennelong Storm water channel. Treatment with respect to this Heritage asset is expanded later in this document.

## Part 2: Details

**Describe the proposed Minor Works:**

Including work methodologies, site location(s) and site description(s) (e.g. landscape type, waterways, etc.).

**Methodology:**

- Traffic control – set up
- Service locate and mark up (via EMI/GPR and water-soluble marking paint or chalk)
- Install silt socks downhill from the works along the flow line and at the kerb edge to prevent flow from the pavement. Assessment of flow should be assessed at each trench location
- Where applicable remove paving slabs with care and attempt to retain for later re-installation
- Concrete cut/asphalt cut if required. Two process options:
  - Use a wheel saw mounted on a high flow Bobcat: This process is suitable for trenches up to 200mm wide and 600 mm deep. With the saw operating over this width and grinding the trench with increments as small as 10mm the operator will often feel the change in material that allows the vac truck to investigate; or
  - Concrete cutting and breaking out: The concrete is cut using a concrete saw until the subbase is exposed allowing it to be broken and removed. A jack hammer is used cautiously to break the concrete into smaller sections. Once this breaking of concrete is complete the concrete is removed.
- Removal of surface material.
- Excavate using 1 hydro vacuum excavation truck – (maximum pressure of 2000 PSI as per DBYD recommended pressure) to the following dimensions: Width 200mm, Length boundary to boundary and Depth
- Field verification of existing infrastructure and services
- Mark out exposed service positions measure and catalogue findings
- Backfill to approved specification – with a 6 tonne jumping jack pneumatic compactor and vibration wacker plate will be used to ensure compaction
- Re-instate surface using premium cold mix product (EZ Street or similar)
- Ensure the work site is clean
- Traffic control – pack up
- Soil disposal will take place offsite at an appropriate licensed facility and will be fully contained from site to disposal.
- With reference to the Heritage listed Bennelong Storm water channel, the following procedure is to be followed:
  - Use GPR to locate the structure outline and mark with water based spray paint
  - Using EM & GPR locate all services in the vicinity of the structure
  - Determine the clearance between the services and the Bennelong structure
  - Indicate the location of the trench with a different colour paint from the services and Bennelong structure ensuring the clearance of 1 metre from the structure, this approach is consistent with specific advice obtained from Sydney Water. ( this can be reduced to 600 mm if services are contained within the 600-1000 mm clearance from the structure and must be approved by the RPS site manager on site.)

(Uncontrolled when printed)

	<ul style="list-style-type: none"> <li>○ If the clearance is less than 600 mm work should stop and the matter should be referred to Sydney Metro for comment</li> <li>○ To ensure minimum impact the following items are proposed as integral to the works:</li> </ul> <p><b>List of plant/equipment:</b></p> <ul style="list-style-type: none"> <li>● Traffic control vehicles (Ute) including non-tonal reversing beepers (i.e. 'quackers')</li> <li>● Vacuum Excavation Truck</li> <li>● Survey equipment</li> <li>● Electromagnetic wands</li> <li>● Small-scale Ground Penetrating Radar</li> <li>● Bob saw/Concrete saw</li> <li>● Compactor/whacker plate</li> <li>● Jack hammer (concrete saw and jack hammer are contingency only)</li> </ul> <p><b>Map</b> See Appendix 1.</p>
<b>Planned Commencement Date:</b>	20 <sup>st</sup> January – 7 <sup>th</sup> February 2019
<b>Local Sensitivities:</b> Describe the presence (if any) of local sensitive environmental areas and community receptors.	Local sensitivities related to surrounding residents and businesses. The works will not impact any trees. Refer to attached ECM (Appendix 1).

(Uncontrolled when printed)

**Part 3: Environmental Risk Assessment and Management**

Prepare an Environmental Risk Assessment (in accordance with the *Sydney Metro Risk Management Standard*) and an Environmental Control Map for the proposed Minor Works and attach as Appendix 1.

If an Environmental Risk Assessment and/or an Environmental Control Map for the proposed Minor Works is/are already contained in existing documentation, attach the relevant section(s) as Appendix 1.

<p><b>Documentation:</b> List any existing documents (including those referenced above) that the proposed Minor Works will be undertaken in accordance with and attach as Appendix 2 (e.g. plans, procedures, etc.).</p>	<ul style="list-style-type: none"> <li>• ECM (Appendix 1)</li> <li>• OOHW (provided to TfNSW separately).</li> <li>• CEMP (provided to TfNSW separately).</li> <li>• Sydney Metro Unexpected Heritage Finds Procedure Version 1.4</li> <li>• OOH Protocol</li> </ul>
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**Part 4: Workforce Notification**

<p><b>How will the environmental and community risks and associated mitigation measures of the proposed Minor Works be communicated to the contractor's workforce?</b></p>	<ul style="list-style-type: none"> <li>• Site induction</li> <li>• Pre-start meeting</li> <li>• Toolbox talks</li> <li>• Upon a suspected find assessment steps are:-             <ol style="list-style-type: none"> <li>1. SMS with photos of suspected finds to Tim Hill 0420 399 802</li> <li>2. Call and decide if attendance is needed</li> </ol> </li> </ul>
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**Part 5: Community Consultation**

<p><b>What community consultation has been undertaken already?</b></p>	<p>RPS has met on site with the communications interface team from Sydney Metro to understand the impacts of these works. Works will be scheduled to minimise the impacts on residents and commercial operations in the area examples as below:</p> <p>Slit trench outside the Edinburgh Hotel to be done on a Sunday/Monday night when the pub is closed</p> <p>Cutting along Castlereagh (trenches 7-10) PSN are to be cut in the first portion of one shift 19:00-22:00 and temporarily re-instated to ensure minimal disruption to the adjacent boutique hotel and Synagogue across the road from the works</p>
<p><b>What community consultation is planned to be undertaken?</b></p>	<p>Community will be given 7 days' notice for these proposed works.</p>

If drafted already, attach applicable Community Notification as Appendix 3.

**Part 6: Contact Details**

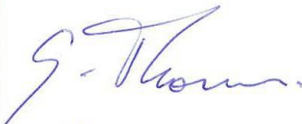
Nominate contractor's project manager, environmental and communications contact(s).

<b>Name:</b>	Graham Elgie	<b>Position:</b>	Project Manager and communications contact	<b>Phone:</b>	0417 762 066
	Gareth Thomas		Environment contact		0414 228 613

**Part 7: Signature**

This signature acknowledges that the proposed Minor Works will be undertaken in accordance with this application, have minimal environmental impact and are not defined as 'construction' in accordance with the applicable planning approval.

<b>Name:</b>	Gareth Thomas
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<b>Signature:</b>		<b>Date:</b>	10/01/2019
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## Determination Page

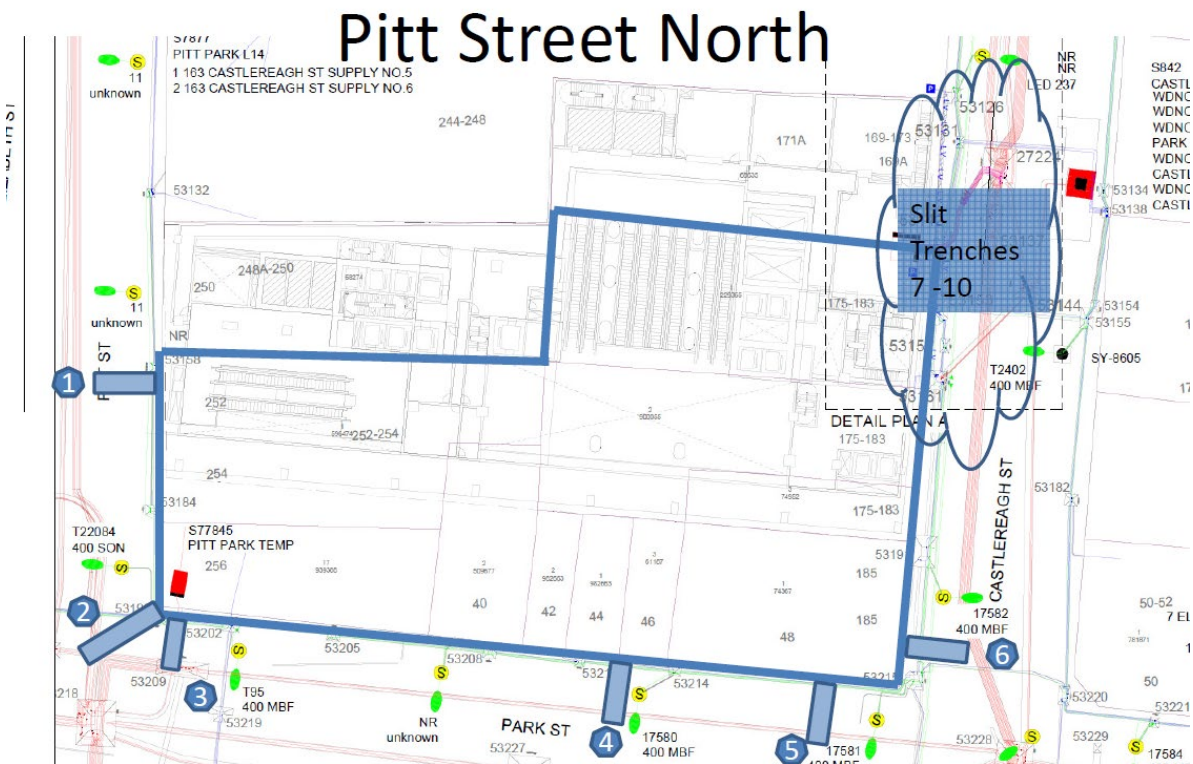
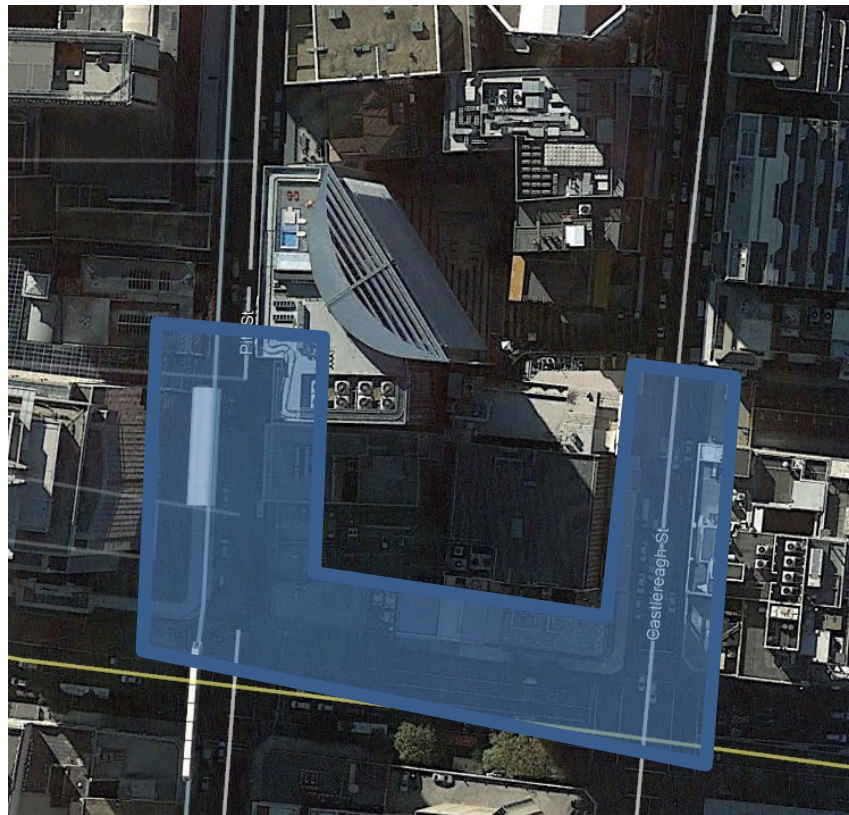
(TfNSW/Environmental Representative Use Only)

### 12. Endorsement/Approval

These signatures represent formal endorsement/approval for the proposed Minor Works to commence in accordance with this application and the applicable planning approval requirements (subject to any determination from the applicable planning authority as may be required by the planning approval conditions).

	TfNSW Principal Manager, Communication & Engagement – Endorsement (required for all applications)	TfNSW Principal Manager, Sustainability, Environment & Planning – Approval (required for all applications)	Environmental Representative – Endorsement (required as necessary in accordance with the applicable planning approval, optional for all other circumstances)
Signature:			
Name:	Tim Garrard	FIL CERONE	
Date:	10/01/2019	11/1/19	
Comments:			Supporting letter attached as Appendix 4 if necessary.
Conditions:			Supporting letter attached as Appendix 4 if necessary.
<input checked="" type="checkbox"/> Approved (by TfNSW)			
<input type="checkbox"/> Endorsed (by Environmental Representative)			
<input type="checkbox"/> Rejected			

# Appendix 1: PSN Works location map



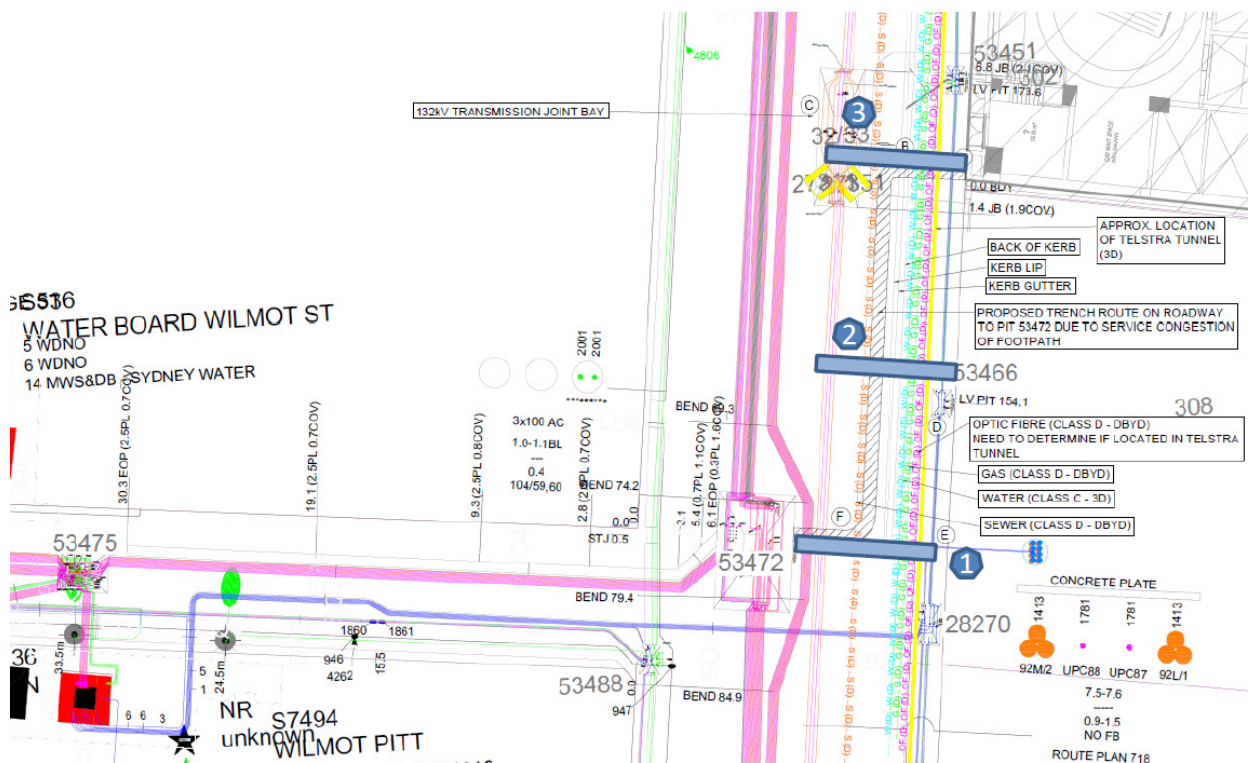


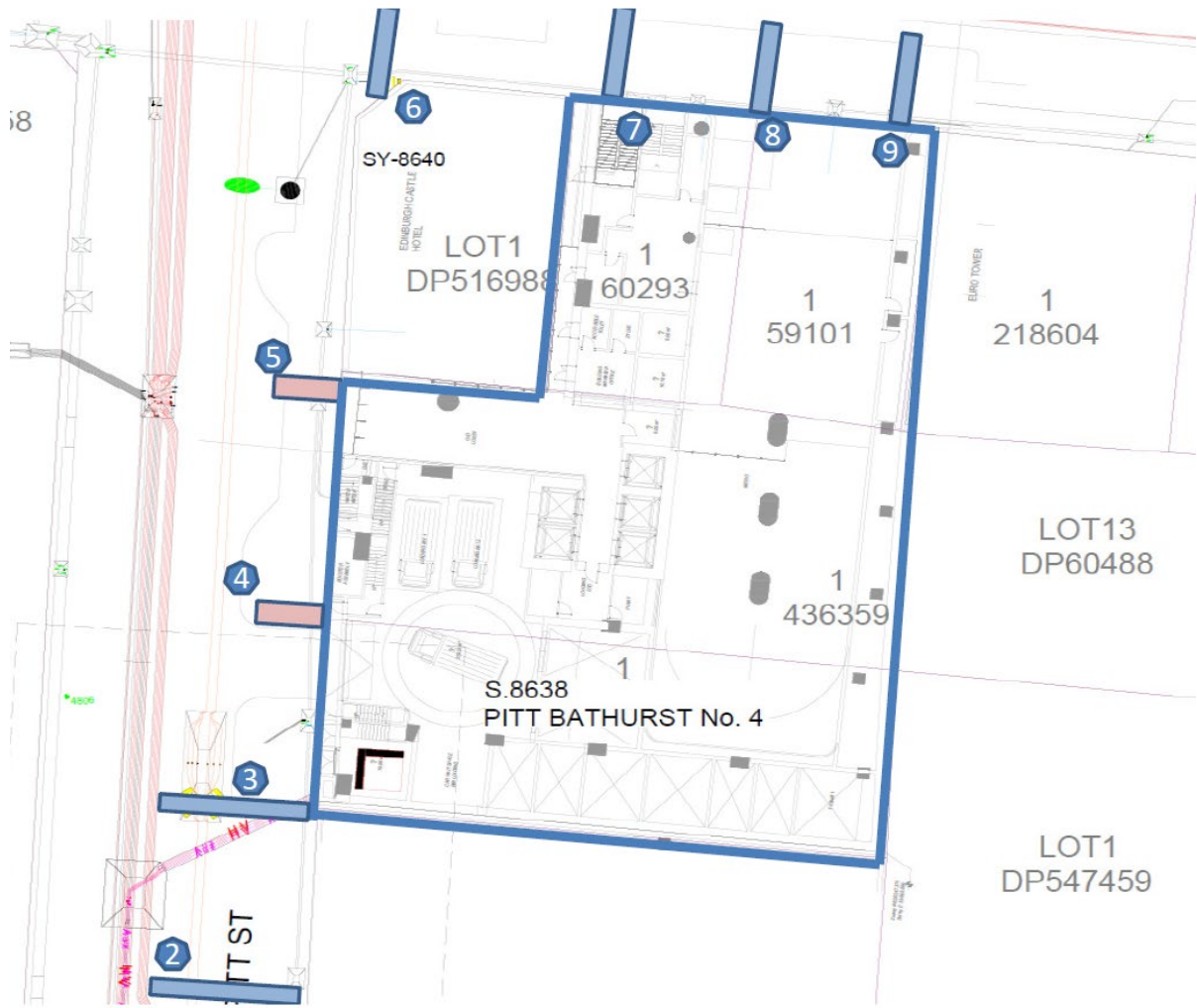


## Appendix 2: PSS Works location map



### Pitt Street South







Bennelong Stormwater Channel shown as hatched area

### Appendix 3: Heritage items map

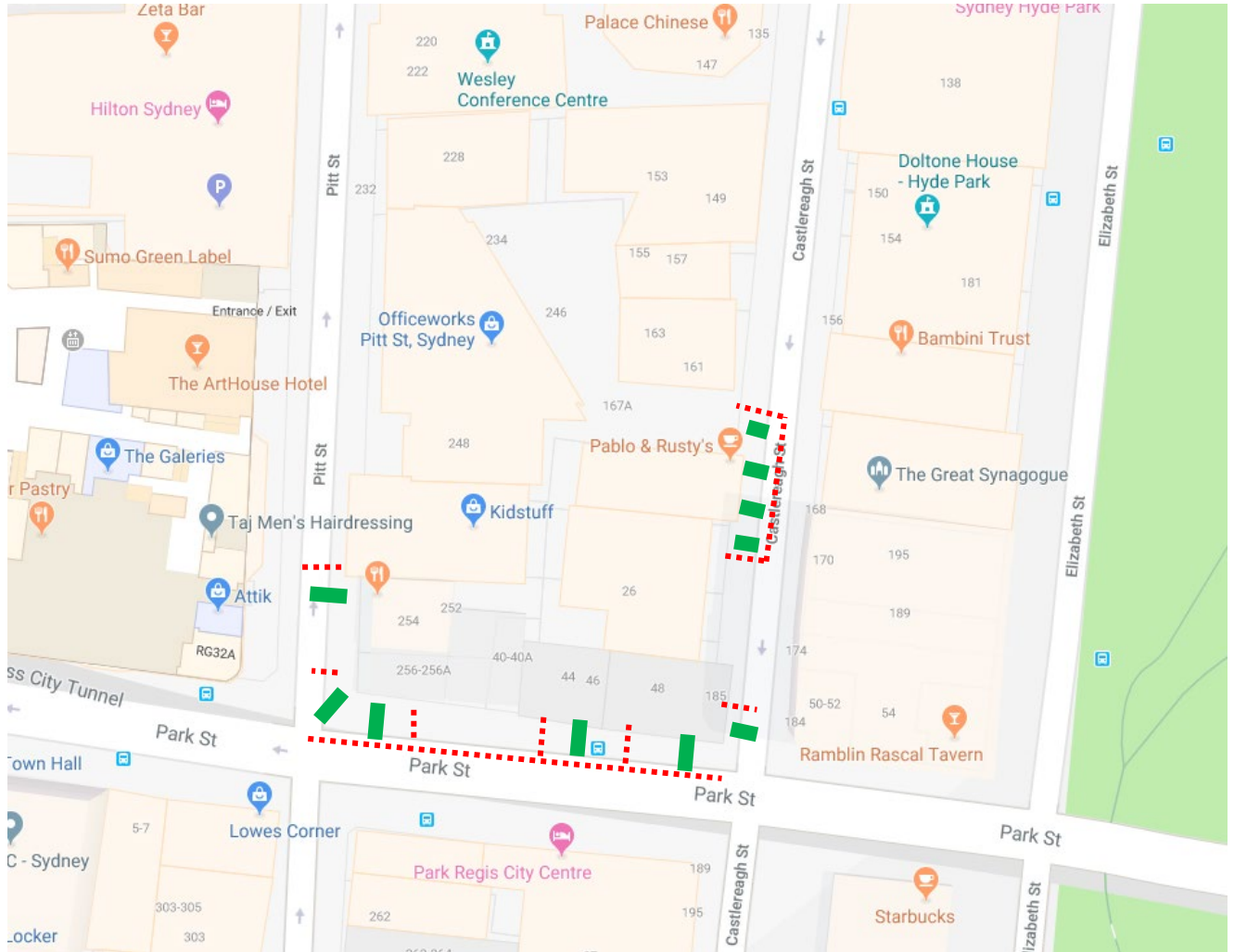


Figure 14-7 Pitt Street Station - impacts on heritage items

The works are surrounded by several heritage items (refer to above map). All the works are being conducted outside of property boundary lines and therefore there are no impacts to any non-Aboriginal heritage items (as these are within private property boundary lines)

Note: For the duration of the works silt control socks are to be used at storm water inlets downhill from the works and where applicable to prevent runoff from the pavement

**Pitt Street North Station Site**



**Key**

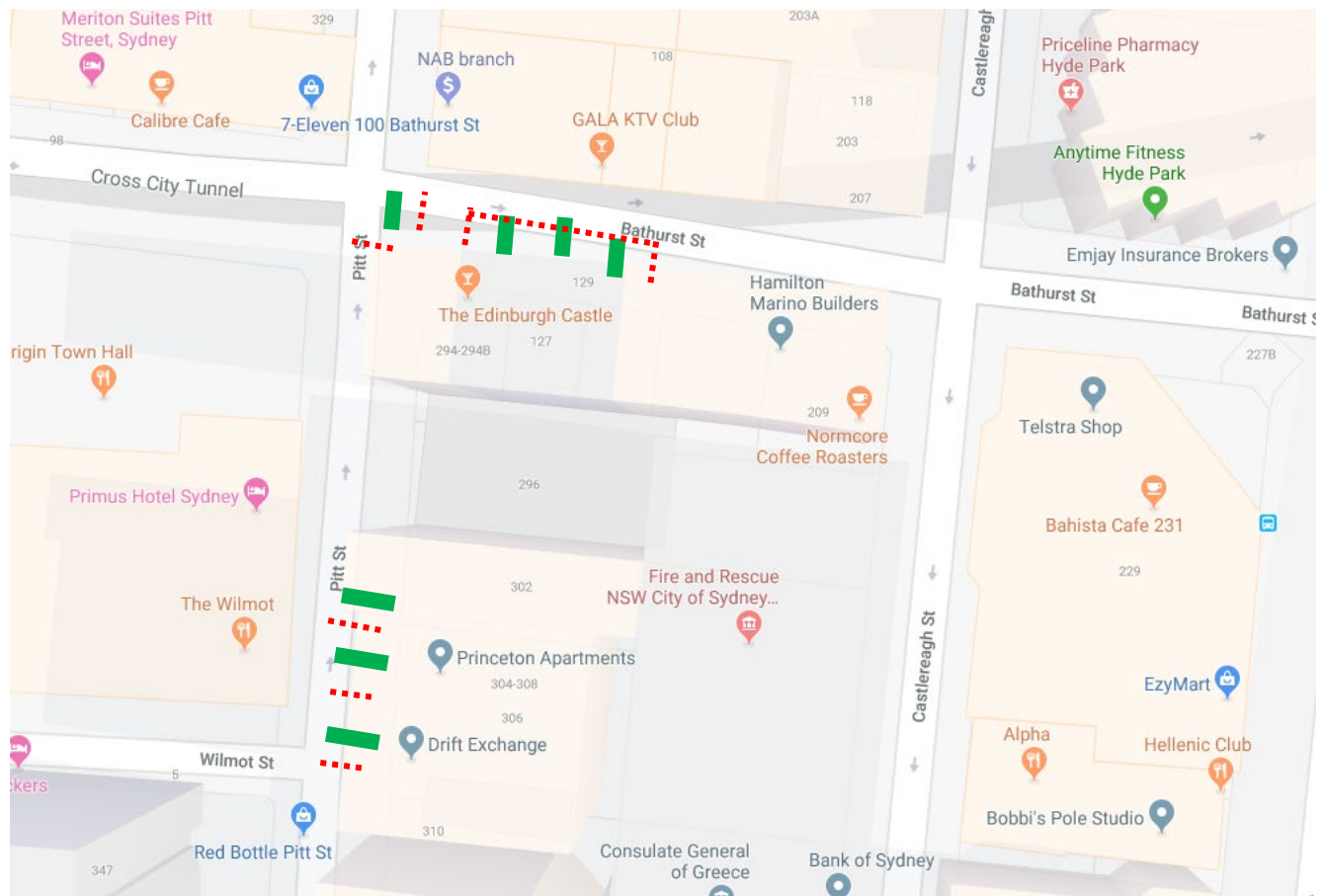


Location and orientation of silt trench



General location of silt trenches both across footpath & down the street where silt sock is shown along the kerb line the intention is to contain at specific trench locations not the entire street.

Pitt Street South Station Site



Key



Location and orientation of slit trench



General location of silt trenches both across footpath & down the street where slit sock is shown along the kerb line the intention is to contain at specific trench locations not the entire street.