

AGENDA Special City Planning Committee Meeting Open Portion

Tuesday, 14 June 2022

at 4.00 pm Council Chamber, Town Hall

THE MISSION

Working together to make Hobart a better place for the community.

THE VALUES

The Council is:

People We care about people – our community, our customers

and colleagues.

Teamwork We collaborate both within the organisation and with

external stakeholders drawing on skills and expertise for

the benefit of our community.

Focus and Direction We have clear goals and plans to achieve sustainable

social, environmental and economic outcomes for the

Hobart community.

Creativity and

Innovation

We embrace new approaches and continuously improve to

achieve better outcomes for our community.

Accountability We are transparent, work to high ethical and professional

standards and are accountable for delivering outcomes for

our community.

ORDER OF BUSINESS

Business listed on the agenda is to be conducted in the order in which it is set out, unless the committee by simple majority determines otherwise.

APOLOGIES AND LEAVE OF ABSENCE

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Special City Planning Committee Meeting (Open Portion) held Tuesday, 14 June 2022 at 4.00 pm in the Council Chamber, Town Hall.

This meeting of the Special City Planning Committee is held in accordance with a Notice issued by the Premier on 31 March 2022 under section 18 of the COVID-19 Disease Emergency (Miscellaneous Provisions) Act 2020.

The title Chief Executive Officer is a term of reference for the General Manager as appointed by Council pursuant s.61 of the *Local Government Act* 1993 (Tas).

COMMITTEE MEMBERS

Apologies:

Leave of Absence: Nil.

Deputy Lord Mayor Councillor H Burnet (Chairman)

Àlderman J R Briscoe

Councillor W F Harvey

Alderman S Behrakis

Councillor M Dutta Councillor W Coats

NON-MEMBERS

Lord Mayor Councillor A M Reynolds Alderman M Zucco Alderman Dr P T Sexton Alderman D C Thomas Councillor J Fox Councillor Dr Z Sherlock

1. CO-OPTION OF A COMMITTEE MEMBER IN THE EVENT OF A VACANCY

2. INDICATIONS OF PECUNIARY AND CONFLICTS OF INTEREST

Ref: Part 2, Regulation 8(7) of the Local Government (Meeting Procedures) Regulations 2015.

Members of the Committee are requested to indicate where they may have any pecuniary or conflict of interest in respect to any matter appearing on the agenda, or any supplementary item to the agenda, which the Committee has resolved to deal with.

3. COMMITTEE ACTING AS PLANNING AUTHORITY

In accordance with the provisions of Part 2 Regulation 25 of the *Local Government (Meeting Procedures) Regulations 2015*, the intention of the Committee to act as a planning authority pursuant to the *Land Use Planning and Approvals Act 1993* is to be noted.

In accordance with Regulation 25, the Committee will act as a planning authority in respect to those matters appearing under this heading on the agenda, inclusive of any supplementary items.

The Committee is reminded that in order to comply with Regulation 25(2), the Chief Executive Officer is to ensure that the reasons for a decision by a Council or Council Committee acting as a planning authority are recorded in the minutes.

3.1 APPLICATIONS UNDER THE HOBART INTERIM PLANNING SCHEME 2015

3.1.1 156 NEW TOWN ROAD, NEW TOWN - DEMOLITION, SUBDIVISION (LOT CONSOLIDATION) AND NEW BUILDING FOR 19 MULTIPLE DWELLINGS AND FITNESS CENTRE (SPORTS AND RECREATION) PLN-22-272 - FILE REF: F22/56391

Address: 156 New Town Road, New Town

Proposal: Demolition, Subdivision (Lot Consolidation), and

New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation)

Expiry Date: 16 June 2022

Extension of Time: Not applicable

Author: Adam Smee

RECOMMENDATION

That pursuant to the *Hobart Interim Planning Scheme 2015*, the Council approve the application for demolition, subdivision (lot consolidation), and new building for 19 multiple dwellings and fitness centre (sports and recreation) at 156 New Town Road, New Town, 7008 for the reasons outlined in the officer's report and a permit containing the following conditions be issued:

GEN

The use and/or development must be substantially in accordance with the documents and drawings that comprise PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN TAS 7008 - Final Planning Documents.

Reason for condition

To clarify the scope of the permit.

TW

The use and/or development must comply with the requirements of TasWater as detailed in the form Submission to Planning Authority Notice, Reference No. TW 2022/00654-HCC dated 12/5/2022 as attached to the permit.

Reason for condition

To clarify the scope of the permit.

PLN 14

Prior to the issue of any approval under the *Building Act 2016* (excluding for demolition), revised plans must be submitted and approved as a Condition Endorsement that demonstrate that the habitable rooms of the dwellings adjacent to New Town Road will achieve internal noise levels in accordance with relevant Australian Standards for acoustics control (including *AS3671:1989 – Road Traffic Noise Intrusion (Building Siting and Construction)* and *AS2107:2016 – Acoustics (Recommended Design Sound Levels and Reverberation Times for Building Interiors)*

The revised plans must be certified by a suitably qualified person as demonstrating likely compliance with the above requirement. All work required by this condition must be undertaken in accordance with the approved revised plans.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that buildings for residential use provide reasonable levels of residential amenity.

PLN₆

Hours of operation for the fitness centre (except for office and administrative tasks) must be within:

- 7.00 am to 9.00 pm Mondays to Fridays inclusive;
- 8.00 am to 6.00 pm Saturdays;
- 9.00 am to 5.00 pm Sundays and Public Holidays;

Reason for condition

To ensure that non-residential use does not unreasonably impact on residential amenity

PLN s1

The combined area of windows and door openings at ground floor level in the front façade of the approved building must be equivalent to no less than 40% of the surface area of the ground floor level façade, unless further planning approval is obtained. Any glazing provided within the front façade at ground floor level must have predominantly clear glass and must not be obscured through the use of obscure glass or film, or otherwise obscured without further planning approval.

Reason for condition

To ensure that building design for non-residential uses contributes positively to the streetscape.

ENG 12

A construction waste management plan must be implemented throughout construction.

A construction waste management plan must be submitted and approved as a Condition Endorsement, prior to commencement of work on the site. The construction waste management plan must include:

- Provisions for commercial waste services for the handling, storage, transport and disposal of post-construction solid waste and recycle bins from the development; and,
- Provisions for the handling, transport and disposal of demolition material, including any contaminated waste and recycling opportunities, to satisfy the above requirement.

All work required by this condition must be undertaken in accordance with the approved construction waste management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

It is recommended that the developer liaise with the Council's City Resilience Unit regarding reducing, reusing and recycling materials associated with demolition on the site to minimise solid waste being directed to landfill. Further information can also be found on the Council's website.

Reason for condition

To ensure that solid waste management from the site meets the Council's requirements and standards.

ENG sw1

All stormwater from the proposed development (including but not limited to: roofed areas, ag drains, and impervious surfaces such as driveways and paved areas) must be drained to the Council's stormwater infrastructure prior to first occupation or commencement of use (whichever occurs first).

All impervious areas which can be drained to New Town Road via gravity (including charged systems) must be drained via gravity. The pump system must be limited to capture stormwater only from areas which cannot be drained via gravity. All pump rising main discharges must occur to a private dispersion pit such that only gravity flow from the property to the Council stormwater connection.

Advice:

Under section 23 of the Urban Drainage Act 2013 it is an offence for a property owner to direct stormwater onto a neighbouring property.

Reason for condition

To ensure that stormwater from the site will be discharged to a suitable Council approved outlet, and the pump system is designed and maintained to minimise risk to third-party land.

SW 7

Prior to occupancy or the commencement of the use (whichever occurs first), any new stormwater connection must be constructed and existing redundant connection(s) be abandoned and sealed at the owner's expense.

Prior to the issuing of any approval under the *Building Act 2016* or commencement of works (whichever occurs first), detailed engineering drawings must be submitted and approved. The detailed engineering drawings must include:

 the location of the proposed connections and all existing connections, including details of abandonment of the existing redundant connections,

- 2. the size and design of the connection such that it is appropriate to safely service the development,
- 3. clearances from any nearby obstacles (eg services, crossovers, trees, poles, walls),
- 4. long-sections of the proposed connection clearly showing levels, cover, size, grade, material and delineation of public and private infrastructure;
- 5. connections which are free-flowing gravity driven, and,
- 6. be in general accordance with Council's departures from the LGAT Tasmanian Standard Drawings, available from here.

All work required by this condition must be undertaken in accordance with the approved detailed engineering drawings.

Advice:

Upgraded or new connections can be approved separately from the CEP process, via the Application for New Connection form available from here. The approved stormwater connection documents must be included in your plumbing permit application document set and listed in accompanying forms.

A single connection for the property is required under the Urban Drainage Act 2013.

SW₉

Prior to occupancy or the commencement of the approved use (whichever occurs first), stormwater pre-treatment and detention for stormwater discharges from the development must be installed.

A stormwater management report and design must be submitted and approved as a Condition Endorsement, prior to the issue of any approval under the *Building Act 2016* or the commencement of work on the site (whichever occurs first). The stormwater management report and design must be prepared by a suitably qualified engineer and must:

- 1. include detailed design and long-section of the proposed treatment train, including final estimations of contaminant removal and driving head requirements;
- 2. include detailed design and supporting calculations of the detention tank showing:

- detention tank sizing such that there is no increase in flows from the developed site up to 5% AEP event and flows do not exceed the receiving capacity of the kerb and gutter as per the planning documentation;
- the layout and long section showing the inlet and outelt, any internal weir, outlet size, overflow mechanism and invert levels; the discharge rates and emptying times; and
- all assumptions must be clearly stated;
- 3. include a supporting maintenance plan, which specifies the required maintenance measures to check and ensure the ongoing effective operation of all systems, such as: inspection frequency; cleanout procedures; descriptions and diagrams of how the installed systems operate; details of the life of assets and replacement requirements.

All work required by this condition must be undertaken and maintained in accordance with the approved stormwater management report and design.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

ENG 13

An ongoing waste management plan for all commercial and domestic waste and recycling must be implemented post construction.

A waste management plan must be submitted and approved as a Condition Endorsement, prior to commencement of work on the site. A waste management plan must include:

- 1. the number of bins,
- adequate bin storage area,
- 3. bin cleaning area that is appropriately drained,
- 4. the method of collection,
- 5. the time of day of collection; the frequency of collection,
- access to bin storage areas, including consideration of gradient, site lines, manoeuvring, direction of vehicle movement and pedestrian access

- 7. distance from vehicle stopping point to bins if not collected on site, and.
- 8. confirmation by a private contractor that they are able and willing to provide collection services according to the waste management plan.

All work required by this condition must be undertaken in accordance with the approved waste management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that solid waste management from the site meets the Council's requirements and standards and collecting waste do not compromise the safety, amenity and convenience of surrounding occupants, vehicular traffic, parking, cyclists, pedestrians and other road and footpath users

ENG tr1

Traffic management within the access driveway, circulation roadway and parking module (parking spaces and aisles) must be installed prior to the commencement of the use.

Traffic management design drawing(s) (including signage and line marking), must be submitted and approved as a Condition Endorsement, prior to the issue of any approval under the *Building Act 2016* or the commencement of works on site (whichever occurs first). The design drawing(s) and management plan must show but not limited to, the following information:

- **1.** Be prepared by a suitably qualified person,
- 2. Signage indicating that the car parking area is a private car park,
- Signage to be installed at the driveway entrance/exit informing users access is restricted to left in – left out only (as per Clause 3.2.3 of AS2890.1),
- **4.** Pavement arrows for the control and direction of circulating traffic within the car park and associated access in accordance with

Australian/NZS Standard, Parking facilities Part 1: Off-street car parking AS/NZS 2890.1: 2004,

- **5.** The turning bay must be must be delineated by means of white or yellow pavement lines and suitable signage,
- **6.** Pedestrian safety bollards for egress to/from lifts and doorways, and.
- **7.** Delineation of pedestrian pathways.

All work required by this condition must be undertaken in accordance with the approved traffic management design drawings.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

In the interests of user safety and the amenity of the occupiers of the development.

ENG tr2

A construction traffic and parking management plan must be implemented prior to the commencement of work on the site (including demolition). The construction traffic (including cars, public transport vehicles, service vehicles, pedestrians and cyclists) and parking management plan must be submitted and approved as a Condition Endorsement, prior to commencement work (including demolition). The construction traffic and parking management plan must:

- 1. Be prepared by a suitably qualified person.
- 2. Develop a communications plan to advise the wider community of the traffic and parking impacts during construction.
- 3. Include a start date and finish dates of various stages of works.
- 4. Include times that trucks and other traffic associated with the works will be allowed to operate.

5. Nominate a superintendent, or the like, to be responsible for the implementation of the approved traffic management plan and available as a direct contact to Council and/or members of the community regarding day to day construction traffic operations at the site, including any immediate traffic issues or hazards that may arise.

All work required by this condition must be undertaken in accordance with the approved construction traffic and parking management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure the safety of vehicles entering and leaving the development and the safety and access around the development site for the general public and adjacent businesses.

ENG 2a

Prior to first occupation or commencement of use (whichever occurs first), vehicular barriers compliant with the Australian Standard AS/NZS 1170.1:2002 must be installed to prevent vehicles running off the edge of an access driveway or parking module (parking spaces, aisles and manoeuvring area) where the drop from the edge of the trafficable area to a lower level is 600mm or greater, and wheel stops (kerb) must be installed for drops between 150mm and 600mm. Barriers must not limit the width of the driveway access or parking and turning areas approved under the permit.

Advice:

The Council does not consider a slope greater than 1 in 4 to constitute a lower level as described in AS/NZS 2890.1:2004 Section 2.4.5.3. Slopes greater than 1 in 4 will require a vehicular barrier or wheel stop.

Designers are advised to consult the National Construction Code 2016 to determine if pedestrian handrails or safety barriers compliant with the Code are also required in the parking module this area may be considered as a path of access to a building.

Reason for condition

To ensure the safety of users of the access driveway and parking module and compliance with the standard.

ENG 3a

The access driveway and parking area must be constructed and line marked in accordance with the following documentation which forms part of this permit: Basement Plan / DA-05 / Revision C/ dated 04/05/2022.

The works required by this condition must be completed prior to first occupation.

Reason for condition

To ensure the safety of users of the access and parking module, and compliance with the relevant Australian Standard.

ENG 3c

Prior to the first occupation, a suitably qualified engineer must certify that all aspects of the the access driveway and parking area have been constructed in accordance with design drawings approved by Condition ENG 3a.

Advice:

We strongly encourage you to speak to your engineer before works begin so that you can discuss the number and nature of the inspections they will need to do during the works in order to provide this certification. It may be necessary for a surveyor to also be engaged to ensure that the driveway will be constructed as approved.

The reason this condition has been imposed as part of your planning permit is that the driveway is outside the Australian Standard gradients or design parameters. If the driveway is not constructed as it has been approved then this may mean that the driveway will either be unsafe or will not function properly.

An example certificate is available on our website.

Reason for condition

To ensure the safety of users of the access and parking module, and compliance with the relevant Australian Standard.

ENG 4

The access driveway and parking module (car parking spaces, aisles and manoeuvring area) approved by this permit must be constructed to a sealed standard (spray seal, asphalt, concrete, pavers or equivalent Council approved) and surface drained to the Council's stormwater infrastructure prior to first occupation or commencement of use (whichever occurs first).

Reason for condition

To ensure the safety of users of the access driveway and parking module, and that it does not detract from the amenity of users, adjoining occupiers or the environment by preventing dust, mud and sediment transport.

ENG 5

All parking spaces must be delineated by means of white or yellow lines 80mm to 100mm wide, or white or yellow pavement markers in accordance with Australian Standards AS/NZS 2890.1 2004, prior to first occupation or commencement of use, whichever occurs first.

- The number of car parking spaces approved on the site is twenty six (26),
- The number of motorcycle parking spaces approved on the site is two (2).
- The number of bicycle parking spaces approved on the site is twelve (12).
- No visitor parking is provided on site,
- A minimum of one (1) parking space must be allocated to each dwelling, and,
- Each pair of tandem parking spaces must serve the same dwelling.

Reason for condition

To ensure the provision of parking for the use is safe and efficient.

ENG₁

Any damage to council infrastructure resulting from the implementation of this permit, must, at the discretion of the Council:

- Be met by the owner by way of reimbursement (cost of repair and reinstatement to be paid by the owner to the Council); or
- 2. Be repaired and reinstated by the owner to the satisfaction of the Council.

A photographic record of the Council's infrastructure adjacent to the subject site must be provided to the Council prior to any commencement of works.

A photographic record of the Council's infrastructure (e.g. existing property service connection points, roads, buildings, stormwater, footpaths, driveway crossovers and nature strips, including if any, pre-existing damage) will be relied upon to establish the extent of damage caused to the Council's infrastructure during construction. In the event that the owner/developer fails to provide to the Council a photographic record of the Council's infrastructure, then any damage to the Council's infrastructure found on completion of works will be deemed to be the responsibility of the owner.

Reason for condition

To ensure that any of the Council's infrastructure and/or site-related service connections affected by the proposal will be altered and/or reinstated at the owner's full cost.

ENG r1

The excavation and/or earth-retaining structures (i.e. cuttings, retaining walls) and/or footings within or supporting the highway reservation must not undermine the stability and integrity of the highway reservation and its infrastructure.

Detailed design drawings, structural certificates, and associated geotechnical assessments of the basement building wall supporting the New Town Road highway reservation must be submitted and approved as a Condition Endorsement, prior to the commencement of work and must:

 Be prepared and certified by a suitably qualified person and experienced engineer,

- 2. Not undermine the stability of the highway reservation,
- 3. Take into account any additional surcharge loadings as required by relevant Australian Standards,
- 4. Take into account and reference accordingly any Geotechnical findings,
- 5. Detail any mitigation measures required,
- 6. Detail the design and location of the footing adjacent to the New Town Road highway reservation, and,
- Include a structural certificate which notes the excavation near the highway will not adversely impact the stability of the road reservation.

Include a structural certificate which notes the excavation near the highway will not adversely impact the stability of the road reservation.

The structural certificates and drawings should note the above. All work required by this condition must be undertaken in accordance with the approved design drawings and structural certificates.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that the stability and integrity of the Council's highway reservation is not compromised by the development.

ENG r3

Prior to the commencement of use, the proposed driveway crossover on the New Town Road highway reservation must be designed and constructed in general accordance with:

- Urban TSD-R09-v3 Urban Roads Driveways and TSD R14-v3
 Type KC vehicular crossing,
- Redundant vehicle crossovers to be reinstated TSD-R14-v3 Type KC kerb and channel, and,
- Footpath Urban Roads Footpaths TSD-R11-v3.

Design drawings must be submitted and approved as a Condition Endorsement prior to any approval under the *Building Act 2016*. The design drawings must:

- 1. Show the cross and long section of the driveway crossover within the highway reservation and onto the property,
- 2. Detail any services or infrastructure (i.e. light poles, pits, awnings) at or near the proposed driveway crossover,
- 3. Show swept path templates in accordance with AS/NZS 2890.1 2004(B85 or B99 depending on use, design template),
- 4. If the design deviates from the requirements of the TSD, then demonstrate that a B85 vehicle or a B99 depending on use (AS/NZS 2890.1 2004, section 2.6.2), can access the driveway from the road pavement into the property without scraping the vehicle's underside,
- 5. Show that vehicular and pedestrian sight lines are met as per AS/NZS 2890.1 2004, and,
- 6. Be prepared and certified by a suitably qualified person, to satisfy the above requirements.

All work required by this condition must be undertaken in accordance with the approved drawings.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit. Please note that your proposal does not include adjustment of footpath levels. Any adjustment to footpath levels necessary to suit the design of proposed floor, parking module or driveway levels will require separate agreement from Council's Program Leader Road Services and may require further planning approvals. It is advised to place a note to this affect on construction drawings for the site and/or other relevant engineering drawings to ensure that contractors are made aware of this requirement.

Reason for condition

To ensure that works will comply with the Council's standard requirements.

ENV₂

Sediment and erosion control measures, sufficient to prevent sediment leaving the site and in accordance with an approved soil and water management plan (SWMP), must be installed prior to the commencement

of work and maintained until such time as all disturbed areas have been stabilised and/or restored or sealed to the Council's satisfaction.

A SWMP must be submitted as a Condition Endorsement prior to the issue of any approval under the *Building Act 2016* or the commencement of work, whichever occurs first. The SWMP must be:

- prepared in accordance with the Soil and Water Management on Building and Construction Sites fact sheets (Derwent Estuary Program, 2008), and,
- reflect any Contamination Management Plan or Environmental Site Assessment for the site

All work required by this condition must be undertaken in accordance with the approved SWMP.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To avoid the pollution and sedimentation of roads, drains and natural watercourses that could be caused by erosion and runoff from the development.

HER 17a

The palette of exterior colours, materials and finishes must reflect the palette of colours, materials and finishes within the local streetscape and precinct.

Prior to the issue of any approval under the *Building Act 2016*, revised plans must be submitted and approved as a Condition Endorsement showing exterior colours, materials and finishes in accordance with the above requirement.

All work required by this condition must be undertaken in accordance with the approved plans.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that development at a heritage place/precinct is undertaken in a sympathetic manner which does not cause loss of historic cultural heritage significance.

ENVHE 1

Recommendations in the report GES Environmental Site Assessment 156 New Town Road, New Town, Tasmania, dated November 2020, must be implemented prior to the commencement of works.

Specifically:

- 1. Documentation stating the Underground Petroleum Storage System(UPSS) has been decommissioned and removed,
- Contamination Management Plan (CMP) relating to human receptors, including mitigation measures post construction for residential use, and also include soil management onsite during construction, and,
- 3. All contaminated soils must be managed in accordance with IB105 (EPA document and process).

Reason for condition

To ensure that the risk to future occupants of the building remain low and acceptable.

To manage excavated soils onsite in relation to contamination.

To ensure the safety of workers

ENVHE 4

A construction management plan must be implemented throughout the construction works.

A construction management plan must be submitted and approved as a Condition Endorsement prior to the issuing of any approval under the *Building Act 2016*. The plan must include but is not limited to the following:

- 1. Identification and disposal of any potentially contaminated waste and asbestos,
- 2. Proposed hours of work (including volume and timing of heavy vehicles entering and leaving the site, and works undertaken on site),

- 3. Proposed hours of construction,
- 4. Identification of potentially noisy construction phases, such as operation of rock- breakers, explosives or pile drivers, and proposed means to minimise impact on the amenity of neighbouring buildings,
- 5. Control of dust and emissions during working hours
- 6. Proposed screening of the site and vehicular access points during work, and,
- 7. Procedures for washing down vehicles, to prevent soil and debris being carried onto the street.

All work required by this condition must be undertaken in accordance with the approved construction management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure minimal impact on the amenity of adjoining properties and members of the public during the construction period.

SURV 16

The titles comprising the development site (CT 171514/1 and CT 171514/2) are to be adhered in accordance with the provisions of Section 110 of the *Local Government (Building and Miscellaneous Provisions) Act* 1993, to the satisfaction of Council prior to the issue of any building approval pursuant to the *Building Act 2016*, or the commencement of works on site (whichever occurs first).

Advice:

The application for an adhesion order to Council has a fee of \$300. Evidence will be required that the owners and mortgagees do not object to the adhesion. This condition will be considered to be satisfied when a copy of the receipt for the Land Titles Office lodgement slip for the adhesion order has been received by Council.

Reason for condition

To ensure compliance with statutory provisions

Part 5 r1

Prior to any works commencing on site (including demolition), the owner(s) of the property must enter into an agreement with the Council pursuant to Part 5 of the *Land Use Planning and Approvals Act 1993* with respect to the protection of the retaining wall adjacent to the New Town Road highway reservation.

The owner must not undertake any works (including excavation and building) that will have any effect on the integrity of the New Town Road highway reservation or any adjacent retaining structure.

All costs for the preparation and registration of the Part 5 Agreement must be met by the owner. The owner must comply with the Part 5 Agreement which will be placed on the property title.

Advice:

For further information with respect to the preparation of a Part 5 Agreement please contact Council's Development Engineering Unit.

Reason for condition

To ensure the protection of Council infrastructure.

SUB s1

The right of carriageway appurtenant to CT 7973/1 (18 Roope Street) over the Roadway shown on Plan No. 171514 burdening the titles comprising the development site (CT 171514/1 and CT 171514/2) is to be extinguished in accordance with the provisions of section 108 of the *Land Titles Act 1980* prior to the issue of any building approval pursuant to the *Building Act 2016*.

Reason for condition

To ensure that building works do not occur over the right of carriageway.

ADVICE

The following advice is provided to you to assist in the implementation of the planning permit that has been issued subject to the conditions above. The advice is not exhaustive and you must inform yourself of any other legislation, by-laws, regulations, codes or standards that will apply to your development under which you may need to obtain an approval. Visit the Council's website for further information.

Prior to any commencement of work on the site or commencement of use the following additional permits/approval may be required from the Hobart City Council.

CONDITION ENDORSEMENT

If any condition requires that further documents are submitted and approved, you will need to submit the relevant documentation to satisfy the condition via the Condition Endorsement Submission on Council's online services e-planning portal. Detailed instructions can be found here.

BUILDING PERMIT

You may need building approval in accordance with the *Building Act* 2016. Click here for more information.

This is a Discretionary Planning Permit issued in accordance with section 57 of the *Land Use Planning and Approvals Act 1993*.

PLUMBING PERMIT

You may need plumbing approval in accordance with the *Building Act* 2016, *Building Regulations* 2016 and the National Construction Code. Click here for more information.

OCCUPATION OF THE PUBLIC HIGHWAY

You may require a permit for the occupation of the public highway for construction or special event (e.g. placement of skip bin, crane, scissor lift etc). Click here for more information.

STORMWATER

Please note that in addition to a building and/or plumbing permit, development must be in accordance with the Hobart City Council's Infrastructure By law. Click here for more information.

REDUNDANT CROSSOVERS

Redundant crossovers are required to be reinstated under the Hobart City Council's

Infrastructure By law. Click here for more information.

NOISE REGULATIONS

Click here for information with respect to noise nuisances in residential areas.

WASTE DISPOSAL

It is recommended that the developer liaise with the Council's Cleansing and Solid Waste Unit regarding reducing, reusing and recycling materials associated with demolition on the site to minimise solid waste being directed to landfill.

Further information regarding waste disposal can also be found on the Council's website.

FEES AND CHARGES

Click here for information on the Council's fees and charges.

DIAL BEFORE YOU DIG

Click here for dial before you dig information before you dig information.

Attachment A: PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN

TAS 7008 - Planning Committee or Delegated

Report \mathbb{I}

Attachment B: PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN

TAS 7008 - CPC Agenda Documents 🎚 📸

Attachment C: PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN

TAS 7008 - Cultural Heritage Officer Report I

Attachment D: PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN

TAS 7008 - Urban Design Advisory Panel Report \$\Bar{\psi}\$

Adebe



APPLICATION UNDER HOBART INTERIM PLANNING SCHEME 2015

City of HOBART

Type of Report: Committee

Council: 14 June 2022

Expiry Date: 16 June 2022

Application No: PLN-22-272

Address: 156 NEW TOWN ROAD, NEW TOWN
Applicant: LXN ARCHITECTURE & CONSULTING

PO BOX 136

Proposal: Demolition, Subdivision (Lot Consolidation), and New Building for 19

Multiple Dwellings and Fitness Centre (Sports and Recreation)

Representations: Two representations.

Performance criteria: Urban Mixed Use Zone: Residential Amenity,

Potentially Contaminated Land Code: Excavation,

Road and Railway Assets Code: Sight distance at accesses, junctions and

level crossings,

Parking and Access Code: Number of Car Parking Spaces, Design of

Vehicular Accesses, and, Layout of Parking Areas,

Stormwater Management Code: Stormwater Drainage and Disposal, and, Historic Heritage Code: Demolition, Buildings and Works other than

Demolition, and, Subdivision.

1. Executive Summary

1.1 Planning approval is sought for Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation) at 156 New Town Road, New Town.

- 1.2 More specifically the proposal is to demolish the existing building on the site and to construct a new building that would contain a fitness centre and 19 multiple dwellings.
 - The new building would have three storeys and a basement. Car parking and storage is proposed in the basement. The fitness centre would be on the part of the ground floor of the building fronting onto New Town Road. The proposed apartment style dwellings would occupy the remaining parts of the development.
 - The proposed building would have a maximum height of 10m and a total floor area of 2938m².
 - Proposed external materials include face brickwork (sand and red), painted cement sheet (grey and light grey), powder-coated aluminium (white), prefinished metal sheet (grey), and pre-cast concrete (natural finish).
- 1.3 The proposal relies on performance criteria to satisfy the following standards and codes:
 - 1.3.1 15.0 Urban Mixed Use Zone 15.4 Development Standards for Buildings and Works
 - 1.3.2 E2.0 Potentially Contaminated Land Code E2.6 Development Standards
 - 1.3.3 E5.0 Road and Railway Assets Code E5.6 Development Standards
 - 1.3.4 E6.0 Parking and Access Code E6.6 Use Standards and E6.7 Development Standards
 - 1.3.5 E7.0 Stormwater Management Code E7.7 Development Standards
 - 1.3.6 E13.0 Historic Heritage Code E13.8 Development Standards for Heritage Precincts
- 1.4 Four (4) representations objecting to the proposal were received within the statutory advertising period between 9 and 23 May 2022.
- 1.5 The proposal was considered by the Urban Design Advisory Panel at its meeting of 29 March 2022. In the context of the provisions on which they were asked to comment, the Panel was broadly not supportive of the proposal.
- 1.6 The proposal is recommended for approval subject to conditions.
- 1.7 The final decision is delegated to the Council because a major development application is proposed.

2. Site Detail

- 2.1 The site is a commercial property at the southern edge of the New Town commercial area. The property has an area of 1474m² and frontage to New Town Road on its north-eastern boundary. The existing building on the site was originally constructed as a service station, however, it has been used for various commercial uses in recent years, including as a cafe and laundrette. The building is setback from the site frontage allowing for a wide driveway with separate egress and entry points. The site is generally level although its south-western corner falls away.
- 2.2 The site is within the Urban Mixed Use Zone of the *Hobart Interim Planning Scheme 2015*. The site is surrounded by a mix of commercial and residential uses, consistent with this zoning. These uses include offices and other professional services uses on the adjoining land to the north-west and south-east and multiple dwellings on the adjoining land to the west and south. A variety of commercial uses occur to the north and east of the site, on the opposite side of New Town Road. The site is within the New Town 4 Heritage Precinct identified by the planning scheme's Historic Heritage Code.
- 2.3 A site visit was conducted upon 11 April 2022. The adjoining property at 18 Roope Street was also visited.



Figure 1: aerial view of site (outlined in blue) and surrounding area.

3. Proposal

3.1 Planning approval is sought for Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation) at 156 New Town Road, New Town.

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 - The proposed building would have a maximum height of 10m and a total floor area of 2938m².
 - Proposed external materials include face brickwork (sand and red), painted cement sheet (grey and light grey), powder-coated aluminium (white), prefinished metal sheet (grey), and pre-cast concrete (natural finish).

4. Background

- 4.1 Council issued a Planning Permit for alterations, extension, and an outbuilding associated with a laundromat use on the site in December 2019 (see PLN-19-705).
- 4.2 A partial change of use to food services (cafe) & signage was approved on the site in July 2015 (via PLN-15-00598-01). A laundromat appears to have been an established use on the site at the time that this application was approved (see planner's report). Council provided confirmation that planning approval was not required for a change of use to a shop on the site (see PLN-15-00056-01) in January 2015. A planning scheme amendment was lodged in 2009 that sought approval for a change in the planning scheme to allow the site to be used as a saleyard. This amendment was not supported by Council.

- 4.3 Council received an application that sought approval for a development that is essentially similar to that currently proposed on 25 October 2021 (PLN-21-718). The development proposed in this application differed from the current proposal only in the design of the basement and ground floor levels. Following a request for information process, the application was placed on public exhibition from 24 March to 7 April 2022. Council received two representations regarding the application during this period. Once Council completed its assessment of the proposal at the end of the advertising period, the applicant was advised that the application would be recommended for refusal largely on grounds that it would have an unreasonable overshadowing impact upon adjoining residential properties. Faced within this advice, the applicant elected to withdraw the application and to revise the design to ensure that it complies with the acceptable solutions for the relevant boundary setback standards and to avoid the discretion that prompted the original design to be recommended for refusal.
- 4.4 The previous application (PLN-21-718) was considered by the Urban Design Advisory Panel at its meeting of 29 March 2022. In the context of the provisions on which they were asked to comment, the Panel was broadly not supportive of the proposal. The Panel's comments are included where relevant in section 6 of this report, and are discussed in section 7. The Panel's report is provided in full as an attachment to this report.

5. Concerns raised by representors

- 5.1 Four (4) representations objecting to the proposal were received within the statutory advertising period.
- 5.2 The following table outlines the concerns raised in the representations received. Those concerns which relate to a discretion invoked by the proposal are addressed in Section 6 of this report.

"This proposed development (PLN-22-272) is another example of recent developments in this area which fail to give due consideration to the long-term impact on traffic congestion and parking".

'This proposal will add to existing traffic and parking issues".

'the impact this proposed development will have on the amenity of the residents in the housing development accessed from Roope Street including, but not limited to, loss of privacy, lighting and noise given the fitness centre will be open to 9.00 pm on weekdays".

"Visually, this proposed development is unappealing, there is no set back from the main road, the courtyard is internal and there is no 'green space' to soften the street front of this development".

"This is another development application squeezing too many apartments onto a small footprint to maximise profits for the developer".

"the developer should be required to reduce the number of apartments and provide off-street parking for both residents and patrons of the Fitness Centre".

"My sunlight/natural light will be reduced in my kitchen/loungeroom windows due to the proposed dwelling being 10 metres high".

"The noise for the proposed dwellings it will make it very hard to hear the television or listen to music during the day. I will not be able to go out the back door into the garden or sit outside because the noise will be unbearable and also no privacy".

"I use my washing line daily expect when it is raining but if the proposed dwelling gets the go ahead, I will be not be able to use it due to reduced sunlight and dust".

"The unit at present is very quiet to live but with the proposed dwelling and fitness centre it will be very noisy due to the building being demolished and the new 19 multiple dwelling and fitness centre being built".

"The traffic in the area is all ready very buy and it gets congested a lot of the time due to buses, delivery vans, emergency vehicles and normal traffic. With the proposed dwelling this will create even more congestion due to tradesman parking their cars and finding somewhere to park".

"Where I live Roope Street is already full to the residents' cars outside their properties. There is not much parking around the proposed units/fitness centre site".

"we will lose privacy due to our backyards touching their backyards".

"The LXN architectural plan presented for the basement carparking (Drawing DA-05) is inconsistent with the Concept Services Plans by Gandy & Roberts showing a different basement carparking layout".

"The Heritage assessment prepared by Purcell submitted as part of documentation for this proposal does not identify the significant impact of the proposal on the heritage streetscape created by the Old Parsonage and Cross Street Church at this location".

"To reduce these impacts, we propose that the application be conditioned to require the reduction and redesign of the northwestern corner of the building to reduce the impact on the visibility of the Old Parsonage and Cross Street Church".

"We contend that this development is contrary to 15.1.1.6 in that it does not respond to the character of the streetscape, historic areas and buildings".

"On this basis we contend that the set back of the overall proposal from New Town Road is insufficient. The building must have a larger setback from ground level to be consistent with the majority of buildings that are substantially set back from the street and not have a detrimental impact on the heritage streetscape vista".

"Further information is required on how the Assumed Natural Ground Level has been calculated".

'Car parking for the gym should be provided within the proposal".

"Three non-fruiting pears are located in garden beds between the Old Parsonage car park and the southern lot boundary next to 156 New Town Road. We request that conditions be applied to the permit that they show how these trees are to be protected during construction".

"In this proposed development there is provision for only 26 car spaces. This is inadequate".

"The developer should be required to reduce the number of apartments and provide off-street parking for both residents and patrons of the proposed Fitness Centre".

6. Assessment

- 6.1 The Hobart Interim Planning Scheme 2015 is a performance based planning scheme. To meet an applicable standard, a proposal must demonstrate compliance with either an acceptable solution or a performance criterion. Where a proposal complies with a standard by relying on one or more performance criteria, the Council may approve or refuse the proposal on that basis. The ability to approve or refuse the proposal relates only to the performance criteria relied on.
- The site is located within the Urban Mixed Use Zone of the *Hobart Interim Planning Scheme 2015*.
- 6.3 The existing use appears to be Educational and occasional care. The proposed use is Residential (multiple dwellings) and Sport and recreation (fitness centre). The existing use is a discretionary use in the zone. The proposed uses are permitted (Residential component) and discretionary (Sports and recreation component) uses in the zone.
- 6.4 Clause 8.10.2 states that:

In determining an application for a permit for a discretionary use the planning authority must, in addition to the matters referred to in subclause 8.10.1, have regard to:

- (a) the purpose of the applicable zone;
- (b) any relevant local area objective or desired future character statement for the applicable zone;
- (c) the purpose of any applicable code; and
- (d) the purpose of any applicable specific area plan,

but only insofar as each such purpose, local area objective or desired future character statement is relevant to the particular discretion being exercised.

Therefore, the proposed discretionary use (i.e. the proposed fitness centre) must be considered with regard to the above matters. The proposed fitness centre is considered to be consistent with the purpose of the applicable zone, i.e. the Urban Mixed Use Zone, as the proposal would provide for the integration of residential and commercial activities on the site (see 15.1.1.1). The fitness centre would also generate activity and pedestrian movement at street level (see 15.1.1.2). The site is accessible by public transport as it is upon a Metro Tasmania bus route. The site is adjacent to residential areas so is also accessible by walking and cycling (see 15.1.1.5). Given that the development would have mostly glazed walls within the ground level facade, its materials and openings are considered to contribute

positively to the streetscape (see 15.1.1.8), although the comments from UDAP regarding the covering of glazed surfaces with obscure film are noted (see attached report). The proposal is considered to provide an appropriate level of amenity for the proposed residential use proposed on the site (see 15.1.1.9) by incorporating appropriate attenuation measures for the proposed fitness centre. There are no local area objectives or desired future character statements for the Urban Mixed Use Zone.

The proposal is considered to be consistent with the purpose of the applicable codes. The following codes are applicable:

- E2.0 Potentially Contaminated Land Code,
- E5.0 Road and Railway Assets Code,
- E6.0 Parking and Access Code,
- E7.0 Stormwater Management Code, and
- E13.0 Historic Heritage Code.

The proposal is considered to be consistent with the purpose of the Potentially Contaminated Land Code as it is supported by an Environmental Site Assessment which demonstrates that potential contamination on the site may be managed in a way such that it does not adversely impact on human health or the environment. The proposal is consistent with the purpose of the Road and Railway Assets Code as it is supported by a Traffic Impact Assessment which demonstrates that it would maintain the safety and efficiency of the road network. The TIA also demonstrates that sufficient parking would be provided for the use and development on the site. The proposal is therefore consistent with the purpose of the Parking and Access Code. The proposal demonstrates that stormwater from the development would be managed in a way that furthers the State Stormwater Strategy. The proposal is therefore consistent with the purpose of the Stormwater Management Code. The proposal is consistent with the purpose of the Historic Heritage Code because the historic cultural heritage significance of the precinct surrounding the site would be protected.

There is no applicable specific area plan. The proposal is considered to comply with clause *8.10.2*.

- 6.5 The proposal has been assessed against:
 - 6.5.1 15.0 Urban Mixed Use Zone
 - 6.5.2 E2.0 Potentially Contaminated Land Code
 - 6.5.3 E6.0 Parking and Access Code

- 6.5.4 E7.0 Stormwater Management Code
- 6.5.5 E13.0 Historic Heritage Code
- 6.6 The proposal relies on the following performance criteria to comply with the applicable standards:
 - 6.6.1 15.0 Urban Mixed Use Zone:
 - 15.4.8 Residential Amenity P1 and P3.
 - 6.6.2 E2.0 Potentially Contaminated Land Code:
 - E2.6.2 Excavation.
 - 6.6.3 E5.0 Road and Railway Assets Code:
 - E5.6.4 Sight distance at accesses, junctions and level crossings.
 - 6.6.4 E6.0 Parking and Access Code:
 - E6.6.1 Number of Car Parking Spaces,
 - E6.7.2 Design of Vehicular Accesses, and,
 - E6.7.5 Layout of Parking Areas.
 - 6.6.5 E7.0 Stormwater Management Code:
 - E7.7.1 Stormwater Drainage and Disposal P1 and P2.
 - 6.6.6 E13.0 Historic Heritage Code:
 - E13.8.1 Demolition,
 - E13.8.2 Buildings and Works other than Demolition P1, and,
 - E13.8.3 Subdivision P1, P2, and P3.
- 6.7 The relevant performance criteria are assessed below.
- 6.8 15.4.8 Residential Amenity P1
 - 6.8.1 The acceptable solution A1 at clause 15.4.8 requires a dwelling to have a habitable room window (other than a bedroom) that faces within 30 degrees of north.

- 6.8.2 The proposal includes several dwellings that would not have a habitable room window that would face within 30 degrees of north. Apartments 6 to 10 and apartments 14, 16, and 17 would not have a north facing habitable room window.
- 6.8.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
- 6.8.4 The performance criterion P1 at clause 15.4.8 provides as follows:
 - A dwelling must be sited and designed to optimise sunlight to at least one habitable room (other than a bedroom).
- 6.8.5 Apartments 7 to 10 and apartment 17 would have substantial glazed areas to living areas within the north-east elevation of proposed building. This arrangement would allow for sunlight to enter the living areas during morning periods and at midday. Apartment 6 would also have glazing to living areas that is orientated to the north-east, as well as a larger area of glazing to these areas that would be orientated to the north-west. This arrangement would allow for sunlight to enter the living area of this apartment throughout the day. Apartment 16 would have glazing to living areas that would be orientated to the north-west which would allow for sunlight to enter these areas during afternoon periods. Therefore, the siting and design of apartments 6 to 10 and apartments 16 and 17 is considered to provide a reasonable level of residential amenity by allowing sunlight to enter a habitable room.
- 6.8.6 The only external glazing for apartment 14 would face nearly due south. The apartment would therefore not receive any direct sunlight and its siting and design could not be said to optimise sunlight to a habitable room. However, it is noted that apartment 14 would have only one bedroom and that it would be the only apartment within the development that would not receive direct sunlight. Therefore, the proposal is considered to be consistent with the objective for the above clause as it would generally provide a reasonable level of residential amenity.
- 6.8.7 The proposal complies with the above performance criterion.
- 6.9 15.4.8 Residential Amenity P3
 - 6.9.1 The acceptable solution A3 at clause 15.4.8 requires outdoor living space to be provided for a dwelling that has an area no less than 10m² and a

width no less than 2m.

- 6.9.2 The proposal includes several dwellings that would not be provided with outdoor living space that would have the required width. Except for apartments 11 and 14, all of the apartments proposed on level 1 of the development (i.e., apartments 6 to 10 and 12, 13, and 15) would not be provided with outdoor living space that would have the required width.
- 6.9.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
- 6.9.4 The performance criterion P3 at clause 15.4.8 provides as follows:
 - Outdoor living space must be provided for a dwelling with dimensions sufficient for the projected requirements of the occupants.
- 6.9.5 Apartments 7 to 10 would have areas of outdoor living space with areas greater than 12m² and a minimum width of approximately 1.7m. These areas would be on the north-eastern side of the respective dwelling and would be adjacent to the respective living area. Therefore, these areas of outdoor living space are considered to provide for the projected requirements of the future occupants, such as outdoor dining and relaxation and some limited planting. Similarly, the outdoor living space proposed for apartment 6 would also be greater than 12m² and located adjacent to the living area proposed for this apartment. Therefore, this outdoor living space is also considered to provide for the projected requirements of the occupants.
- 6.9.6 While smaller areas of outdoor living space are proposed for apartments 12, 13, and 15 (i.e., these areas are only slightly above the minimum 10m² required by the acceptable solution), each of these spaces would include an area that would have dimensions of at least 2m x 3m. These areas are considered to provide for projected requirements such as outdoor dining for example, as they could accommodate a small outdoor dining setting and a BBQ. The remainder of the space provided for each of these apartments would be much narrower but would allow for other projected requirements such as storage or limited planting.
- 6.9.7 The proposal complies with the above performance criterion.
- 6.10 E2.5 Use Standards

- 6.10.1 The acceptable solution at clause *E2.5* requires the Director (as defined in EMPCA 1994), or a person approved by the Director for the purpose of the Potentially Contaminated Land Code, to either certify that the land is suitable for an intended sensitive use, or, to approve a plan to manage contamination and associated risk to human health or the environment that will ensure that the land is suitable for the intended use.
- 6.10.2 The proposal does not include certification from either the Director or a person approved by the Director and does not include a plan approved by the Director.
- 6.10.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
- 6.10.4 The performance criterion at clause *E2.5* provides as follows:

Land is suitable for the intended use, having regard to:

- (a) an environmental site assessment that demonstrates there is no evidence the land is contaminated; or
- (b) an environmental site assessment that demonstrates that the level of contamination does not present a risk to human health or the environment; or
- (c) a plan to manage contamination and associated risk to human health or the environment that includes:
- (i) an environmental site assessment;
- (ii) any specific remediation and protection measures required to be implemented before any use commences; and
- (iii) a statement that the land is suitable for the intended use.
- 6.10.5 An Environmental Site Assessment was provided with the application. The ESA includes the following conclusions:

"There were no human health guideline exceedances for dermal contact, soil vapour intrusion or trench worker vapour risk. There were no HIL guideline exceedances for dust inhalation and ingestion at commercial land use class, but there were exceedances at residential and recreational land use for Benzo(a)pyrene and Lead. If developments include open space or residential apartments at ground level, the site will require a Contamination Management Plan (CMP) relating to human receptors prior to soil disturbance during construction, and including

mitigation measures post construction".

Council's Environmental Health Officer has reviewed the above recommendation and recommended that a condition of approval require a Contamination Management Plan (CMP) to be submitted to Council, prior to construction of the development commencing.

6.10.6 The ESA also states that:

"There is potential for ecological impact from hydrocarbons and heavy metals entering the waterway or impacting other ecological receptors during excavation, and a Stormwater Management Plan (SWMP) is required, to control erosion of excavated soil that may have an ecological impact".

The standard condition of approval requiring a Stormwater Management Plan to be developed for the site and implemented prior to construction of the development commencing should be included upon any Planning Permit issued for the proposal, in accordance with this recommendation.

6.10.7 The proposal complies with the above performance criterion.

6.11 E2.6.2 Excavation

- 6.11.1 There is no acceptable solution for clause E2.6.2 which applies where works involving excavation of potentially contaminated land are proposed.
- 6.11.2 The proposal includes excavation of potentially contaminated land.
- 6.11.3 As there is no acceptable solution for the above clause the proposal therefore relies upon assessment against the below performance criterion.
- 6.11.4 The performance criterion at clause *E2.6.2* provides as follows:

Excavation does not adversely impact on health and the environment, having regard to:

- (a) an environmental site assessment that demonstrates there is no evidence the land is contaminated; or
- (b) a plan to manage contamination and associated risk to human

health and the environment that includes:

- (i) an environmental site assessment;
- (ii) any specific remediation and protection measures required to be implemented before excavation commences; and
- (iii) a statement that the excavation does not adversely impact on human health or the environment.
- 6.11.5 As noted above, an ESA was provided with the application which includes recommendations regarding remediation and protection measures. A condition of approval is recommended that requires these measures to the be implemented, including the development and implementation of a CMP for the development.
- 6.11.6 The proposal complies with the above performance criterion.
- 6.12 E5.6.4 Sight distance at accesses, junctions and level crossings
 - 6.12.1 The acceptable solution at clause *E5.6.4* requires sight distances at an access to comply with the Safe Intersection Sight Distance (SISD) shown in Table E5.1.
 - 6.12.2 The proposal includes an access that does not comply with the SISD shown in Table E5.1.
 - 6.12.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
 - 6.12.4 The performance criterion at clause *E5.6.4* provides as follows:

The design, layout and location of an access, junction or rail level crossing must provide adequate sight distances to ensure the safe movement of vehicles, having regard to:

- (a) the nature and frequency of the traffic generated by the use;
- (b) the frequency of use of the road or rail network;
- (c) any alternative access;
- (d) the need for the access, junction or level crossing;
- (e) any traffic impact assessment;
- (f) any measures to improve or maintain sight distance; and
- (g) any written advice received from the road or rail authority.

- 6.12.5 Council's Senior Development Engineer has assessed the sight distances at the proposed access against the above performance criterion and provided the following comments:
 - "enough information for assessment was provided by Gandy and Roberts and therefore can be supported under a performance based assessment and will be subject to design conditions".
- 6.12.6 The proposal complies with the above performance criterion.
- 6.13 E6.6.1 Number of Car Parking Spaces
 - 6.13.1 The acceptable solution at clause *E6.6.1* requires the number of on-site car parking spaces to be no less than the number specified in Table E6.1.
 - 6.13.2 The proposal includes less than the number of on-site car parking spaces specified in Table E6.1. 31 car parking spaces are required for the proposed residential use. 26 car parking spaces are proposed for the residential use. 17 spaces are required for the proposed fitness centre (4.5 spaces required per 100m² of floor area, 360m² of floor area proposed for this use) but no on-site car parking would be provided for this use.
 - 6.13.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
 - 6.13.4 The performance criterion at clause *E6.6.1* provides as follows:

The number of on-site car parking spaces must be sufficient to meet the reasonable needs of users, having regard to all of the following:

- (a) car parking demand;
- (b) the availability of on-street and public car parking in the locality;
- (c) the availability and frequency of public transport within a 400m walking distance of the site;
- (d) the availability and likely use of other modes of transport;
- (e) the availability and suitability of alternative arrangements for car parking provision;
- (f) any reduction in car parking demand due to the sharing of car parking spaces by multiple uses, either because of variation of car parking demand over time or because of efficiencies gained from the consolidation of shared car parking spaces;

- (g) any car parking deficiency or surplus associated with the existing use of the land:
- (h) any credit which should be allowed for a car parking demand deemed to have been provided in association with a use which existed before the change of parking requirement, except in the case of substantial redevelopment of a site;
- (i) the appropriateness of a financial contribution in lieu of parking towards the cost of parking facilities or other transport facilities, where such facilities exist or are planned in the vicinity;
- (j) any verified prior payment of a financial contribution in lieu of parking for the land:
- (k) any relevant parking plan for the area adopted by Council;
- (I) the impact on the historic cultural heritage significance of the site if subject to the Local Heritage Code;
- (m) whether the provision of the parking would result in the loss, directly or indirectly, of one or more significant trees listed in the Significant Trees Code.
- 6.13.5 Council's Senior Development Engineer has assessed the proposed number of car parking spaces against the above performance criterion and provided the following comments:
 - "Car parking is deficient by 5 car spaces for the residents which
 includes visitor car parking is supported based on the traffic impacts
 assessment provided by Hubble Traffic stating the availability of on
 street parking in the surrounding areas has adequate capacity to
 absorb the deficiency.
 - The deficiency of 17 car parking spaces for the gym is supported based on the traffic impacts assessment by Hubble Traffic stating the availability of on street parking in the surrounding areas has adequate capacity to absorb the deficiency.
 - It is unclear if DDA spaces for the Gym are required. None are provided on site.
 - The support for this clause is due to the fact that almost all residents receive their allocation of private car parking according to HIPS 2015".
- 6.13.6 The proposal complies with the above performance criterion.
- 6.14 E6.7.2 Design of Vehicular Accesses
 - 6.14.1 The acceptable solution at clause *E6.7.2* requires a non-commercial vehicle access to comply with section 3 "Access Facilities to Off-street

- Parking Areas and Queuing Areas" of AS/NZS 2890.1:2004 Parking Facilities Part 1: Off-street car parking.
- 6.14.2 The proposal includes a non-commercial access that does not comply with the above section of the Australian Standard.
- 6.14.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
- 6.14.4 The performance criterion at clause *E6.7.2* provides as follows:

Design of vehicle access points must be safe, efficient and convenient, having regard to all of the following:

- (a) avoidance of conflicts between users including vehicles, cyclists and pedestrians;
- (b) avoidance of unreasonable interference with the flow of traffic on adjoining roads;
- (c) suitability for the type and volume of traffic likely to be generated by the use or development;
- (d) ease of accessibility and recognition for users.
- 6.14.5 Council's Senior Development Engineer has assessed the proposed design of the vehicular access against the above performance criterion and provided the following comment:

"Queuing area exceeds the maximum 10% gradient required in the Australian Standard and no evidence that queuing will extend into the road or cause any detriment to the users and there fore can be supported".

- 6.14.6 The proposal complies with the above performance criterion.
- 6.15 E6.7.5 Layout of Parking Areas
 - 6.15.1 The acceptable solution at clause *E6.7.5* requires the layout of car parking spaces to comply with section 2 "Design of Parking Modules, Circulation Roadways and Ramps" of *AS/NZS 2890.1:2004 Parking Facilities Part 1: Off-street car parking.*
 - 6.15.2 The proposal includes car parking spaces that do not comply with the above section of the Australian Standard.

- 6.15.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
- 6.15.4 The performance criterion at clause *E6.7.5* provides as follows:
 - The layout of car parking spaces, access aisles, circulation roadways and ramps must be safe and must ensure ease of access, egress and manoeuvring on-site.
- 6.15.5 Council's Senior Development Engineer has assessed the proposed layout of parking areas against the above performance criterion and provided the following comments:
 - "Multi-Jockey parking is not ideal and the result of an over developed site. The proposed jockey spaces can be supported because of improved parking area maneuverability from the increased in parking bay width, increase in aisle width, and turning bay provided".
- 6.15.6 The proposal complies with the above performance criterion.
- 6.16 E7.7.1 Stormwater Drainage and Disposal P1
 - 6.16.1 The acceptable solution A1 at clause *E7.7.1* requires stormwater from new impervious surfaces to be disposed of by gravity to public stormwater infrastructure.
 - 6.16.2 The proposal includes an arrangement in which stormwater from a new impervious surface would not be disposed of by gravity to public stormwater infrastructure. The basement of the proposed development and stormwater from other areas that cannot be drained via gravity would rely upon a pump system.
 - 6.16.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
 - 6.16.4 The performance criterion P1 at clause *E7.7.1* provides as follows:
 - Stormwater from new impervious surfaces must be managed by any of the following:
 - (a) disposed of on-site with soakage devices having regard to the

suitability of the site, the system design and water sensitive urban design principles

- (b) collected for re-use on the site;
- (c) disposed of to public stormwater infrastructure via a pump system which is designed, maintained and managed to minimise the risk of failure to the satisfaction of the Council.
- 6.16.5 Council's Technical Officer Environmental has assessed the proposed stormwater management arrangements against the above performance criterion and advised that the proposed pump system is a "very low risk to others as contained in basement carpark".
- 6.16.6 The proposal complies with the above performance criterion.
- 6.17 E7.7.1 Stormwater Drainage and Disposal P2
 - 6.17.1 The acceptable solution A2 at clause *E7.7.1* requires a stormwater system for a new development to incorporate water sensitive urban design principles for the treatment and disposal of stormwater if the size of new impervious area is more than 600m² and new car parking is provided for more than 6 cars.
 - 6.17.2 The proposal includes more than 600m² of new impervious area and new car parking for more than 6 cars but does not incorporate water sensitive urban design principles.
 - 6.17.3 The proposal does not comply with the above acceptable solution and therefore relies upon assessment against the below performance criterion.
 - 6.17.4 The performance criterion P2 at clause E7.7.1 provides as follows:

A stormwater system for a new development must incorporate a stormwater drainage system of a size and design sufficient to achieve the stormwater quality and quantity targets in accordance with the State Stormwater Strategy 2010, as detailed in Table E7.1 unless it is not feasible to do so.

6.17.5 Council's Technical Officer - Environmental has assessed the proposed stormwater management arrangements against the above performance criterion and advised that the "concept treatment design of Ocean Protect Stormfilters, Ocean Guards, and SPEL Hydrochannel has been proposed and modelled as achieving the treatment targets".

- 6.17.6 The proposal complies with the above performance criterion.
- 6.18 E13.8.1 Demolition
 - 6.18.1 There is no acceptable solution for clause *E13.8.1* which applies where demolition is proposed on a site that is within a heritage precinct.
 - 6.18.2 The proposal includes demolition and the site is within the New Town 4 Heritage Precinct.
 - 6.18.3 As there is no acceptable solution for the above clause the proposal therefore relies upon assessment against the below performance criterion.
 - 6.18.4 The performance criterion at clause *E13.8.1* provides as follows:

Demolition must not result in the loss of any of the following:

- (a) buildings or works that contribute to the historic cultural heritage significance of the precinct;
- (b) fabric or landscape elements, including plants, trees, fences, paths, outbuildings and other items, that contribute to the historic cultural heritage significance of the precinct; unless all of the following apply;
- (i) there are, environmental, social, economic or safety reasons of greater value to the community than the historic cultural heritage values of the place;
- (ii) there are no prudent or feasible alternatives;
- (iii) opportunity is created for a replacement building that will be more complementary to the heritage values of the precinct.
- 6.18.5 Council's Cultural Heritage Officer has assessed the proposed demolition against the above performance criterion and provided the following comment:

"The site does not contain any buildings or works that possess historic cultural heritage value as defined in the statements of significance in Table E13.2. The loss of historic heritage values is not anticipated as a function of the proposed demolition. Clause *E13.8.1* P1 is satisfied".

The CHO's full report on the proposal is provided as an attachment.

- 6.18.6 The proposal complies with the above performance criterion.
- 6.19 E13.8.2 Buildings and Works other than Demolition P1
 - 6.19.1 There is no acceptable solution A1 for clause *E13.8.2* which applies where buildings and works other than demolition are proposed on a site that is within a heritage precinct.
 - 6.19.2 The proposal includes buildings and works other than demolition and the site is within the New Town 4 Heritage Precinct.
 - 6.19.3 As there is no acceptable solution for the above clause the proposal therefore relies upon assessment against the below performance criterion.
 - 6.19.4 The performance criterion P1 at clause *E13.8.2* provides as follows:
 - Design and siting of buildings and works must not result in detriment to the historic cultural heritage significance of the precinct, as listed in Table E13.2.
 - 6.19.5 Council's Cultural Heritage Officer has assessed the proposed buildings and works against the above performance criterion and concluded that:
 - "Siting and design choices are logical and sensible rather than inspired, but are unlikely to result in detriment to the historic cultural heritage significance of the precinct. Extant period buildings would endure and continue to be able to be viewed from public spaces in New Town Road providing high quality examples of their respective architectural periods".
 - 6.19.6 The proposal complies with the above performance criterion.
- 6.20 E13.8.3 Subdivision P1
 - 6.20.1 There is no acceptable solution A1 for clause *E13.8.3* which applies where subdivision is proposed on a site that is within a heritage precinct.
 - 6.20.2 The proposal includes subdivision (lot consolidation) and the site is within the New Town 4 Heritage Precinct.
 - 6.20.3 As there is no acceptable solution for the above clause the proposal

therefore relies upon assessment against the below performance criterion.

6.20.4 The performance criterion P1 at clause *E13.8.3* provides as follows:

Subdivision must not result in any of the following:

- (a) detriment to the historic cultural heritage significance of the precinct, as listed in Table E13.2;
- (b) a pattern of subdivision unsympathetic to the historic cultural heritage significance of the precinct;
- (c) potential for a confused understanding of the development of the precinct;
- (d) an increased likelihood of future development that is incompatible with the historic cultural heritage significance of the precinct.
- 6.20.5 Council's Cultural Heritage Officer has assessed the proposed subdivision (lot consolidation) against the above performance criterion and provided the following comments:

"The original lot of the now demolished Rose Cottage is thus being reformed. Therefore, the proposed subdivision (lot consolidation) would be consistent with historic patterns of development".

6.20.6 The proposal complies with the above performance criterion.

7. Discussion

7.1 Planning approval is sought for Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation) at 156 New Town Road, New Town.

- 7.2 The application was advertised and received four representations. The representations raised concerns including the potential for a reduction in sunlight to habitable rooms and private open space on an adjoining property, noise impacts during construction of the development, traffic impacts, car parking impacts, privacy impacts, and heritage impacts. One of the representations suggests that an increase in the buildings setback from New Town Road is required in order for it to be consistent with nearby buildings and to not have a detrimental impact upon the "heritage streetscape". The representation requests that a condition of approval be included upon any Planning Permit issued for the proposal that requires trees on an adjoining property to be protected during construction of the development. The issues raised in the representations are responded to below.
- 7.3 As detailed in the background section of the report, the proposal was revised to ensure that the development complies with the relevant boundary setbacks (i.e., the setbacks prescribed by the acceptable solutions for clause 15.4.2). Therefore, while the proposal would have a significant impact upon residential amenity as a result of its overshadowing, visual, and privacy impacts upon adjoining residential properties, it should be approved.
- 7.4 While noise impacts associated with the construction of a development are generally regulated by the *Environmental Management and Pollution Control Act* 1994, should the proposal be approved, it would be possible to place further controls upon construction via a Construction Management Plan. This plan may mitigate impacts upon adjoining residential properties associated with the construction of the development to some extent.
- 7.5 The proposal is supported by a Traffic Impact Assessment which concludes that its impact upon the local road network would be acceptable and that there is adequate on-street car parking available in the surrounding area to compensate for the shortfall in car parking that would be provided on the site. The proposal is also supported by a Heritage Impact Assessment and has been assessed by Council's Cultural Heritage Officer. Both assessments conclude that the proposal would not have an unacceptable impact upon heritage values.
- 7.6 There is no justification within the planning scheme for Council to place a condition upon a Planning Permit that attempts to protect trees on an adjoining property that is not part of the application, particularly where those trees are not recognised in the Significant Trees Code.
- 7.7 The proposal has been assessed against the provisions of the planning scheme and is considered to comply with all relevant provisions.

- 7.8 The proposal has been assessed by other Council officers, including the Council's Senior Development Engineer and its Cultural Heritage Officer. The officers have raised no objection to the proposal, subject to conditions.
- 7.9 The proposal was considered by the Urban Design Advisory Panel at its meeting of 29 March 2022. The Panel's comments are provided in full as an attachment to this report. In the context of the provisions on which they were asked to comment, the Panel was broadly not supportive of the proposal. The Panel made the following comments which are considered to be consistent with the comments made above at 7.3:

"The Panel support the development's intent to provide a variety of dwelling types but were concerned regarding the impact of the proposed development on residents of the neighbouring properties to the south. The proposal will present an overbearing presence, and overlook and overshadow these properties. The Panel felt the development was trying to put too much yield on the site, compounded by the approach to open up the space between apartments facing to New Town Road and to the south. Where the application has tried to meet development standards, and at times has not achieved compliance, it does so by failing to address the impact on the amenity of the neighbouring properties to the south".

The Panel also commented that:

"The Panel was also concerned with the public edge to the street including the window finish to the commercial tenancy. It was noted there was no awning to the commercial frontage, typical to the precinct. To reinforce the commercial character of ground floor activities in the precinct, the panel would like to see a condition on any potential permit that the glazing remained clear and not opaque or treated with vinyl, to maintain visibility between outside and inside".

It is agreed that a condition that seeks to limit or prevent the use of opaque glazing or film within the facade of the proposed commercial tenancy should be included upon any Planning Permit issued for the development, consistent with the above comments and clause 15.4.3 Design of the planning scheme.

7.10 The proposal is recommended for approval.

8. Conclusion

Item No. 3.1.1

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8.1 The proposed Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation) at 156 New Town Road, New Town, satisfies the relevant provisions of the *Hobart Interim Planning Scheme 2015* and is recommended for approval.

9. Recommendations

That:

Pursuant to the *Hobart Interim Planning Scheme 2015*, the Council approve the application for Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation) at 156 New Town Road, New Town, for the reasons outlined in the officer's report and a permit containing the following conditions be issued:

GEN

The use and/or development must be substantially in accordance with the documents and drawings that comprise PLN-22-272 - 156 NEW TOWN ROAD NEW TOWN TAS 7008 - Final Planning Documents.

Reason for condition

To clarify the scope of the permit.

TW

The use and/or development must comply with the requirements of TasWater as detailed in the form Submission to Planning Authority Notice, Reference No. TWDA 2022/00654-HCC dated 12/5/2022 as attached to the permit.

Reason for condition

To clarify the scope of the permit.

PLN 14

Prior to the issue of any approval under the *Building Act 2016* (excluding for demolition), revised plans must be submitted and approved as a Condition Endorsement that demonstrate that the habitable rooms of the dwellings adjacent to New Town Road will achieve internal noise levels in accordance with relevant Australian Standards for acoustics control (including *AS3671:1989 – Road Traffic Noise Intrusion (Building Siting and Construction)* and *AS2107:2016 – Acoustics (Recommended Design Sound Levels and Reverberation Times for Building Interiors)*).

The revised plans must be certified by a suitably qualified person as demonstrating likely compliance with the above requirement. All work required by this condition must be undertaken in accordance with the approved

revised plans.

Advice: This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that buildings for residential use provide reasonable levels of residential amenity.

PLN₆

Hours of operation for the fitness centre (except for office and administrative tasks) must be within:

- 7.00 am to 9.00 pm Mondays to Fridays inclusive;
- 8.00 am to 6.00 pm Saturdays;
- 9.00 am to 5.00 pm Sundays and Public Holidays.

Reason for condition

To ensure that non-residential use does not unreasonably impact on residential amenity

PLN s1

The combined area of windows and door openings at ground floor level in the front façade of the approved building must be equivalent to no less than 40% of the surface area of the ground floor level façade, unless further planning approval is obtained. Any glazing provided within the front façade at ground floor level must have predominantly clear glass and must not be obscured through the use of obscure glass or film, or otherwise obscured without further planning approval.

Reason for condition

To ensure that building design for non-residential uses contributes positively to the streetscape.

ENG 12

A construction waste management plan must be implemented throughout construction.

A construction waste management plan must be submitted and approved as a Condition Endorsement, prior to commencement of work on the site. The construction waste management plan must include:

- Provisions for commercial waste services for the handling, storage, transport and disposal of post-construction solid waste and recycle bins from the development; and,
- Provisions for the handling, transport and disposal of demolition material, including any contaminated waste and recycling opportunities, to satisfy the above requirement.

All work required by this condition must be undertaken in accordance with the approved construction waste management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

It is recommended that the developer liaise with the Council's City Resilience Unit regarding reducing, reusing and recycling materials associated with demolition on the site to minimise solid waste being directed to landfill. Further information can also be found on the Council's website.

Reason for condition

To ensure that solid waste management from the site meets the Council's requirements and standards.

ENG sw1

All stormwater from the proposed development (including but not limited to: roofed areas, ag drains, and impervious surfaces such as driveways and paved areas) must be drained to the Council's stormwater infrastructure prior to first occupation or commencement of use (whichever occurs first).

All impervious areas which can be drained to New Town Road via gravity (including charged systems) must be drained via gravity. The pump system must be limited to capture stormwater only from areas which cannot be drained via gravity. All pump rising main discharges must occur to a private dispersion pit such that only gravity flow from the property to the Council stormwater connection.

Advice:

Under section 23 of the Urban Drainage Act 2013 it is an offence for a property owner to direct stormwater onto a neighbouring property.

Reason for condition

To ensure that stormwater from the site will be discharged to a suitable Council approved outlet, and the pump system is designed and maintained to minimise risk to third-party land.

SW 7

Prior to occupancy or the commencement of the use (whichever occurs first), any new stormwater connection must be constructed and existing redundant connection(s) be abandoned and sealed at the owner's expense.

Prior to the issuing of any approval under the *Building Act 2016* or commencement of works (whichever occurs first), detailed engineering drawings must be submitted and approved. The detailed engineering drawings must include:

- the location of the proposed connections and all existing connections, including details of abandonment of the existing redundant connections,
- the size and design of the connection such that it is appropriate to safely service the development,
- clearances from any nearby obstacles (eg services, crossovers, trees, poles, walls),
- 4. long-sections of the proposed connection clearly showing levels, cover, size, grade, material and delineation of public and private infrastructure;
- 5. connections which are free-flowing gravity driven, and,
- 6. be in general accordance with Council's departures from the LGAT Tasmanian Standard Drawings, available from here.

All work required by this condition must be undertaken in accordance with the approved detailed engineering drawings.

Advice: Upgraded or new connections can be approved separately from the CEP process, via the Application for New Connection form available from here. The approved stormwater connection documents must be included in your plumbing permit application document set and listed in accompanying forms.

A single connection for the property is required under the Urban Drainage Act 2013.

SW 9

Prior to occupancy or the commencement of the approved use (whichever occurs first), stormwater pre-treatment and detention for stormwater discharges from the development must be installed.

A stormwater management report and design must be submitted and approved as a Condition Endorsement, prior to the issue of any approval under the *Building Act 2016* or the commencement of work on the site (whichever occurs first). The stormwater management report and design must be prepared by a suitably qualified engineer and must:

- include detailed design and long-section of the proposed treatment train, including final estimations of contaminant removal and driving head requirements;
- 2. include detailed design and supporting calculations of the detention tank showing:
 - detention tank sizing such that there is no increase in flows from the developed site up to 5% AEP event and flows do not exceed the receiving capacity of the kerb and gutter as per the planning documentation;
 - the layout and long section showing the inlet and outelt, any internal weir, outlet size, overflow mechanism and invert levels;
 - · the discharge rates and emptying times; and
 - · all assumptions must be clearly stated;
- 3. include a supporting maintenance plan, which specifies the required maintenance measures to check and ensure the ongoing effective operation of all systems, such as: inspection frequency; cleanout procedures; descriptions and diagrams of how the installed systems operate; details of the life of assets and replacement requirements.

All work required by this condition must be undertaken and maintained in accordance with the approved stormwater management report and design.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

ENG 13

An ongoing waste management plan for all commercial and domestic waste and recycling must be implemented post construction.

A waste management plan must be submitted and approved as a Condition Endorsement, prior to commencement of work on the site. A waste management plan must include:

- 1. the number of bins,
- 2. adequate bin storage area,
- 3. bin cleaning area that is appropriately drained,
- 4. the method of collection,
- 5. the time of day of collection; the frequency of collection,
- access to bin storage areas, including consideration of gradient, site lines, manoeuvring, direction of vehicle movement and pedestrian access;
- distance from vehicle stopping point to bins if not collected on site, and,
- 8. confirmation by a private contractor that they are able and willing to provide collection services according to the waste management plan.

All work required by this condition must be undertaken in accordance with the approved waste management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that solid waste management from the site meets the Council's requirements and standards and collecting waste do not compromise the safety, amenity and convenience of surrounding occupants, vehicular traffic, parking, cyclists, pedestrians and other road and footpath users

ENG tr1

Traffic management within the access driveway, circulation roadway and parking module (parking spaces and aisles) must be installed prior to the commencement of the use.

Traffic management design drawing(s) (including signage and line marking), must be submitted and approved as a Condition Endorsement, prior to the issue of any approval under the *Building Act 2016* or the commencement of

works on site (whichever occurs first). The design drawing(s) and management plan must show but not limited to, the following information:

- 1. Be prepared by a suitably qualified person,
- 2. Signage indicating that the car parking area is a private car park,
- Signage to be installed at the driveway entrance/exit informing users access is restricted to left in – left out only (as per Clause 3.2.3 of AS2890.1),
- Pavement arrows for the control and direction of circulating traffic within the car park and associated access in accordance with Australian/NZS Standard, Parking facilities Part 1: Off-street car parking AS/NZS 2890.1: 2004,
- The turning bay must be must be delineated by means of white or yellow pavement lines and suitable signage.
- 6. Pedestrian safety bollards for egress to/from lifts and doorways, and,
- 7. Delineation of pedestrian pathways.

All work required by this condition must be undertaken in accordance with the approved traffic management design drawings.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

In the interests of user safety and the amenity of the occupiers of the development.

ENG tr2

A construction traffic and parking management plan must be implemented prior to the commencement of work on the site (including demolition).

The construction traffic (including cars, public transport vehicles, service vehicles, pedestrians and cyclists) and parking management plan must be submitted and approved as a Condition Endorsement, prior to commencement work (including demolition). The construction traffic and parking management plan must:

- 1. Be prepared by a suitably qualified person.
- 2. Develop a communications plan to advise the wider community of the traffic and parking impacts during construction.

- Include a start date and finish dates of various stages of works.
- Include times that trucks and other traffic associated with the works will be allowed to operate.
- 5. Nominate a superintendent, or the like, to be responsible for the implementation of the approved traffic management plan and available as a direct contact to Council and/or members of the community regarding day to day construction traffic operations at the site, including any immediate traffic issues or hazards that may arise.

All work required by this condition must be undertaken in accordance with the approved construction traffic and parking management plan.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure the safety of vehicles entering and leaving the development and the safety and access around the development site for the general public and adjacent businesses.

ENG 2a

Prior to first occupation or commencement of use (whichever occurs first), vehicular barriers compliant with the Australian Standard AS/NZS 1170.1:2002 must be installed to prevent vehicles running off the edge of an access driveway or parking module (parking spaces, aisles and manoeuvring area) where the drop from the edge of the trafficable area to a lower level is 600mm or greater, and wheel stops (kerb) must be installed for drops between 150mm and 600mm. Barriers must not limit the width of the driveway access or parking and turning areas approved under the permit.

Advice:

The Council does not consider a slope greater than 1 in 4 to constitute a lower level as described in AS/NZS 2890.1:2004 Section 2.4.5.3. Slopes greater than 1 in 4 will require a vehicular barrier or wheel stop.

Designers are advised to consult the National Construction Code 2016 to determine if pedestrian handrails or safety barriers compliant with the Code are also required in the parking module this area may be considered as a path of access to a building.

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Reason for condition

To ensure the safety of users of the access driveway and parking module and compliance with the standard.

ENG 3a

The access driveway and parking area must be constructed and line marked in accordance with the following documentation which forms part of this permit: Basement Plan / DA-05 / Revision C/ dated 04/05/2022.

The works required by this condition must be completed prior to first occupation.

Reason for condition

To ensure the safety of users of the access and parking module, and compliance with the relevant Australian Standard.

ENG_{3c}

Prior to the first occupation, a suitably qualified engineer must certify that all aspects of the the access driveway and parking area have been constructed in accordance with design drawings approved by Condition ENG 3a.

Advice:

We strongly encourage you to speak to your engineer before works begin so that you can discuss the number and nature of the inspections they will need to do during the works in order to provide this certification. It may be necessary for a surveyor to also be engaged to ensure that the driveway will be constructed as approved.

The reason this condition has been imposed as part of your planning permit is that the driveway is outside the Australian Standard gradients or design parameters. If the driveway is not constructed as it has been approved then this may mean that the driveway will either be unsafe or will not function properly.

An example certificate is available on our website.

Reason for condition

To ensure the safety of users of the access and parking module, and compliance with the relevant Australian Standard.

ENG 4

The access driveway and parking module (car parking spaces, aisles and manoeuvring area) approved by this permit must be constructed to a sealed standard (spray seal, asphalt, concrete, pavers or equivalent Council approved) and surface drained to the Council's stormwater infrastructure prior to first occupation or commencement of use (whichever occurs first).

Reason for condition

To ensure the safety of users of the access driveway and parking module, and that it does not detract from the amenity of users, adjoining occupiers or the environment by preventing dust, mud and sediment transport.

ENG 5

All parking spaces must be delineated by means of white or yellow lines 80mm to 100mm wide, or white or yellow pavement markers in accordance with Australian Standards AS/NZS 2890.1 2004, prior to first occupation or commencement of use, whichever occurs first.

- The number of car parking spaces approved on the site is twenty six (26),
- The number of motorcycle parking spaces approved on the site is two
 (2).
- The number of bicycle parking spaces approved on the site is twelve (12).
- No visitor parking is provided on site,
- A minimum of one (1) parking space must be allocated to each dwelling, and,
- Each pair of tandem parking spaces must serve the same dwelling.

Reason for condition

To ensure the provision of parking for the use is safe and efficient.

ENG₁

Any damage to council infrastructure resulting from the implementation of this permit, must, at the discretion of the Council:

 Be met by the owner by way of reimbursement (cost of repair and reinstatement to be paid by the owner to the Council); or 2. Be repaired and reinstated by the owner to the satisfaction of the Council.

A photographic record of the Council's infrastructure adjacent to the subject site must be provided to the Council prior to any commencement of works.

A photographic record of the Council's infrastructure (e.g. existing property service connection points, roads, buildings, stormwater, footpaths, driveway crossovers and nature strips, including if any, pre-existing damage) will be relied upon to establish the extent of damage caused to the Council's infrastructure during construction. In the event that the owner/developer fails to provide to the Council a photographic record of the Council's infrastructure, then any damage to the Council's infrastructure found on completion of works will be deemed to be the responsibility of the owner.

Reason for condition

To ensure that any of the Council's infrastructure and/or site-related service connections affected by the proposal will be altered and/or reinstated at the owner's full cost.

ENG_{r1}

The excavation and/or earth-retaining structures (i.e. cuttings, retaining walls) and/or footings within or supporting the highway reservation must not undermine the stability and integrity of the highway reservation and its infrastructure.

Detailed design drawings, structural certificates, and associated geotechnical assessments of the basement building wall supporting the New Town Road highway reservation must be submitted and approved as a Condition Endorsement, prior to the commencement of work and must:

- Be prepared and certified by a suitably qualified person and experienced engineer,
- 2. Not undermine the stability of the highway reservation,
- 3. Take into account any additional surcharge loadings as required by relevant Australian Standards,
- 4. Take into account and reference accordingly any Geotechnical findings,
- 5. Detail any mitigation measures required,
- 6. Detail the design and location of the footing adjacent to the New Town Road highway reservation, and,
- 7. Include a structural certificate which notes the excavation near the

highway will not adversely impact the stability of the road reservation.

The structural certificates and drawings should note the above. All work required by this condition must be undertaken in accordance with the approved design drawings and structural certificates.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that the stability and integrity of the Council's highway reservation is not compromised by the development.

ENG r3

Prior to the commencement of use, the proposed driveway crossover on the New Town Road highway reservation must be designed and constructed in general accordance with:

- Urban TSD-R09-v3 Urban Roads Driveways and TSD R14-v3 Type KC vehicular crossing,
- Redundant vehicle crossovers to be reinstated TSD-R14-v3 Type KC kerb and channel, and,
- Footpath Urban Roads Footpaths TSD-R11-v3.

Design drawings must be submitted and approved as a Condition Endorsement prior to any approval under the *Building Act 2016*. The design drawings must:

- 1. Show the cross and long section of the driveway crossover within the highway reservation and onto the property,
- Detail any services or infrastructure (i.e. light poles, pits, awnings) at or near the proposed driveway crossover,
- Show swept path templates in accordance with AS/NZS 2890.1 2004(B85 or B99 depending on use, design template),
- If the design deviates from the requirements of the TSD, then demonstrate that a B85 vehicle or a B99 depending on use (AS/NZS 2890.1 2004, section 2.6.2), can access the driveway from the road pavement into the property without scraping the vehicle's underside,
- 5. Show that vehicular and pedestrian sight lines are met as per AS/NZS

2890.1 2004, and,

Be prepared and certified by a suitably qualified person, to satisfy the above requirements.

All work required by this condition must be undertaken in accordance with the approved drawings.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit. Please note that your proposal does not include adjustment of footpath levels. Any adjustment to footpath levels necessary to suit the design of proposed floor, parking module or driveway levels will require separate agreement from Council's Program Leader Road Services and may require further planning approvals. It is advised to place a note to this affect on construction drawings for the site and/or other relevant engineering drawings to ensure that contractors are made aware of this requirement.

Reason for condition

To ensure that works will comply with the Council's standard requirements.

ENV₂

Sediment and erosion control measures, sufficient to prevent sediment leaving the site and in accordance with an approved soil and water management plan (SWMP), must be installed prior to the commencement of work and maintained until such time as all disturbed areas have been stabilised and/or restored or sealed to the Council's satisfaction.

A SWMP must be submitted as a Condition Endorsement prior to the issue of any approval under the *Building Act 2016* or the commencement of work, whichever occurs first. The SWMP must be:

- prepared in accordance with the Soil and Water Management on Building and Construction Sites fact sheets (Derwent Estuary Program, 2008), and,
- reflect any Contamination Management Plan or Environmental Site Assessment for the site.

All work required by this condition must be undertaken in accordance with the approved SWMP.

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Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for Condition

To avoid the pollution and sedimentation of roads, drains and natural watercourses that could be caused by erosion and runoff from the development.

HER 17a

The palette of exterior colours, materials and finishes must reflect the palette of colours, materials and finishes within the local streetscape and precinct.

Prior to the issue of any approval under the *Building Act 2016*, revised plans must be submitted and approved as a Condition Endorsement showing exterior colours, materials and finishes in accordance with the above requirement.

All work required by this condition must be undertaken in accordance with the approved plans.

Advice:

This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Reason for condition

To ensure that development at a heritage place/precinct is undertaken in a sympathetic manner which does not cause loss of historic cultural heritage significance.

ENVHE 1

Recommendations in the report GES Environmental Site Assessment 156 New Town Road, New Town, Tasmania, dated November 2020, must be implemented prior to the commencement of works.

Specifically:

 Documentation stating the Underground Petroleum Storage System (UPSS) has been decommissioned and removed,

- Contamination Management Plan (CMP) relating to human receptors, including mitigation measures post construction for residential use, and also include soil management onsite during construction, and,
- 3. All contaminated soils must be managed in accordance with IB105 (EPA document and process).

Reason for condition

- To ensure that the risk to future occupants of the building remain low and acceptable.
- To manage excavated soils onsite in relation to contamination.
- · To ensure the safety of workers

ENVHE 4

A construction management plan must be implemented throughout the construction works.

A construction management plan must be submitted and approved as a Condition Endorsement prior to the issuing of any approval under the *Building Act 2016*. The plan must include but is not limited to the following:

- 1. Identification and disposal of any potentially contaminated waste and asbestos,
- 2. Proposed hours of work (including volume and timing of heavy vehicles entering and leaving the site, and works undertaken on site),
- 3. Proposed hours of construction,
- Identification of potentially noisy construction phases, such as operation of rock- breakers, explosives or pile drivers, and proposed means to minimise impact on the amenity of neighbouring buildings,
- 5. Control of dust and emissions during working hours,
- Proposed screening of the site and vehicular access points during work, and,
- Procedures for washing down vehicles, to prevent soil and debris being carried onto the street.

All work required by this condition must be undertaken in accordance with the approved construction management plan.

Advice: This condition requires further information to be submitted as a Condition Endorsement. Refer to the Condition Endorsement advice at the end of this permit.

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

Reason for condition

To ensure minimal impact on the amenity of adjoining properties and members of the public during the construction period.

SURV 16

The titles comprising the development site (CT 171514/1 and CT 171514/2) are to be adhered in accordance with the provisions of Section 110 of the *Local Government (Building and Miscellaneous Provisions) Act 1993*, to the satisfaction of Council prior to the issue of any building approval pursuant to the *Building Act 2016*, or the commencement of works on site (whichever occurs first).

Advice:

The application for an adhesion order to Council has a fee of \$300. Evidence will be required that the owners and mortgagees do not object to the adhesion. This condition will be considered to be satisfied when a copy of the receipt for the Land Titles Office lodgement slip for the adhesion order has been received by Council.

Reason for condition

To ensure compliance with statutory provisions

Part 5 r1

Prior to any works commencing on site (including demolition), the owner(s) of the property must enter into an agreement with the Council pursuant to Part 5 of the *Land Use Planning and Approvals Act 1993* with respect to the protection of the retaining wall adjacent to the New Town Road highway reservation.

The owner must not undertake any works (including excavation and building) that will have any effect on the integrity of the New Town Road highway reservation or any adjacent retaining structure.

All costs for the preparation and registration of the Part 5 Agreement must be met by the owner. The owner must comply with the Part 5 Agreement which will be placed on the property title.

Advice:

For further information with respect to the preparation of a Part 5 Agreement please

contact Council's Development Engineering Unit.

Reason for condition

To ensure the protection of Council infrastructure.

SUB s1

The right of carriageway appurtenant to CT 7973/1 (18 Roope Street) over the Roadway shown on Plan No. 171514 burdening the titles comprising the development site (CT 171514/1 and CT 171514/2) is to be extinguished in accordance with the provisions of section 108 of the *Land Titles Act 1980* prior to the issue of any building approval pursuant to the *Building Act 2016*.

Reason for condition

To ensure that building works do not occur over the right of carriageway.

ADVICE

The following advice is provided to you to assist in the implementation of the planning permit that has been issued subject to the conditions above. The advice is not exhaustive and you must inform yourself of any other legislation, by-laws, regulations, codes or standards that will apply to your development under which you may need to obtain an approval. Visit the Council's website for further information.

Prior to any commencement of work on the site or commencement of use the following additional permits/approval may be required from the Hobart City Council.

CONDITION ENDORSEMENT

If any condition requires that further documents are submitted and approved, you will need to submit the relevant documentation to satisfy the condition via the Condition Endorsement Submission on Council's online services e-planning portal. Detailed instructions can be found here.

BUILDING PERMIT

You may need building approval in accordance with the *Building Act 2016*. Click here for more information.

This is a Discretionary Planning Permit issued in accordance with section 57 of the *Land Use Planning and Approvals Act 1993*.

PLUMBING PERMIT

You may need plumbing approval in accordance with the *Building Act 2016*, *Building Regulations 2016* and the National Construction Code. Click here for more information.

OCCUPATION OF THE PUBLIC HIGHWAY

You may require a permit for the occupation of the public highway for construction or special event (e.g. placement of skip bin, crane, scissor lift etc). Click here for more information.

STORMWATER

Please note that in addition to a building and/or plumbing permit, development must be in accordance with the Hobart City Council's Infrastructure By law. Click here for more information.

REDUNDANT CROSSOVERS

Redundant crossovers are required to be reinstated under the Hobart City Council's Infrastructure By law. Click here for more information.

NOISE REGULATIONS

Click here for information with respect to noise nuisances in residential areas.

WASTE DISPOSAL

It is recommended that the developer liaise with the Council's Cleansing and Solid Waste Unit regarding reducing, reusing and recycling materials associated with demolition on the site to minimise solid waste being directed to landfill.

Further information regarding waste disposal can also be found on the Council's website.

FEES AND CHARGES

Click here for information on the Council's fees and charges.

DIAL BEFORE YOU DIG

Click here for dial before you dig information.

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

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ATTACHMENT A

Item No. 3.1.1

(Adam Smee)

Development Appraisal Planner

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.

(Ben Ikin)

Senior Statutory Planner

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.

Date of Report: 25 May 2022

Attachment(s):

Attachment B - CPC Agenda Documents

Attachment C - Cultural Heritage Officer Report

Attachment D - Urban Design Advisory Panel Report



PLN-22-272 - 156 NEW TOWN ROAD

Application Information

Application Details PLN-22-272 Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple

Dwellings and Fitness Centre (Sports and Recreation)

Submitted on: 05/05/2022 Accepted as Valid on: 05/05/2022 Target Time Frame: 42 Days.

Elapsed Time: 0 Days Expiry date: 16/06/2022

Officer: Adam Smee

Have you obtained pre application advice?



If YES please provide the pre application advice number eg PAE-17-xx

Are you applying for permitted visitor accommodation as defined by the State Government Visitor Accommodatio information button for definition. If you are not the owner of the property you MUST include signed confirmation f aware of this application.



Is the application for SIGNAGE ONLY? If yes, please enter \$0 in the cost of development, and you must enter the r Other Details below. *



If this application is related to an enforcement action please enter Enforcement Number

Details

What is the current approved use of the land / building(s)? *

Commercial

Please provide a full description of the proposed use or development (i.e. demolition and new dwelling, swimming and garage)

New mixed use building

Estimated cost of development *

7000000.00

Existing floor area (m2) Proposed floor area (m2) Site area (m2)

1474 0.00 2938.00

Total parking spaces	Existing parking spaces	N/A	
26	0	☑ Other (no select chosen)	ion
Other Details			
Does the application includ	e signage? *		No
bocs the application melaa	e signage :		110
	ter 0 if there are none involved in		110
How many signs, please en			
How many signs, please en this application? *	ter 0 if there are none involved in		
How many signs, please en this application? *	ter 0 if there are none involved in		



Submission to Planning Authority Notice

Council Planning Permit No.	PLN-22-272		Cou	ncil notice date	5/05/2022	
TasWater details	TasWater details					
TasWater Reference No.	TWDA 2022/00654-HCC		Date	e of response	12/05/2022	
TasWater Contact	Al Cole Phone No.		0439605108			
Response issued to						
Council name	CITY OF HOBART					
Contact details	coh@hobartcity.com.au					
Development deta	ils					
Address	156 NEW TOWN RD, NEW TOWN		Property ID (PID) 5516671			
Description of development	Demolition, Title Consolidation, and New Building for 19 Multiple Dwellings and Sports and Recreation					
Schedule of drawings/documents						
Prepared by D		Drawing/	document No.		Revision No.	Date of Issue
LXN	Proposed Site Plan/DA-04			С	4/5/2022	

JMG

Pursuant to the *Water and Sewerage Industry Act* 2008 (TAS) Section 56P(1) TasWater imposes the following conditions on the permit for this application:

Concept Servicing Plan/C021

CONNECTIONS, METERING & BACKFLOW

- A suitably sized water supply with metered connections and sewerage system and connections to the development must be designed and constructed to TasWater's satisfaction and be in accordance with any other conditions in this permit.
 - **Advice**: TasWater will not accept direct fire boosting from the network unless it can be demonstrated that the periodic testing of the system will not have a significant negative effect on our network and the minimum service requirements of other customers serviced by the network. To this end break tanks may be required with the rate of flow into the break tank controlled so that peak flows to fill the tank do not also cause negative effect on the network.
- Any removal/supply and installation of water meters and/or the removal of redundant and/or
 installation of new and modified property service connections must be carried out by TasWater at
 the developer's cost.
- Prior to commencing construction/use of the development, any water connection utilised for construction/the development must have a backflow prevention device and water meter installed, to the satisfaction of TasWater.

56W CONSENT

4. Prior to the issue of the Certificate for Certifiable Work (Building) and/or (Plumbing) by TasWater the applicant or landowner as the case may be must make application to TasWater pursuant to section 56W of the Water and Sewerage Industry Act 2008 for its consent in respect of that part of the development which is built within a TasWater easement or over or within two metres of TasWater infrastructure.

03/03/2022



DEVELOPMENT ASSESSMENT FEES

5. The applicant or landowner as the case may be, must pay a development assessment fee of \$699.36, to TasWater, as approved by the Economic Regulator and the fee will be indexed, until the date paid to TasWater.

The payment is required within 30 days of the issue of an invoice by TasWater.

Advice

General

For information on TasWater development standards, please visit https://www.taswater.com.au/building-and-development/technical-standards

For application forms please visit https://www.taswater.com.au/building-and-development/development-application-form

Service Locations

Please note that the developer is responsible for arranging to locate the existing TasWater infrastructure and clearly showing it on the drawings. Existing TasWater infrastructure may be located by a surveyor and/or a private contractor engaged at the developers cost to locate the infrastructure. The location of this infrastructure as shown on the GIS is indicative only.

56W Consent

The plans submitted with the application for the Certificate for Certifiable Work (Building) and/or (Plumbing) will need to show footings of proposed buildings located over or within 2.0m from TasWater pipes and will need to be designed by a suitably qualified person to adequately protect the integrity of TasWater's infrastructure, and to TasWater's satisfaction, be in accordance with AS3500 Part 2.2 Section 3.8 to ensure that no loads are transferred to TasWater's pipes. These plans will need to also include a cross sectional view through the footings which clearly shows;

- (a) Existing pipe depth and proposed finished surface levels over the pipe;
- (b) The line of influence from the base of the footing must pass below the invert of the pipe and be clear of the pipe trench and;
- (c) A note on the plan indicating how the pipe location and depth were ascertained.
- (d) The location of the property service connection and sewer inspection opening (IO).

Boundary Trap Area

The proposed development is within a boundary trap area and the developer will need to provide a boundary trap that prevents noxious gases or persistent odours back venting into the property's sanitary drain. The boundary trap is to be be contained within the property boundaries and the property owner remains responsible for the ownership, operation and maintenance of the boundary trap.

Declaration

The drawings/documents and conditions stated above constitute TasWater's Submission to Planning Authority Notice.

TasWater Contact Details			
Phone	13 6992	Email	development@taswater.com.au
Mail	GPO Box 1393 Hobart TAS 7001	Web	www.taswater.com.au



4 May 2022

Ben Ikin Senior Statutory Planner Hobart City Council GPO Box 503 HOBART 7001

Dear Ben

New Application for a Planning Permit - 156 New Town Road

Please see attached a new application for a planning permit for the redevelopment of 156 New Town Road. This proposal has been amended to increase the setback of the lower level of the building to the western boundary and the proposal now complies with the Acceptable Solution for height and siting. Any impacts to the neighbouring properties by way of siting, shadowing, privacy or visual impact are therefore deemed acceptable under the planning scheme.

The amended proposal also includes an amended basement level carpark and some other minor alterations to the upper portions of the building to reduce the mass of the building and improve solar access to some of the proposed decks.

The proposal including the basement level carpark layout is shown on the architectural plans. To the extent that there is any inconsistency between the architectural plans and the engineering plans, the architectural plans prevail.

The applicant would have no objection to the inclusion of conditions on the permit requiring detailed engineering plans to match the architectural plans prior to building approval.

I would be pleased to discuss as necessary.

Yours sincerely

Frazer Read Principal

All Urban Planning Pty Ltd

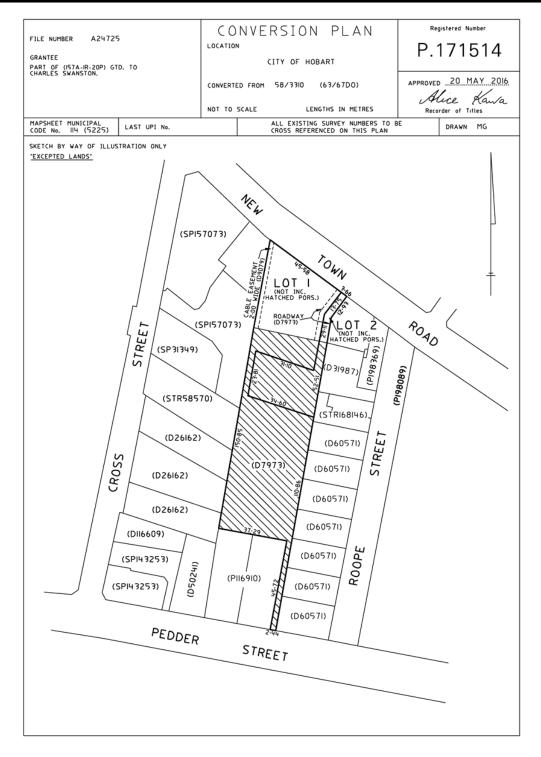


FOLIO PLAN

RECORDER OF TITLES



Issued Pursuant to the Land Titles Act 1980



Page 1 of 1

Page 79 ATTACHMENT B



RESULT OF SEARCH

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



SEARCH OF TORRENS TITLE

VOLUME	FOLIO
171514	1
EDITION	DATE OF ISSUE
3	20-Sep-2017

SEARCH DATE : 20-Oct-2021 SEARCH TIME : 02.49 PM

DESCRIPTION OF LAND

City of HOBART Lot 1 on Plan 171514 Being the land described in Conveyance No.58/3310 Derivation: Part of 157A-1R-20P Gtd.to Charles Swanston Derived from A24725

SCHEDULE 1

M627844 TRANSFER to RENEWAL DEVELOPMENTS PTY LTD Registered 25-May-2017 at 12.01 PM

SCHEDULE 2

Reservations and conditions in the Crown Grant if any 58/3310 BURDENING EASEMENT: Cable Right (appurtenant to Lot 1 on Diagram No.D7973) over the Cable Easement 2.00 wide shown on Plan No.171514

58/3310 BURDENING EASEMENT: Right of Carriageway (appurtenant to Lot 1 on Diagram No.D7973)over the Roadway shown on Plan No.171514

E106386 MORTGAGE to MyState Bank Limited Registered 20-Sep-2017 at noon

UNREGISTERED DEALINGS AND NOTATIONS

E229547 RELEASE of easement Lodged by SULTAN HOLDINGS on 16-Apr-2021 BP: E229547

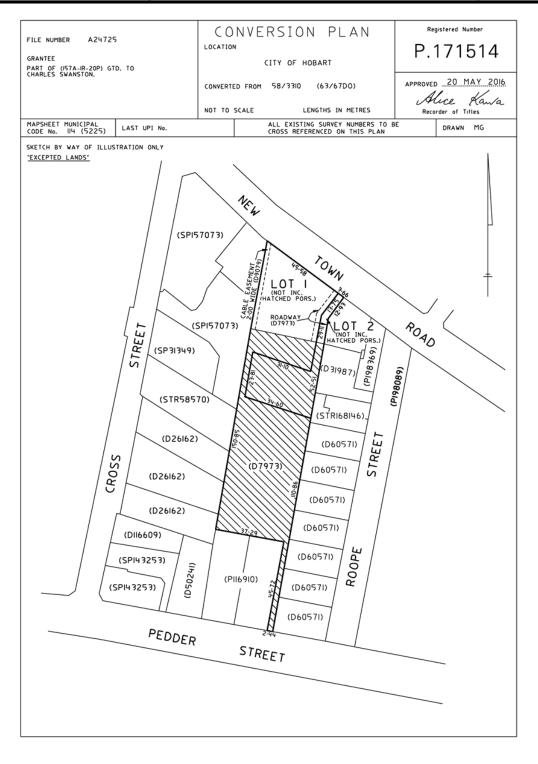


FOLIO PLAN

RECORDER OF TITLES







Search Date: 20 Oct 2021

Search Time: 02:50 PM

Volume Number: 171514

Revision Number: 03

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RESULT OF SEARCH

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



SEARCH OF TORRENS TITLE

VOLUME	FOLIO
171514	2
EDITION	DATE OF ISSUE
2	07-Aug-2020

SEARCH DATE : 20-Oct-2021 SEARCH TIME : 02.50 PM

DESCRIPTION OF LAND

City of HOBART Lot 2 on Plan 171514 Being the land secondly described in Conveyance No.58/3310 Derivation: Part of 157A-1R-20P Gtd. to Charles Swanston Derived from A24725

SCHEDULE 1

M627844 TRANSFER to RENEWAL DEVELOPMENTS PTY LTD Registered 25-May-2017 at 12.01 PM

SCHEDULE 2

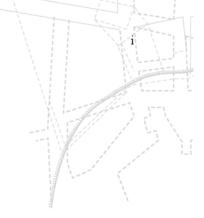
Reservations and conditions in the Crown Grant if any 50/2236 BURDENING EASEMENT: Right of Carriageway (appurtenant to Lot 1 on Diagram No.D7973)over the Roadway shown on Plan No.171514

M830517 MORTGAGE to MyState Bank Limited Registered 07-Aug-2020 at noon

UNREGISTERED DEALINGS AND NOTATIONS

E229547 RELEASE of easement Lodged by SULTAN HOLDINGS on $16\text{-}\mathrm{Apr-}2021$ BP: E229547





Planning Report 156 New Town Road Mixed Use Redevelopment



Date 4 May 2022

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1. Introduction

All Urban Planning Pty Ltd has been engaged by Alirenste Pty Ltd to prepare the following planning assessment for a new mixed use development at 156 New Town Road under the provisions of the *Hobart Interim Planning Scheme 2015* (planning scheme).

This report has been updated 4 May 2022 to include an updated assessment for the amended proposal that sets the building including the basement level at least 3m back from the western boundary of the site. The proposal now complies with the Acceptable Solution for height and siting. Any impacts to the neighbouring properties by way of siting, shadowing, privacy or visual impact are therefore deemed acceptable under the planning scheme.

The amended proposal also includes an amended basement level carpark and some other minor alterations to the upper portions of the building to reduce the mass of the building and improve solar access to some of the proposed decks.

1.1Site & Surrounds

The proposal relates to 156 New Town Road, CT 171514/1 and CT 171514/2 on the southern side of New Town Road between Cross and Roope Streets. The site (both titles) has an area of 1474m².

The site is located adjacent to the east of the former parsonage heritage site at 160 New Town Road. It also adjoins the Cat Clinic at 150 New Town Road to the east and single storey residential units to the rear.



Figure 1- Site Plan (source annotated from theList)

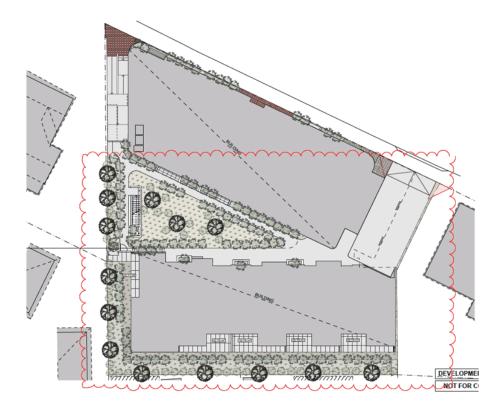


Figure 2 – proposed site plan (Source: LXN Architects)

2. Proposal

The proposal is for redevelopment of the site for a new 3 storey building plus carparking basement. It includes a ground level commercial tenancy and 19 apartments. The use and development is detailed as follows:

2.1Development

- · Demolition of the existing former service station building
- A new 3 storey building with carparking basement with a single ground floor commercial tenancy and 19 residential apartments each with a private deck
- 26 basement carparking spaces and 12 bicycle spaces accessed from a ramp on the eastern end of the New Town Road frontage
- Consolidation of the two titles

2.2Use

Basement

• 26 carparking spaces including 7 jockey spaces, 12 secure bicycle parking spaces, 2 motorcycle spaces.

Ground Floor

- a commercial tenancy totalling 370m² to be used as a gym (fitness centre)
- 6 x bicycle parking spaces adjacent to the western side of the building
- 5 x 2 bedroom apartments
- 2 x access to apartment Nos. 7 and 8
- · Landscaped triangular communal open space courtyard
- bin storage for 2 x 1100l 1x 660l wheelie bins.

Level 1

• 1 x 1 bed apartment, 6 x 2 bedroom apartments and 3 x 3 bedroom apartments

Level 2

• 1 x 2 bedroom apartment and 3 x 3 bedroom apartments

Fitness Centre - hours of operation

The fitness centre will operate between the hours of:

- 7am to 9pm Monday to Friday
- · 8am to 6pm Saturday
- 9am to 5pm Sunday and public holidays.

The complex aims to reflect a contemporary ambition for sustainable inner city living.

The building has been designed and orientated for a high level of passive solar amenity with full width balconies with northerly aspect provided for most apartments. The apartments with a westerly aspect enjoy views to kunanyi/ Mt Wellington and across the New Town and Lenah Valley townscape.

Generous setbacks and central courtyard space deliver both light and natural cross ventilation to the apartments.

The site location allows reduced reliance on car travel.

A sense of community is provided with its New Town 'village' location, generous shared spaces including courtyard and landscaping.

3. The Planning Scheme

Under Clause 8.10.1 of the planning scheme the planning authority must, in addition to the matters required by ss51(2) of the Act, take into consideration:

- (a) all applicable standards and requirements in this planning scheme; and
- (b) any representations received pursuant to and in conformity with ss57(5) of the Act,

but in the case of the exercise of discretion, only insofar as each such matter is relevant to the particular discretion being exercised.

A standard is applicable if the site is within the relevant zone and the standard deals with a matter that could affect or be affected by the proposed development; cl.7.5.2.

A standard is defined to mean the objective for a particular planning issue and the means for satisfying that objective through either an acceptable solution or corresponding performance criterion.

Compliance with a standard is achieved by complying with either the acceptable solution or corresponding performance criterion; cl.7.5.3.

The objective of the standard may be considered to help determine whether the proposed use or development complies with the performance criterion of that standard; cl.7.5.4. The acceptable solution is not relevant to the assessment of the corresponding performance criteria.

Discretionary uses are to be determined with regard to the zone purpose and the purpose of any applicable code.

3.1 Urban Mixed Zone

The site is zoned Urban Mixed Use and adjoins the Inner Residential Zone to the rear including properties fronting Roope and Cross Streets.



Figure 3 - Zoning plan (Source: iplan)

The Zone Purpose Statements under Clause 15.1.1 are as follows:

- 15.1.1.1 To provide for integration of residential, retail, community services and commercial activities in urban locations.
- 15.1.1.2 To encourage use and development at street level that generates activity and pedestrian movement through the area.
- 15.1.1.3 To provide for design that maximises the amenity at street level including considerations of microclimate, lighting, safety, and pedestrian connectivity.
- 15.1.1.4 To ensure that commercial use are consistent with the activity centre hierarchy.
- 15.1.1.5 To ensure development is accessible by public transport, walking and cycling.
- 15.1.1.6 To provide for a diversity of uses at densities responsive to the character of streetscapes, historic areas and buildings and which do not compromise the amenity of surrounding residential areas.
- 15.1.1.7 To encourage the retention of existing residential uses and the greater use of underutilised sites as well as the reuse and adaptation of existing buildings for uses with a scale appropriate to the site and area.
- 15.1.1.8 To ensure that the proportions, materials, openings and decoration of building facades contribute positively to the streetscape and reinforce the built environment of the area in which the site is situated.
- 15.1.1.9 To maintain an appropriate level of amenity for residential uses without unreasonable restriction or constraint on the nature and hours of commercial activities.
- 15.1.1.10 To ensure that retail shopping strips do not develop along major arterial roads within the zone.

The proposal for integrated commercial and residential development of an underutilised site in this established urban location is consistent with Purpose Statements 15.1.1.1 and 15.15.1.1.7. The proposal is also considered to further Purpose Statements 15.1.1.5 for accessibility by multiple modes of transport as well as 15.1.1.2, 15.1.1.3, 15.1.1.6 and 15.1.1.8 that requiring that the design and amenity impacts from the proposal are responsive to the character of the area. These matters are discussed further below in relation to the detailed provisions of the planning scheme.

3.2 Local Area Objectives & Desired Future Character Statements

There are no Local Area Objectives or Statements of Desired Future Character.

3.3 Use Table

The proposal involves residential (multiple dwellings) and a ground floor gym (fitness centre) use.

- Residential is a Permitted Use in the Zone.
- The fitness centre falls within the Sports and recreation Use Class and is discretionary in the Zone.

Under Clause 8.10.2, in determining the proposed discretionary fitness centre use the planning authority must, in addition to the matters referred to in subclause 8.10.1, have regard to:

- (a) the purpose of the applicable zone;
- (b) any relevant local area objective or desired future character statement for the applicable zone;
- (c) the purpose of any applicable code; and

(d) the purpose of any applicable specific area plan,

but only insofar as each such purpose, local area objective or desired future character statement is relevant to the particular discretion being exercised.

Having regard to these considerations, in this case the ground level fitness centre use is considered acceptable in that:

- The fitness centre will be integrated into this mixed use proposal and provide a commercial activity to support this inner urban locality (15.1.1.1)
- The fitness centre use will generate ground floor activity and pedestrian movement throughout the day (15.1.1.2)
- It is anticipated that the fitness centre will be predominantly used by residents of the surrounding area
 or those travelling past the site on the way to and from the City. It will provide a valuable amenity to
 support the health and fitness of the community and will not undermine the activity centre hierarchy
 (15.1.1.4)
- The fitness centre is located on the New Town Road bus routes and will be accessible by public transport, walking from the surrounding areas of New Town, Lenah Valley and Moonah and includes bike storage for those travelling to the site by bicycle (15.1.1.5)
- The fitness centre contributes to a diversity of uses at a scale that is compatible with the uses along this section of New Town Road (15.1.1.6)
- The proposal forms part of a mixed use development on an underutilised site incorporating residential (15.1.1.7)
- The fitness centre tenancy will be designed and managed to ensure an appropriate level of amenity is retained for the upper level residents (15.1.1.9)
- The proposal is not a retail use (15.1.1.10)

There are no applicable Local Area Objectives or Desired Future Character Statements and there are otherwise no specific Code purposes that are particularly relevant to the assessment of the fitness centre use.

3.4 Use Standards

Non-Residential Use (15.3.1)

Use Standard	Assessment
A1	The proposal complies with A1.
Hours of operation must be within:	The fitness centre use complies with these hours of
(a) 7.00 am to 9.00 pm Mondays to Fridays inclusive;	operation. A future tenant may make a separate application for a planning permit to Council to vary
(b) 8.00 am to 6.00 pm Saturdays;	these hours if necessary.
(c) 9.00 am to 5.00 pm Sundays and Public Holidays;	
except for office and administrative tasks or visitor accommodation.	

A2

Noise emissions measured at the boundary of a residential zone must not exceed the following:

- (a) 55dB(A) (LAeq) between the hours of 8.00 am to 6.00 pm;
- (b) 5dB(A) above the background (LA90) level or 40dB(A) (LAeq), whichever is the lower, between the hours of 6.00 pm to 8.00 am;
- (c) 65dB(A) (LAmax) at any time.

Measurement of noise levels must be in accordance with the methods in the Tasmanian Noise Measurement Procedures Manual, issued by the Director of Environmental Management, including adjustment of noise levels for tonality and impulsiveness.

Noise levels are to be averaged over a 15 minute time interval.

A fitness centre use can typically involve amplified music and associated noise emissions. In this case however there can be a high level of confidence that the proposed activity will not involve noise emissions that will exceed the levels specified in A2 in that:

- The necessity to provide quiet enjoyment for these on-site residents will ensure that the impacts at the more distant boundary with the residential boundary will also be acceptable
- a combination of attenuation measures including both, physical insulation incorporated into the tenancy construction, and formal tenancy agreement with the fitness centre to specify the hours and sound levels within the tenancy, will be adopted to ensure that the activity does not disturb the residential tenants on the site
- the proposed fitness centre tenancy is located on the ground floor frontage of New Town Road and is well separated (both in distance and by the rear residential wing of the development) from the closest boundary with the Inner Residential Zone to the rear of the site.

Subject to standard installation of any mechanical air conditioning plant the proposal will involve negligible other noise emissions.

The proposal complies with A2.

A3

External lighting must comply with all of the following:

- (a) be turned off between 10:00 pm and 6:00 am, except for security lighting;
- (b) security lighting must be baffled to ensure they do not cause emission of light outside the zone.

The proposal complies with A3 in that it does not involve external lighting other than associated with the residential use or for security. All lighting will be orientated and/or baffled to avoid emission of light outside the Urban Mixed Use Zone.

A4

Commercial vehicle movements, (including loading and unloading and garbage removal) to or from a site must be limited to within the hours of: The proposal does not involve commercial vehicle movements other than for garbage removal that will be managed within the permitted hours of A4. The proposal complies.

(a)	7.00 am to 5.00 pm Mondays to Fridays
inclusi	ive;
(b)	8.00 am to 5.00 pm Saturdays;
(c)	9.00 am to 12 noon Sundays and Public
Holida	yys.

3.5 Development Standards for Buildings and Works

15.4.1 Building Height

Objective

To ensure that building height contributes positively to the streetscape and does not result in unreasonable impact on residential amenity of land in the General Residential Zone or Inner Residential Zone.

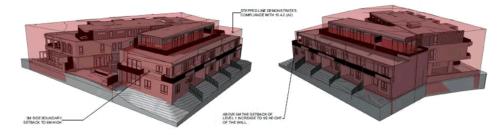
Acceptable Solutions	Performance Criteria
A1 Building height must be no more than: 10m	The accompanying 3D drapes provided by LXN in Drawing DA-15 confirm that the proposal complies with the permitted height under A1.
A2 Building height within 10 m of a residential zone must be no more than 8.5 m.	As for A1 above, the accompanying 3D drapes confirm that the proposal also complies with the permitted 8.5m height within 10m of the residential zone under A2.

15.4.2 Setback

Objective:

To ensure that building setback contributes positively to the streetscape and does not result in unreasonable impact on residential amenity of land in a residential zone.

Acceptable Solutions	Performance Criteria
A1 Building setback from frontage must be parallel to the frontage and must be no more than: 1m from the median street setback of all	The proposal is to be built to the New Town Road frontage and complies with A1.
existing buildings on the same side of the street within 100m of the site.	
A2 Building setback from the General Residential or Inner Residential Zone must be no less than: (a) 3 m; or (b) half the height of the wall, whichever is the greater.	As demonstrated in the detailed sections the building complies with the 3m setback or half the height of the wall requirement under A2. The siting of the building including any visual or shadowing impacts to neighbouring properties is therefore deemed acceptable under the planning scheme.



Design (15.4.3)

Objective

To ensure that building design for non-residential uses contributes positively to the streetscape, the amenity and safety of the public and adjoining land in a residential zone.

Development Standard	Assessment	
A1	The proposal complies with A1 as follows:	
Building design for non-residential use must comply with all of the following:	a) The main pedestrian entries to the commercial tenancy and residential lobby will be direct to New Town Road	

AllUrbanPlanning

(a)	provide the main pedestrian entrance to the
building	g so that it is clearly visible from the road or
publicly	accessible areas on the site;

- (b) for new building or alterations to an existing facade provide windows and door openings at ground floor level in the front façade no less than 40% of the surface area of the ground floor level facade;
- (c) for new building or alterations to an existing facade ensure any single expanse of blank wall in the ground level front façade and facades facing other public spaces is not greater than 30% of the length of the facade;
- (d) screen mechanical plant and miscellaneous equipment such as heat pumps, air conditioning units, switchboards, hot water units or similar from view from the street and other public spaces;
- (e) incorporate roof-top service infrastructure, including service plants and lift structures, within the design of the roof;
- (f) provide awnings over the public footpath if existing on the site or on adjoining lots;
- (g) not include security shutters over windows or doors with a frontage to a street or public place.

Walls of a building facing the General Residential Zone or Inner Residential Zone must be coloured using colours with a light reflectance value not

- b) The ground floor frontage is glazed in excess of 40% of the area
- c) There are no large areas of blank wall to the
- d) No unscreened mechanical plant visible from the frontage or other public spaces
- e) Any rooftop infrastructure will be incorporated within the design of the roof
- f) There are no pedestrian awnings on the site or adjoining lots
- g) No security shutters are proposed.

Complies. See the accompanying materials pallet on

greater than 40 percent. Passive Surveillance (15.4.4)

Objective:

A2

To ensure that building design for non-residential uses provides for the safety of the public.

Development Standard	Assessment
A1	The proposal satisfies A1 in that:
Building design for non-residential uses must comply with all of the following:	a) the main pedestrian entrances to the site will be clearly visible from the street
	b) complies
	c) complies

drawing DA-19.

(a)	provide the main pedestrian entrance to the
building	so that it is clearly visible from the road or
publicly	accessible areas on the site;

- (b) for new buildings or alterations to an existing facade provide windows and door openings at ground floor level in the front façade which amount to no less than 40 % of the surface area of the ground floor level facade;
- (c) for new buildings or alterations to an existing facade provide windows and door openings at ground floor level in the façade of any wall which faces a public space or a car park which amount to no less than 30% of the surface area of the ground floor level facade;
- (d) avoid creating entrapment spaces around the building site, such as concealed alcoves near public spaces;
- (e) provide external lighting to illuminate car parking areas and pathways;
- (f) provide well-lit public access at the ground floor level from any external car park.

- d) the proposal does not create concealed entrapment spaces
- e) the proposal will incorporate appropriate low level lighting to pathways to accepted standards
- f) the proposal does not include an external carpark. Not applicable.

Landscaping (15.4.5)

Development Standards	Assessment
A1 Landscaping along the frontage of a site is not required if all of the following apply: (a) the building extends across the width of the frontage, (except for vehicular access ways); (b) the building has a setback from the frontage of no more than 1 m.	The proposal extends across the frontage except for vehicle and pedestrian access and is setback no more than 1m from the frontage. The proposal therefore does not require landscaping along the frontage and complies with A1. Notwithstanding that landscaping along the frontage is not required, the proposal is accompanied by a concept landscaping including planter boxes across the frontage as shown on Drawing DA-10.
A2 Along a boundary with the General Residential Zone or Inner Residential Zone landscaping must be provided for a depth no less than: 2 m.	The landscaping plan DA-10 shows a 2m wide landscaped strip along the rear boundaries adjoining the residential zone. The proposal complies with A2.

Outdoor Storage Areas (15.4.6)

No outdoor storage areas are proposed.

Fencing (15.4.7)

Objective:

To ensure that fencing does not detract from the appearance of the site or the locality and provides for passive surveillance.

nces or walls greater than 1.5m are proposed e frontage.
lid fences above 1.2m along the frontage; and ear and side boundary fences with the ential zone will not exceed 2.1m.

Residential Amenity (15.4.8)

Objective:

To ensure that buildings for residential use provide reasonable levels of residential amenity and safety.

Development Standard	Assessment
A1 A dwelling must have at least one habitable room window (other than a bedroom) facing between 30 degrees west of north and 30 degrees east of north.	Apartment 14 does not have a north facing window and the proposal is to be assessed under P1. All other apartments have north facing windows to habitable rooms other than a bedroom.
P1 A dwelling must be sited and designed to optimise sunlight to at least one habitable room (other than a bedroom).	The proposal is considered acceptable under P1 in that the development is designed to optimise direct northerly sunlight to the proposed dwellings within the constraints of the site. Apartment 14 is a modest sized 1 bedroom apartment that will receive good afternoon sunlight to the main living space for the majority of the year. This coupled with the impressive views over Newtown/Lenah Valley and towards the kunanyi/Mount Wellington will ensure good levels of amenity for the residents of this dwelling.
A2	The proposal complies with A2 in that all windows will be setback a minimum of 3m from the side and

The potential for direct overlooking from windows of habitable rooms with a finished surface or floor level more than 1m above natural ground level on one lot to the windows of habitable rooms, balconies, decks and roof gardens on adjacent lots must be avoided or minimised by complying with any of the following: (a) have a side boundary setback no less than 3 m; (b) be offset no less than 1.5 m from the windows of habitable rooms on adjacent lots where on the same horizontal lane; (c) have a window seal height no less than 1.5 m.	rear boundaries as shown on drawings DA-06, 07 and 08.
A3 Outdoor living space must be provided for a dwelling that complies with all of the following: (a) be no less than 10 m2; (b) have a width no less than 2 m.	The private open space areas for the dwellings do not all meet the minimum dimension of 2m. The proposal is therefore to be assessed under P3.
P3 Outdoor living space must be provided for a dwelling with dimensions sufficient for the projected requirements of the occupants.	The proposed outdoor living spaces for the each of the dwellings are considered acceptable for the projected requirements of the residents of these dwellings and to satisfy P3 in that: • Each dwelling will have an area of at least 10m² directly accessible from the living space with an area wide enough to accommodate a BBQ and an outdoor table and seats • The decks are orientated either for northerly solar access or afternoon sun and views towards the mountain • Narrower areas of the decks will be useful for pot plants, other seating or a clothes rack • The larger three bedroom dwellings all have larger than compliant decks • There is an additional communal landscaped space for exclusive use by the residents.
A4 Habitable rooms of dwellings adjacent to streets carrying more than 6000 vehicle per day must be designed to achieve internal noise levels no more	New Town Road carries more than 6000 vehicles per day and the proposal will therefore be designed to achieve internal noise levels no more than 45dBa in accordance with relevant Australian Standards for

than 45 dBa in accordance with relevant Australian	acoustic control. The project architect LXN confirms	
Standards for acoustics control, (including AS3671 -	that with normal modern construction standards the	
Road Traffic, and AS2107 - Habitable Rooms).	residential apartments are likely to comfortably	
	achieve this level.	

Subdivision (15.5.1)

The proposed consolidation of the two titles is excluded from the definition of subdivision and these provisions to not apply.

4. Planning Scheme Codes

The site is within the New Town Road Heritage Precinct NT4. The proposal is considered in relation to the relevant codes below.

4.1 Potentially Contaminated land Code

The site is a former service station and is therefore potentially accommodated land for the purposes of the Code. The Code applies to the change to a sensitive use as well as the proposed excavation.

The accompanying Environmental Site Assessment November 2020 and addendum advice 7 August 2021 prepared by GES demonstrates that subject to the preparation of a Contamination management plan (CMP) the requirements of this Code are met.

Use Standards (E2.5)

Objective:

To ensure that potentially contaminated land is suitable for the intended use

Use Standard	Assessment
A1 The Director, or a person approved by the Director for the purpose of this Code: (a) certifies that the land is suitable for the intended use; or (b) approves a plan to manage contamination and associated risk to human health or the environment that will ensure the land is suitable for the intended use.	The proposed residential use is assessed under P1 below.
P1 Land is suitable for the intended use, having regard to:	Having regard to the conclusions and recommendations of the accompanying Environmental Site Assessment and addendum the proposal satisfies P1c). The environmental assessment report concluded that the site is suitable for the proposed development and there is no site

(a)	an environmental site assessment that
demo	nstrates there is no evidence the land is
conta	minated; or
(b)	an environmental site assessment that
domo	nstrates that the level of contamination doe

- demonstrates that the level of contamination does not present a risk to human health or the environment; or
- (c) a plan to manage contamination and associated risk to human health or the environment that includes:
- (i) an environmental site assessment;
- (ii) any specific remediation and protection measures required to be implemented before any use commences; and
- (iii) a statement that the land is suitable for the intended use.

contamination that would pose an undue risk to human health or the environment during or post the development subject to provision of a CMP. It is expected that the CMP would be provided prior to commencement of work as a condition on the planning permit.

Development Standards – Excavation (E2.6)

Objective:

To ensure that works involving excavation of potentially contaminated land does not adversely impact on human health or the environment.

Development Standard	Assessment
A1	The proposal is to be assessed under P1.
No acceptable solution.	
P1 Excavation does not adversely impact on health and the environment, having regard to:	Having regard to the accompanying Environmental Site Assessment the proposal satisfies P1b) providing the work is carried out in accordance with the CMP.
(a) an environmental site assessment that demonstrates there is no evidence the land is contaminated; or	
(b) a plan to manage contamination and associated risk to human health and the environment that includes:	
(i) an environmental site assessment;	
(ii) any specific remediation and protection measures required to be implemented before excavation commences; and	

(iii) a statement that the excavation does not	
adversely impact on human health or the	
environment.	

4.2 Road and Railway Assets Code

The traffic and access aspects of the proposal are assessed in the accompanying Traffic Impact assessment and satisfy the requirements of this Code.

Existing access and junctions (E5.5.1)

The development sites current use is a drive thru coffee business (Gioconda Coffee Roasters) that operates between 6:00am and 2:00pm, with an existing entry and exit onto New Town Road. A recent traffic survey established this business can generate a peak hour traffic flow of 80 trips, and an estimated total of 468 daily trips.

The proposed development is expected to generate a reduced number of trips entering and leaving New Town Road, with 12 trips expected for peak hour, and a daily total of 105 trips.

A reduction of trips generated by this new use is expected to improve traffic efficiency along New Town Road and complies with the acceptable solution under the planning scheme.

Sight distance at accesses, junction, and level crossings (E5.6.4)

This new development will convert the existing entry and exit into a single two-way access located on the southern boundary. Motorists leaving this access will have available sight distance, that exceeds the minimum Safe Intersection Sight Distance prescribed in the planning scheme for a 50 km/h speed limit.

This development will comply with the acceptable solution for Safe Intersection Sight Distance, and motorists will be able to enter New Town Road in a safe manner, without disrupting the current road users.

4.3 Parking and Access Code

The traffic and access aspects of the proposal are assessed in the accompanying Traffic Impact assessment and satisfy the requirements of this Code.

Number of parking spaces for the residential apartments (E6.6.1)

The development will provide 26 on-site parking spaces to be allocated to the residential apartments.

The planning scheme indicates for multiple dwellings with two or more bedrooms, two parking spaces should be provided, and one visitor space per four dwellings.

The number of spaces required under the planning scheme is 38 spaces for the 19 apartments, which is considered excessive, as the planning scheme does not take into account the apartments inner-city residential location within four kilometres of the Hobart CBD, and location of the development on a high frequency public transport route.

Customer demand for the fitness centre will share the supply of on-street parking spaces available within the surrounding streets.

The TIA concludes that the proposed parking provision will meet the reasonable needs of all users of the development and will satisfy the performance criteria P1 under E6.6.1 of the planning scheme.

Development standards (E6.7)

The TIA confirms that the proposal satisfies these standards.

4.4 Stormwater Management Code

The application is supported by an engineering assessment of the stormwater requirements of this code.

4.5 Historic Heritage Code

The requirements of this Code are addressed in the accompanying Heritage Impact Assessment (HIA) prepared by Purcell. The HIA concludes that the proposal continues the historic mix of residential and commercial buildings that are eclectic in style, 'form and scale' within the precinct. The Proposal provides a high-quality, considered, and contemporary architectural response to the surrounding heritage precincts' characters and values.

The Proposal's material palette references the materials used within the precinct in a contemporary way to ensure it fits within the streetscape without dominating or detracting from the heritage precinct's historic cultural heritage significance and values.

It is considered that the Proposal is sympathetic to the characteristics, and will not result in the loss, of the cultural heritage significance or values of the precinct.

4.6 Signage

No signage is proposed at this stage and will form a separate application if required.

5. Conclusion

The proposed mixed use development of an underutilised site demonstrates a high degree of compliance with the provisions of the planning scheme. It will provide an overwhelming positive impact on the character and amenity of New Town Road with its respectful scale and repair of the traditional street alignment.

The building form complies with the height and siting standards of the planning scheme. Any impacts to the neighbouring properties by way of siting, shadowing, privacy or visual impact are therefore deemed acceptable under the planning scheme. The proposal is supported by Traffic, heritage, environmental and engineering assessments to address the requirements of the relevant planning scheme codes.

The proposal is recommended for approval as a Section 57 application following public advertisement.

I would be pleased to discuss or clarify any aspects of the proposal as necessary.

Frazer Read

Principal

156 NEW TOWN ROAD, NEW TOWN

HERITAGE IMPACT ASSESSMENT

OCTOBER 2021

PURCELL 🗏

Page 102 ATTACHMENT B

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 Date
 Revision
 By
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PURCELL

HERITAGE IMPACT ASSESSMENT

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INTRODUCTION

BACKGROUND

This Heritage Impact Assessment (HIA) was prepared for LXN Architecture and Consulting, acting on behalf of their Client, Renewal Investments Pty Ltd, to review and assess the proposed development (Proposal) at 156 New Town Road, New Town (Site).

The Site is not registered as State significant on the Tasmanian Heritage Register (THR). The Site is not identified as a Heritage Place in Table E13.1 of the Hobart Interim Planning Scheme, 2015 (HIPS 2015). However, it is situated within the 'New Town' (NT4) Heritage Precinct.

This assessment has reviewed the proposed works detailed in the following plans:

156 NTR Development Application 11/10/2021 Revision A, prepared by LXN Architecture and Consulting (See Appendix A for details).

Lucy Burke-Smith and Linda Mott of Purcell prepared this report. Lucy Burke-Smith inspected the exterior of the Place, as well as the streetscape and context on May 5, 2021, together with Frazer Reed of All Urban Planning and Sarah Lindsay of LXN Architecture and Consulting. Lucy Burke-Smith took all images at this site visit unless cited otherwise.

LIMITATIONS

This HIA is limited to an assessment of the potential built heritage impacts of the Proposal to the setting, context and significant fabric of the built features on the Site. Desk-based research and information provided to date form the basis of this report, no new archival research was undertaken. It is based on the current statutory heritage and development controls, and non-statutory guidelines applicable to the Site. It does not consider the responsiveness of the proposed works to the wider provisions of the Hobart Interim Planning Scheme 2015, beyond that of built heritage.

All references to heritage, or heritage impacts, are to built heritage only. This report does not consider other potential heritage impacts of the Proposal, including, without limitation, to landscape, vegetation, sub-surface, archaeological or indigenous heritage.

TERMINOLOGY

The conservation terminology used in this report is of a specific nature and is defined within the <u>Australia ICOMOS Charter for the Conservation of Places of Cultural Significance</u>, 2013 (the Burra Charter).

REFERENCES

This HIA references the following:

- 'Design in Context Guidelines for Infill Development in the Historic Environment', NSW Heritage Office & RAIA, 2005.
- 'Good Design + Hentage', Office of the Victorian Government Architect, 2017.
- GHD, 'New Town Heritage Review', Volumes 1-3, April 2008. Prepared for Hobart City Council.
- R Apperly, R Irving, and PL Reynolds, A pictorial guide to identifying Australian architecture: styles and terms from 1788 to the present, Angus & Robertson, Pymble NSW, 1994.

Tasmanian Heritage Register Datasheet, Tasmanian Heritage Council

² Hobart Interim Planning Scheme, 2015, Tables E13.1 and E13.2

UNDERSTANDING THE SITE

LOCATION

The Site's address is 156 New Town Road, New Town (Title Reference 171514/1, and 171514/2). It is located just south of the 'Y' intersection formed where New Town Road meets Valentine and Cross Streets.



Figure 1 - Aerial image, the approximate Site boundary outlined in yellow dashes. (Source: ListMap, modified by Purcell)

DESCRIPTION

The Sites' New Town Road street frontage has a kerb crossing at each end, forming a one-way driveway with the entrance at the northeast end of the sites' of the sites'and exit at the southwest. The Site is a former service station currently used as commercial premises.

UNDERSTANDING THE SITE









Figure 4 — View from the south.

STATUTORY LISTINGS AND OVERVIEW OF SIGNIFICANCE

Historic Cultural Heritage Act (TAS) 1995

The Site is not registered as State significant on the Tasmanian Heritage Register (THR).

UNDERSTANDING THE SITE

Hobart Interim Planning Scheme 2015

The Site is not identified as a Heritage Place in Table E13.1 of the HIPS 2015. However, it is situated within the 'New Town' (NT4) Heritage Precinct³ (see Figure 5).

Table E13.2 of the HIPS 2015 notes that the New Town Heritage Precinct NT4 is significant for reasons including:

- 1. It contains examples of Georgian, Victorian and Federation commercial and residential buildings that illustrate the growth of the area as a local service centre along a historically early main arterial road and transport route.
- 2. It contains individual high quality examples of architectural styles in a streetscape that is eclectic in form and scale.
- The residences in close proximity to the main road contribute to an understanding of the historical pattern of its development and the tendency to reside in close proximity to commercial and community facilities



NON-STATUTORY LISTINGS

The site is not included on the Register of the National Trust of Australia, nor the Register of the National Estate, (non-statutory archive).

Hobart Interim Planning Scheme, 2015, Tables E13.1 and E13.2

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HERITAGE IMPACT ASSESSMENT

PROPOSED WORKS

The Proposal seeks approval to demolish the existing commercial premises and concrete hardstand and construct a three level residential apartment building with a commercial tenancy to the New Town Road frontage, and a single level basement carpark.

The Proposal's front setback is in keeping with other commercial premises on New Town Road which are built to the front boundary, and residential premises which are in close proximity to the road. However, the Proposal includes a small setback at street level with landscape planting boxes to deal with the footpath slope, soften the footpath interface, and reference the nearby residences' front gardens. The Proposal's side setback is 3.042m at the Site's northwest corner with stairs and a ramp to access bicycle parking and the commercial tenancy side entrance. Access from this ramp to the landscaped courtyard is secured by a fence and gate. The basement car park driveway is at the southeast boundary of the Site's New Town Road frontage. The setback to the proposed rear wall is 3 metres.

Commercial premises on New Town Road predominantly have awnings overhanging the footpath. Many also have a decorative pediment above and / or a second storey. The Proposal's Level I extends over the small, street-level setback to the roadside boundary, referencing these awnings and creating front balconies for the residential apartments above. Level 2 (the top storey) is articulated with projecting bays framing alternate sliding doors, a modern interpretation of the residential domer windows. Level 2 has a significant setback from the northern corner of the building in deference to the adjacent historic parsonage.

The Architect's response to the Site's nonparallel boundaries is to create a triangular courtyard in the north-eastern envelope of the building for a communal landscaped area. The Proposal also includes landscaping to the northeast side and rear of the property.

Further details of the proposal are provided within the following:

156 NTR Development Application 11/10/2021 Revision A, prepared by LXN Architecture and Consulting.

GUIDANCE DOCUMENTATION

This assessment follows the best practice management framework for historic sites contained in:

- The Burra Charter: 'The Australia ICOMOS Charter for Places of Cultural Significance', 2013.
- Heritage Tasmania, 'Works Guidelines for Historic Heritage Places', for the Tasmanian Heritage Council, November 2015.

ASSESSMENT METHODOLOGY

This assessment follows the provision of preliminary heritage advice through an iterative design process, intended to mitigate potential impact to the significance and values of the place. It is based on observations made during a site visit and a review of the design proposal. The assessment considers the potential for detrimental impacts as a result of the proposal, as well as all mitigation measures proposed, within the context of the Hobart Historic Heritage Code, 2015. Proposed works have been assessed for their impact to the heritage values of the Heritage Precinct as identified in the Statement of Significance, and the place's setting and context. The Proposal has also been considered against non-statutory guidelines published by Australia ICOMOS.

HERITAGE IMPACT ASSESSMENT

ASSESSMENT AGAINST HISTORIC HERITAGE CODE PROVISIONS OF THE HOBART INTERIM PLANNING SCHEME 2015

The Site is listed in Table E13.2 as being within the 'New Town' (NT4) Heritage Precinct of the Hobart Interim Planning Scheme 2015. The following tables assess considers the responsiveness of the proposal against the Development Standards and specific Performance Criteria for Heritage Precincts in Table E13.8, of the Historic Heritage Code.

E13.8 DEVELOPMENT STANDARDS FOR HERITAGE PRECINCTS

NT4 New Town Heritage Precinct is significant for reasons including:

- 1. It contains examples of Georgian, Victorian and Federation commercial and residential buildings that illustrate the growth of the area as a local service centre along a historically early main arterial road and transport route.
- 2. It contains individual high quality examples of architectural styles in a streetscape that is eclectic in form and scale.
- The residences in close proximity to the main road contribute to an understanding of the historical pattern of its development and the tendency to reside in close proximity to commercial and community facilities.

E13.8.1 DEMOLITION

Objective:

To ensure that demolition in whole or in part of buildings or works within a heritage precinct does not result in the loss of historic cultural heritage values unless there are exceptional circumstances.

- PI Demolition must not result in the loss of any of the following:
- (a) buildings or works that contribute to the historic cultural heritage significance of the precinct;
- (b) fabric or landscape elements, including plants, trees, fences, paths, outbuildings and other items, that contribute to the historic cultural heritage significance of the precinct;
 - unless all of the following apply;
 - there are, environmental, social, economic or safety reasons of greater value to the community than the historic cultural heritage values of the place;
 - (ii) there are no prudent or feasible alternatives;
 - (iii) opportunity is created for a replacement building that will be more complementary to the heritage values of the precinct.

The proposed demolition will not result in a loss of elements that contribute to the historic cultural heritage significance or values of the precinct.

There are no buildings, works, fabric or landscape elements on the Site that contribute to the historic cultural heritage significance or values of the precinct.

The existing building is not considered to be a high quality example of an architectural style defined by the statement of Historic Cultural Heritage Significance E13.2, nor is it a residence in close proximity to the road. The existing building also appears to be much modified from its original form.

E13.8.2 BUILDINGS AND WORKS OTHER THAN DEMOLITION

Objective:

To ensure that development undertaken within a heritage precinct is sympathetic to the character of the precinct.

PI Design and siting of buildings and works must not result in detriment to the historic cultural heritage significance of the precinct, as listed in Table F13.2.

The NT4 precinct 'contains individual high quality examples of architectural styles in a streetscape that is eclectic in form and scale'. The design of the proposed residential building is a high quality, contemporary architectural style, sympathetic in character to the NT4 Statement of Significance.

The Siting of the building is in keeping with the surrounding commercial and residential buildings that are set on, or close to their roadside boundaries. This being an enhancement to the place, the setback of which detracts from the pattern of street front alignment. The upper level is setback significantly from the northern corner of the building, which responds to, and acknowledges, the proximity of

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HERITAGE IMPACT ASSESSMENT

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	the adjacent historic parsonage.
	The mass and bulk of the New Town Road elevation is successfully reduced through the material selection and fenestration. The treatment of Level 2 is a modern interpretation of the residential dormer and gable end windows facing New Town Road, as well as the way the commercial building parapets are frequently broken into bays, without replicating historic details.
	The material palette chosen for the Proposal is drawn from and references the materials found in the wider heritage precinct and is considered to be complimentary and deferential to the historic cultural heritage significance of the precinct.
	The height of the proposal is responsive to its context, and together with the setback of the upper level of the northern corner, ensures that it does not detract from the presentation of the adjacent historic parsonage, nor those places to the north which directly contribute to the characteristics of the NT4 precinct. This is well demonstrated in Drawing DA-18
	It is considered that the design and siting of the building will not result in detriment to the historic cultural heritage significance of the precinct, as listed in Table E13.2.
P2 Design and siting of buildings and works must comply with any relevant design criteria / conservation policy listed in Table E13.2, except if a heritage place of an architectural style different from that characterising the precinct.	N/A there are no relevant design criteria / conservation policy listed in Table E13.2.
P3 Extensions to existing buildings must not detract from the historic cultural heritage significance of the precinct.	N/A the Proposal is not an extension to an existing building.
P4 New front fences and gates must be sympathetic in design, (including height, form, scale, and materials), and setback to the style, period and characteristics of the precinct.	N/A the proposal does not have a front fence or gate. However, the proposed low brick plinth to New Town Road is consistent with the masonry wall to the Church's street boundary.
P5 The removal of areas of landscaping between a dwelling and the street must not result in the loss of elements of landscaping that contribute to the historic cultural significance or the streetscape values and character of the precinct.	There is no landscaping to the street that contributes to the historic cultural significance or the streetscape values and character of the precinct. Removal of the small area of grass between the footpath and the driveway will not result in a loss of the historic cultural significance or the streetscape values and character of the precinct.

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ATTACHMENT B

HERITAGE IMPACT ASSESSMENT

SUMMARY OF ASSESSMENT

The proposed new residential building is of a high quality, contemporary architectural style and is supported. The Proposal does not include the demolition of any extant, significant built features or landscaping that contribute to the cultural heritage significance of the precinct.

CONCLUSION

The proposal is to replace the existing former service station currently in use as a commercial tenancy, with contemporary residential apartments set over a commercial tenancy to the New Town Road frontage. This is considered an appropriate use of the Site. The proposed design continues the historic mix of residential and commercial buildings that are eclectic in style, 'form and scale'⁴ within the precinct. The Proposal provides a high-quality, considered, and contemporary architectural response to the surrounding heritage precincts' characters and values.

The Proposal's material palette references the materials used within the precinct in a contemporary way to ensure it fits within the streetscape without dominating or detracting from the heritage precinct's historic cultural heritage significance and values.

It is considered that the Proposal is sympathetic to the characteristics, and will not result in the loss, of the cultural heritage significance or values of the precinct.

⁴ Hobart Interim Planning Scheme, 2015, Table E13.2, Statement of Significance.

APPENDICES

APPENDIX A - ARCHITECTURAL DRAWING LIST

DWG NO	DRAWING NAME	REVISION	DATE
DA-01	COVER PAGE	Α	11/10/2021
DA-02	SITE SURVEY	Α	11/10/2021
DA-03	EXST. / DEMO PLAN	Α	11/10/2021
DA-04	PROPOSED SITE PLAN	Α	11/10/2021
DA-05	BASEMENT PLAN	Α	11/10/2021
DA-06	GROUND FLOOR PLAN	Α	11/10/2021
DA-07	LEVEL I PLAN	Α	11/10/2021
DA-08	LEVEL 2 FLOOR PLAN	Α	11/10/2021
DA-09	ROOF PLAN	Α	11/10/2021
DA-10	LANDSCAPE PLAN	Α	11/10/2021
DA-11	ELEVATIONS	Α	11/10/2021
DA-12	ELEVATIONS	Α	11/10/2021
DA-13	SECTIONS	Α	11/10/2021
DA-14	SECTIONS	Α	11/10/2021
DA-15	BUILDING HEIGHT ENVELOPE – 15.4.1	Α	11/10/2021
DA-16	BUILDING SETBACK ENVELOPE = 15.4.2	Α	11/10/2021
DA-17	SUN STUDIES	Α	11/10/2021
DA-18	STREET ELEVATION	Α	11/10/2021
DA-19	MATERIAL PALETTE / STREETSCAPE ANALYSIS	Α	11/10/2021
DA-20	PHOTOMONTAGE SHEET I	А	11/10/2021
DA-21	PHOTOMONTAGE SHEET 2	А	11/10/2021

Item No. 3.1.1





TRAFFIC IMPACT ASSESSMENT

Hubble Traffic
UPDATE
DECEMBER 2021

APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

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APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

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1. Introduction

The developer has engaged Hubble Traffic Consulting to prepare an independent Traffic Impact Assessment, to consider the traffic impacts of the construction of a multi-storey apartment building at 156 New Town Road, New Town (development site).

This report considers the amount of traffic the current site generates, the likely traffic generation of the proposed development, and how traffic movements will integrate into the surrounding road network.

The development site is currently operating as a drive-thru coffee establishment called Gioconda Coffee Roasters.

This report has been prepared to satisfy the requirements of Austroads, Guide to Traffic Management Part 12: Traffic Impacts of Developments, 2019. This assessment has referred to the following information and resources:

- City of Hobart Interim Planning Scheme (planning scheme)
- Road Traffic Authority NSW (RTA) Guide to Traffic Generating Developments
- Australian Standards 2890 parts 1, 2 and 6
- SIDRA 8 intersection modelling software
- · Autoturn online vehicle swept path software
- Austroads series of Traffic Management and Road Design
 - o Part 4: Intersection and crossings, General
 - o Part 4a: Unsignalised and Signalised Intersections
 - o Part 12: Traffic Impacts of Development
- · Google Earth imagery
- LIST land information database

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2. Site Description

The development site is located at 156 New Town Road, the southern side of the road between Roope Street and Cross Street, New Town.

New Town is an inner city residential suburb, located about four kilometres north of the central business district of Hobart. The main arterial road through New Town is known as 'New Town Road', and follows on from Elizabeth Street, connecting with the neighbouring city of Glenorchy.

The land-use along this section of New Town Road is zoned Urban Mixed Use, which permits business and professional services, food services, general retail and hire, and residential development, while directly behind this arterial road the land is zoned Inner Residential.

METRO Tasmania runs a high frequency bus service from Hobart to Glenorchy along New Town Road, with a bus operating every ten minutes between 7:00am to 7:00pm, Monday to Friday, every twenty minutes on Saturday, and every thirty minutes on Sunday.

The development site is within:

- 150 metres of a supermarket, local cafes, doctors, and pharmacy
- walking distance to the New Town Shopping Plaza, and recreational and cultural facilities
- 50 metres from public transport, with bus stops located on either side of New Town Road
- close proximity to two cycleways, the off-road intercity cycleway, and the on-road cycle network into the Hobart CBD.

With consideration to the site location and proximity to services, residents can substantially reduce their reliance upon private motor vehicle usage, and car parking requirements.

Diagram 2.0 - Site location (extract from the LIST land information database)





3. Development proposal

The developer has advised that the development proposal includes a multi-storey building to provide 19 residential apartments.

The ground floor will contain a single commercial tenancy, that will have direct pedestrian access to New Town Road. A pedestrian courtyard will provide street access to all apartments, consisting of five ground floor, ten first floor, and four second floor apartments.

On-site parking for the residential apartments will be located within the basement level, with vehicular access to New Town Road via a two-way ramp.

The commercial tenancy will be a gymnasium (Fitness Centre), which will complement the surrounding commercial uses and residential precinct.

Diagram 3.0 Ground floor layout





4. Trip generation by this development

A trip in this report is defined as a one way vehicular movement from one point to another excluding the return journey. Therefore, a return trip to and from a land use is counted as two trips.

To determine the number of trips likely to be generated by this development, reference has been taken from the RTA Guide to Traffic Generating Developments.

4.1 Medium density residential building

The RTA Guide specifies a medium density building is a building containing at least two, but less than 20 dwellings. This includes villas, town houses, flats, semi-detached houses, terrace or row houses, and other medium density developments.

Two bedroom units can generate 4 to 5 daily vehicle trips and 0.4 to 0.5 weekday peak hour trips.

While larger units (three or more bedrooms) can generate 5 to 6.5 daily vehicle trips and 0.5 to 0.65 weekday peak hour trips.

Table 4.1 Expected number of traffic movements generated by the apartments.

Number of bedrooms	Number of units	RTA generation rates for daily and peak hour	Expected daily trips	Expected peak hour trips
One	1	Daily vehicle trips of 4 to 5 per unit	5	1
		Peak hour trips of 0.4 to 0.5per unit		
Two	12	Daily vehicle trips of 4 to 5 per unit	60	6
		Peak hour trips of 0.4 to 0.5per unit		
Three	6	Daily vehicle trips of 5 to 6.5 per unit	39	4
		Peak hour trips of 0.5 to 0.65 per unit		
Total	19		104	11

The 19 residential apartments are expected to generate 11 peak hour trips, and a total of 104 daily trips, leaving and entering New Town Road.



4.2 Commercial tenancy - Fitness Centre

The developer has advised the commercial tenancy will be a Fitness Centre, with facilities available to the public. It is expected the use could employ one staff member during weekdays.

The following operational times are expected to comply with the acceptable solution under the planning scheme:

- 7:00am to 9:00pm Monday to Friday
- 8:00am to 6:00pm Saturday, and
- · 9:00am to 5:00pm Sunday and public holidays

To determine the likely amount of traffic generated by this Fitness Centre, reference has been taken from the RTA Guide to Traffic Generating Developments, section 3.8.2. This section provides two generation rates, metropolitan CBD areas and metropolitan sub-regional areas. The location of the development site fits in-between these two descriptions, and an average of the two generation rates has been used:

- Daily vehicle trips of 32 trips per 100m2 of gross floor area, and
- Evening peak hour of 6 trips per 100m2 of gross floor area.

The RTA guide indicates the above generation rates includes staff, delivery, service, and on-street movements such as taxis and pick-up/set-down activities. The RTA guide also indicates that peak generation generally occurs between 6:00pm to 7:00pm on a weekday evening.

With the gross floor area of the Fitness Centre is expected to be 360m2, the facility is expected to generate 115 daily vehicle trips, with 22 of these trips expected in the peak hour periods.

Table 4.2 - Expected number of trips generated by the Fitness Centre

Vehicle activity	Gross floor area	RTA trip generation rate	Expected number of vehicle trips	Expected number of vehicles
Daily	360m2	32 trips per 100m2 of gross floor area	115	58
Peak hour	360m2	6 trips per 100m2 of gross floor area	22	11

4.3 Existing trips generated from the current site

With the current site operating as a drive thru coffee establishment, it is important to calculate the current number of trips generated by this use, to determine the net difference in trips between the current and proposed land use.

To capture the number of trips generated by the current use, a traffic survey was conducted on Wednesday 21 April 2021. The survey collected traffic entering and leaving the development site, and the vehicle movements along New Town Road.

Table 4.3- Number of trips generated by the current use and vehicles on New Town Road between 7:30am to 9:00am.

	Drive th	Drive thru coffee establishment			New Town Road			
Time	Vehicles	Vehicles out	Total	Northbound	Southbound	Total		
	in							
7:30am to 7:45am	8	6	14	98	104	202		
7:45am to 8:00am	13	13	26	104	168	272		
8:00am to 8:15am	10	10	20	121	161	282		
8:15am to 8:30am	8	8	16	135	168	303		
8:30am to 8:45am	9	9	18	132	174	306		
8:45am to 9:00am	11	11	22	146	140	286		
Total	59	57	116	736	915	1651		

Vehicles departing from the development site turned both left and right onto New Town Road, with sufficient gaps in the traffic stream for these manoeuvres to be undertaken efficiently and safely.

Estimation of daily trips from the current use

During the morning peak hour, Gioconda Coffee Roasters generates 80 vehicle trips into and out of the development site.

The coffee establishment operates from 6:00am to 2:00pm, with the estimated total daily trips shown in the following table.

Table 4.3A – Estimation of daily trips generated from the current use.

Time	Percentage of peak hour trips	Estimated number of trips
6:00am to 7:00am	70 %	56
7:00am to 8:00am	85%	68
8:00am to 9:00am	100 %	80
9:00am to 10:00am	85%	68
10:00am to 11:00am	70%	56
11:00am to 12:00pm	65%	52
12:00pm to 1:00pm	60%	48
1:00pm to 2:00pm	50%	40
Total		468 trips



4.4 Difference in trips generated from current and proposed use

The new use is expected to generate a reduced number of trips entering and leaving the development site, as the current use generates some 80 peak hour trips and an estimated 468 daily trips, while the new use is expected to generate 11 peak hour trips and 104 daily trips.

The new residential apartments are expected to generate approximately 90 percent less vehicle movements during the peak hour periods, and 80 percent less vehicle movements throughout the day than the current use. This means less vehicle movements entering and leaving New Town Road.

The Fitness Centre will not generate vehicle movements to and from New Town Road, however the centre is expected to generate additional vehicle movements to the area. Table 4.4 calculates the combined vehicle movements generated by the residential apartments and Fitness Centre, which is expected to be less than half of the current use.

Table 4.4 – Expected reduction in vehicle movements by the new use

Period	Current		New use	Reduction in movem		
	use	Apartments	Fitness Centre	Total	Number	Percentage
Daily	468	104	115	219	249	53%
Peak Hour	80	11	22	33	47	59%

5. Parking requirements

5.1 Residential apartments

The planning scheme specifies the number of parking spaces that are required based on residential use, with table E6.1 indicating that for multiple dwellings containing two or more bedrooms, the development should provide two on-site parking spaces.

Reference on parking requirements is taken from the RTA Guidelines for medium residential buildings:

- 1 space per each unit, plus one space per each 5 x 2 bedrooms
- Additional 1 space for each 2 x 3 bedrooms

The developer has considered the above requirements and has allocated the following parking spaces for the residential apartments.

Table 5.1 - Number of parking spaces for residential apartments

Number of bedrooms	Number of apartments	Planning scheme requirements	RTA requirements	Developme - actual n spaces bein	umber of	
				Spaces	Spaces	Total
1 bedroom	1	1	1 per unit	1	1	1
2 bedrooms	12	24	1 per unit plus 1 per 5 units	14	1 or 2	13
3 bedrooms	6	12	1 per unit plus 1 per 3 units	8	2	12
Total	19	37		23		26

Of the 12 two bedroom units, the developer has indicated one of the units will be allocated two parking spaces, while the other 11 units will be allocated with one parking space. The three bedroom units will be allocated two parking spaces, while the one bedroom unit allocated one parking space. This gives an allocation of 26 parking spaces to the 19 units.

With the development being within an inner city residential suburb, the reliance on private vehicles is reduced, particularly for two bedroom units requiring more than one vehicle.



5.2 Parking spaces for the Fitness Centre

Along the road frontage of New Town Road there is a range of mixed businesses, with many relying on the supply of on-street spaces for customer parking. The Fitness Centre will be another local business relying on the on-street parking supply, as the development will not provide off-street parking for this use.

Under the planning scheme, a Fitness Centre requires 4.5 car parking spaces per 100 square metres of floor area, and with the centre operating with 360 square metres, the parking requirement is 16 parking spaces.

It is common for a Fitness Centre to generate people movement throughout the opening hours, with the average duration of stay around an hour. A comprehensive survey of gymnasiums in Sydney was conducted in 2014, and found 73 percent of members arrive as the driver, with 16 percent arriving as a passenger, and 11 percent by walking. With the location of this Fitness Centre within close proximity to an inner residential catchment area, this mode of transport could be expected for this facility.

The RTA Guide indicates the peak demand for a Fitness Centre usually occurs between 6:00pm and 7:00pm weekdays, after the other businesses in area has finished. Based on the RTA data. This Fitness Centre is predicted to generate a peak hour demand of 11 vehicles, and on average four vehicles per hour outside of this peak period.

Sharing on-street parking takes advantage of the fact that most on-street parking areas are only used part time by a particular motorist group, and many spaces become vacant after that use has finished.

5.3 Availability of the supply of on-street car parking

To understand the availability of on-street parking spaces along the surrounding streets, a comprehensive parking supply and demand survey was conducted. The survey examined available spaces and parking demand within 150 metres of the development site.

Table 5.3 - On-street parking supply and demand

Street	Kerb	Number of	Spaces available at survey time				
	restrictions	spaces	7:30am	10:30am	1:30pm	4:30pm	8:00pm
New Town Road	Unlimited	10	6	4	1	7	
(Woolworths to	15 minutes	3	2	2	1	1	9
Cross Street)	30 minutes	5	5	5	4	5]
New Town Road	30 minutes	11	11	8	8	7	
(Cross St to 119	120 minutes	2	2	1	1	1	11
New Town road)	Unlimited	5	5	1	2	2	1
Valentine Street	60 minutes	4	2	2	2	3	
(New Town Rd to	Unlimited	29	15	18	18	19	21
Montague St)							
Cross Street	15 minutes	4	3	2	1	3	
(Pirie to Pedder)	Unlimited	19	8	4	9	12	11
Roope Street	120 minutes	5	3	1	1	1	
(Pirie to Pedder)	15 minutes	2	2	0	1	0	22
	Unlimited	28	17	3	2	7	
Total		127	81	51	51	68	74

The survey found at least 127 on-street parking spaces are available within 150 metres of the development site. The patrolled survey found between 7:30am and 4:30pm there was a minimum of 51 spaces available, and at 8:00pm there were 74 spaces available.

According to the planning scheme parking requirements, the visitors could generate an on-street parking demand of five spaces, with the Fitness Centre also generating an on-street parking demand of 16 spaces. Based on a worst case scenario of the two users creating a maximum demand at the same time, the development could generate an on-street parking demand of 21 vehicles. The patrolled parking survey has demonstrated there will be more than sufficient number of on-street spaces available (minimum of 51 spaces) to easily meet the demand, without causing adverse impact to other users.

APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

6. Existing traffic Conditions

New Town Road within the surrounding road network operates as an urban collector, to carry substantial movement of traffic between Hobart and Glenorchy. The road supports one traffic lane in each direction, with parallel parking along both sides. The road operates under the 50 km/h urban default speed limit.

Adjacent properties have direct access to the road, and motorists travelling along New Town Road recognise the need to drive vigilantly, having consideration that vehicles regularly leave and enter the road.

There is a significant movement of pedestrians crossing the road, with pedestrian refuge islands located at high demand locations, to enable pedestrians to cross in two stages.

The road is sealed, with formed footpaths along both sides and street lighting.

6.1 Traffic activity along New Town Road

A survey of the morning traffic found a peak hour traffic flow of 1,655 vehicles, with 70 percent of these vehicles traveling in a southbound direction.

6.2 Traffic entering and leaving the development site

Currently the development site has a separate entry located at the northern boundary, with a separate exit located at the southern boundary. The entry is located immediately beyond a signalised pedestrian crossing, and a right turning vehicle entering the site can restrict the flow of through traffic.

6.3 Surrounding land-use

The surrounding land-use is mixed with commercial, retail, and residential properties.

The majority of the surrounding residential properties have off-street parking available. Many of the commercial and retail properties rely on on-street parking for customers, with a variety of parking restrictions to provide a high turnover of the available spaces.

7. Impact from traffic generated by this development

As determined in section 4.4 of this assessment, the new apartment complex is expected to significantly reduce the traffic movements to and from the site compared with the current use, with the development not expected to create any adverse traffic efficiency impact.

7.1 Traffic entering and leaving the development site

The current entry and exit to the development site will be converted to a single two-way access, located at the southern boundary of the property. The width of the new access will be wide enough to accommodate two-way traffic movements.

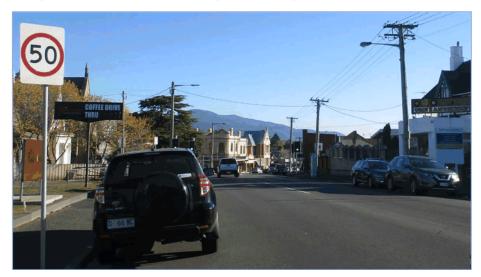
With the reduction in the number of traffic movements entering and leaving the development site, compared to the current use, the traffic efficiency along New Town Road is expected to improve.

7.2 Sight distance for vehicles leaving the development site

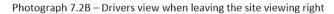
The speed limit along New Town Road is the urban 50 km/h speed limit.

Sight distance leaving the proposed development access has been measured on-site, with a driver leaving the site having at least 100 metres sight distance in both directions; this exceeds the Safe Intersection Sight Distance prescribed in the planning scheme and is sufficient for vehicles to enter the road in a safe manner without causing traffic disruption to current users.

Photograph 7.2A –Drivers view when leaving the site viewing left









7.3 Queuing area to the basement car park

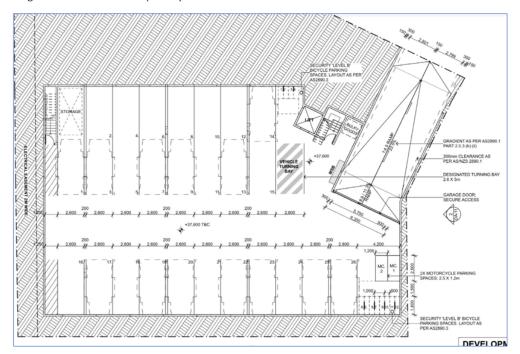
The entrance to the basement car park will be gated and controlled by a card reader or similar device, with the gate expected to be located 14 metres inside the property boundary, allowing storage for two entering vehicles.

The entrance storage length is expected to be ample to eliminate the risk of vehicles queuing back onto New Town Road. This is based on the peak hour demand of 11 trips, or on average, one vehicle arriving every five minutes, so the risk of more than two vehicles arriving to enter the basement car park is very low.

7.4 Layout of the basement car park access

The access to the basement car park is via a straight ramp from New Town Road, leading into a parking aisle, with ninety degree parking spaces located on either side.

Diagram 7.4 – Basement car park layout



7.5 Ramp layout

The straight ramp provides vehicular access between New Town Road and the basement car park.

With the ramp gradient being 1:4.5 or 22.5 percent, it will be supported with 2 metre transitional ramps with gradients of 1:8 (12.5 percent) or 1:8.8 (11.3 percent). The change in gradient for sag and crest curves complies with the Australian Standard AS 2890 requirements, to ensure there is sufficient ground clearance to minimise bottoming or scraping of vehicles, as they enter or leave.

The ramp width will have sufficient width to accommodate two-way traffic movements and include appropriate clearance to vertical obstructions to ensure the ramp provides convenient, accessible, efficient, and safe vehicle movements.

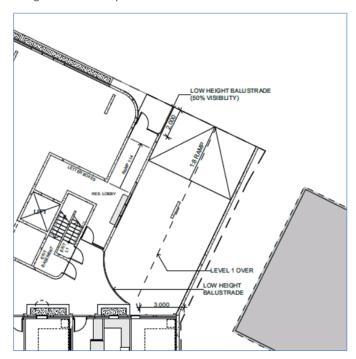
The ramp design will connect into the back of the existing public concrete footpath, to minimise any adverse impact to pedestrian movement along the footpath.

7.6 Pedestrian sight line for pedestrian safety

Along the western side of the vehicle ramp, a low height balustrade will provide a minimum of 50 percent visibility, ensuring adequate sight line between pedestrians walking along the footpath and drivers leaving the basement car park.

This balustrade method to achieve the required sight distance complies with the intent of both the planning scheme and the Australian Standards section 3.2.4

Diagram 7.6 – Sight line between pedestrian and driver



7.7 Pedestrian access

A pedestrian courtyard at street level will provide direct access to the apartments, with the Fitness Centre having direct access to the street.

APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

7.8 Commercial vehicles

Commercial vehicles to service the development site, will not have access to the basement car park and will use on-street parking spaces, similar to other businesses in the area.

Waste collection

Waste collection will be arranged with a private collection service. A central waste collection will be established on the ground floor, and have access to the street frontage.

Deliveries to the Fitness centre

The number of deliveries to the Fitness Centre is expected to be less than one delivery per week, and use on-street parking, similar to other businesses in the area.

7.9 Headroom clearance

The Australian Standards 2890 section 5.3 specifies for both cars and light vans, the height between the floor and an overhead obstruction shall be a minimum of 2.2 metres. The basement car park will have a minimum headroom height of 2.4 metres, while the minimum headroom for the ramp will be 2.38 metres. At this height, the design will provide adequate headroom to accommodate residential vehicles.

7.10 Basement car park arrangements

The internal car park layout will incorporate a two-way parking aisle with the following characteristics:

- Parking bays will be user class 1A for residential parking, with the allowance for three-point turn entry and exit into ninety degree parking spaces.
- Parking bays will be 2.6 metres wide and 5.4 metres long.
- All parking spaces to be ninety degrees to the parking aisle.
- Seven tandem (jockey) parking spaces to be allocated to the six three bedroom apartments, and one two-bedroom apartment.
- The parking aisle will be a minimum of 6.4 metres wide and incorporate 300mm minimum clearance where necessary to cater for any vertical obstructions such as walls, to ensure adequate vehicle manoeuvrability.
- At the end of the blind aisle, 1.25 metre extension to the aisle will be provided to aid with vehicle manoeuvrability.
- The length of the aisle will be less than 40 metres, this will restrict operating speeds to an
 acceptable level of less than 30 km/h.



7.11 Tandem parking spaces

Tandem parking has become popular within apartment buildings, as they allow for more parking spaces in constrained sites. Mainland councils are allowing tandem parking for residential unit developments, as long as the arrangement can be accommodated without causing inconvenience, or congestion. Tandem parking for residential unit development is generally permitted on the following conditions:

- No small car space is allowed within a tandem parking arrangement.
- Tandem parking is not permitted for visitor parking.
- · Each tandem parking arrangement must be allocated to the same residential unit.
- Shuffling of vehicles associated with tandem parking must be carried out wholly within the site.
- Minimum length of a tandem parking space is 10.4 metres long.

It is important that `shuffling' of vehicles associated with tandem parking can be done efficiently within the development site, so that residents do not choose to park on the street, and other users of the parking area are not inconvenienced. For these reasons, the width of the tandem parking space and adjacent parking aisle are important, to ensure shuffling manoeuvres can be undertaken efficiently.

The width of angle parking spaces is derived from the base dimension of the vehicle, and adding width to accommodate door opening. The standard 2890 part 1: specifies the minimum parking width is 2.6 metres wide to allow a B85 vehicle to fully open all doors. On the assumption that the adjacent vehicle is a B85 vehicle, there should be a 0.73 metres gap between vehicles. This gap allows for doors to open, and occupants to move freely between vehicles, which is critical for tandem parking. If B99 vehicles are parked in adjacent spaces, the gap between the vehicles reduces from 0.73 to 0.66 metres.

Swept path testing for a B85 vehicle has found that the new State-Wide planning scheme that prescribed parking spaces to be 2.6 metres wide, with parking aisle of 6.4 metres, provides a higher level of service for users, allowing a B85 vehicle to enter, and leave the parking space more efficiently, and would be suitable for tandem parking.

Having consideration to the residential use, the low turnover of the parking spaces, the provision of a designated vehicle turning bay within the basement, the width of the parking spaces and parking aisle, this layout is expected to provide a suitable level of service for tandem parking, without causing adverse impact to other uses, or traffic congestion.



7.12 Manoeuvrability of vehicles within the basement car park

Diagram 7.12A – Swept path of B85 vehicle entering the parking spaces

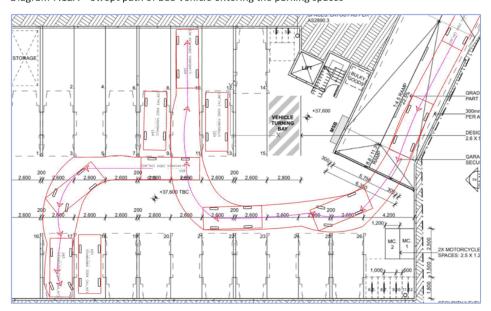


Diagram 7.12B – Swept path of B95 vehicle leaving the tandem parking spaces.

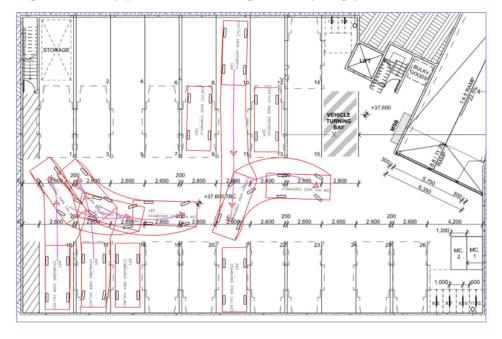
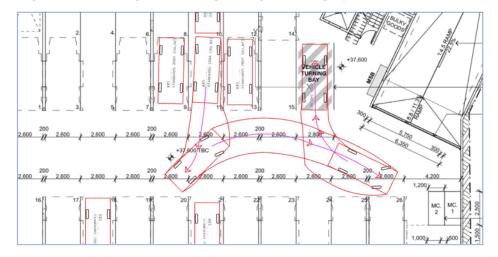




Diagram 7.12 C – Shuffling of vehicles using the designated turning bay



The wider parking spaces of 2.6 metres, combined with the parking aisle of 6.4 metres provides a higher level of service for users, and improves efficiency for vehicles entering and leaving the parking spaces.

7.13 Bicycle facilities

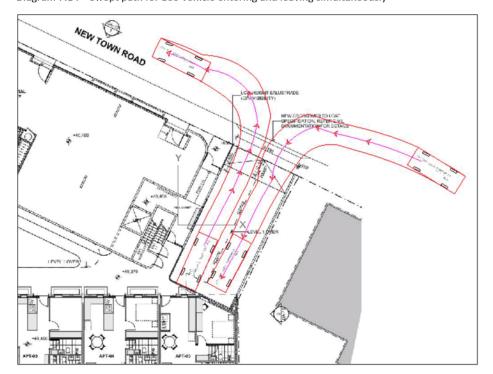
To promote the use of bicycles as a viable alternative to private vehicles, the development will provide:

- two bicycle racks for 12 bikes within the basement car park, which is consider a secure facility
 as only residents have access to the basement, and
- a bike wheel frame within the courtyard area for use by Fitness Centre members.

7.14 Vehicles entering and leaving the basement car park

Autoturn online vehicle turning swept path software has been used to ensure the basement car park arrangement accommodates B99 vehicles, arriving and departing simultaneously as shown in the diagram below.

Diagram 7.14 – Swept path for B99 vehicle entering and leaving simultaneously



APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

8. Planning scheme

8.1 E5.0 Road and Railway Assets Code

E5.5.1 Existing access and junctions

The development sites current use is a drive thru coffee business (Gioconda Coffee Roasters) that operates between 6:00am and 2:00pm, with an existing entry and exit onto New Town Road. A recent traffic survey established this business can generate a peak hour traffic flow of 80 trips, and an estimated total of 468 daily trips.

The proposed development is expected to generate a reduced number of trips entering and leaving New Town Road, with 11 trips expected for peak hour, and a daily total of 104 trips.

A reduction of trips generated by this new use is expected to improve traffic efficiency along New Town Road and complies with the acceptable solution under the planning scheme.

E5.6.4 Sight distance at accesses, junction, and level crossings

This new development will convert the existing entry and exit into a single two-way access located on the southern boundary. Motorists leaving this access will have available sight distance, that exceeds the minimum Safe Intersection Sight Distance prescribed in the planning scheme for a 50 km/h speed limit.

This development will comply with the acceptable solution for Safe Intersection Sight Distance, and motorists will be able to enter New Town Road in a safe manner, without disrupting the current road users.

8.2 E6.0 Parking and Access Code

E6.6.1 Number of parking spaces for the residential apartments

The development will provide 26 on-site parking spaces, with these spaces allocated to the residential apartments.

The planning scheme indicates for multiple dwellings with two or more bedrooms, two parking spaces should be provided, and one visitor space per four dwellings.

The number of spaces required under the planning scheme is 38 spaces for the 19 apartments, which is considered excessive, as the planning scheme does not take into account the apartments inner-city residential location within four kilometres of the Hobart CBD, and location of the development on a high frequency public transport route.

APARTMENT BUILDING, 156 NEW TOWN ROAD NEW TOWN

The RTA Guide recognises that for medium density units located on a high frequency bus route, car space requirements are reduced, where a two-bedroom unit requires only one car space. As this Guide indicates for these apartments 23 spaces would be sufficient to meet the expected demand.

The number of parking spaces for the residential apartments must be considered under the performance criteria.

Pe	rformance criteria	Assessment					
То	ensure there is enough car par	king to meet the reasonable needs of all users of a					
de	velopment, taking into account the l	evel of parking available on or outside of the land and the					
ac	cess afforded of users by other mod	es of transport. The use or development does not detract					
fro	om the amenity of users or the local	ity by preventing regular parking overspill and minimising					
the	the impact of car parking on heritage and local character.						
a)	car parking demand;	The planning scheme specifies that 38 parking spaces are required for the 19 residential apartments, plus five spaces for visitors. The development is providing 26 spaces, based on one space for apartments with two bedrooms, and two spaces for apartments with three or more bedrooms. This number of parking spaces is considered reasonable to meet the expected demand. This number of spaces being provided is supported by the RTA Guide for medium density unit developments. In addition to the 26 spaces, two dedicated motorcycle parking spaces will be provided in the basement car park. Visitor parking will share the available supply of onstreet spaces.					
b)	The availability of on-street and public car parking in the locality;	A recent parking supply and demand survey of the surrounding streets within 150 metres of the development site, found there is 127 spaces available. A patrolled survey found a minimum of 51 of these spaces were free during the day, and these could be used by visitors.					
c)	The availability and frequency of public transport within 400m walking distance of the site;	METRO Tasmania runs a high frequency bus service between Glenorchy and Hobart via New Town Road, with a bus operating every ten minutes between 7:00am to 7:00pm, Monday to Friday, every twenty minutes on Saturday, and every thirty minutes on Sunday. With bus stops located within 50 metres of the development site, this provides residents with a convenient and viable alternative transport mode.					
d)	the availability and likely use of other modes of transport;	The development site is located within four kilometres of the Hobart CBD, making bicycle riding a viable option, particularly with on-road cycle lanes operating along Argyle Street, extending into New Town Road. Also, the development site is located 1 kilometre from the innercity cycle route.					
e)	the availability and suitability of alternative arrangements for car parking provisions;	The inner residential suburb provides residents with a range of commercial and retail businesses within walking distance, reducing the reliance on a car.					



f)	any reduction in car parking	The RTA guide for traffic generation developments is a
	demand due to the sharing of car	nationally accepted document that provides advice on
	parking spaces by multiple uses,	design criteria for new developments. For medium
	either because of variation of car	density residential units located on a high frequency bus
	parking demand over time or	route, one parking space is considered appropriate for a
	because of efficiencies gained	two bedroom unit, and two spaces for three or more
	from the consolidation of shared	bedrooms. The RTA Guide indicates 23 spaces would be
	car parking spaces;	suitable for this development.
g)	Any car parking deficiencies or	None.
	surplus associated with the	
	existing use of the land;	
h)	Any credit which should be	None.
	allowed for a car parking demand	
	deemed to have been provided	
	in association with a use which	
	existed before the change of	
	parking requirements, except in	
	the case of substantial	
	redevelopment of a site;	
i)	The appropriateness of a	No financial contribution is considered necessary as the
	financial contribution in lieu of	level of on-site parking spaces will more than meet the
	parking towards the cost of	needs of the development, without any adverse impact
	parking facilities or other	to the surrounding road network.
	transport facilities, where such	
	facilities exist or are planned in	
	the vicinity;	
j)	Any verified prior payment of a	None required.
	financial contribution in lieu of	
	parking for the land;	
k)	Any relevant parking plan for the	Not aware of any.
	area adopted by Council;	
1)	The impact on the historic	None expected.
	cultural heritage significance of	
	the site if subject to the Local	
	Heritage Code;	
m)	Whether the provision of the	None.
	parking would result in the loss,	
	directly or indirectly of one or	
	more significant trees listed in	
	the Significant Trees Code.	

E6.6.1 Number of parking spaces for the Fitness Centre

The development will not provide on-site parking for the Fitness Centre, customers will share the supply of on-street parking spaces available within the surrounding streets.

On-street parking is a resource that belongs to the community, that can be shared between the various land-users, and short term parking restrictions ensures sufficient parking turnover to meet the land-use demand. The urban Mixed Use zoning along New Town Road permits commercial development, and many of the surrounding businesses currently share the current supply of onstreet parking.

A recent parking supply and demand survey of the surrounding streets found there is sufficient supply of on-street parking that can be shared with this new use, without adversely impacting

Parking for the Fitness Centre must be considered under the performance criteria.

Performance criteria	Assessment					
To ensure there is enough car parking to meet the reasonable needs of all users of a						
development, taking into account the level of parking available on or outside of the land and						
the access afforded of users by other modes of transport. The use or development does not						
detract from the amenity of users or the locality by preventing regular parking overspill and						
minimising the impact of car parking on	minimising the impact of car parking on heritage and local character.					
a) car parking demand;	Based on the total floor area of the Fitness Centre being 360m2, the planning scheme specifies 16 parking spaces. The RTA Guide estimates that the centre could generate a peak hour demand of 11 vehicles, and outside this peak period, the parking demand is expected to be much less. The centre opening hours are restricted to 7:00am to 9:00pm, with the average stay expected to be one hour. The peak hour demand is expected to occur between 6:00pm to 7:00pm, which occurs outside of the time when most of the surrounding commercial properties					
b) The availability of on-street and	A recent parking supply and demand survey of on-					
public car parking in the locality;	street parking supply and definant survey of on- street parking, found within 150 metres of the development site there is a supply of 127 on-street spaces. During the day there were a minimum of 51 spaces available, while at night this increased to 74 spaces available. There is a range of parking restrictions to ensure there is a high turnover of the spaces, and this parking survey demonstrates there is sufficient parking supply to meet the Fitness Centre on-street parking demand.					
c) The availability and frequency of public transport within 400m walking distance of the site;	A high frequency public bus route operates past the development site, with bus stops located within 50 metres of the development.					



d)	the availability and likely use of other modes of transport;	The location is within an inner residential suburb, with the area being a mix of residential, commercial, and retail businesses, suggesting walking is a viable
e)	the availability and suitability of alternative arrangements for car parking provisions;	mode of transport. A survey of Sydney Gymnasiums in 2014, found on average the transport mode of members using the facility, includes vehicle sharing of 16 percent and walking of 11 percent, and these modes reduce the demand of parking spaces required.
f)	any reduction in car parking demand due to the sharing of car parking spaces by multiple uses, either because of variation of car parking demand over time or because of efficiencies gained from the consolidation of shared car parking spaces;	None
g)	Any car parking deficiencies or surplus associated with the existing use of the land;	None.
h)	Any credit which should be allowed for a car parking demand deemed to have been provided in association with a use which existed before the change of parking requirements, except in the case of substantial redevelopment of a site;	None.
i)	The appropriateness of a financial contribution in lieu of parking towards the cost of parking facilities or other transport facilities, where such facilities exist or are planned in the vicinity;	No financial contribution is considered necessary as the level of on-street parking spaces will more than meet the needs of the development.
j)	Any verified prior payment of a financial contribution in lieu of parking for the land;	None required.
k)	Any relevant parking plan for the area adopted by Council;	Not aware of any.
1)	The impact on the historic cultural heritage significant of the site if subject to the Local Heritage Code;	None expected.
m)	Whether the provision of the parking would result in the loss, directly or indirectly of one or more significant trees listed in the Significant Trees Code.	None.

E6.7 Development standards

Development standards		Comment
6.7.1	number of	This development site will have a single two-way access.
	vehicular access;	
6.7.2	design of	The vehicular access will be designed to conform with the Australian Standards
	vehicular access;	2890 part 1.
6.7.3	vehicular passing areas along an	The internal parking aisle will be 6.4 metres wide to cater for two-way traffic movements.
	access;	
6.7.4	On-site turning;	There is a designated vehicle turning bay incorporated into the basement layout, and all vehicles will be able to enter and leave the development site in a forward driving direction.
6.7.5	Layout of parking areas;	Designed to conform with AS 2890 part 1.
6.7.6	Surface	Concrete surface.
	treatment of	
	parking areas;	
6.7.7	Lighting of	Lighting will be provided to satisfy the acceptable solution.
	parking areas;	
6.7.8	Landscaping of	No landscaping is planned for the basement parking area.
	parking areas;	
6.7.9	Design of	Two dedicated motorcycle parking spaces are being provided in the basement
	Motorcycle	car park.
	parking areas;	
6.7.10	Design of Bicycle	Secured bicycle parking spaces will be provided within the basement car park,
	Parking facilities;	while a bicycle frame where wheels can be locked, will be provided on the
		ground level for use by the Fitness Centre users.
6.7.11	Bicycle end of trip facilities;	Not required for residential apartments.
6.7.12	Siting of car	The on-site parking spaces will be accommodated on a basement level and not
	parking;	visible to New Town Road users.
6.7.13	Facilities for	Will need to share the on-street parking facilities, similar to other commercial
	commercial	businesses in the street.
	vehicles;	

9. Conclusion

This development site is an ideal location to create inner suburbia apartment living, close to public transport to reduce the use of private motor vehicles, and within walking distance to work, commercial, recreational, and cultural facilities. The Fitness Centre will benefit from the location being situated near other businesses and close to a large residential catchment area.

From a traffic engineering and road safety perspective, this development is expected to generate less traffic movements than the current land-use, and this will improve the safety and traffic efficiency along New Town Road.

Traffic entering and leaving the basement car park, is not expected to create any adverse safety or traffic efficiency impacts to pedestrians or existing road users, as there will be suitable sight distance, and entering vehicles are not expected to queue beyond the development site.

The number of on-site parking spaces located within the basement, is expected to meet the reasonable demand generated by residents of the apartments, with sufficient on-street parking supply to support visitor parking.

The basement parking layout includes tandem parking to increase the number of on-site car parking spaces, and this is considered appropriate for the residential use and the low parking turnover. The layout includes a designated vehicle turning bay for shuffling of tandem vehicles to occur within the site, the width of the parking spaces and parking aisle has been designed to ensure tandem parking can operate effectively, without adversely impacting other uses, or cause traffic congestion.

Users to the Fitness Centre will rely on the supply of on-street parking, similar to other commercial businesses along New Town Road. The recent parking supply and demand survey has demonstrated there is sufficient supply to support the new use, without causing impact to surrounding land-users. The peak demand for this new use is expected to occur outside of the operating times of most surrounding commercial businesses. Also, the opening hour of this new use is restricted to 7:00am to 9:00pm, to minimise amenity impact to surrounding residential properties.

The development site will provide convenient, safe, and accessible access for pedestrians at street level.

The waste collection will be arranged through a private contractor and this operation is not expected to impede pedestrian activity along the footpath.

An examination of the geometric internal layout of the basement car park, found compliance with the planning scheme and the Australian Standards 2890.

This Traffic Impact Assessment found no reason for this development not to proceed.

10. Appendix A – Ground floor layout



Re: Development Application - 156 New Town Road - Notification to Owner 18 Roope Street, New Town

From: Tim Lucas | tim@tslpropertydirections.com

Wednesday, 8 Dec 2021, 12:34 PM

To: peter.white@communities.tas.gov.au | peter.white@communities.tas.gov.au

Cc: Sarah Lindsay I LXN Architecture | sarah@lxn.com.au, Josh Crossin I LXN Architecture | josh@lxn.com.au

To: Peter White
Deputy Secretary, Housing, Disability, Community Services

Department of Communities Tasmania

Hi Peter,

In accordance with a requirement by Taswater I am notifying you (as representative of the owner) that we have lodged a Development application for our site at 156 New Town Road that borders the Director of Housing's units situated at 18 Roope Street, New Town.

Attached is a Request for Additional Information that has been sent to our architect pursuant to our application lodged and I have included a second attachment to assist your understanding of the sewer connection that needs to be upgraded if our development application is successful and we seek to proceed with the same.

I have attached emails between myself and Taswater that may also assist in the background to this notification. We understand that some future consent from the current owner of 18 Roope Street will be required to allow Taswater to undertake the abovementioned works on its land and that this notification does not infer or claim any consent.

If possible can I ask that you or an officer within Communities Tasmania acknowledge receipt of this email.

Happy to discuss if required.

Thank you.

Tim Lucas

TSL Property Directions

E: tim@tslpropertydirections.com

P: 0439 313 569

The contents of this email and any attachments to it are confidential. If you receive this email in error, please accept my apologies and delete it. Thank you.

Ī

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Development@taswater.com.au

tim@tslpropertydirections.com

8:47 AM

Hi Tim.

Thank you for your email. You are correct, I think the exact wording in LUPAA is that to satisfy s52 only a declaration need be provided that the adjoining property owner has been informed of the developer's intention to make an application. This is something the Planning Authority administers but because Council is not always aware of TasWater's servicing requirements we advise them via an RAI to avoid the issue of an invalid permit.

Consent is not required at the planning stage however the wording used in the request is designed to make the developer aware that they should disclose to the owner that the development will require works on their land and if the adjoining owner refuses to provide consent at the time the works are required to be undertaken then those works cannot proceed and that owner may appeal the Planning Authority's decision to issue a planning permit.

Please note that this is a request for additional information not a permit condition so a copy of the proposed letter you describe in your email will be sufficient to satisfy my request. Please submit a copy of the letter as your formal response to Council and they will refer it to TasWater and I will issue a Submission containing TasWater conditions to be appended to the Council permit.

Regards

Phil Papps

Senior Assessment Officer

D (03) 6237 8246 / 0474 931 272

F 1300 862 066

A GPO Box 1393, Hobart TAS 7001 169 Main Road, Moonah, TAS 7009

E <u>phil.papps@taswater.com.au</u>

W www.taswater.com.au/

Have I been helpful? Please provide feedback by clicking here.



Proposed Service Connection – 156 New Town Road:



Image opposite shows the manhole the Development at 156 New Town Road intends to connect to presently on 18 Roope Street.



TASMANIAN LAND TITLES OFFICE

Instrument Releasing Easements or Profits a Prendre Section 108 Land Titles Act 1980.





	DESCRIPTI	ON OF LAND								
Servient Folio of the	Register	Dominant Folio of the Register								
Volume	Folio	Volume	Folio							
171514	1	7973	1							
171514	2									

DIRECTOR OF HOUSING of GPO Box 44 Hobart Tasmania 7001 the registered proprietor/s of the land comprised in the above dominant folio of the Register Hereby Release unto Renewal

Developments Pty Ltd of level 5, 81 Elizabeth Street, Hobart in Tasmania 7000 the registered proprietor of the land comprised in the above servient folio of the Register the easement described as follows:-

Burdening Easement: a right of carriageway (appurtenant to Lot 1 on Diagram No 7973 over the Roadway shown on Plan No 171514.

Date: 5 January 2021

"SEE ANNEXURE PAGE FOR EXECUTION CLAUSE"

Land Titles Office Use Only



THE BACK OF THIS FORM MUST NOT BE USED

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PIN OR STAPLE HERE DO NOT GUM THIS FORM TO THE INSTRUMENT

ANNEXURE PAGE

PAGE 2 OF 2 PAGES Vol. 171514 Fol. 1

Richard Robert Gilmour

SIGNED by

being and as

and pursuant to an

Instrument of delegation dated the that of September 2018

In the presence of:-

Signature of Witness Full name of Witness

Address

Rebecca Thorpe

Occupation

L5/22 Elizabeth St, Hobart

Home Ownership Consultant

NOTE:- Every annexed page shall be signed by the parties to the dealing, or where the party is a corporate body, be signed by the persons who have attested the affixing of the seal of that body to the dealing.

Version 1





ENVIRONMENTAL SITE ASSESSMENT 156 New Town Road, New Town, Tasmania NOVEMBER 2020

For Renewal Developments Pty Ltd

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Environmental Site Assessment: 156 New Town Road, New Town

DOCUMENT CONTROL

Title	Version	Date	Author	Reviewed By
Environmental Site Assessment: 156 New Town Road, New Town	Version 1	5 th November 2020	Mark Downie	JP Cumming

Environmental Site Assessment: 156 New Town Road, New Town

EXECUTIVE SUMMARY

This report presents the findings of an Environmental Site Assessment (ESA) undertaken by Geo-Environmental Solutions Pty. Ltd. (GES) at 156 New Town Road, New Town, Tasmania - hereby referred to as 'The Site'. GES was commissioned Tim Lucas on behalf of Renewal Developments Pty Ltd, to conduct the site assessment. This ESA has been prepared by a suitably qualified and experience practitioner in accordance with procedures and practices detailed in National Environmental Protection Measure [Assessment of Site Contamination] (NEPM ASC; 2013).

The objective of this ESA was to investigate the site for contamination, we have done this by addressing E2.6.2 performance criteria under the *Hobart Interim Planning scheme 2015* for excavation. To assess the suitability and safety of the soil for excavation at a typical depth for foundation excavation, and any human or environmental risks of the soil present on site.

The following information was gathered during the desktop investigation:

- The Site is zoned Urban Mixed Use under the Hobart Interim Planning Scheme of 2015. The site
 slopes at around 7% to the North West, Maypole Rivulet is the nearest ecological receptor 500 m
 downgradient of the Site.
- The geology of the investigation area is Triassic aged sedimentary rocks (Rv), with our bore holes finding weathered sandstone at variable depths.
- Historical Aerial photographs and Dangerous Goods Records confirmed the following; an original
 building was present on the site since prior to 1946, with this building removed and the service
 station building erected prior to 1969. UPSS tanks were installed in 1962. The building was
 renovated between 1980 and 1989, which is likely to coincide with the service station being
 decommissioned around 1980 and Video Ezy operating on the site. More recently the site contains
 a coffee shop and laundry mat operations.
- The site is considered a potentially contaminated site due to past land use and the presence of UPSS.
 WorkSafe Tasmania Dangerous Goods Records indicate that petroleum fuels have been stored on site 1962-1980.
- Potential sources of contamination include the operations of a service station and workshop on the site, the presence of UPSS, and fill of undetermined origins on site.
- Contaminants Of Potential Concern (COPC) include the following: TPH/TRH; Mono Aromatic hydrocarbons: (BTEXN); PAH; and heavy metals.

From the soil assessment, it is concluded that:

- <u>Environment:</u> Benzo(a)pyrene and Total Recoverable Hydrocarbons Fraction 3 exceeded NEPM
 ASC 2013 ESL guideline limits. Zinc exceeded NEPM ASC 2013 EIL guideline limits. A
 Stormwater Management Plan (SWMP) will be required to account for the management and
 erosion of soil with ecological impacts, to prevent soil effecting nearby ecological receptors.
- Human Health: There were no human health guideline exceedances for dermal contact or vapour intrusion. There were no exceedances of NEPM ASC 2013 HIL guideline limits for dust inhalation and ingestion at commercial land use investigation limits, however there were exceedances for Benzo(a)pyrene and Lead at residential and recreational land use investigation limits. If the finalised designs indicate that the site is considered commercial operations at ground level, then there are no exceedances to guidelines and no risk to human health identified.
- Excavated Soil Management: In terms of *IB105* of the thirteen primary soil samples; Three samples are considered Level 3 Material (contaminated soil) due to Benzo(a)pyrene (in samples BH3 0.5-0.6, BH4 0.5-0.6 & BH5 0.5-0.6), and Sum of Polycyclic Aromatic Hydrocarbons (in sample BH3 0.5-0.6). Two samples are considered Level 2 Material (low level contaminated soil) due to metals and hydrocarbons. The remaining eight samples are considered Level 1 Material (clean fill). All of the samples taken at lower depths (0.85-0.90m and 1.5-1.6m) were considered Level 1 Material, suggesting that contamination is restricted to the shallow surface soil.

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Environmental Site Assessment: 156 New Town Road, New Town

GES recommends the following:

- There were no human health guideline exceedances for dermal contact, soil vapour intrusion or trench worker vapour risk. There were no HIL guideline exceedances for dust inhalation and ingestion at commercial land use class, but there were exceedances at residential and recreational land use for Benzo(a)pyrene and Lead. If developments include open space or residential apartments at ground level, the Site will require a Contamination Management Plan (CMP) relating to human receptors prior to soil disturbance during construction, and including mitigation measures post construction. If the entirety of the site is considered commercial land use at ground floor level (this may include the apartments being above the basement car park, and the soil at the open space area being excavated and replaced with clean fill), then the CMP will not be required.
- There is potential for ecological impact from hydrocarbons and heavy metals entering the waterway
 or impacting other ecological receptors during excavation, and a Stormwater Management Plan
 (SWMP) is required, to control erosion of excavated soil that may have an ecological impact.
- For soil disposal, the soil on site is a mixture of Level 1 (clean fill), Level 2 (low level contaminated soil) and Level 3 (contaminated soil) according to IB105. Any disposal of soil off-site must be in accordance with IB105 and the controlled waste regulations. We recommend excavated material be stockpiled on-site where additional testing can better delineate the areas of contamination prior to soil disposal, noting that most of the contamination appears to be concentrated in the upper soil horizons.
- It is likely that inactive Underground Petroleum Storage Systems (UPSS) infrastructure is present
 on the site, and will require decommissioning and removal.

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ABREVIATIONS

AEC Areas of Environmental Concern

AHD Australian Height Datum

ALS Analytical Laboratory Services

ANZECC Australia and New Zealand Environment and Conservation Council

BGS Below Ground Surface

BH Borehole

BTEXN Benzene Toluene Ethylbenzene Xylene Naphthalene

COA Certificate of Analysis
COC Chain of Custody

COPC Contaminant of Potential Concern

CRC CARE Corporative Research Centre for Contamination Assessment and Remediation of the

Environment

CSM Conceptual Site Model

DQO Data Quality Objectives

EOH End Of Hole

EIL Ecological Investigation Levels
ESL Ecological Screening Levels

EPA Environmental Protection Authority
ESA Environmental Site Assessment
GDA94 Geocentric Datum of Australia 1994
GES Geo-Environmental Solutions Pty. Ltd.

HIL Health Investigation Levels
HSL Health Screening Levels
IL Investigation Levels
LOR Limits of Reporting
MDL Mean Detection Limit

NATA National Association of Testing Authorities

NEPM ASC National Environmental Protection (Assessment of Site Contamination) Measure

NHMRC National Health and Medical Research Council

NL Non Limiting

NRMMC Natural Resource Management Ministerial Council

PAH Polynuclear Aromatic Hydrocarbons

PCP Physio-Chemical Parameters
PHC Petroleum Hydrocarbons
PID Photo-Ionisation Detector

PPA Preferential (PVI) Pathways Assessment

PVI Petroleum Vapour Intrusion

TPH Total Petroleum Hydrocarbons

TRH Total Recoverable Hydrocarbons

USCS Unified Soil Classification System

1 INTRODUCTION

1.1 General

This report presents the findings of an Environmental Site Assessment (ESA) undertaken by Geo-Environmental Solutions Pty. Ltd. (GES) at 156 New Town Road, New Town, Tasmania - hereby referred to as 'The Site'. The Site location is presented in Figure 1 and the aerial photograph is presented in Figure 2. GES was commissioned by Tim Lucas of Renew Developments Pty Ltd, to conduct the site assessment.

The Site is located in a commercial/retail precinct, surrounded by residential properties, in New Town, approximately 2.5 km NNW of Hobart CBD. The ESA has been requested by the client prior to submitting a planning permit. The ESA will compare contamination against E2.6.2 Excavation code of the Potentially Contaminated Land Code which will account for any future potential contact or excavation of earth such as services trenches or digging for foundations.

This ESA has been prepared by a suitably qualified and experience practitioner in accordance with procedures and practices detailed in National Environmental Protection Measure [Assessment of Site Contamination] (NEPM ASC; 2013) guidelines and key regulations and policies identified in the References section of this document. Personnel engaged in preparing this ESA are listed in Appendix 1 along with their relevant qualifications and years of experience.

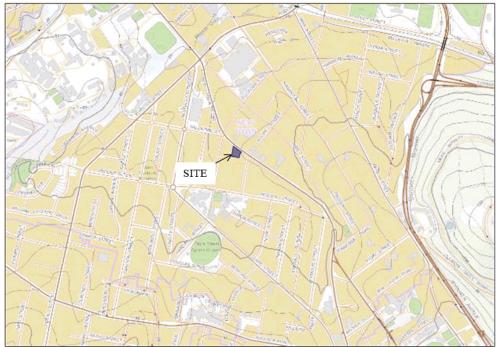


Figure 1 Site Location (Image C/O the LIST)

1.2 Site Layout

An aerial image of the existing site layout is presented in Figure 2.



Figure 2 Existing Site Layout (Image C/O Google Earth)

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Environmental Site Assessment: 156 New Town Road, New Town

1.3 Site Details

Site details are presented in Table 1.

Table 1 Site Details

SITE LOCATION:

156 New Town Road, New Town, Tasmania, Australia

INVESTIGATION AREA

The footprint of the site location

SITE ELEVATION & GRADIENT

Approximately 38-40 m AHD, average slope around 7% to the WSW.

SITE SURFACING

The site surface in the investigation area is predominantly sealed asphalt driveway and carparking areas and sealed concrete floor buildings, with natural soil (fill with disturbed appearance) present along the western and south western parts of the site.

TITLE REFERENCES

PID 5516671, CT 171514/1

SITE OWNER

Renewal Developments Pty Ltd

PREVIOUS LANDUSE

Commercial operations; service station, workshop, residential (prior to 1962)

SITE SURROUNDING LAND ZONING

Hobart Interim Planning Scheme 2015 – Urban Mixed Use

SITE LAND USE

Commercial. Coffee shop and laundry mat.

PROPOSED LAND USE

Construction of new residential apartments, with ground floor commercial operations and car parking basement

1.4 Investigation Objectives

The objective of this ESA was to:

- To address E2.6.2 of the HCC Interim Planning Scheme 2015, through an invasive soil investigation.
- Report findings in an Environmental Site Assessment report, detailing specific onsite human health or environmental risk which may source from potentially detected contamination

1.5 Scope of Works

The scope of work for this ESA was to:

- Conduct a desktop investigation, and undertake an invasive soil investigation at the Site.
- Conduct a site walkover.
- Excavate seven (7) bore holes and collect thirteen (13) primary soil samples; the primary samples
 were sent for analysis of total recoverable hydrocarbons (TRH) Benzene Toluene Ethylbenzene
 Xylene Naphthalene (BTEXN), Polynuclear Aromatic Hydrocarbons (PAH), and a suit of fifteen
 (15) metals to a National Association of Testing Authorities (NATA) accredited laboratory.
- Soil samples were sent with quality assurance/ quality control (QA/QC) samples including one
 duplicate split sample and one rinsate blank sample.
- Determine the absence or presence and if present the level of site contamination and compare soil
 results against the relevant guidelines.
- Conduct a risk assessment, known as a Conceptual Site Model; and
- Report findings in an Environmental Site Assessment report, detailing specific onsite human health or environmental risk which may source from potentially detected contamination.

2 PLANNING

2.1 Overview

The client has requested an Environmental Site Assessment (ESA) of the Site in due diligence prior to submitting a Planning Permit with Hobart City Council (HCC) for a potential 3 storey building featuring commercial operations at ground floor level and a car parking basement. Draft designs are presented in Appendix 2 and are subject to change before final plans are submitted.

2.2 Interim Planning Scheme

2.2.1 Acceptable Solutions

As the history of the Site suggests that potentially contaminating activities may have taken place on and near the site, for any future potential *excavation* at the Site, there are no acceptable solutions to proposed works, and therefore E2.6.2 P1 performance criteria are to be addressed.

2.2.2 Excavation Works E2.6.2 P1

As there is proposed excavation works at the Site, there are no acceptable solutions to proposed works, E2.6.2 P1 performance criteria are to be addressed. The performance criteria identify that the excavation works must not adversely impact on health and the environment, having regard to:

- (a) an environmental site assessment that demonstrates there is no evidence the land is contaminated; or
- (b) a plan to manage contamination and associated risk to human health and the environment that includes:
 - i. an environmental site assessment;
 - any specific remediation and protection measures required to be implemented before excavation commences; and
 - a statement that the excavation does not adversely impact on human health or the environment.

2.2.3 Statement of Suitability

A statement based on the results of the Environmental Site Assessment that the excavation as part of the planned works will not adversely impact on human health or the environment is to be provided (subject to implementation of any identified remediation and/or protection measures as required).

3 DESKTOP STUDY

3.1 Site Zoning

The Site is zoned *Urban Mixed Use* under the Hobart Interim Planning Scheme of 2015. The land use surrounding the Site is *Urban Mixed Use* and *Inner Residential*, with New Town Road zoned *Utilities*. (Figure 3). The site is to be assessed against land use Class D for assumed ground floor commercial use, and also compared against land use classes A, B and C to account for the potential of ground floor residential use.



Figure 3 Hobart Interim Planning Scheme Zones (2015)

3.2 Site Walkover

A site walkover was completed by GES staff on the 2^{nd} September 2020. No obvious signs of contamination such as staining or odour was observed, however it should be noted that most of the soil is covered by asphalt and concrete. Photographs from the site including excavated soil cores from the bore holes, are presented in Appendix 3.

3.3 MRT Geology Mapping

The 1:25,000 scale geology map of the Greater Hobart area (see excerpt in Figure 4) shows that the investigation area overlays Triassic sedimentary rocks (Rv). Nearby geological units include Jurassic dolerite to the north east and Quaternary alluvial deposits downgradient to the west and north west of the site. The following geological units are displayed in Figure 4:

 ${f Rv}$ - Undifferentiated volcaniclastic, quartz-rich lithic and quartzose sandstone, siltstone, mudstone, carbonaceous beds and coal seams

 \mathbf{Rvcq} - Interbedded cross-bedded white quartzose sandstone, quartz-rich lithic sandstone, siltstone and mudstone

Rvcg - Thickly- to thinly-bedded volcanic lithic sandstone, siltstone, mudstone and coal seams, fossil plants on some horizons (Newtown Coal Measure)

- Jd Dolerite and related rocks
- Qa Alluvial gravel, sand and clay.



Figure 4 Mineral Resources Tasmania 1:25.000 Scale Mapping.

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3.4 Historical Aerial Photography Interpretation

The 1946, 1957, 1969, 1977, 1980, 1989 historical aerial photographs and Google Earth images from 2003 to 2020 were viewed as part of this ESA. The photographs are presented in Appendix 4.

In summary the following observations can be made from the historical aerial photographs, historical photographs:

1946 & 1957 aerial photographs – A large house is present on the site, with gardens and shrubs at the road frontage.

1969 & 1977 & 1980 aerial photographs – The orioginal house has been demolished and the new service station structure is visible, with an awning covering the bowsers.

Note - the site is licenced to store dangerous goods (petrol and kerosine) from 1962 (Section 3.5).

1989 aerial photograph – The service station building has been renovated, with the awning over the bowsers removed, and an addition to the south east.

Note - real estate listing history has building construction date as 1980, which could coincide with the addition to the building, it may be around this time that the service station ceased operation and Video Ezy operated from the premises. The site was sold in 2017, which could coincide with the coffee shop and laundry mat operations commencing.

2003-2015 Google Earth images – the site is consistent with the 1989 aerial photograph.

2016-2020 Google Earth images – the blue ice dispenser machine is visible, and fresh road markings (arrows and parking bays) are visible.

3.5 WorkSafe Tasmania Dangerous Goods Records

WorkSafe Tasmania (WST) was contacted regarding the Site. Correspondence with WST is presented in Appendix 5. The information contained within the Dangerous Goods Records is summarised as follows:

Documents approving storage of dangerous goods for year "74/75"

Application for storage of petrol and kerosine dated "7 Dec 1962"

Approval of tank 31/8/1962, inspected 28/11/1962

Driveway Layout for Service Station, site plan 25/5/1962

3.6 Environment Protection Authority records

Environmental Protection Authority (EPA) Tasmania, Property Information Requests (PIR)s are currently unavailable while staff have been allocated other tasks relating to the COVID-19 pandemic. The EPA Regulated Premises layer on The LIST shows no regulated premises within a 1 km radius of the site, three decommissioned UPSS (black pin) and one active UPSS (green pin) as illustrated in Figure 5. The UPSS 120 m to the ESE (upgradient) at 119 New Town Road was decommissioned in 2016, with GES undertaking testing and reporting for this site in 2013 and 2016. The active UPSS is at 101-103 Augusta Road, Lenah Valley, which is an active Caltex Service Station. This site is 930 m from the site, and in a different groundwater catchment to the site.

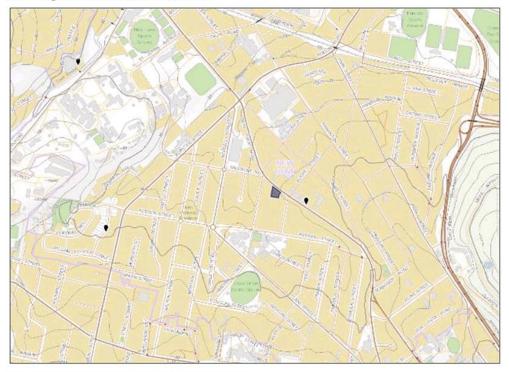


Figure 5 EPA regulated premises and registered UPSS

3.7 Site Topography, Drainage & Hydrogeology

The site has a gentle slope tending to a steeper bank of fill at the rear (south west) of the property, the average gradient of the area is 7%. Groundwater and surface water is expected to follow the topography and tend WSW around the Site to then follow a N trajectory around Montagu Street and then to Maypole Rivulet, which is the nearest ecological receptor approximately 500 m NNW of the site. Surface water is likely to enter stormwater infrastructure, and may discharge into Maypole Rivulet. Groundwater and surface water inferred flow directions are illustrated in Figure 6.

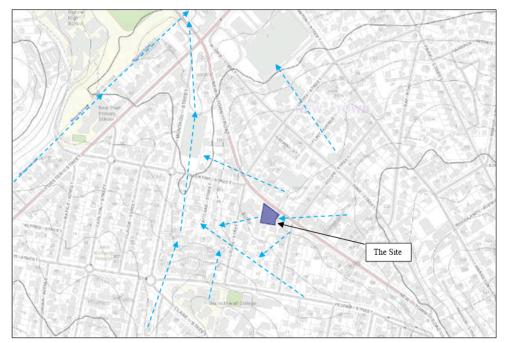


Figure 6 Contour Elevations and Inferred Surface and Groundwater Flow Direction

3.8 Groundwater

3.8.1 Potential Up-Gradient Contamination Sources

The majority of the land upgradient of the Site is residential, and not likely to feature contamination sources, with the exception of 119 New Town Road (former Mayne's Marine), where the UPSS was decommissioned and removed from the site.

3.8.2 Downgradient Ecosystem Receptors

Maypole Rivulet is present 500 m downgradient of the Site. Maypole Rivulet discharges into the River Derwent approximately $1.3~\mathrm{km}$ to the NE of the Site.

3.8.3 Registered Water Bores

There are no downgradient water bores that could be effected by the Site, and no water bores directly upgradient of the Site. The nearest registered water bore is 1.9 km away to the East of the site, in a different catchment. (DPIPWE groundwater information access portal 2020).

3.8.4 Acid Sulfate soils

According to the Land Information Service Tasmania (LIST) database, the nearest Low Probability, Potentially Acid Sulfate Soils (ASS) are 550 m downgradient of the Site at Maypole Rivulet. We do not consider ASS to be a concern on the site.

3.9 Potential Contamination Issues

3.9.1 Areas of Potential Concern

The Site is considered an area of potential concern due to the following potential contamination pathways.

- Use of the site as a service station, with UPSS storing petroleum chemicals present on site approximately 1962-1980.
- Unknown decommissioning dates of UPSS infrastructure, with UPSS potentially remaining on site since 1980.
- Fill of undetermined origins present at the site in the south western corner.

3.9.2 Contaminants of Potential Concern

Contaminants of potential concern (COPC) that have been considered include the following:

- Total Petroleum/Recoverable Hydrocarbons (TPH/TRH);
- Mono Aromatic hydrocarbons: Benzene, Toluene, Ethylbenzene, Xylene, Naphthalene (BTEXN);
- Polynuclear Aromatic Hydrocarbons (PAHs);
- · A suite of 15 Metals (south west part of the site); and
- · Lead (entire site).

4 FIELD INVESTIGATION PROCEDURES

4.1 Works Summary

Site investigation works are summarised in Table 2, Figure 7, Figure 8 and Figure 9.

Table 2 Summary of Site Investigation Work Dates

Scope	Date	Lab Report	Details
Drilling/ Soil	2 nd	EM2015530	13 primary soil samples, 1 duplicate sample and
Sample Collection	September		1 Rinsate blank sample were collected from 7
	2020		bore holes.



Figure 7 Borehole Plan (Bore hole locations illustrated on aerial photograph with 1962 site plan overlaid)

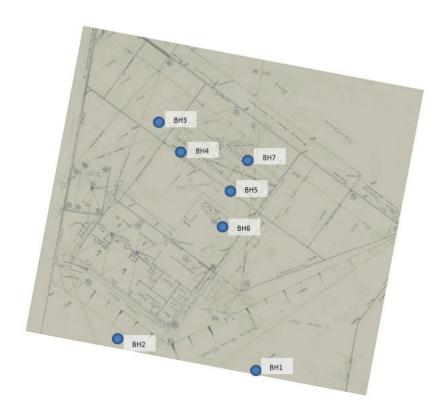


Figure 8 Borehole Plan (Bore hole locations illustrated on 1962 site plan)



Figure 9 Borehole Plan (Bore hole locations illustrated on aerial photograph)

4.2 Soil Investigation

4.2.1 Borehole Drilling

A total of seven holes were drilled for sampling for contamination impact. The bores were drilled by GES using the industry recognized Geoprobe direct push drilling system. The selected drilling method involved using a Geoprobe dual tube to retain wall integrity and eliminates risk of profile collapse whilst allowing extraction of 1.0 m length sample cores and allows for deployment of pre-packed well systems. The test holes were dug to depths of 2.0m or to refusal on underlying rock, to extract soil required for analysis, and to assess underlying geological conditions.

4.2.2 Soil Sampling

Soil sampling was conducted per the National Environmental Protection Measure (NEPM ASC 2013) and AS4482 sampling guidelines. Table 3 presents a summary of the soil assessment methodology adopted at the Site.

Table 3 Summary of Soil Sampling Methods

Activity	Details / Comments
Drilling Method	Geoprobe direct push drilling.
Soil Logging	Logging the soil was conducted in accordance with the unified soil classification system (USCS) as detailed in AS1726 (1993).
Decontamination of Sampling Equipment	Quantum Clean Laboratory Detergent (R213) was used to decontaminate reusable sampling equipment (hand auger) between each borehole sampling event.
Soil Screening	In accordance with AS4482.2. Individual soil samples were collected at 0.5 intervals below ground surface (bgs) and/or change in geology. Collected samples were deemed to not have odour associated with hydrocarbon contamination, and screening for volatile fractions using a photoionisation Detector (PID) was deemed not necessary.
Laboratory Soil Sample Collection	In accordance with AS4482.2. All samples were collected using disposable nitrile gloves. Samples were selected for laboratory analysis at; 0.5-0.6m below ground surface (BGS) (or 0.85-0.90m BGS in the case of BH7 due to deep concrete). and 1.5-1.6m BGS. A minimum number of samples were carefully selected which would provide enough information to delineate soil contamination.
Sample preservation	Samples were placed into a jar for laboratory analysis. Soil jars were placed in a pre-chilled cool box with ice bricks.
Sample holding times	Sample holding times exceeded acceptable range (based on NEPM ASC B3-2013), time from collection to extraction.

4.2.3 Soil Analysis

Primary and QC samples were submitted to Analytical Laboratory Services (ALS), Springvale, Melbourne for analysis. A total of 13 primary samples were selected for analysis. Chain of Custody (COC) documentation was completed and is provided in Appendix 6 along with the Sample Receipt Notification (SRN) for each batch. Table 4 presents a summary of the laboratory analyses undertaken.

Table 4 Overview of Soil Analysis and Quality Control

Analytes	Primary Samples	Duplicate ^a	Rinsatec
TPH	13	1	1
BTEX	13	1	1
PAH	13	1	1
Suite 15 Metals	13	1	1

Sampling Quality Control Standards (AS4482):

- b Inter-lab duplicate split sample one (1) in twenty (20) primary samples
- $c-Single\ rinse\ sample\ per\ piece\ of\ equipment\ per\ day\ d-Trip\ blank\ and\ Field\ blank\ where\ hydrocarbon\ odour\ is\ discernible$

Given metals were analysed, there was a requirement to assess the following soil physical properties to determine soil threshold investigation levels: Soil grain class (sand/silt or clay); % Clay content; Cation exchange capacity (CEC); and Soil pH. The soil physical properties were based on knowledge of similar soil types encountered around the greater Hobart area.

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5 QUALITY CONTROL

All Field and laboratory Quality Assurance and Quality Control (QA/QC) details and outputs are presented in Appendix 7.

5.1 Field

It is standard to expect up to 10% error in field duplication and up to 10% laboratory error. Therefore, in theory up to 20% error can be assumed on duplicate analysis. Some variation may exist in soil and groundwater because even though all efforts are made to split samples homogeneously, fragments of materials may bias samples in certain elements.

Relative Percentage Differences (RPDs) for the duplicate and triplicate samples where applicable are calculated using the method outlined below.

The acceptance criteria used for the RPDs depend on the levels of contaminants detected and the laboratory's Method Detection Limits. The closer the levels detected are to the MDL the greater the acceptable RPD. RPDs are calculated as follows:

- RPD <50% for low level results (<20 * MDL)
- RPD <30% for medium level results (20-100 * MDL)
- RPD <15% for high level results (>100 * MDL)
- No limit applies at <2 * MDL (Method Detection Limit)

Field QA/QC procedures and compliance are summarised in Table 5

Table 5 Soil Field QA/QC procedures and Compliance

QA/QC Requirement	Compliance	Comments							
Appropriate sampling strategy used and representative samples collected	Yes	Sampling program was undertaken in accordance with AS4482.1-2005							
Appropriate and well documented sample collection, handling, logging and transportation procedures.	Yes	Appropriate and well documented							
Decontamination	Yes	Appropriate decontamination such as cleaning tools before sampling and between sample locations was undertaken							
Chain-of-custody documentation completed	Yes	COC were completed in accordance with NEPM ASC Schedule B2, Section 5.4.5 and transported under strict COC procedures. The signed COC documents are included in this report, which includes the condition report on arrival of samples to the Laboratory, cross checking of sample identification and paperwork and preservation method.							
Required number of splits: Duplicate & inter-lab splits: 1 per 20 primary samples	No	One duplicate sample was collected and tested, for 13 primary samples, as per AS4482.1-2005. An inter-laboratory split sample was not collected.							
QA/QC samples reported RPD's within indicated MDL guidelines.	No	For Duplicate and BH1 0.5-0.6 pairs, 90% of analytes complied. Non compliances include: an RPD of 43% for Lead where <15% was expected; Inconsistent Detection for C10 - C36 Fraction (sum) an RPD of 79% for >C16 - C34 Fraction where <50% was expected; an RPD of 79% for >C10 - C40 Fraction (sum) where <50% was expected; expected;							
Required numbers of rinse blank samples collected with no laboratory detections?	Yes	One rinse blank sample was collected as per AS4482.1-2005							
Trip blanks collected with no laboratory detections?	NA	According to AS4482.2-1999, soil trip blanks are required where volatile hydrocarbons are discernible. This was not required.							
Field blanks collected with no laboratory detections?	NA	According to Australian Standards, there is no requirement to collect field blanks, unless there is concern with cross contamination risks.							
Samples delivered to the laboratory within sample holding times and with correct preservative	Yes	All samples were sent to the laboratory with correct preservative, and within required holding time.							

5.2 Laboratory

Soil laboratory QA/QC procedures and compliance are summarised in Table 6.

Table 6 Soil Laboratory QA/QC Procedures and Compliance

QA/QC Requirement	Compliance	Comments
All analyses NATA accredited	Yes	ALS Laboratories is NATA Accredited. Appropriate analytical methods used, in accordance with Schedule B(3) of the NEPM ASC 2013. Acceptable laboratory limits of reporting (LORs) adopted.
Method Blanks: zero to <practical quantitation<br="">Limit (PQL)</practical>	Yes	There were no method blank value outliers in the QCI report.
Laboratory Control Samples: 70% to 130% recovery for soil.	No	For EM2015530: Polynuclear Aromatic Hydrocarbons in sample QC-3253362-001, Benzo(a)pyrene, recovery greater than upper control limit.
Matrix spikes: 70% to 130% recovery for organics or 80%-120% recovery for inorganics	No	For EM2015530: Total Petroleum Hydrocarbons in sample EM2015530-003, C29-C26 Fraction, recovery greater than upper data quality objective. Total Recoverable Hydrocarbons (NEPM 2013) in sample EM2015530-003, >C34-C40 Fraction, recovery greater than upper data quality objective.
Duplicate Samples: 0% to <20% RPD.	Yes	There were no duplicate sample RPD outliers in the QCI report.
Surrogates: 70% to 130% recovery	Yes	There were no surrogate recovery outliers in the QCI report.
Analysis holding time outliers	Yes	There were no laboratory control outliers in the QCI report.
Quality Control Sample Frequency Outliers	No	For EM2015530: For NEPM 2013 B3 & ALS QC Standard; TRH – Semivolatile Fraction; Matrix Spikes 0, expected 5.

6 FIELD INVESTIGATION FINDINGS

6.1 Soil Bores

6.1.1 Geological Interpretation

The geology of the investigation area appears to be consistent with the Rv geological unit. Weathered sandstone rock was found at depths around $1.5\mathrm{m}-1.7\mathrm{m}$ BGS. Some gravels and clay mineralogy of the soil suggest that upslope Jurassic dolerite may have influenced the soil in the profile, however the bedrock appears to be Triassic sandstone.

6.1.2 Grain & Depth Class Interpretation

Grain size classifications are applied to all soils at the Site to determine threshold screening level concentrations for hydrocarbons (and chromium) to assess soil ecological and human health risks.

Grain class threshold values are determined based on either the:

- sample grain size (in the case of ecological screening levels or chromium limits); or
- average grain class overlying the sample point (when assessing petroleum vapour screening levels)
 relative to the proposed finished floor level.

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Table 7 provides a summary of the grain class averages for material overlying the sample.

Table 7 Summary of Grain Class Based on USCS Classification

	Soil Grain Size Class Averaging Above Soil Sample												Att	enua	tion	HSL									
Sample	Footing Excavation Depth^- Fill Thickness^A-Green	Sample PVI Depth (m) Rebtive to Sbb/Cut Depth	GW	GP	GM	GC	sw	SP	SM	sc	ML	CL	OL	МН	СН	он	а	Rock (R)	Existing Pavement (P)	Craw1 Space Thickness (m)	Proposed CONCRETE (CH)	CrawlSpace	Biodegradation	Petroleum Vapour Intrusion Grain Class*	SAMPLE USCS
BH1 0.5-0.6	3.0	0.5								0.4										NA	0.1	1.0	1.0	SAND	SC
BH1 1.5-1.6	3.0	1.5				0.1				0.9							0.4			NA	0.1	1.0	1.0	SAND	GC
BH2 0.5-0.6	3.0	0.5								0.4										NA	0.1	1.0	1.0	SAND	SC
BH2 1.5-1.6	3.0	1.5								1.4										NA	0.1	1.0	1.0	SAND	SC
BH3 0.5-0.6	0.4	0.5								0.4								0.0		NA	0.1	1.0	1.0	SAND	SC
BH3 1.5-1.6	0.4	1.5				0.2				0.7							0.5	0.0		NA	0.1	1.0	1.0	SAND	GC
BH4 0.5-0.6	0.4	0.5						0.3		0.1								0.0		NA	0.1	1.0	1.0	SAND	SC
BH4 1.5-1.6	0.4	1.5						0.3		0.4							0.7	0.0		NA	0.1	1.0	1.0	CLAY	GC
BH5 0.5-0.6	0.4	0.5						0.2		0.2								0.0		NA	0.1	1.0	1.0	SAND	SC
BH5 1.5-1.6	0.4	1.5						0.2		0.5							0.7	0.0		NA	0.1	1.0	1.0	CLAY	CI
BH6 0.5-0.6	0.4	0.5				0.4												0.0		NA	0.1	1.0	1.0	SAND	GC
BH7 0.85-0.95	0.4	0.8																0.7		NA	0.1	1.0	1.0	CLAY	CI
BH7 1.5-1.6	0.4	1.5															0.7	0.7		NA	0.1	1.0	1.0	CLAY	CI

Footnotes

6.1.3 Soil Contamination Observations

No staining or odour consistent with hydrocarbon contamination were observed in excavated soil during the site visit.

^{*} Grain class is modified based on proposed building construction: concrete is interpreted to have similar vapour intrusion properties to clay and is therefore designated as CLAY within the grain size averaging assessment; backfill is inferred to comprise of gravel (GW)

< Sample has been collected from above the proposed excavation (base of slab or proposed ground level) and is not relevant in PVI risk assessment

[^] Excavation depths are approximate and may vary due to change in services depths or overall building/footing construction design

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6.1.4 Land Use Class

For surrounding properties, the potential PVI risk is characterized through application of CRC CARE HSL's for each individual property based on their existing land use (NEPM 2013; Friebel & Nadebaum 2010). The CRC CARE guidelines have been referenced to ensure that the correct land use and density category has been adopted for surrounding land use to ensure health risks are consistent with the HSL models. Aspects considered include the:

- Sensitivity of the existing or potential land use;
- Percentage of paved area for defining potential vapour migration risk;
- · Type of basement garage which may influence the confinement of PHC vapours;
- Presence of a slab or cavity for discerning vapour intrusion risk.

If hydrocarbon impacted soil is resulting in ambient vapours discerned at the site, consideration is given to downgradient receptors. Where applicable, land use class therefore considers:

- Downgradient receptors where onsite HSL exceedances have been identified in passive vapour investigations; and
- Variations in land use for different parts of the proposed development.

The following land use classes are applied:

• HSL D for Commercial

We consider this land use class most applicable. Pending finalisation of plans, some parts of the site that may be open space or residential apartments may be nearby to natural soil. For this reason, we have presented results against multiple land use classes, to account for several scenarios.

7 SOIL ECOLOGICAL IMPACT ASSESSMENT

7.1 Protected Environmental Values

The requirement for protecting soil from contaminated activities in Tasmania is managed under the Environmental Management and Pollution Control Act 1994 (EMPCA) which states in Part 5A:

- (2) An area of land is a contaminated site if -
 - (a) there is in, on or under that area of land a pollutant in a concentration that -
 - (i) is above the background concentration; and
 - (ii) is causing or is likely to be causing serious or material environmental harm or environmental nuisance, or is likely to cause serious or material environmental harm or environmental nuisance in the future if not appropriately managed;

Potential soil impact at the site is assessed through application of the following environmental investigation guidelines.

7.2 NEPM ASC (2013) Guidelines

The following ecological investigation guidelines are to be addressed in order to assess acceptable levels of risk to terrestrial ecosystems:

- NEPM ASC (2013) Ecological Investigation Levels (EIL's) have been developed for selected
 metal and organic substances. EIL's depend on specific soil and physicochemical properties and
 land use scenarios and generally apply to the top two (2) metres of the soil profile (NEPM ASC
 2013):
- NEPM ASC (2013) Ecological Screening Levels (ESL's) have been developed for selected
 petroleum hydrocarbon compounds and total petroleum hydrocarbon fractions. ESL's broadly
 apply to coarse- and fine-grained soils and various land use scenarios within the top two (2) metres
 of the soil profile (NEPM ASC 2013).

Soil analytical results are compared against ESL and EIL limits presented in Table 8.

Table 8 Summary of Soil Contaminates Considered as part of this investigation, based on NEPM (2013) ASC

Investigation Levels (IL)	Analytes Investigated								
	Hydrocarbons				Metals				
	BTEX	TRH (F1 to F4)	Benzo(a) pyrene (PAH)	Naphthalene (PAH)	Zn, Cu, Cr(III), Ni & As	Lead	DDT		
ESL's	Analysed	Analysed	Analysed						
EIL's				Analysed	Analysed	Analysed	Not Analysed		

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7.3 Guidelines

7.3.1 Ecological Screening Levels

The following compounds were compared against NEPM ASC (2013) Ecological Screening Levels (ESL's):

- BTEX;
- F1 to F4 TRH; and
- Benzo(a)pyrene (PAH)

Selection of ESL threshold investigation limits are set out in the NEPM ASC (2013) guidelines and require classification of the soil according to:

- · Land use sensitivity:
 - Areas of ecological significance
 - · Urban residential and public open space; and
 - Commercial and industrial.
- Dominant particle size passing through a 2 mm sieve into:
 - · Coarse sand sizes and greater; and
 - · Fine clay and silt sizes.

Adopted NEPM ASC (2013) soil and land use classifications are presented below.

7.3.2 Ecological Investigation Levels

The following compounds were compared against Environmental Investigation Levels:

- Lead:
- Nickel;
- Chromium;
- Zinc;
- Copper;
- Arsenic; and
- Naphthalene.

There was a requirement to classify the soil according to physicochemical properties to develop investigation limits for the above listed compounds. Adopted physicochemical parameters are presented in the results tables.

Selection of EIL threshold investigation limits are set out in the NEPM ASC (2013) guidelines and require classification of the soil per specific soil and physicochemical properties which are presented in the results tables. The adopted land use scenarios presented in Table 9.

Table 9 Adopted Land Use Scenario for the Soil Bores

Land Use Scenario	Applicable Soil Bores	
Areas of Ecological Significance		
Urban Residential & Public Open Space	All soil bores	
Commercial & Industrial	All soil bores	

Based on a preliminary assessment of site soil conditions, the following physicochemical properties are applied to assess guideline EIL's:

- Clay content consistent with field observations;
- · A soil pH and cation exchange capacity (CEC) consistent with Table 10.

Table 10 Cation Exchange and Clay content, Adopted for the Site

Soil Physicochemical Properties								
USCS	Clay %	CEC	рН					
R	100.00	10.00	4.5					
GW	0.00	10.00	4.5					
GP	0.00	10.00	4.5					
GM	10.00	15.00	4.5					
GC	30.00	20.00	4.5					
SW	0.00	10.00	4.5					
SP	0.00	10.00	4.5					
SM	10.00	15.00	4.5					
SC	20.00	20.00	4.5					
ML	30.00	20.00	4.5					
CL	100.00	35.00	4.5					
OL	50.00	35.00	4.5					
МН	30.00	35.00	4.5					
СН	100.00	45.00	4.5					
ОН	100.00	60.00	4.5					
PT	100.00	80.00	4.5					
Р	0.00	0.00	4.5					
CM	100.00	35.00	4.5					
CI	100.00	35.00	4.5					
Rock	0.00	10.00	4.5					

7.4 Findings

7.4.1 Ecological Screening Levels

Laboratory analytical results are presented in Appendix 8. Table 11 compares soil analytical results against relevant NEPM ASC (2013) ESL's. Concentrations which exceeded laboratory limit of reporting (LOR) are highlighted in bold, ESL exceedances are highlighted with a coloured cell, and samples within the proposed excavation zone would be marked with an X.

Benzo(a)pyrene was detected above ESL guideline limits for urban land use in four samples; 2-5x above ESL in BH1 0.5-0.6 & BH4 0.5-0.6, and 5-20x ESL in BH3 0.5-0.6 & BH5 0.5-0.6. Total Recoverable Hydrocarbons Fraction 3 was detected above ESL guideline limits for urban land use in four samples; 1-2x above ESL in BH1 0.5-0.6 & BH2 1.5-1.6, 2-5x above ESL in BH3 0.5-0.6, and 5-20 above ESL in BH2 0.5-0.6.

Table 11 Summary of Soil Analytical Results Compared with ESL's for urban/residential land use.

NEPM Ecological S	Screening Leve	ls for So	iI		ВТ	EX		PAH		TRH	1	
Bold - Indicates LC X - Indicates San			ated			ne		rene	(0	C16)	C34)	c40)
Colour Shading -> 1 x, * 2-5 x, ** 5				Benzene	Toluene	Ethylbenzene	Χγlenes	Benzo(a)pyrene	F1 (06 - C10)	F2 (>C10 -	F3 (>C16 -	F4 (>C34 - C40)
<u>Q</u>	Jate	: Class arse)	se	mg/kg	mg/kg	ay/aw	ay/am	mg/kg	By/Bw	mg/kg	mg/kg	mg/kg
Sample ID	Sample Date	Soil Texture Clar (fine /coarse)	Land Use	LOR 0.2	LOR 0.5	LOR 0.5	LOR 0.5	LOR 0.5	LOR 10	LOR 50	LOR 100	LOR 100
BH1 0.5-0.6 X	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	2*	<10	<50	370	<100
BH1 1.5-1.6 X	2/9/20	C	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100
BH2 0.5-0.6 X	2/9/20	C	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	1910**	1160
BH2 1.5-1.6 X	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	330	220
BH3 0.5-0.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	12.7**	<10	<50	750°	240
BH3 1.5-1.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100
BH4 0.5-0.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	3.3*	<10	<50	230	<100
BH4 1.5-1.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100
BH5 0.5-0.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	3.6**	<10	<50	260	<100
BH5 1.5-1.6	2/9/20	F	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100
BH6 0.5-0.6	2/9/20	С	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	120	<100
BH7 0.85-0.95	2/9/20	F	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100
BH7 1.5-1.6	2/9/20	F	URBAN	<0.2	<0.5	<0.5	<0.5	<0.5	<10	<50	<100	<100

7.4.2 Ecological Investigation Levels

Table 12 compares soil analytical results against relevant EIL's. Concentrations which exceeded laboratory LOR are reported in the table, EIL exceedances are highlighted with a coloured cell, and samples within the proposed excavation zone would be marked with an X. Metals were tested at BH2 due to that area containing fill of unknown origins. There were exceedances of EIL guidelines at commercial land use for Zinc in BH2 0.5-0.6.

Table 12 Soil Analytical Results Compared Against Ecological Investigation Levels at commercial land use

NEPM Ecological	Investigati	on Levels fo	r Soil										
Bold - Indicates L X - Indicates Sa			d Excav	ation									
Colour Shading >1 x, * 2-5 x, **													
Q	Date	EIL Land Use Sensitivity Class	CEC (cmolc/kg)		Soil Texture Class (fine /coarse)	Copper (CEC)	Copper (pH)	Nickel	Zinc	Chromium III	Lead	Arsenic	Naphthalene
Sample ID	Sample Date	EIL Land Use Sensitivity Cl	Soil CEC	Soil pH	Soil Texture C (fine /coarse)	%/y√gm	mg/kg	mg/kg	mg/kg	gy/gm	mg/kg	mg/kg	mg/kg
BH1 0.5-0.6 X	2/9/20	URBAN	20	4.5 (3)	С						718		<1
BH1 1.5-1.6 X	2/9/20	URBAN	20	4.5 (3)	С						11		<1
BH2 0.5-0.6 X	2/9/20	URBAN	20	4.5 (3)	С	47	47	11	260*	10	804	6	<1
BH2 1.5-1.6 X	2/9/20	URBAN	20	4.5 (3)	С	38	38	13	114	8	110	<5	<1
BH3 0.5-0.6	2/9/20	URBAN	20	4.5 (3)	С						227		<1
BH3 1.5-1.6	2/9/20	URBAN	20	4.5 (3)	С						6		<1
BH4 0.5-0.6	2/9/20	URBAN	20	4.5 (3)	С						89		<1
BH4 1.5-1.6	2/9/20	URBAN	20	4.5 (3)	С						12		<1
BH5 0.5-0.6	2/9/20	URBAN	20	4.5 (3)	С						97		<1
BH5 1.5-1.6	2/9/20	URBAN	35	4.5 (3)	F						11		<1
BH6 0.5-0.6	2/9/20	URBAN	20	4.5 (3)	С						16		<1
BH7 0.85-0.95	2/9/20	URBAN	35	4.5 (3)	F						<5		<1
BH7 1.5-1.6	2/9/20	URBAN	35	4.5 (3)	F						7		<1

pH Designation:
(1) Using 0.01M CaCl2 extract. Rayment, G.E. and Lyons, D.J. (2011). "Soil Chemical Methods – Australasia". 495+20 pp. CSIRO Publishing, Melbourne.

Melbourne.

(2) pHF (1:5). Adjusted by subtracting 0.75 with +/- 0.25 error to calibrate to the CaCl2 method (per comm. ALS Brisbane Acid Sulphate Soils Laboartory). Methods in accordance with Ahern, C.R., Stone Y., and Blunden B. (1998b). 'Acid Sulfate Soils Assessment Guidelines'. Acid Sulfate Soils Management Advisory Committee, Wollongbar, NSW, Australia.

(3) Classified in accordance with parent material typical soil pH as per the Tasmanian soils database

8 SOIL HUMAN HEALTH DIRECT CONTACT ASSESSMENT

8.1 Guidelines

Guidelines presented are based on potential exposure of human receptors to soil impact which may include:

- Trench workers repairing or building services (typically to 1 m BGS). This classification is not dependent on the land use class.
- Onsite workers which may be exposed to potential shallow soil impact in non-paved areas of the site; and
- Onsite excavation works which may include basement carparks and deep foundations.

8.1.1 Land Use Classification

The NEPM ASC (2013) guidelines have been referenced to ensure that the correct land use and density category has been adopted for the site and the surrounding properties (where applicable). As per NEPM ASC 2013 guidelines, the adopted land use class is dependent on the building density and the opportunity for soil access by site occupants (exposure to potentially impacted soil). Aspects needing to be considered include:

- Whether the site is of sensitive land use such as a childcare centre, preschool, primary school or aged care facility in which case land use Class A is applicable;
- The percentage of paved area to determine direct contact exposure risk and therefore classification as low or high density; and
- Classification based on residential, recreational or commercial/industrial setting.

8.1.2 Adopted Land Use Classification

The adopted land use class is presented in Table 13. Land use class is based on the opportunity for soil access as per NEPM ASC 2013 guidelines. Soil access is anticipated to include current and future residents on site, and future potential construction workers, and trenchworks on site.

Table 13 Summary of Land Use Setting and Density for Determining Exposure Risk

Soil Bores	Construction Phase	Location	Land Use	Pathway	Land Use Class
All soil	During	Site	Construction workers and trench workers	ALL	D and trench worker specific
		Offsite	Neighbouring residential land users	DI	A
	Post	Site	Future trench workers	ALL	D and trench worker specific
			Future commercial workers	ALL	D
			Possible future open space users if soil is left remaining on the site	ALL	В

DC - Dermal Contact - Trench Worker Guidelines (CRC CARE 2013)

8.1.3 Health Investigation & Screening Levels

The main exposure pathways and methods for assessing heath risk from contaminated soils are presented in Table 14.

Table 14 Summary of Exposure Pathways and Preliminary (Tier 1) Methods for Assessing Human Exposure Risk

Exposure Scenario	Contaminant Type	Tier 1 Assessment Method	Reference
Vapour Inhalation - Indoor (PVI)		HSL's	NEPM ASC (2013)
Vapour Inhalation - Trench (PVI)	Petroleum	(addressed in PVI sections)	CRC CARE
Dermal Contact	Hydrocarbons	HSL's	(Friebel & Nadebaum, 2011)
Dust Inhalation	Metals	Health Investigation Levels	NEPM ASC (2013)
Soil Ingestion	PAH's	(HIL's)	NEPM ASC (2013)

PVI - Petroleum Vapour Intrusion

DI - Dust Inhalation - HIL Guidelines (NEPM ASC 2013)

SI - Soil Ingestion - HIL Guidelines (NEPM ASC 2013)

ALL – All of above

8.2 Findings

8.2.1 Dermal Contact - Petroleum Hydrocarbons

Laboratory analytical results are presented in Appendix 8. Table 15 presents soil hydrocarbon analytical results compared against CRC CARE (Friebel & Nadebaum, 2011) HSL guidelines for assessing dermal contact risk. Concentrations which exceeded laboratory LOR are highlighted in bold, HSL exceedances would be highlighted with a coloured cell indicating the highest HSL land used class which is exceeded.

There were detections of TRH in seven samples, however there were no guideline exceedances for dermal contact and no dermal contact risk identified at any land use levels.

Table 15 Soil Analytical Results Compared Against CRC CARE (Friebel & Nadebaum, 2011) Guidelines for Dermal Contact

Dermai Conta			EP	080: BTE	KN			EP080/	071: TRH	
Dermal Cont	Health Screening Level act Hazard from Soil drocarbons'	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	C6 - C10 Fraction	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		0.2	0.5	0.5	0.5	1	10	50	100	100
HSL A Low De	ensity Residential	100	14000	4500	12000	1400	4400	3300	4500	6300
HSL B High D	ensity Residential	140	21000	5900	17000	2200	5600	4200	5800	8100
HSL C Recrea	tional	120	18000	5300	15000	1900	5100	3800	5300	7400
HSL D Comm	ercial/Industrial	430	99000	27000	81000	11000	26000	20000	27000	38000
Intrusive Ma	intenance Worker	1100	120000	85000	130000	29000	82000	62000	85000	120000
Date	Sample									
2/09/2020	BH1 0.5-0.6 X	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	370	<100
2/09/2020	BH1 1.5-1.6 X	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100
2/09/2020	BH2 0.5-0.6 X	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	1910	1160
2/09/2020	BH2 1.5-1.6 X	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	330	220
2/09/2020	BH3 0.5-0.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	750	240
2/09/2020	BH3 1.5-1.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100
2/09/2020	BH4 0.5-0.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	230	<100
2/09/2020	BH4 1.5-1.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100
2/09/2020	BH5 0.5-0.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	260	<100
2/09/2020	BH5 1.5-1.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100
2/09/2020	BH6 0.5-0.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	120	<100
2/09/2020	BH7 0.85-0.95	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100
2/09/2020	BH7 1.5-1.6	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	<100	<100

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8.2.2 Dust Inhalation & Soil Ingestion

Laboratory analytical results are presented in Appendix 8. Soil analytical results compared against combined dust inhalation and soil ingestion risk assessed through the application of NEPM ASC (2013) Health Investigation Levels (HILs) for exposure to soil contaminants are presented in Table 16. Concentrations which exceeded laboratory LOR are highlighted in bold (except for the metals), and HIL exceedances are highlighted with a coloured cell indicating the highest HIL land used class which is exceeded. There were no exceedances for dust inhalation and soil ingestion HIL guidelines at Commercial land class. Other land classes are presented as they may be relevant pending finalised designs of the development.

Lead exceeds Low Density Residential and Recreational land use classes at BH1 and BH2, however the material in these areas will be excavated and removed for the proposed car parking basement, hence this risk can be dismissed.

Benzo(a)pyrene exceeds Low Density Residential, High Density Residential and Recreational land use levels in BH3, BH4 & BH5, which represents the northern part of the site. The majority of the northern part of the site will feature commercial properties, and the majority of the open space will be overlying the basement and feature imported (clean fill) soil, so these exceedances may not be applicable. However they are presented pending the final development designs, in case soil from the northern part of the site will be in contact with either residential apartments or open space.

Table 16 Soil Analytical Results Compared Against NEPM ASC (2013) Health Investigation Levels Guidelines

Bold - Indicates LOR Exceedance in Non Mo Compounds	etalic	EA055: Moisture Content	EG005T	Total !	Metals	by ICP-A	ÆS										Total Recoverable Mercury by FIMS	EP07	5(SIM))B: Pol	ynucle	ar Aro	matic	Hydro	carbo	ns								
NEPM Health Investigation Levels (HIL's Dust Inhalation and Soil Ingestion Assessn X - Indicates Sample Within Proposed Excavati	nent	Moisture Content	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium Total	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Vanadium	Zinc	Mercury	Naphthalene	Acenaphthylene	Acenaphthene		thracene	nthene		Benz(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	indeno(1.2.3.cd)pyrene	Dibenz(a.h)anthracene	Benzo(g.h.i)perylene		Benzo(a)pyrene TEQ (WHO)
Units		*	/ B//3m	mg/kg B	mg/kg B	B gy/gw	mg/kg C	mg/kg C	al/am	mg/kg	mg/kg L	mg/kg h	mg/kg N	mg/kg S	mg/kg \	mg/kg Z	mg/kg h	mg/kg N	mg/kg /	mg/kg /	_	2 / M		_	mg/kg B	mg/kg C	mg/kg B		mg/kg B	mg/kg				mg/kg B
LOR		1	5	10	1	20	1	2	2	5	5	5	2	LO.	5	5	0.1		0.5	0.5	0.5 0	5 0.	5 0.5	0.5	0.5	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5
HIL A Low Density Residential	₩ HIL A		100		60	4500	20		100	6000	300	3800	400	200		7400	40															3	800	3
HIL B Medium/High Density Residential	✓ HIL B		500		90	40000	150		600	30000	1200	14000	1200	1400		60000	120															4	100	4
HIL C Recreational	₩ HIL C		300		90	20000	90		300	17000	600	19000	1200	700		30000	80															3	300	3
HIL D Commerial/Industrial	✓ HIL D		3000		500	300000	900		4000	240000	1500	60000	6000	10000		400000	730															40	000	40
HIDE ROW	D		3000		500	300000	900		4000	240000	1500	60000	6000	10000		400000	730															40	000	40
Sample date: Sample ID																					_	\perp	\perp	\perp							\rightarrow	\perp	\rightarrow	_
2/09/2020 BH1 0.5-0.6 X		18.8									718										<0.5 0													2.5
2/09/2020 BH1 1.5-1.6 X		12.2									11							_	\rightarrow	\rightarrow	-	$\overline{}$	-	_	-	-	-	-	\rightarrow	\rightarrow	-	<0.5 <	-	<0.5
2/09/2020 BH2 0.5-0.6 X		15.3	6	80	<1	<50	4	10	6	47	804	188	11	<5	27	260	<0.1	_	$\overline{}$	-	<0.5 <	$\overline{}$	_	_	-	_	_	-	-	$\overline{}$	-	-	_	¢0.5
2/09/2020 BH2 1.5-1.6 X		19.2	<5	80	<1	<50	<1	8	8	38	110	234	13	<5	26	114	0.2	_	$\overline{}$	\rightarrow	_	$\overline{}$	_	_	-	_	-	-	\rightarrow	\rightarrow	-	0.5 <	_	<0.5
2/09/2020 BH3 0.5-0.6		22.3									227							_	-	\rightarrow	0.5 7	$\overline{}$	_	-	_	-	-	-	\rightarrow	\rightarrow				18
2/09/2020 BH3 1.5-1.6		10.9									6																					<0.5 <		
2/09/2020 BH4 0.5-0.6		19.3									89							_	-	\rightarrow	_	$\overline{}$	_	-	-	-	-	-	\rightarrow	\rightarrow	_	2.2 2	_	4.7
2/09/2020 BH4 1.5-1.6		24.3									12							_	\rightarrow	\rightarrow	-	$\overline{}$	_	_	-	_	-	-	\rightarrow	\rightarrow	-	<0.5 <	_	
2/09/2020 BH5 0.5-0.6		21.1									97								_		<0.5 1	_	_	_	_		_		_		_			5.2
2/09/2020 BH5 1.5-1.6		21.1									11							_	\rightarrow	\rightarrow	-	$\overline{}$	$\overline{}$	-	-	-	-	-	\rightarrow	\rightarrow	-	<0.5 <	-	¢0.5
2/09/2020 BH6 0.5-0.6		14.7									16							_	$\overline{}$	$\overline{}$	-	-	-	-	_	-	-	_	\rightarrow	\rightarrow	-	40.5 <	_	_
2/09/2020 BH7 0.85-0.95		12.9									<5							_	-	-	_	-	_	_	-	-	-	-	\rightarrow	\rightarrow	-	40.5 <	-	_
2/09/2020 BH7 1.5-1.6		22.5									7							<0.5	<0.5	<0.5	<0.5	0.5	.5 <0.	5 <0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 <	0.5 <	0.5

9 INDOOR INHABITANT PVI ASSESSMENT - HSL's

This PVI assessment has been conducted in accordance with relevant CRC CARE Technical Documentation and NEPM 2013 guidelines presented in references section of this report. The HSL assessment approach is generally the first (Tier 1) investigation phase adopted for assessing PVI risk at petroleum hydrocarbon (PHC) impacted sites. HSL guidelines have been applied for samples collected from the site to account for risks that may be associated with volatile hydrocarbon vapour intrusion into confined spaces where there may be an inhalation risk through longer term exposure. This does not constitute a full vapour risk assessment but provides additional information from which to further quantify any risk.

A detailed investigation (Tier 2 to 3) is recommended over an HSL assessment where an acute risk has been identified at the site (CRC CARE 2013) because of:

- Migrating product on surface soils beneath buildings;
- · Strong PHC odours;
- · Flammable risk in confined spaces; and/or
- Health complaints from occupants.

Based on the site visits, none of the above conditions have been identified at the site. If the outcome of this Tier 1 assessment reveals HSL exceedances for hydrocarbon vapour intrusion, a more detailed (Tier 2) assessment will be required to further evaluate the human health risk.

PVI risk is initially interpreted through the development of HSL threshold limits from the following classifications:

- · The geology and or hydrogeology of the investigation point; and
- · Land use sensitivity:

The resulting HSL threshold limits are compared with laboratory analytical results.

9.1 Selected Media for Assessing PVI Risk

Table 17 presents a summary of the preferred HSL approach to assessing PVI risk. In this case Radiello Vapour Samplers were used to determine ambient vapour concentrations of selected chemicals. Concentrations of PHC in soil were calculated, and were below all investigation limits (data not presented).

Table 17 Preferred Methods for Determining Site PVI Risk

Media Analysed	Method	Limitations	Order of Preference
Soil Gas	Concentrations of a soil gas through a soil vapor sampler	This approach provides the most reliable data in interpreting PVI risk, although direct modelling should be applied if concentrations exceed HSL threshold limits.	Primary
Groundwater	Concentrations of PHC in groundwater through deployment of monitoring wells	More robust and reliable that soil in determining onsite and in particular, offsite risks. Determining PVI risk based on groundwater is inherently conservative when interpreting vapour risk to account for not readily discernible preferential pathways. Reference may be drawn to alternative assessment approaches: 1) Application of site-specific conditions to the CRC CARE model for assessing PVI risk 2) Soil gas interpretation for areas where a PVI risk is identified from groundwater analysis.	Secondary
Soil	Concentrations of PHC in soil	Concentrations in soil may be subject variability due to soil moisture, organic content and oxygen ingress all which create significant bias in threshold values. Reliance is place on utilizing groundwater analysis over soil. Soil results provide localised information.	Tertiary

9.2 Land Use Class

For surrounding properties, the potential PVI risk is characterized through application of CRC CARE HSL's for each individual property based on their existing land use (NEPM 2013; Friebel & Nadebaum 2010). The CRC CARE guidelines have been referenced to ensure that the correct land use and density category has been adopted for surrounding land use to ensure health risks are consistent with the HSL models. Aspects considered include the:

- · Sensitivity of the existing or potential land use;
- · Percentage of paved area for defining potential vapour migration risk;
- Type of basement garage which may influence the confinement of PHC vapors;
- · Presence of a slab or cavity for discerning vapour intrusion risk.

If hydrocarbon impacted soil is discerned at the site, consideration is given to downgradient receptors. Where applicable, land use class therefore considers:

- Downgradient receptors where onsite HSL exceedances have been identified in soil; and
- Variations in land use for different parts of the proposed development.

The following land use classes are applied:

- HSL D for Commercial
- HSL A for Residential

Results are presented against HSL A to account for the potential of some residential space being at ground level, and also as it is the most conservative level to compare results against.

9.3 Soil Assessment

Laboratory analytical results are presented in Appendix 8. Table 18 presents the results against a potential indoor vapour risk at HSL class A. Concentrations which exceeded laboratory LOR would be highlighted in bold. HSL exceedances would be highlighted with a coloured cell. There were no exceedances of HSL Class A or HSL Class D guideline limits, and no indoor vapour risk identified.

Table 18 Soil Analytical Results Compared Against HSL A for Indoor Vapour Risk

Soil Hydrocarbo Intrusion (NEP Soil Sample An	M 2013)	sessing Indoo	r Vapour			EP		EP080/071: TRF			
Bold - Indicates L	OR Exceedances	i			a		nzene	lenes	alene		
Colour Shading >1 x, * 2-5 x, **				Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	F1	F2	
Sample ID	Sample Date	Depth Class	Grain	HSL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample ID	Sample Date	Depth Class	Class	HSL	LOR 0.2	LOR 0.5	LOR 0.5	LOR 0.5	LOR 1	LOR 10	LOR 50
BH1 0.5-0.6	2/09/2020	0-1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH1 1.5-1.6	2/09/2020	1-2	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH2 0.5-0.6	2/09/2020	0-1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH2 1.5-1.6	2/09/2020	1 - 2	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH3 0.5-0.6	2/09/2020	0-1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH3 1.5-1.6	2/09/2020	1 - 2	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH4 0.5-0.6	2/09/2020	0 - 1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH4 1.5-1.6	2/09/2020	1 - 2	CLAY	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH5 0.5-0.6	2/09/2020	0 - 1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH5 1.5-1.6	2/09/2020	1-2	CLAY	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH6 0.5-0.6	2/09/2020	0 - 1	SAND	Α	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH7 0.85-0.95	2/09/2020	0-1	CLAY	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	
BH7 1.5-1.6	2/09/2020	1 - 2	CLAY	Α	<0.2 <0.5 <0.5 <0.5 <1					<10	<50

10 TRENCH WORKER PVI ASSESSMENT - HSL's

10.1 Classification

The following Health Screening Assessment is based on hydrocarbon vapour intrusion risk to subsurface excavation workers within excavations. This is assessed through analysis of vapours from soil and soil vapours. Groundwater is generally not used to assess risk as threshold limits for all depth and grain classes are non-limiting. Land use classes are not applicable when assessing vapour intrusion into trenches.

Soil and soil vapour HSL's for assessing hydrocarbon risk to maintenance workers are based on CRC CARE Technical Report 10 guidelines (Friebel & Nadebaum 2011) and the following variables:

- Dominant grain size class of material at the soil sample depth or based on the dominant grain class
 of the backfill material based on US Agriculture Soil Classification System (SCS) and partitioning
 into either sand, silt or clay; and
- Classifying soil according to depth ranges: 0 to 2 m; 2 to 4 m; 4 to 8 m; and greater than 8 m;

10.2 Findings

Laboratory analytical results are presented in Appendix 8. Summary of Soil Analytical Results Compared against HSL's for Assessing PVI Risk to Trench Workers are presented in Table 19. Concentrations that exceeded laboratory LOR would be highlighted in bold, and if there were any HSL exceedances they would be highlighted with a coloured cell. There were no exceedances of the CRC CARE HSL guidelines for Assessing PVI Risk to Trench Workers and no risk identified.

Table 19 Summary of Soil Analytical Results Compared against HSL's for Assessing PVI Risk to Trench Workers

workers										
CRC CARE Health Screen for PHC Inhalation Risk T Soil Sample Analysis	-		1		EP		EP080/071: TRH			
Bold - Indicates LOR Exc Dark Grey Shading - Indi >1 x, * 2-5 x, ** 5-20 x, *	icates HSL Exc		:	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	C6 - C10 Fraction	>C10 - C16 Fraction
Sample ID	Sample Date	Depth	Grain	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample 10	Sample Date	Class	Class	LOR 0.2	LOR 0.5	LOR 0.5	LOR 0.5	LOR 1	LOR 10	LOR 50
BH1 0.5-0.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH1 1.5-1.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH2 0.5-0.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH2 1.5-1.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH3 0.5-0.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH3 1.5-1.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH4 0.5-0.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH4 1.5-1.6	2/09/2020	0 to 2m	CLAY	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH5 0.5-0.6	2/09/2020	0 to 2m	SAND	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH5 1.5-1.6	2/09/2020	CLAY	<0.2	<0.5	<0.5	<0.5	<1	<10	<50	
BH6 0.5-0.6	6 2/09/2020 0 to 2m SAND					<0.5	<0.5	<1	<10	<50
BH7 0.85-0.95	2/09/2020	0 to 2m	CLAY	<0.2	<0.5	<0.5	<0.5	<1	<10	<50
BH7 1.5-1.6	CLAY	<0.2	<0.5	<0.5	<0.5	<1	<10	<50		

11 SOIL DISPOSAL ASSESSMENT

11.1 Guidelines

Soil which is excavated from the Site for landfill disposal is to be assessed against Information Bulletin 105 (IB105) for Classification and Management of Contaminated Soil for Disposal. The EPA uses four categories to classify contaminated soil as per Table 20:

- (Level 1) Fill Material;
- (Level 2) Low Level Contaminated Soil;
- (Level 3) Contaminated Soil; and
- (Level 4) Contaminated Soil for Remediation.

Fixed numerical values are presented for soil concentrations and leachable fraction concentrations.

Table 20 Summary of IB105 Classification Guidelines

	Classification (with reference to Table 2)	Controlled Waste ¹	Comments
Fill Material ² (Level 1)	Soil that exhibits levels of contaminants below the limits defined under <i>Fill Material</i> in Table 2.	Unlikely	Soil classified as Fill Material can still be a 'pollutant' under the Environmental Management and Pollution Control Act 1994 and needs to be responsibly managed.
Low Level Contaminated Soil (Level 2)	Soil that exhibits levels of contaminants above the limits defined under Fill Material but below the limits defined under Low Level Contaminated Soil in Table 2.	Likely	Where leachable concentrations have not been prescribed, maximum total concentrations will be used to classify the soil.
Contaminated Soil (Level 3)	Soil that exhibits levels of contaminants above the limits defined under Low Level Contaminated Soil but below the limits defined under Contaminated Soil in Table 2.	Yes	Where leachable concentrations have not been prescribed, maximum total concentrations will be used to classify the soil.
Contaminated Soil for Remediation (Level 4)	Soil that exhibits levels of contaminants above the limits defined under Contaminated Soil in Table 2 (regardless of the maximum total concentrations) is generally not considered acceptable for off-site disposal without prior treatment.	Yes	Soil that contains contaminants that do not have criteria for leachable concentrations (e.g. petroleum hydrocarbons), and the levels of contaminants exceed the maximum total concentrations listed in Contaminated Soil, are generally classified as Contaminated Soil for Remediation.

11.2 Findings

The soil samples have been compared against IB105 guidelines for potential future soil disposal, see Table 21. The following conclusions can be made:

- 3 of the 13 samples are considered IB105 Level 3 (Contaminated Soil), these being; sample BH3 0.5-0.6 for Benzo(a)pyrene and Sum of Polycyclic Aromatic Hydrocarbons, sample BH4 0.5-0.6 for Benzo(a)pyrene, and sample BH4 0.5-0.6 for Benzo(a)pyrene.
- 2 of the 13 samples are considered IB105 Level 2 (Low Level Contaminated Soil), these being BH1 0.5-0.6 and BH2 0.5-0.6, due to; Cadmium, Lead, Zinc and hydrocarbons.
- 8 of the 13 samples are considered IB105 Level 1 (Clean Fill)

The Level 2 and Level 3 material is identified in the upper horizon (0.5-0.6m BGS), and the samples from lower depths are all considered Level 1 material. The contamination levels across the site can be considered as.

- Natural soil at depth is free of contamination
- Fill material at the southern and south western parts of the site is considered Level 2 material due to heavy metals and hydrocarbons.
- Contaminated soil at IB105 Level 3 impacted from historical hydrocarbon use and storage is present in the surface horizons around the northern part of the site.

Table 21 Soil Analytical Results Compared Against IB105 Investigation Limits for soil Disposal

Table 21 Soil	ible 21 Soil Analytical Results Compared Against 18105 investigation Limits for soil Disposal																					
Classificatio of Conta	tion Bulletin 105 on and Management minated Soil For Disposal	Arsenic	Barium	Beryllium	Cadmium	Chromium Total	Copper	Cobalt	Lead	Manganese	Mercury	Nickel	Selenium	Zinc	Benzo(a)pyrene	C6 - C9 Fraction	C10 - C36 Fraction (sum)	Sum of polycyclic aromatic hydrocarbons	Benzene	Toluene	Ethylbenzene	Total Xylenes
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		5	10	1	1	2	5	2	5	5	0.1	2	5	5	0.5	10	50	0.5	0.2	0.5	0.5	0.5
Investigation	Level Selected																					
IB105 Level 1		<20	<300	<2	<3	<50	<100	<100	<300	<500	<1	<60	<10	<200	<0.08	<65	<1000	<20	<1	<1	<3	<14
IB105 Level 2		20	300	2	3	50	100	100	300	500	1	60	10	200	0.08	65	1000	20	1	1	3	14
IB105 Level 3		200	3000	40	40	500	2000	200	1200	5000	30	600	50	14000	2	650	5000	40	5	100	100	180
IB105 Level 4		750	30000	400	400	5000	7500	1000	3000	25000	110	3000	200	50000	20	1000	10000	200	50	1000	1080	1800
2/22/2222																-10						
2/09/2020	BH1 0.5-0.6 X								718						2	<10	430 <50	14	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH1 1.5-1.6 X						47		11	****				250	<0.5	<10		<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH2 0.5-0.6 X	6	80	<1	4	10	47	6	804	188	<0.1	11	<5	260	<0.5	<10	2450	0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH2 1.5-1.6 X	<5	80	<1	<1	8	38	8	110	234	0.2	13	<5	114	<0.5	<10	440	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH3 0.5-0.6								227						12.7	<10	900	115	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH3 1.5-1.6								6						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH4 0.5-0.6								89						3.3	<10	270	27.1	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH4 1.5-1.6								12						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH5 0.5-0.6								97						3.6	<10	300	29.1	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH5 1.5-1.6								11						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH6 0.5-0.6								16						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH7 0.85-0.95								<5						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5
2/09/2020	BH7 1.5-1.6								7						<0.5	<10	<50	<0.5	<0.2	<0.5	<0.5	<0.5

12 CONCEPTUAL SITE MODEL

12.1 Potential Contaminants

The site is considered a potentially contaminated site due to the presence of UPSS.

Potential sources of contamination on site include; the use of the site as a service station, unknown decommissioning of UPSS infrastructure, and fill of undetermined origins present at the site in the south western corner.

Figure 10 illustrates potential risks that may be associated with potential site contamination. Potential pathways have been identified and ruled out in the Conceptual Site Model. The risks are considered to be potential risks rather than present risks as there were no exceedances of commercial land use investigation limits and the present land use is for commercial operations.

12.2 Potential Human Receptors

Potential human receptors considered during this investigation include; current and future commercial users of the site, any potential onsite constructions workers during any future potential site redevelopment and future trench workers (commercial land users / trench worker specific), the migration of dust off the site to nearby residential properties, and the possibility of open space or apartments being in contact with soil on the site (pending finalised designs).

12.3 Potential Ecological Receptors

The closest ecological receptor is the Maypole Rivulet, which is 500 m downgradient of the site.

12.4 Identified Receptors

12.4.1 Identified Human Receptors

No CRC CARE (2011) Health Screening Levels were found to be exceeded. NEPM ASC (2013) human Health Investigation Limits for dust ingestion and inhalation were not exceeded at commercial land use (HIL D), however Benzo(a)pyrene at bore holes 3, 4 & 5, and Lead at bore holes 1 & 2 exceed residential and recreational guidelines. This could affect future land users, pending the finalised designs of the proposed developments.

12.4.2 Identified Ecological Receptors

Exceedances of NEPM ASC (2013) Ecological Screening Levels were identified for Benzo(a)pyrene and Total Recoverable Hydrocarbons Fraction 3 (TRH F.3). Exceedances of NEPM ASC (2013) Ecological Investigation Levels were identified for Zinc. These identified contaminants could have an impact on ecological receptors if soil from the site is transported to ecological receptors.

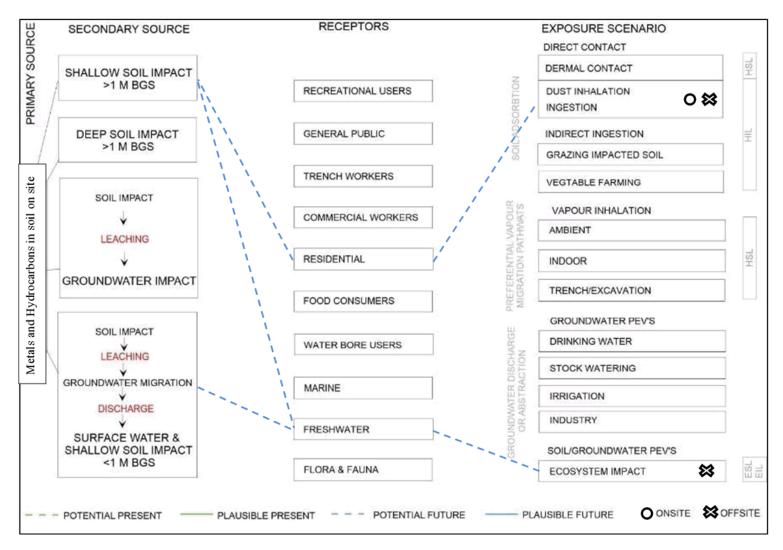


Figure 10 Conceptual Site Mode

13 CONCLUSIONS & RECOMMENDIATIONS

13.1 Desktop Assessment

The following information was gathered during the desktop investigation:

- The Site is zoned Urban Mixed Use under the Hobart Interim Planning Scheme of 2015. The site slopes at around 7% to the North West, Maypole Rivulet is the nearest ecological receptor 500 m downgradient of the Site.
- The geology of the investigation area is Triassic aged sedimentary rocks (Rv), with our bore holes finding weathered sandstone at variable depths.
- Historical Aerial photographs confirmed that an original building was present on the site since prior
 to 1946, with this building removed and the service station building erected prior to 1969. UPSS
 tanks were installed in 1962. The building was renovated between 1980 and 1989, which is likely
 to coincide with the service station being decommissioned around 1980 and Video Ezy operating
 on the site. More recently the site contains a coffee shop and laundry mat operations.
- The site is considered a potentially contaminated site due to past land use and the presence of UPSS.
 WorkSafe Tasmania Dangerous Goods Records indicate that petroleum fuels have been stored on site 1962-1980.
- Potential sources of contamination include the operations of a service station and workshop on the site, the presence of UPSS, and fill of undetermined origins on site.
- Contaminants Of Potential Concern (COPC) include the following: TPH/TRH; Mono Aromatic hydrocarbons: (BTEXN); PAH; and heavy metals.

13.2 Adopted Guideline Settings

The following investigation limits were adopted for the Site:

- · Ecosystem receptor
 - Maypole Rivulet, freshwater ecosystem, Urban land use ESL and EILs
- Human Receptor
 - HSL D/ HSL D for soil direct contact risk to current and future site users (commercial) / Construction workers that may have access to the soil during developments
 - HIL D / HIL D for soil ingestion and dust inhalation risk to current and future site users (commercial) / Future construction workers soil direct contact risk
 - Note HIL land use classes A, B & C, are also compared in case open space or residential apartments at ground floor level are in contact with soil on the site.
 - HSL A/ HSL D indoor vapour risk to site users (residential) / Future potential trench workers

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Environmental Site Assessment: 156 New Town Road, New Town

13.3 Soil Assessment

From the soil assessment, it is concluded that:

- Environment: Benzo(a)pyrene and Total Recoverable Hydrocarbons Fraction 3 exceeded NEPM
 ASC 2013 ESL guideline limits. Zinc exceeded NEPM ASC 2013 EIL guideline limits. A
 Stormwater Management Plan (SWMP) will be required to account for the management and
 erosion of soil with ecological impacts, to prevent soil effecting nearby ecological receptors,
 including Maypole Rivulet.
- Human Health: There were no human health guideline exceedances for dermal contact or vapour intrusion. There were no exceedances of NEPM ASC 2013 HIL guideline limits for dust inhalation and ingestion at commercial land use investigation limits, however there were exceedances for Benzo(a)pyrene and Lead at residential and recreational land use investigation limits. If the finalised designs indicate that the site is considered commercial operations at ground level, then there are no exceedances to guidelines and no risk to human health identified. However if areas of open space are placed on the soil found on site, or if apartments are placed at ground level, then a Contamination Management Plan (CMP) will be required to mitigate the risk to human health to residents post construction.
- Excavated Soil Management: In terms of IB105 of the thirteen primary soil samples; Three samples are considered Level 3 Material (contaminated soil) due to Benzo(a)pyrene (in samples BH3 0.5-0.6, BH4 0.5-0.6 & BH5 0.5-0.6), and Sum of Polycyclic Aromatic Hydrocarbons (in sample BH3 0.5-0.6). Two samples are considered Level 2 Material (low level contaminated soil) due to Cadmium, Lead, Zinc and hydrocarbons. The remaining eight samples are considered Level 1 Material (clean fill). All of the samples taken at lower depths (0.85-0.90m and 1.5-1.6m) were considered Level 1 Material, suggesting that contamination is restricted to the upper horizons.

13.4 Conclusion Summary

GES recommends the following:

- There were no human health guideline exceedances for dermal contact, soil vapour intrusion or trench worker vapour risk. There were no HIL guideline exceedances for dust inhalation and ingestion at commercial land use class, but there were exceedances at residential and recreational land use for Benzo(a)pyrene and Lead. If developments include open space or residential apartments at ground level, the site will require a Contamination Management Plan (CMP) relating to human receptors prior to soil disturbance during construction, and including mitigation measures post construction. If the entirety of the site is considered commercial land use at ground floor level (this may include the apartments being above the basement car park, and the soil at the open space area being excavated and replaced with clean fill), then the CMP will not be required.
- There is potential for ecological impact from hydrocarbons and heavy metals entering the waterway
 or impacting other ecological receptors during excavation, and a Stormwater Management Plan
 (SWMP) is required, to control erosion of excavated soil that may have an ecological impact.
- For soil disposal, the soil on site is a mixture of Level 1 (clean fill), Level 2 (low level contaminated soil) and Level 3 (contaminated soil) according to IB105. Any disposal of soil off-site must be in accordance with IB105 and the controlled waste regulations. We recommend excavated material be stockpiled on-site where additional testing can better delineate the areas of contamination prior to soil disposal, noting that most of the contamination appears to be concentrated in the upper soil horizons. We also recommend leachate testing of excavated soil given Benzo(a)pyrene may be present in a less mobile state, hence retesting excavated soil could lead to lower IB105 contamination levels, reducing the costs of soil remediation and disposal to the client.
- It is likely that inactive Underground Petroleum Storage Systems (UPSS) infrastructure is present
 on the site, and will require decommissioning and removal. Soil testing around the area of the UPSS
 found mostly low levels of hydrocarbons, not exceeding human health guidelines at commercial
 land use investigation limits.

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ATTACHMENT B

Environmental Site Assessment: 156 New Town Road, New Town

Given the past land use and presence of UPSS, localised areas of soil contamination may be present on the site not identified during this investigation. If during excavation, areas of hydrocarbon odour or staining are uncovered, we suggest that the developer contact GES or a suitably qualified environmental consultant immediately for assessment.

Yours faithfully,

Mark Downie B.Agr.Sci

Soil Scientist

Environmental Site Assessment: 156 New Town Road. New Town

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Friebel, E & Nadebaum, 2011b, 'Health screening levels for petroleum hydrocarbons in soil and groundwater. Part 2: Application document', CRC for Contamination Assessment and Remediation of the Environment, CRC CARE Technical Report no. 10, Adelaide.

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Rayment, G. E. & Lyons, D. J. 2011. Soil Chemical Methods Australasia. CSIRO Publishing.

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ATTACHMENT B

Environmental Site Assessment: 156 New Town Road, New Town

LIMITATIONS STATEMENT

This Environmental Site Assessment Report has been prepared in accordance with the scope of services between Geo-Environmental Solutions Pty. Ltd. (GES) and Renewal Developments Pty Ltd ('the Client'). To the best of GES's knowledge, the information presented herein represents the Client's requirements at the time of printing of the Report. However, the passage of time, manifestation of latent conditions or impacts of future events may result in findings differing from that described in this Report. In preparing this Report, GES has relied upon data, surveys, analyses, designs, plans and other information provided by the Client and other individuals and organisations referenced herein. Except as otherwise stated in this Report, GES has not verified the accuracy or completeness of such data, surveys, analyses, designs, plans and other information.

The scope of this study does not allow for the review of every possible soil and groundwater contaminant over the whole area of the site. Samples collected from the investigation area are assumed to be representative of the areas from where they were collected and indicative of the contamination status of the site at that point in time. The conclusions described within this report are based on these samples, the results of their analysis and an assessment of their contamination status.

This report does not purport to provide legal advice. Readers of the report should engage professional legal practitioners for this purpose as required.

No responsibility is accepted for use of any part of this report in any other context or for any other purpose by third party.

Page 199 ATTACHMENT B

Environmental Site Assessment: 156 New Town Road, New Town

Appendix 1 GES Staff

Geo-Environmental Solutions (GES) is a specialist geotechnical and environmental consultancy providing advice on all aspects of soils, geology, hydrology, and soil and groundwater contamination across a diverse range of industries.

Geo Environmental Solutions Pty Ltd:

- ACN 115 004 834
- ABN 24 115 004 834

GES STAFF - ENGAGED IN SITE INVESTIGATION WORKS

Dr John Paul Cumming B.Agr.Sc (Hons) Phd CPSS GAICD

- · Principle Author and Principle Environmental Consultant
- PhD in Environmental Soil Chemistry from the University of Tasmania in 2007
- 18 years' experience in environmental contamination assessment and site remediation.

Mr Mark Downie B.Agr.Sc

- Soil Scientist 15 years' professional work experience
- 8 years' experience in contamination assessment and reporting of soils and groundwater.

Mr Aaron Plummer (Cert. IV)

- Soil Technician
- 6 years' experience in hydrocarbon and heavy metal contamination sampling of soils and groundwater.

Mr Grant McDonald (Adv. cert. hort.)

- · Soil Technician
- 10 years' experience in hydrocarbon and heavy metal contamination sampling of soils and groundwater.

GES STAFF - CONTAMINATED SITES EXPERIENCE

Ms Sarah Joyce BSc (Hons)

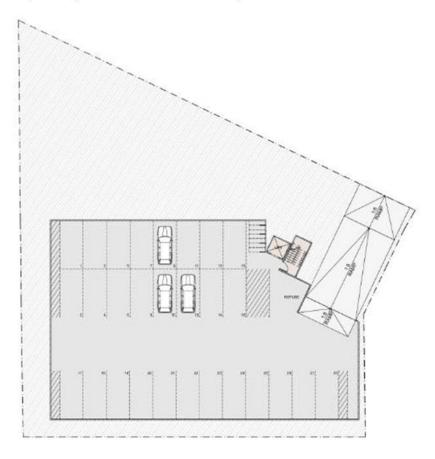
- · Senior Environmental Scientist
- Honours in Geography and Environmental Science at the University of Tasmania in 2003;
- Undergraduate Degree Double Major in Geology and Geography & Environmental Science
- 15 years professional work experience and 7 years contaminated site assessment
- Attendance to recent relevant workshops by ALGA Risk Assessment 101 (May 2018); Vapour Intrusion Workshop (Part A) – Petroleum Hydrocarbons (July 2017)

Dr Sam Rees B.Agr.Sc (Phd)

- · Soil & Environmental Scientist
- 6 years' experience in hydrocarbon and heavy metal contamination assessment and reporting of soils and groundwater.

Appendix 1 GES Staff Page 41

Appendix 2 Plans for proposed development (source LXN Architecture)





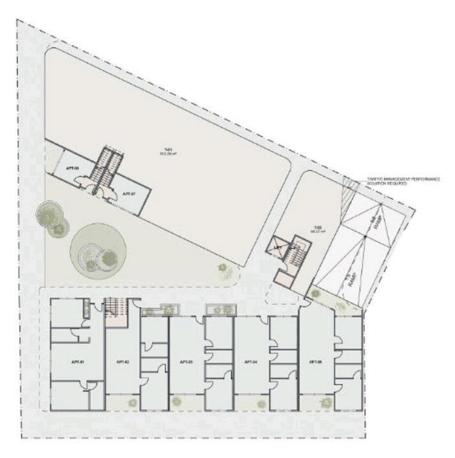






SCHEMTIC - BASEMENT

SD-04 C

















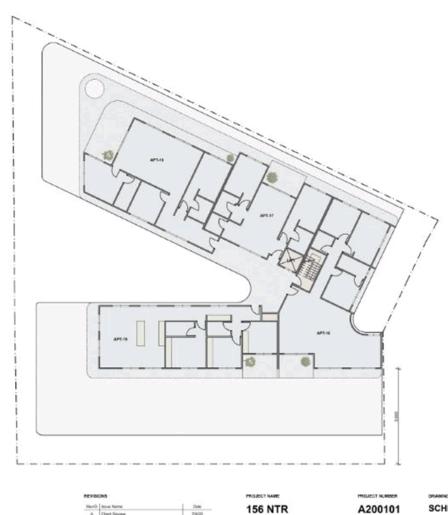
A200101

SCHEMATIC - LEVEL 1

SD-06 C

Appendix 2 Plans for proposed development

Page 44









Appendix 2 Plans for proposed development

Page **45**

APARTMENT SCHEME REV C		
Subject Site	1372 (sqm)	
Building Area (GFA)	3530 (sqm)	(excludes podium)

Building Area by Floor					
	Carpark (sqm)	Circulation (sqm)	Apartments (incl balconies)	Commercial Tenancy (sqm)	Total GFA (sqm)
Basement	720	0			720
Ground Floor	-	40	539	340	919
Ground Floor Podium		225	0	0	225
Level 1" incl GF study		120	1030	0	1150
Level 2	-	60	456	0	516

^{*} Circulation includes lift, stair and common zones

Unit Number	TYPE	APT GFA	Pos	COMMERCIAL TENANCY	Total GFA (sqm)
TEN-01	COMM			312	312
TEN-02	COMM	-	-	28	28
TEN-03	COMM	-			0
TEN-04	COMM				0
APT-01	2 BED	75	70		145
APT-02	2 BED	67	28	-	95
APT-03	2 BED	70	28		98
APT-04	2 BED	70	28		98
APT-05	2 BED	75	28		103
APT-06	4 BED	127	13		140
APT-07	4 BED	110	13		123
APT-08	2 BED	77	13		90
APT-09	2 BED	67	10	-	77
APT-10	2 BED	66	13		79
APT-11	2 BED	83	9		92
APT-12	2 BED	71	10		81
APT-13	2 BED	85	9		94
APT-14	2 BED	68	7		75
APT-15	2 BED	69	7	-	76
APT-16	3 BED	120	30		150
APT-17	2 BED	83	12		95
APT-18	3 BED	120	15		135
APT-19	3 BED	115	15		130

P.O.S - Private open space



Α.	Checkholew	22720
	ClarcRoview	78/00
C	Clarkway	26/9.00

156 NTR

6/56
NN Now York Road
CUENT
Polant Full Name

A200101

101 AREA SCHEDULES
SD-09

SD-09

C DATE MAGE

Appendix 3 Site Photographs





Appendix 3 Site Photographs



Appendix 3 Site Photographs

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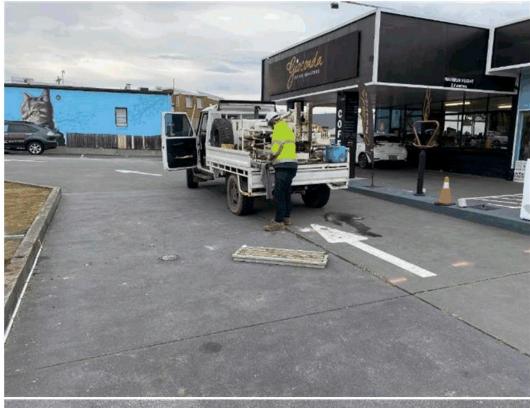


Appendix 3 Site Photographs

Page **49**



Appendix 3 Site Photographs





Appendix 3 Site Photographs

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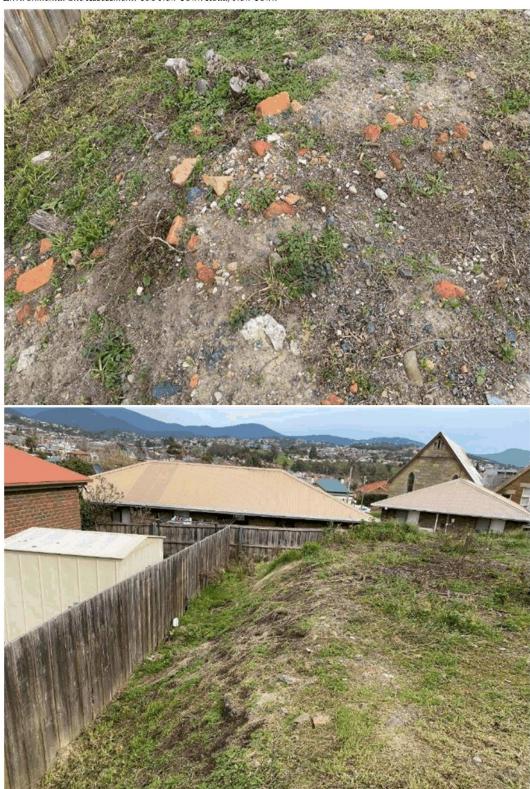


Appendix 3 Site Photographs





Appendix 3 Site Photographs



Appendix 3 Site Photographs



Appendix 4 Historical Aerial Photographs and Images

1946 – Source DPIPWE



1957 – Source DPIPWE



Appendix 4 Historical Aerial Photographs

Page **56**

1969 - Source DPIPWE



1977 – Source DPIPWE



Appendix 4 Historical Aerial Photographs

Page 57

1980- Source DPIPWE



1989 - Source DPIPWE



Appendix 4 Historical Aerial Photographs

Page 58

October 2003 - Source Google Earth



March 2008 - Source Google Earth



Appendix 4 Historical Aerial Photographs

January 2016 - Source Google Earth



April 2019 - Source Google Earth



Appendix 4 Historical Aerial Photographs

Appendix 5 WorkSafe Tasmania Dangerous Goods Search

Search Results (Environmentally Relevant Activity)

Site ID: 215

Address: 156 New Town Rd New Town 7008 File Number: B420

Held By: Workplace Standards Tasmania File From: 1962 To: 1980 Location Status: Confirmed

PID: 5516671 Comments: Activity:

Underground Storage Tank/s

Wednesday, 8 January 2020

Page 1 of 1

Search Results (Names Associated With Site)

Site ID: 215

Address: 156 New Town Rd New Town 7008

File Number: B420

Held By: Workplace Standards Tasmania File From: 1962 To: 1980 Location Status: Confirmed

PID: 5516671
Comments:

Names Associated With Site:

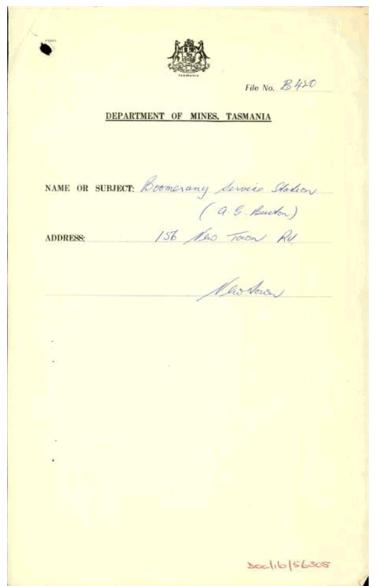
Boomerang Service Station

Shell

Albert William Walters

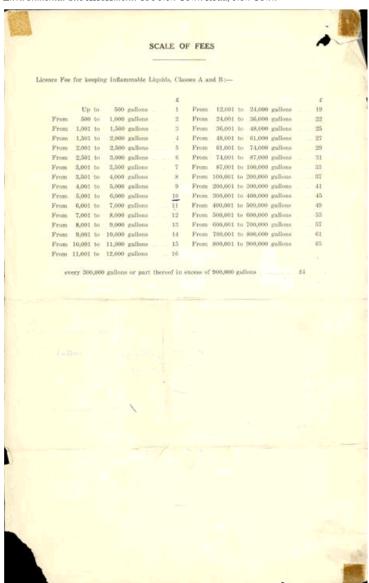
Wednesday, 8 January 2020

Page 1 of 1



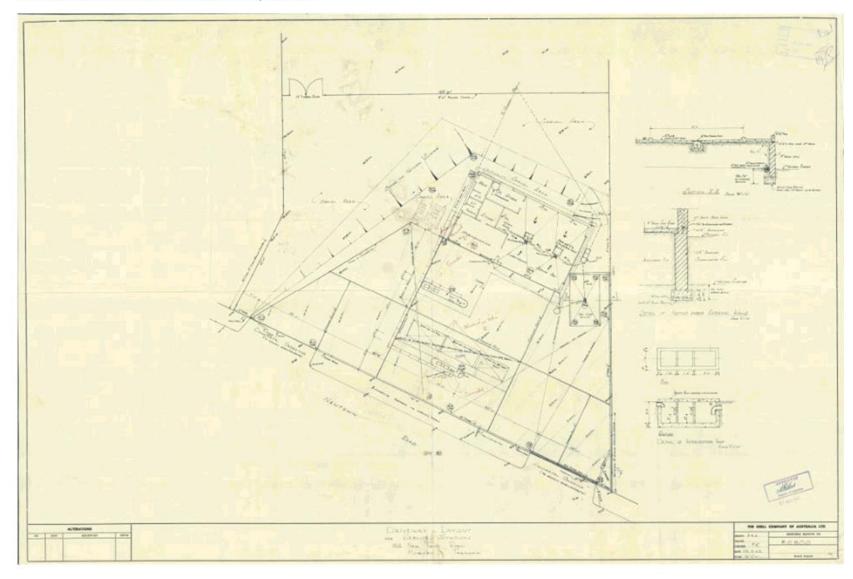
Environmental Site Assessment: 156 New Town Road, New Town THE DANGEROUS GOODS ACT 1976 INSTALLATIONS PENDING DETAILS OF BULK STORAGE Shell Package Storages: kilolitres CLASS B kilolitres kg/tonnes LICENSED QUANTITIES LICENCES ISSUED Licence Number Class A Year Class B LPG Date Amended Date Year 25.00 2.28 7.571 79/80 6240 156 NOW TOWN ROTHS, 8420 Beomermy SIST. THE DANGEROUS GOODS ACT 1976 INSTALLATIONS PENDING DETAILS OF BULK STORAGE Details Remarks Type Tanks Package Storages: kilolitres CLASS B..... kilolitres kg/tonnes LICENSED QUANTITIES LICENCES ISSUED Year Class B

	TOTAL TER LICENS NOW A
	B sy H E h A E E CC S M
FORM 6	
	****** - 7 DEC 1982
Inflammable Liquida Act 1929	BOPS OF MONES
1,100	117.30
APPLICATION FOR LICENCE IN RESPECT O MANUFACTURE OF OR KEEPING IN LIQUIDS OR DANGEROUS COMMO	FLAMMABLE
1. Applicant's Pull Name ALBERT WILLIAM	1125228
The state of the s	
2 Applicant's Occupation Sorreig Lotter p	
2. Applicant's Postal Address // Hall	St. Glendy
4. Situation of Premises to be Licensed 156 Nau	St. Glendy
5. Name of Municipality and Town or Township within which, or	
Premises is situated NFN	7000
6. Name and quantity to be manufactured under this Applicati	ion:
Inflammable Liquid Class A 6,500 (Petrol, &c.)	
Inflammable Liquid Class B 500 (Kerosene, &c.)	
Dangerous Commodity	
7. Number of Tanks and Package Storage Areas under this Appl	lication 1 3000, 143000 9 223
8. Name and Total Quantity to be kept:-	
Inflammable Liquid Class A 6500 (566 (Petrol, &c.)	o N/S 500 Presty).
Inflammable Liquid Class II 500 Keeper (Kerosene, &c)	
Dangerous Commodity	
9. Total Number of Tanks and Peckage Storage Areas-installer	1 2000 (mod in use)
2,3000 9 21500.	
I declare that the above statements and answers are true to belief.	the best of my knowledge and
- /	80 00
(Signed)	Walis
Dated this Dextin day of Dee	emc . 1962
¥11-0-0	orwarded to- 1257 X
	205800
Director of Mines, Hobart)	
Differen of Mines, Hobart) (Saile of four in shown on veryon bevol)	lu to



Department of Mines
Tasmania
Dots 30 / 11 /19 62.
MEMORNANDUM
For the Director of Mines, Hobert. Molars.
Record of Inspection of Installation
Premises of: Shell ail bo. (Wiggins) 156 claw Hown Rol, Hebard.
Known as:
Oil Company: Shell
Date of Approval: 3/chig 62 .
Date of inspection: 28/1/62
Finding: Suitable) for licensing
Pump Outfit Parkage Storage Area:
Veriation from Approval:
1 x 2000 gallon kink not in use.
Application Form: Left with occupier/Forwarded herewith.
Amount of Fee advised: Yes/No
All Sal
SERVICES OF EXPLOSIVE

(Regulation 78)
FORM 5
TASMANIA
Inflammable Liquids Act 1929 Nº 707
Granted to The Shell Co of Aust. Ltd.,
Evans Street,
HOBART.
Approval of Site and Construction of Premises for Keeping Inflammable Liquids
or Dangerous Commodities or the Alteration thereof.
。 第10年至12日中国中国共和国的中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中
Approval for the * site and construction/* alteration of the site and construction as shown on he approved plans and specifications of a * package storage area/* tank for the undermentioned inflammable liquids and dangerous commodities, subject to the provisions of the Inflammable Liquids Act 1929, and regulations being observed and subject to the undermentioned special con-
ions, situate at 156 New Town Road, Hobert.
This approval is valid only for one year from the date of issue.
Date of issue 31st August, 19 62
Chief Inspector of Explosives.
all first.
Inspector of Explosives.
Inflammable liquid: Class A 8,500 Gallons.
Class B 500 Gallons.
Dangerous commodities:
SPECIAL CONDITIONS.
2 x 3,000, 1 x 2,000 and 2 x 500 gallon U/G tanks
connected to four S/E and 2 S/M pump.
* Strike out if inapplicable.



Appendix 6 Chain of Custody (COC) and Sample Receipt Notification (SRN)



SAMPLE RECEIPT NOTIFICATION (SRN) EM2015530 Work Order GEO-ENVIRONMENTAL SOLUTIONS DR JOHN PAUL CUMMING : Environmental Division Melbourne : Shirley LeCornu Contact 29 KIRKSWAY PLACE BATTERY POINT TASMANIA, 4 Westall Rd Springvale VIC Australia AUSTRALIA 7004 icumming@geosolutions.net.au shirley.lecomu@Alsglobal.com +61 03 6223 1839 +61 03 6223 4539 Telephone Facsimile +6138549 9630 +61-3-8549 9626 Telephone Facsimile Project New Town 1 of 3 : EB2017GEOENVSOL0001 (EN/222) C-O-C number QC Level : NEPM 2013 B3 & ALS QC Standard Sampler JPC Dates Date Samples Received 09-Sep-2020 13:30 16-Sep-2020 Issue Date Scheduled Reporting Date : 09-Sep-2020 Client Requested Due 16-Sep-2020 Delivery Details No. of coolers/boxes 5.3°C - Ice Bricks present Receipt Detail No. of samples received / analy

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Complia
 - Summary of Sample(s) and Requested Analysis
 - Proactive Holding Time Report
 - Requested Deliverables
- Please direct any queries related to sample condition / numbering / breakages to Client Services.
- Sample Disposal Aqueous (3 weeks), Solid (2 months) from receipt of samples.

 Analytical work for this work order will be conducted at ALS Springvale.
- Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.
- Please be aware that APHANEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfoczen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroNatil 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

RIGHT SOLUTIONS | RIGHT PARTNER

Agenda (Open Portion) **Special City Planning Committee Meeting - 14/6/2022**

Environmental Site Assessment: 156 New Town Road, New Town

Issue Date : 09-Sep-2020

Page Work Order Client 2 of 3 EM2015530 Amendment 0

GEO-ENVIRONMENTAL SOLUTIONS



Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

No sample container / preservation non-compliance exists.

Summary of Sample(s) and Requested Analysis Some items described below may be part of a laboratory

tasks. Packages as the determin tasks, that are incl If no sampling default 00:00 on is provided, the	may contain ac ation of moisture uded in the package. time is provided, the date of sampling	the sampling time will ag. If no sampling date ill be assumed by the ackets without a time	IL - EADSS-103 sture Content	SOIL - S-03 5 Metals (NEPM 2013 Suite - Incl. Digestion)	KOIL - S-21 RHØSTEXNIPAH + Pb
ID	date / time	I AND THE RESERVE OF THE PARTY	8 8	SOIL 15 M	SE
EM2015530-001	02-Sep-2020 00:00	BH1 0.5-0.6	1		1
EM2015530-002	02-Sep-2020 00:00	BH1 1.5-1.6	1		1
EM2015530-003	02-Sep-2020 00:00	BH2 0.5-0.6	1	1	1
EM2015530-004	02-Sep-2020 00:00	BH2 1.5-1.6	1	1	1
EM2015530-005	02-Sep-2020 00:00	BH3 0.5-0.6	1		1
EM2015530-006	02-Sep-2020 00:00	BH3 1,5-1.6	1	. !	1
EM2015530-007	02-Sep-2020 00:00	BH4 0.5-0.6	1	-	1
EM2015530-008	02-Sep-2020 00:00	BH4 1.5-1.6	1	. 1	1
EM2015530-009	02-Sep-2020 00:00	BH5 0.5-0.6	1		1
EM2015530-010	02-Sep-2020 00:00	BH5 1.5-1.6	1		1
EM2015530-011	02-Sep-2020 00:00	BH6 0.5-0.6	1	-	1
EM2015530-012	02-Sep-2020 00:00	BH7 0.85-0.95	1	1	1
EM2015530-013	02-Sep-2020 00:00	BH7 1.5-1.6	1		1
EM2015530-014	02-Sep-2020 00:00	Duplicate	1		1
Responses and a second property of the second party of the second					

Matrix: WATER Client sampling Client sample (D EM2015530-015 02-Sep-2020 00:00 Rinsate

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

Environmental Site Assessment: 156 New Town Road, New Town

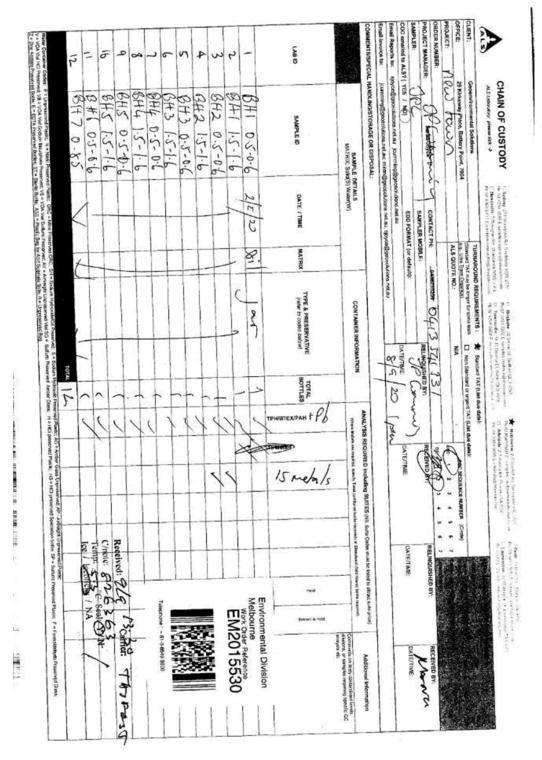
: 09-Sep-2020

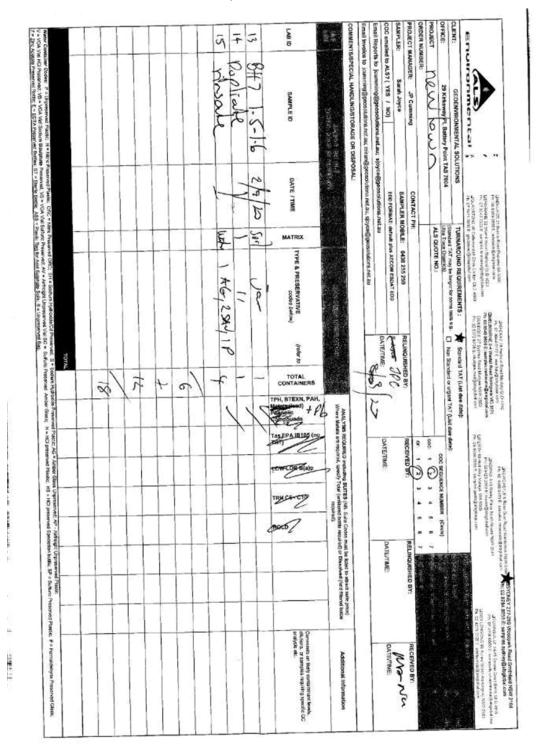
Issue Date Page Work Order Client

3 of 3 EM2015530 Amendment 0 GEO-ENVIRONMENTAL SOLUTIONS



Requested Deliverables		
JOHN PAUL CUMMING		
- *AU Certificate of Analysis - NATA (COA)	Email	jcumming@geosolutions.net.au
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	jcumming@geosolutions.net.au
- 'AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	jcumming@geosolutions.net.au
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	jcumming@geosolutions.net.au
- A4 - AU Tax Invoice (INV)	Email	jcumming@geosolutions.net.au
- Chain of Custody (CoC) (COC)	Email	jcumming@geosolutions.net.au
- EDI Format - ENMRG (ENMRG)	Email	jcumming@geosolutions.net.au
- EDI Format - ESDAT (ESDAT)	Email	jcumming@geosolutions.net.au
- EDI Format - XTab (XTAB)	Email	jcumming@geosolutions.net.au
M IRAN		
- A4 - AU Tax Invoice (INV)	Email	miran@geosolutions.net.au
SARAH JOYCE		
- "AU Certificate of Analysis - NATA (COA)	Email	sjoyce@geosolutions.net.au
- "AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	sjoyce@geosolutions.net.au
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	sjoyce@geosolutions.net.au
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	sjoyce@geosolutions.net.au
- A4 - AU Tax Invoice (INV)	Email	sjoyce@geosolutions.net.au
- Chain of Custody (CoC) (COC)	Email	sjoyce@geosolutions.net.au
- EDI Format - ENMRG (ENMRG)	Email	sjoyce@geosolutions.net.au
- EDI Format - ESDAT (ESDAT)	Email	sjoyce@geosolutions.net.au
- EDI Format - XTab (XTAB)	Email	sjoyce@geosolutions.net.au





Appendix 7 Quality Assurance and Quality Control

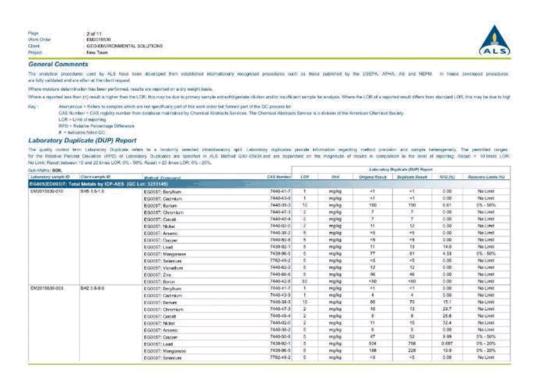
Duplicate Comparrison	Sample	Lead	Naphthalone	Acenaphthese	Acenaghthese	Fluorene	Panadhese	Attraces	Facerthen	Pyrace	Berejajawarnoone	Owyene	Berealtiffhorarthene	Bereal (Officerathere	Bess al aj pyreme	Indeno(1,2,3 ofpyrore	Oben(a) lethnone	Benealg. h. (penylene	Sun of polytycic aromatic hydr	Bessilajpyone TEQ (WHO)	Benebe		mate & pare Vides	ombe Adene	Sum of BTDX	Total Aplenes	Haptehalone	06 - C9 Fraction	CID - CIA Fraction	CIS - Cill Fraction	CB - CB Fracion	CLB - C36 Fraction (sum)	Gi - CIB Fraction	н	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction	>CLD - C40 Fraction (sum)	rz	Berzolnipyrone TEQ (holf LOR)	Bereal approve TEQ (LDR)
Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg o	ng/kg	mg/kg s	10/12	mg/kg r	mg/kg	mg/kg	ng/kg	mg/kg/mg	/kg/mg	(Az mz)	kg mg/k	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2 0	5 0	5 0	0.5	0.2	0.5	1	10	50	100	100	50	10	10	50	100	100	50	50	0.5	0.5
2/09/2020	Ouplicate	463	40.5	<0.5	40.5	40.5	0.6	<0.5	1.9	2.1	1.4	1.2	2	0.8	2	1	40.5	1.4	14.4	2.5	40.2	5 4	15 40	5 405	<0.2	40.5	<1	<10	<50	<100	<100	<50	<10	<10	<50	160	<100	160	<50	2.8	3
2/09/2020	BH1 0.5-0.6	718	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	1.8	2.1	1.2	1	2	0.8	2	1.1	<0.5	1.5	14	2.5	<0.2 <	5 4	15 <0	5 <0.5	<0.2	<0.5	<1	<10	<50	230	200	430	<10	<10	<50	370	<100	370	<50	2.8	3
Relative Percentage Difference (RPC	9) %	43.2	NA	NA	NA.	NA	18.2	164	5.4	0.0	15.4	18.2	0.0	0.0	0.0	9.5	NA	6.9	2.8	0.0	PAR N	A N	A N	NA.	NA	NA	NA	NA.	NA.	NA	NA.	NA	NA.	NA.	NA	79.2	NA	79.2	NA	0.0	0.0
RPD Compliance Limit %		15	NA	NA.	NA	NA	NA	NA	50	50	50	50	50	NA.	50	50	NA	50	30	50	NA n	A N	IA N	NA NA	NA.	NA	NA	NA.	NA.	NA.	NA.	50	NA.	NA.	NA	50	NA	50	NA.	50	50
Method Detection Limit (MDL)		>500	NA	NA.	NA	NA	NA	NA	10	10	10	10	10	NA.	10	10	NA	10	50	10	NA N	A N	IA N	NA NA	NA	NA	NA	NA.	NA.	NA.	NA.	1000	NA.	NA.	NA	2000	NA	1000	NA.	10	10
MDL Cless		HIGH	NONE	NONE	NONE	NONE	NONE	NONE	LOW	LOW	LOW	LOW	LOW	NONE	LOW	LOW	NONE	LOW	MED	LOW	NONE NO	NE NO	NO SAN	NE NON	NONE	NONE	NONE	NONE	NONE	NONE	NONE	LOW	NONE	NONE	NONE	LOW	NONE	LOW	NONE	LOW	LOW
RPD Compliance With MDL?	58/42 (90%)	NO	725	YES	YES	YES	YES	773	YES	YES	YES	775	335	YES	YES	YES	YES-	YES	7755	YES	YES Y	5 Y	rs vr	s ves	773	775	125	Y25	YES	YES	YES	NO	YES	YES	YES	NO	YES	NO	YES	YES	YES

*Footnote: For Duplicate and BH1 0.5-0.6 pairs, 90% of analytes complied. Non compliances include: an RPD of 43% for Lead where <15% was expected; Inconsistent Detection for C10 - C36 Fraction (sum) an RPD of 79% for >C16 - C34 Fraction where <50% was expected; an RPD of 79% for >C10 - C40 Fraction (sum) where <50% was expected;

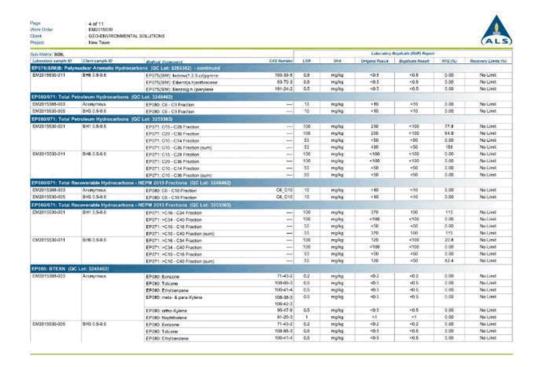
Quality Co	ontrol Blanks	Lead	Benzene	Toluene	Ethylbenzene	meta- & para-Xylene	ortho-Xylene	Total Xylenes	Sum of BTEX	Naphthalene	C6 - C9 Fraction	C10 - C14 Fraction	C15 - C28 Fraction	C29 - C36 Fraction	C10 - C36 Fraction (sum)	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction	>C10 - C40 Fraction (sum)	>C10 - C16 Fraction minus Naphthalene (F2)	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benz(a)anthracene	Chrysene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1.2.3.cd)pyrene	Dibenz(a.h)anthracene	Benzo(g.h.i)perylene	Sum of polycyclic aromatic hydrocarbons	Benzo(a)pyrene TEQ (zero)
Unit		mg/L	µg/L	µg/L	µg/L	μg/L	μg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	μg/L	µg/L	µg/L	μg/L	µg/L	µg/L	µg/L	μg/L	µg/L	µg/L	µg/L	µg/L	µg/L	μg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	μg/L	µg/L	μg/L	µg/L	μg/L	µg/L
LOR		0.001	1	2	2	2	2	2	1	5	20	50	100	50	50	20	20	100	100	100	100	100	1	1	1	1	1	1	1	1	1	1	1	1	0.5	1	1	1	0.5	0.5
Date Sa	ample																																							
	insate	<0.001		<2		<2	<2	<2		<5																													<0.5	



RIGHT SOLUTIONS | RIGHT PARTNER



Nage Stare Onder Client Project	3 of 11 EM2015530 GEO-EM/IRONNE New Town	INTAL SOLUTIONS							ALS
Lib Matrix: 80K	Service St. 10		THE PART OF	1000	100.00	Calmindery	Dojukani (DKIP) Report	Harris .	
Liebonstory sample ID	Clerk sample ID	Hotor Comment	CAS Number	LOW	Give :	Original Result	Duplicare Result	RPE (N)	Recovery Limits I'll
G015(ED003)T: T	otal Metals by ICP-AES	(QC Let: 3251145) - continued				The state of the s	Service Control of the Control of th		The second second
M2015530-003	BHZ 0.6-0.6	E0005T: Veradium	7440 62-2	- 5	make	25	37	21.6	No Limit
		EGOOST: Zine	7440-66-6	- 6	mg/kg	260	260	3.60	0% - 20%
		EGOST; Boron	7440-42-8	90	mg/kg	<10	<50	0.00	No Cinit
AUSS: Moisture C	ontent (Dried @ 105-11	0°C1 (QC Lot: 3248612)							
M2015500-005	Acceymous	EAGSS Moisture Content	- Anni	0.1	- %	25.1	31.9	11.2	0% - 20%
M2015630-005	849.0.6-0.6	EA055: Maisture Content		0.1	.76	22.1	21.8	2.20	0% - 20%
G035T: Total Re-	coverable Mercury by F	IMS (DC Loc 3251146)							
IM2015530-003	BH20505	EG0357: Meetury	7439-97-6	0.1	moka	*D.1	+0.1	0.00	No Limit
PATAISIMIR: Pub	muchar Amenatic Hode	ocarbons IQC Lot 3263162)							
EM2016530-001	8H12506	EPS/SSM: Naghthelene	91-20-3	0.5	make	<0.5	<0.6	0.00	No Limit
		EPCTS(SM: Acenaphtylene	208.96.8	0,5	reging	<0.1	10.5	0.00	No Limit
		EP075(SM): Assnaphthere	83-32-4	0.5	mg/kg	<0.5	40.5	0.00	No Limit
		EP075(SIM): Pluorene	86-73-7	0.5	maka	+0.1	+0.5	0.00	No Limit
		EP275(SM): Phenanthrine.	85-01-8	0.5	mpkg	0.5	1.0	85.5	No Limit
		EP075(SM: Anthracene	120-12-7	0.5	mphy	<0.5	<0.5	0.00	No Limit
		EP075(SM): Pussanthene	206.44-0	0.5	mgkg	7.8	2.7	40.7	No Limit
		EP075(SM): Pyrene	129-00-0	0.5	make	2.1	2.6	29.9	No Limit
		EPOPSISM: Benzialenthrapene	56-55-3	0.5	mg/kg	1.2	1.4	14.9	No Limit
		EP075(SM): Chrysene	218-01-2	0.5	mgAg	1.0	1.2	12.9	No Limit
		EP075(6M): Benzoth+j/fixoranthena	205 99 2 205-82-3	0,5	reging	2.0	2.0	0.00	No Limit
		EP075(9IM): Benzo(k)fluorienthere	207-05-0	9.5	mgikg	0.6	0.8	0.00	No Limit
		EP075(9M): Benzo(a)symme	89-32-8	0,5	mg/kg	2.0	1.9	0.00	No Limit
		EP075(SIM): Intero(1.2.3.od)pyrene	193-39-5	0.5	mphg	3.3	5.5	0.00	No Limit
		EP075(SM): Dibertoja hjerithracene	53-70-3	9.5	mg/kg	<0.1	<0.5	2.00	No Limit
		EP075(SM): Benzo(g.h./jperylene	191-24-2	0.5	mplig	1.5	1.5	0.00	No Limit
M2015530-011	SHE 0.5-0.6	EP075(SIM): Nuphthalane	91-20-3	0.5	mgikg	+0.5	+0.5	0.00	No Limit
		EP075(BM): Acuraphtiylene	208-96-8	0.5	mghg	×0.5	40.6	0.00	No Limit
		EP075(SIM): Aseraphitene	89-02-9	0.6	mging	<0.6	<0.6	0.00	No Limit
		EPS75(SM) Plustene	86 73 7	0.8	mg/kg	40.5	40.5	0.00	No Limit
		EP075(SM): Phenethrene	85-01-8	0,5	mplog	10.5	*0.5	0.00	No Limit
		EP07S(SM): Anthrecent	120-12-7	0.5	mg/kg	*0.5	+0.5	2.00	No Limit
		EPIPS[BM]: Fluxandsene	206.44-0	0.5	make	+0.5	40.5	0.00	No Linst
		EP375(9IM): Pyrene	129-00-0	0.5	nglig	×0.5	40.5 40.5	0.00	No Limit
		EP(75(SM): Benz(a)anthracene	99-55-3	0.5	milgió.		40.5 40.5	0.00	No Linkt
		EP375(SIN): Chrysene	218-01-9		mg/kg	<0.5		0.00	No Link
		EP075(SM): Benzo(b+)/Nuorenthene	205-99-2 205-82-3	0.5	mg/kg	+0.5	-0.5	0.00	No Limit
		EP075(SIM): Benzo(k/fluorenthone	207-08-9	0.5	mg/kg	<0.5	+0.5	0.00	No Limit
		EP075(SIM): Benzo(a)pyrene	50-32-6	0.5	mpkg	+0.1	40.5	0.00	: No Limit



Nore Order Store Store Project	5 of 11 EM2015630 GEO-EM/IRONMEN New Town	NTAL SOLUTIONS							ALS
No Marry 80K					100	Calveratory	Dopulcarie (DGP) Report	He man a S	
Lieboratory sample ID	Clery sangle (D	Markott Command	CAS Number	LOW	Give	Original Rodult	Duplicate Result	RPD (N)	Receivery Limits (SL)
EPORO: BTEXN (OC	Lot: 3248462) - contin					TOTAL PAR		THE STATE OF THE S	The state of the s
EM2010530-005	BH3 2 6 0.6	EPDR0: meta- is para-Xylene	109-39-3 106-42-3	0.5	mpleg	-0.3	<0.5	0.00	No Limit
		EP080; ortho-Xylene	9547-0	0.5	males	10.5	40.5	0.00	No Limit
		EPG80 Nochtholene	91-20-0	:3.	mg/kg	et .	31	2.00	No Limit
NO-MUNICIPAL WATER			a second			Laboratory	Dopulcate (DGF) Report		Name and Address of the Control of t
Laboratory sample 89	Clary cargle (0	Method: Company	CAS Number	£0.8	OMIR	Original Ross k	Dopileats Heavil	RPD CN	Receivery Limits (%)
EG020F: Disselved	Metals by ICP-MS (QC	Lot: 3248526)							
EM2015235-001	Anonymous	E0020A-F: Lead	7439-02-1	0.001	mgl.	+0.011	40.001	0.00	No Limit
EM2018620-003	Arceyrous	EGG2GAF: Lead	7439 92-1	0.001	mgt	6.002	40.001	2.00	No Limit
EP375(SIM)B: Polys	nuclear Aromatic Hydro	carbone (QC Lot 3247879)							
EM2015535-002	Archymous	EPS/SSM): Beszo(a)pyrene	50-32-4	0.5	pat	10.1	40.5	0.00	No Limit
		EP075(BM) Nephthelene	91-20-3	1	Jeq.	+1.0	×1.0	0.00	No Limit
		EP075(BM): Acenephthylene	208-96-8	- 1	pgt.	×1,0	×1.0	2.00	No Limit
		EP075(SM): Assnaphthere	83-32-9	.1	ust.	<1.0	<1.0	0.00	No Limit
		EPIZESMI Russee	66.73.7	1	pg1.	<1.0	<1.0	0.00	No Limit
		EPC75(RM): Phenyethrane	85-01-8	. 1	ugl.	41.0	41.0	0.00	No Limit
		EP075(SM): Anthracene	129-12-7	1	ugt.	×1.0.	W1.D	0.00	No Limit
		EP075(9IM): Flyosenthene	206-44-0	.1	pat	×1.0	41.0	0.00	No Limit
		EP075(BM): Pyrene	129-00-0	-1	pgt.	41.0	<1,0	0.00	No Limit
		EPON(SM) Benziajanhvacene	56 55 3		PS.C	<1.0	×5.0	0.00	No Limit
		EP075(SM): Chrysene	218.01.9	1	Jeu	<1.0	<1.0	0.00	No Link
		EPS75(SM): Benro(b+)/Nonenthens	205-00-2 205-02-3	,	pg L	<1,0	+1.0	0.00	No Limit
		EP075(SM): Benzojk/fuoranthene	207-09-9	- 1	pgt.	<1.0	<1.0	0.00	No Limit
		EP075(SM): Indeno(1,2,3,cd)pyrene	193-39-5	.1	pgt.	H1.0	41.0	0.00	No Limit
		EP075(BM): Diberzija hjerfftracene	53-70-3	1	pgt.	45.0	41.0	0.00	No Limit
		EP375(SIM): Benzotg.h (perylene	191-24-2	1	pgt.	K1.0	×1.0	5:00	No Limit
	etroleum Hydrocarbona	(QC Let: 3247512)							
CM2015518-001	Anonymous	EPOSO: C6 - C0 Fraction	-	20	pg L	+20	<20	2.00	No Liest
EM2010012-001	Anonymous	EP080: C6 - C0 Fraction	-	20	har.	+20	420	0.00	No Limit
EPSEGN71: Total Pe	rcroleum Hydrocarbons	(QG Let: 2247876)							
EM2016861-003	Attenymeet	EPS71: C15 - C28 Fraction	F (7)	100	160	<100	4100	2.00	Nesimit
		EPOP1: C10 - C14 Fredion	-	50	pg/.	<50	450	2.00	No Limit
		EP071: C29 - C36 Fredion		50	ugt.	450	+50	0.00	No Limit
EM2015535-002	Anonymous	EPS71: O15 - C28 Frestion	1.00	100	ugt.	<100	4100	0.00	No Limit
		EPOP1: C10 - C14 Fraction	in the same of the	50	pg/L	<50	450	0.00	No Limit
Maria Cara Cara		EP071 C29 - C36 Fraction	- min	50	pg/L	<50	<50	0.00	No Limit
EPOBONET: Tetal-Re	ecoverable Hydrocarbo	na - NEPM 2013 Fractions (QC Lot: 5247512)							
M2015538-001	Anceymous	EPORO, C6 - C10 Fraction	CE_C10	.20	191	+20	+20	0.00	No Limit

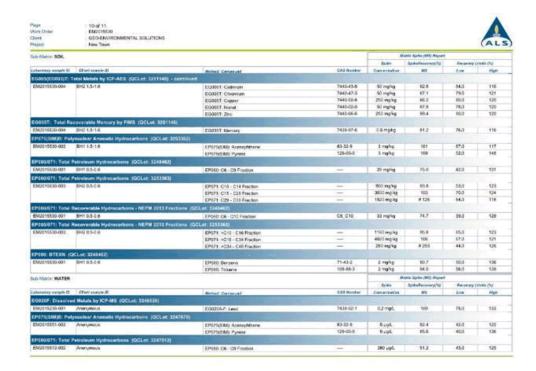


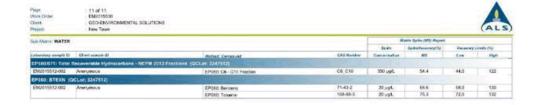
Nors Order Store	7 of 11 EM2015500 GEO-ENVIRONMENTAL SOLUTIONS								A
Project	New Tours								(~ -
Method Blank	MB) and Laboratory Control St	ike (LCS)	Report						
	m Mothod / Laboratory Blank ratios to an incomplete all following contentration. The								
analytes. The purpose of	of this GC parameter is to monitor method precision	on and anzumey	independent of a	emple matrix. Dynamic	District which was a financial before the second se	on statistical evaluation o	and the second section of the second second second second		
Sub-Matrix: BOIL					Aforhou (Slank (NE)) Alsourt		Enberstory Control Spiles (LC)	1110	
		CAT Number	408	Dell	Park	Spille	Spile Recovery (NJ) LCS	Low	Elieks (NJ
Welfool: Compound		AT NUTSELF	1 CM	LIGHT .	Port	Corcensyson	100	Low	Hille
	tal Metals by ICP-AES (OCLOR 3251145)	7440-38-2	1		- 45	N. V. condin	100	78.5	107
EG005T Ansenic		7440-33-3	10	ngkg	410	21.7 mg/kg	92.1	78.6	110
EG005T Barlum		7440-41-7	10	mg/kg	+10	143 mg/kg 5.63 mg/kg	100	85.4	110
EG005T Beryllers		7440-41-7	50	mg/kg	*1 *20	5.63 mg/kg 33.2 mg/kg	100	76.4	114
EG005T: Buran		7440-42-0	1	nglig	450	4.64 mg/kg	34.0	76.2	108
EGOOST, Caronium		7440-43-3		mg/kg mg/kg	- 41	43.9 mg/sp	99.5	77.7	110
EGROST Coball		7440-49-4	7.0	ngho		16 mg/kg	97.1	78.5	112
EG005T: Copper		7440-50-8	- 5	make	-6	32 mg/kg	99.4	79.1	106
EQ005T Lend		7439-92-1		make	-65	40 mg/kg	104	78.6	106
EQ005T Mangarana		7439-05-5		mg/kg	-15	130 mg/kg	100.0	80.0	110
EG005T: Nickel		7440-02-0	2	nghg	12	35 mg/kg	105	79.0	109
EG005T: Selenkani		7782-41-2	- 6	ngtig	45	5.37 mg/sp	105	92.0	110
EG006T Vanadium		7440-62-2	- 5	ngleg	46	29.6 mg/m	95.9	78.5	106
EGOOST Zinc		7440-05-6	- 5	mg/kg	-6	60.8 mg/kg	110	79.1	110
THE RESERVE AND ADDRESS OF THE PARTY OF THE	overable Mercury by FIMS (QCLot 325114	0							
EG055T Mercury	WATER MERCUTY BY PIRES (QCLSC 323114	7439.07.6	0.1	mghg	40.1	2.67 mg/mg	88.7	76.0	110
	Market Control of the Control of the Control	NAME AND ADDRESS OF THE OWNER, WHEN	-	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, where the Owner, which is the Owner, whic	No. of Contrast of			140	- 110
	uclear Aromatic Hydrocarbona (QCLot 3	91-20-1	0.5	ngha	+0.5	3 mg/sp	114	84.5	128
EP075(SIM): Naphilian EP075(SIM): Acenachi		205-06-6	9.5	marke	10.5	3 ng/g	112	76.9	127
EP075(SIM) Acensorii		83-32-9	0.5	riging	40.5	3 mg/kg	113	85.5	128
EP075(SIM) Fluorene	No. of	86-73-7	0.5	nghg	10.5	3 naha	115	82.1	126
EP075(SIM) Phenanth	CARRA .	85-01-8	9.5	nging	10.5	3 mg/mg	114	85.6	133
CP075(SIM) Archraces		120-12-7	0.5	mg/kg	10.5	3 make	117	88.7	126
EP075(SIM) Fluorwith		206-64-0	9.5	ngko	49.5	2 make	115	43.4	126
EP075cSMt Pyrere	-ACSect-	129-00-6	9.5	maho	49.5	3 mg/rg	119	85.1	140
EP075(BIM) Berusalar	thecase	56-55-3	0.5	mghip	49.5	3 mg/sg	107	62.7	130
EP075dSIMb Chrysene		218-01-0	0.0	nghg	<0.5	3 mg/kg	120	85.2	341
P075cSiMr Bermich+		205-99-2	0.5	ngleg	<0.5	3 mg/kg	102	68.5	120
		205-82-3							
EP075(SIM): Borcook()	Noronthane	207-08-9	0.5	regleg	40.5	3 mg/kg	128	80.1	132
EP075(SIM): Benzo(a)s	tyrens	50-32-8	0.5	mgleg	<0.5	3 mg/kg	# 122	67.4	120
CP075(SIM); Indeno 1.	2.3 ofpyrene	193-39-5	0.5	ngkg	<0.5	3 rights	105	66.0	126
EPOPS(SIM): Dibere(e)		53-70-3	0.5	ngkg	<0.5	3 mg/kg	101	65.4	127
EPOYNCEME Benzin B	de redene	191-24-2	0.5	ngka	+0.5	5 make	105	47.8	127

Plage Otons Order Client Project	8 of 11 EMEC15530 GEO-ENVIRONMENTAL New Town	solutions							AL
Selo-Matrix: SOIL					Mighad Marie (WW) Amount		Laboratory Control Spiles (LC)		
			1.00	1		Zpier	Epite Pleasury (%)		Contracto
Welfool Compound		CAS Novem	LOW	GAT	Reself	Concenhation	108	Low	High
	etroleum hydrocarbona (QC			and the second					
EPORO CE - CO Frace	The same of the sa	-	10	mg/kg	+10	35 mg/kg	94.2	41.2	127
	etroleum Hydrocarbons (QC								
EP071: C10 - C14 Fee			50	mg/kg	<50	9CO my kp	97.2	71.8	129
EP071: C15 - C25 Frs		(many	100	mg/kg	<100	3030 mg/kg	100	83.9	125
EP671: C29 - C36 Fre		-	100	mg/kg	4300	1520 mg/kg	95.5	77.0	110
EP071: C10 - C36 Fre	action (sum)		50	regitig	×60	2000		-0000	_
EPOBOIDT1: Total R	Recoverable Hydrocarbons - 1	NEPM 2013 Fractions (QCL	ec 3248462)						
EP080. C6 - C10 Frac	ction	OE C16	10	ngkg	×10	AS morks	.953	59.5	125
EP080/071: Total R	Recoverable Hydrocarbons - I	IEPM 2013 Fractions (QCL)	oc 1253363)						
EP071: >C10 - C14 P			50	mghig	< 50	1160 mg/kg	96.6	72.2	129
EP071: +C16 - C34 Ft	raction	2.000	100	malkg	<100	A020 mg/kg	96.0	82.1	122
EP071: >C34 - C40 Fr	haction		100	mg/kg	<100	260 mg kg	104	65.1	131
EP671 >C10 - C40 F	Yaction (sum)		.90	mgNg	×90	444		pear.	
EPOSO: BTEXN (Q	CLet 3248462)								
EPONO Bertrene		71-43-2	02	rug/kg	40.2	2 make	82.9	62.7	110
EPORO, Toksena		100-85-3	9.5	make	40.5	2 mg/kg	88.8	66.6	126
EP000 Ethybergene		100-41-4	0.5	mg/kg	40.5	2 mg/kg	92.8	96.3	724
EP090: meta- & pora-		106-38-3	9.5	mg/kg	40.5	4 mg/kg	36.4	67.5	126
		106-42-3							
EP000: ortho-Xylene		95-47-6	0.5	mahia	<0.5	2 11979	97.1	73.0	128
EP090: Nagnthalone		91-20-3	11	regleg	41	0.5 mg/kg	92.9	61.2	:123
DO MATER					Shehoe Mank (980)		Enteratory Control Spille (LC)	E EVALUE	
COMMEN MATER					Aspart	Spire	Spile Recessy (N)		CONTRACTO
Welhoot Commound		CAS Nowber	109	lint	Possit	Convenientes	168	Line	Nye
	Metals by ICP-MS (QCLee)	CALLES				CONTRACTOR OF THE PARTY OF THE		No. of the last of	70
EG020A-F: Lead	s secure by run-sea (Goulde).	7439-02-1	100.0	mel	+0.001	0.1 mg/L	95.3	84.0	107
ASSESSMENT OF THE PARTY OF THE	muclear Aromatic Hydrocarb	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED		The state of the s					1000
CPO75CSIMs Nachtha		91-20-3		Joi	<10	6 LOL	20.6	41.1	116
CP075/SMfr Acensor		208-95-8	- 1	igt	*1.0	5 tol.	94.7	47.2	121
EP075(SIM): Acensel		83-32-9	- 1	ugt.	43.0	5 pgt	94.2	47.3	118
DP075(SIM): Fluorens		86-73-7	- 1	pat	*1.0	5 LoL	94.3	42.6	121
P075/SMr Phoses		85-01-8	- 1	uot.	*1.0	5 vol.	26.9	62.5	124
P079/SIMI: Avenue		120-12-7	1	pot	61.0	6 vol.	98.1	62.3	126
CP075/SIM1 Fluoren		206-04-0	- 1	iol.	<1.0	6 pgc	97.6	52.4	127
P075(SIM): Pyrere		129-00-0	- 1	igt	41.0	Scot	97.3	51.3	130
LP075(SIM): Serupak	or throughout a	96-65-3	1	Lot.	<1.0	Sigl	101	60.0	130
EP075/SIMir Chrysen		218-01-9	1	tot	41.0	5 pgt	101	49.6	121

More Onder Ziera Poject	GEO-ENVIRONMENTAL New Town	SOLUTIONS							(AL
NO-HOME WATER					Mighad Manic/880y	1977	Laboratory Control Spiles (LC)	9 Рерог	
Conference and			15.45	11	Anjord	Zywe	Igite Recesory (%)		Contin (10)
Walted Campound		DAR MUNEAU	LOW	Det	Reself	Concenhation	108	Low	Hyb
	nuclear Aromatic Hydrocarts								
EPOTS(SIM): Bendar):		205-03-2 205-02-3	-31:	jet	+1.0	5 ppt	105	61.5	112
EP075(58M): Beruss(k	Sucranthane	207-06-9	£1	pgt.	*1,0	5 pgl.	102	54.0	131
EP076(BIM): Beruso(a		59-32-8	0.5	pgt.	40,5	5 ygt	104	52.3	133
EP076c8Ms Indeno	1.2.3 odpyrene	199-39-5	.1	Jet	<1.0	5 µgL	107	50,A	127
EP076(SIMI: Diberz)	z.hjantracene	59-70-3	1	Jol	<1.0	Sigl	107	50.0	127
EP075/SIMs Benzo(p	h/)serylene	191-24-2	1	Jeq	<1.0	5.igt	108	50.8	129
EP680/871: Total P	etroleum Hydrocarbons (QC								
EP090: O8 - C9 Frace	(in)	500	26	POL	- 420	360 pg/L	97.9	65.5	129
EP060/071: Total P	etroleum Hydrocarbona (QC	Lot: 324707G)							
EPS71: C10 - C14 Fm	cten	TOURSELL TOURS	50	. Jot	150	3330 µg/L	81.4	44.8	126
EP071: C15 - C28 Fn	scien		100	rot.	4300	16500 µg/L	76.3	51.3	135
EP071: C29 - C36 Fri	octon	-244	50	19L	190	7800 µgf.	77.6	42.4	134
EPOSSIETT: Total R	acoverable Hydrocarbons - I	SEPM 2013 Fractions (QCLe	E 32475121						
EP000 C6 - C10 Free	don	.C6_C10	20	ipt:	(400.)	450 pg/L	96.9	64.3	126
EPONDIETT: Total R	ecoverable Hydrocarbons - I	NEFM 2013 Fractions (QCLa	C 3247876i						
LP071: +C10 - C16 F	naction	and the second s	100	tot	<100	5690 pg/L	72.8	47.3	129
EPO71: +C16 - C34 F	raction	-	100	Jeu	#100	20700 sas1.	78.9	50.4	133
EP071: >C34 - C40 F	rection	deal	100	pgt.	*100	1510 µg/L	83.0	45.2	136
EPOSO: BTEXN (Q	CLet: 3247512)								
EPONE Sentene		71-43-2	1.	. Jet	et	20 jugit.	97.4	09.0	126
EPDNO: Toluene		108-83-3	2	Jeu	+2	25 µg4.	99.5	73.0	120
EPORO Ethythorophi		100-41-4	2	. Jos	.42	20 µg4.	101	72.0	126
EP000 mera- & pera-	Xylone	108-38-3 106-42-3	2	Jest	+2	40 µg/C	103	71.5	132
P080: ortho-Xylone		95-47-6	2	Jeq.	+2	20 µg/L	105	76.5	132
EP080: Naghthalone		91-23-3	. 5	ugt.	46	5 cgt.	102	70.5	127

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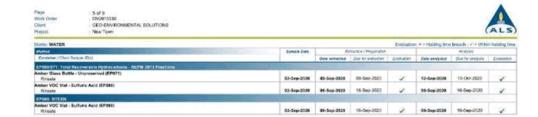










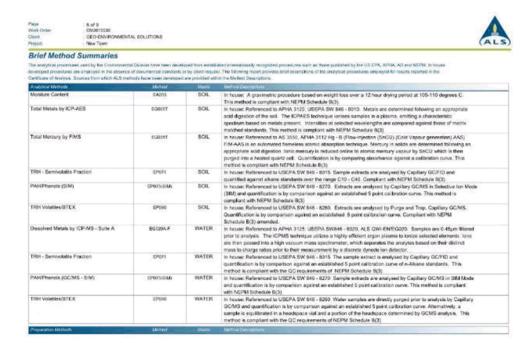






Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

Environmental Site Assessment: 156 New Town Road, New Town



 Page
 9 of 8

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 EX/2013330

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 GEO-ENVIRONMENTAL SOLUTIONS

 Propot
 New Town

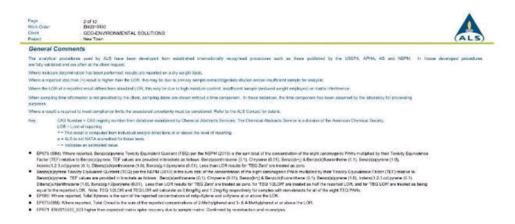


Propunetin Mestodi	Mayor		
Hot Block Digest for motals in soils sediments and sludges	ENTS	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and hydrochriot acids, then cooled. Peroxide a added and samples heated and coded again before being filtered and bulked to volume for analysis. Cligest is appropriate for determination of selected metats in studge, sediments, and salls. This method is complaint with NEPM Schreidale BG3.
Methanolic Extraction of Solls for Purge and Trap	CROIS	SOIL	In house: Referenced to USEPA SW 616 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	GRG17	SOIL	In house: Mechanical agitation (tumbler), 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Rections by end over end surstile. The solvent is decarted, dehydrated and concentrated (by KD) to the desired volume for analysis.
Separatory Funnel Extraction of Liquids	ORDI4	WATER	In house Referenced to USEPA SW 565-3550 100 mt. In it of sample is transferred to a separatory funnel and serially excited three times using DCM for exhibit, the restance instructure of strates are combrand, delephosed and concentrated for earlyies. This method is compliant with NEPES Schwidzle B(S). ALS default excludes sectioned which may be resident in the continent.
Volatiles Water Preparation	OR316-W	WATER	A 5 mi, aliquot or 5 mi, of a diluted sample is added to a 40 mi, VOC vial for spanging.

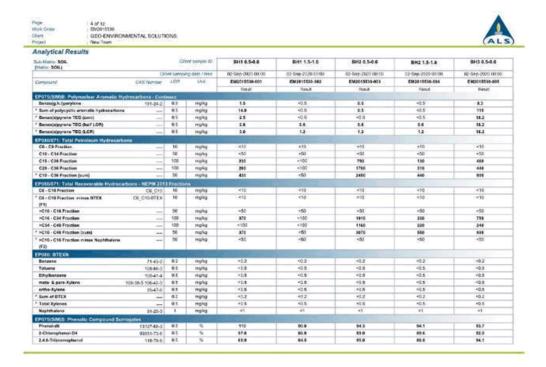
Appendix 8 Certificate of Analysis

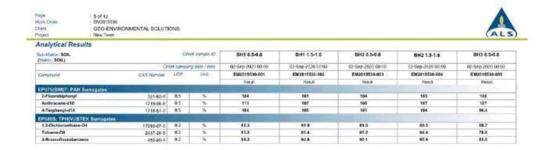


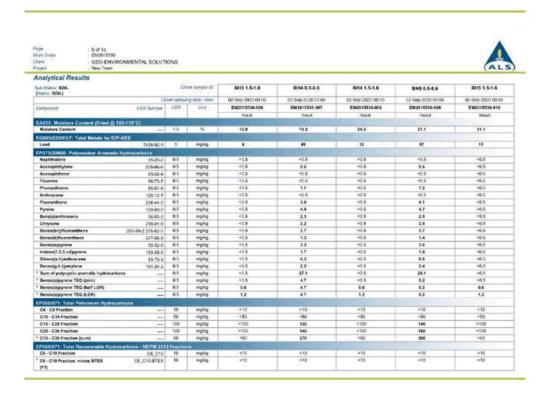
RIGHT SOLUTIONS | RIGHT PARTNER



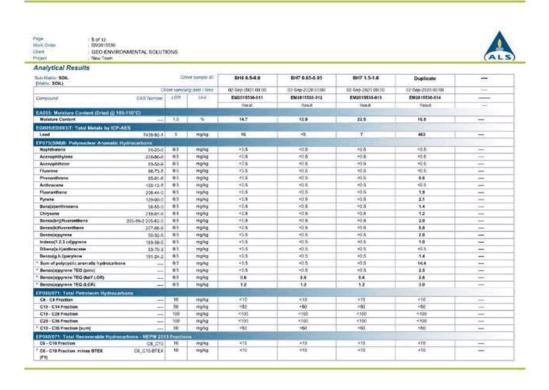
tge (ork Crater feet tiped	3 of 12 EV2015530 GEO-ENVIRONMENTAL SOLUTI New Town	ONS						AL
Analytical Results	í							
Sub-Matte: SOL. (Matrix: SOL)		CA	net somple (ID)	BH1 0.5-0.8	BH1 1.5-1.6	BH2 0.5-0.6	BH2 1.5-1.6	8H3 0.5-0.6
9000078010	OF CO.		ng date / free	02-Sep-2020 00:00	(12-Sep-2120-01:00)	82-Sep-2020 00r00	02-Sep-2020-01:00	66-240-5000 00:00
Compound	CAS Number	1.017	Lheif	EM2015530-001	EN2915530-002	EW2015533-003	EM3815530-504	EM2015539-005
				Rest	Result	Total C	Panut	Flenat
	int (Dried @ 105-110°C)	1 4 5						1507
Moisture Contant		1.0	- %	16.8	12.2	15.3	19.2	22.5
EG05(ED093)T: Total								
Arestic	7440-36-2	4	mglig			- 6	-4	
Racium	7440-30-3	10	mpliq			80	41	_
Berytium Beron	7440-41-7	10	mg/kg	-	-	<1 <0	<50	-
Boron Cadmiam	7440-42-8	10	mg/kg	_	_ =	4	450 41	-
Chromium	7440-43-0	-	mg/kg mg/kg	-		10		_
Cobalt		- 1	mg/kg	_	-		- :	_
Cooper	7440-45-4 7440-50-8		make				31	
Manganesa	7440-50-8 7439-96-5	-	mging	-	ne.	188	234	1 444
Nickel	7439-90-0	3	mg/kg			11	13	
Bolestorn	7782-49-2	-	reging .		ne ne	45	- 5	
Vanadure	779249-2	-	mg/kg		-	27	26	_
Disc	7440-66-6	- 5	mg/kg			200	114	
Land	743040-0	4	mg/kg	718	- 11	804	110	227
			The state of the s	WAY!				
EG035T: Total Recove	7439-97-8	0.1	malka	_	-	40.1	12	_
THE RESERVE OF THE PERSON NAMED IN	NAME AND ADDRESS OF THE OWNER, WHEN PERSON ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN	0.1	mong.	-		707	44	
EP075(SIM)B: Polymic Naphthalene	Mar Aromatic Hydrocarbons 81-35-3	0.5	mplig	*0.6	40.5	10.5	10.5	as
Aceraphthylene		0.5	mpkg	*0.5	40.5	10.5	40.5	1.0
Aceraphthene	308-66-6 63-30-0	0.5	mg/kg	10.5	40.5	10.5	-0.5 -0.5	10.5
Fluorena	16-73-7	0.5	maka	+0.5	*0.5	40.5	40.5	0.5
Phananthrane	16-73-7 15-01-0	0.5	united.	0.6	40.6	10.5	-0.5	7.7
Arthracene	120-12-7	0.5	maka	10.5	40.5	-0.5	10.5	- 14
Fluoranthene	205-44-0	0.5	reging	14	40.5	÷1.5	e0.5	18.5
Pyrene	12940-0	0.5	mg/kg	21	<0.6	<0.5	<0.5	19.5
Benzjalanthrocena	16663	0.5	regitig	12	<0.6	40.6	40.6	9.3
Chrysene	21841.8	0.5	mg/ng	1.0	41.5	41.6	40.5	0.0
Benzo(brj/fluorenthene		0.5	mg/kg	2.0	40.6	<0.6	40.5	13.3
Beneok/fluorenthene	207.46.9	0.5	mg/ng	0.8	<0.6	*0.5	41.5	3.7
Benzo(a)pyrene	50-32-8	0.5	regitig	2.0	40.5	<0.5	<0.5	12.7
Indeno(1.2.3.od)pyrens	153.36.5	0.5	regring	1.1	×0.5	¥0.5	40.5	4.5
Dibenela hierthracene	53-70-3	0.5	regitig	10.5	<0.5	×0.5	-0.5	2.1



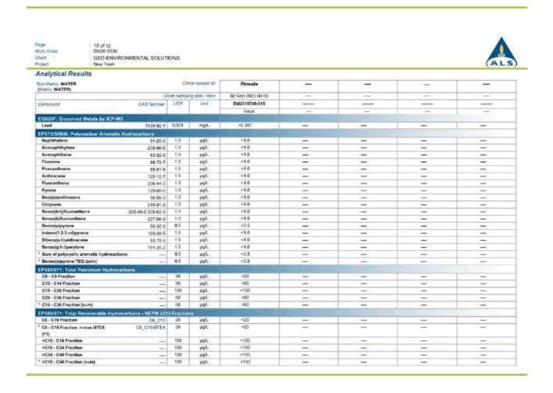


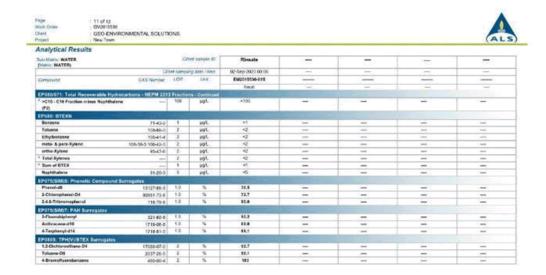


fert GEC	12 015530 D-ENVIRONMENTAL SOLUTE Town	ONS						AL
Analytical Results								
Sub-Matrix: SOL. Others: SOL)		BH3 1.5-1.4	BH4 0.5-0.6	894 1.5-1.6	BH5 0.5-0.6	8HS 1,5-1,4		
Maria de Caracteria	Offers computing date / times			02-Sep-2020 00:00	(12-Sep-2120-01:00)	82-Sep-2020 00r10	02-Sep-2020-00:00	60-546-5000 00:00
Compound	CAS Number	CAS Number 4.09 Live		EM2015530-006	EN 2915530-007	EW2015539-403	EN3015530-506	EW2015539-010
				Besit	Result	Total C	Flanut	Fleaut
EP080/071: Total Recoverable	le Hydrocarbona - NEPM 2011	Fractio	ets - Continued					
HC10 - C16 Fraction	-	50	regring	<50	450	<90	450	450
HC16 - C34 Fraction		100	mg/kg	<100	250	₹100	260	<100
HCS4 - C48 Fraction	_	100	mplig	4100	4100	4100	×100	<100
* >C10 - C40 Fraction (sum)	100	50	mg/kg	+50	230	×60	260	w50
* >C10 - C16 Fraction minus No. (F2)	pHhalens —	50	maka	+50	+50	+93	+50	=50
EPORO: BTEXN								
Benzene	71-43-2	0.2	mging	40.2	40.2	40.2	40.2	49.2
Toluene	108-86-3	0.5	mg/kg	<0.6	4).6	<0.6	<0.6	40.5
Ethylbenzene	100.41.4	0.5	grigm	<0.6	4).6	4).6	<0.5	40.5
meta- & pare-Xylene	108-38-3 108-42-3	0.5	mg/kg	<0.5	<0.5	+0.6	40.5	<0.5
ortho-Xylane	96-47-6	0.5	mg/kg	<0.5	<0.6	<0.5	<0.5	<0.5
* Sum of BTEX	100	0.2	mg/kg	+0.2	40.2	10.2	10.2	+0.2
* Total Xylenes	Spin	0.5	mg/kg	:<0,5	<0.6	<0.5	10.5	10.5
Naphthalens	91-20-3	1.	mg/kg	45	×1	581	<1	ed.
EP075(SM)S: Phenolic Com	cound Surrogates							
Phanol-d6	13127-88-3	0.5	- 5	92.7	91.1	95.7	88.4	67.8
2-Chlorophenoi-D4	93151-73-6	0.5	54	16.6	91.1	90.4	85.3	86.7
2.4.6-Tribromophenol	118-79-6	0.5	%	79.1	93.1	84.2	84.0	20.4
EP075/SIMIT: PAH Surrogate	100		-	-				
2-Fluerobiphoryl	32140-6	0.5	76	100.0	107	104	98.9	100
Anthraome-d10	1719-06-8	0.5	%	105	111	106	162	104
4-Terphenyl-d14	1718-51-0	0.5	%	192	105	107	97.8	103
EPOSOS TPH(V)/BTEX Surro	gates		-					
1.2-Dichiproofhane-D4	17060-07-0	0.2	. %	11.0	90.4	92.2	91.2	91.2
Tolusne-OB	2137-26-5	0.2	%	10.4	67.2	11.5	87.6	19.4
4-Gramofluorabenzens	45040.4	0.2	16	101	94.7	96.6	96.0	102



lert GEC	12 015530 D-ENVIRONMENTAL SOLUTI Town	ONS						AL
Analytical Results								
Sub-Matrix: SOL. Offent comple (0)			BH6 0.5-0.6	BH7 0.85-0.95	BH7 1.5-1.6	Duplicate	-	
Manager Co.	Offernamoung date / time			02-Sep-2021 00:00	(82-Sep-2020-0(n0)	02-Sep-2020 00:10	02-Sep-2020 00:00	
Compound	CAS Number	CAS Number 4.00 Line		EM2015530-011	EN2015536-012	EW2015533-013	EM3015530-014	
				Resido	Result	Fire.#	Flenuit .	Seek .
EP080/071 Total Recoverable	le Hydrocarbons - NEPM 201	Fractio	ers - Continued					
HC10 - C16 Fraction		50	regring	450	460	<90	<50	-
HC16 - C54 Fraction		100	mg/kg	121	100	<100	160	
HC34 - C48 Fraction	_	100	reglig	4100	4100	4100	<100	-
* >C10 - C40 Fraction (sum)		50	replig	120	×50	×60	160	_
* >C10 - C16 Fraction minus No. (F2)	phthalens —	50	maka	+50	+50	-90	450	-
EPORO BYEXN								
Benzene -	71-45-2	0.2	mghg	40.2	40.2	40.2	40.2	940
Toluene	10846-3	0.5	mglig	<0.6	4).6	<0.6	40.6	
Ettybenzene	100-41-4	0.5	grigm	<0.6	<0.6	40.6	<0.5	-
meta- & para-Xylene	108-38-3-108-42-3	0.5	mg/kg	40.6	<0.6	<0.6	40.5	1000
ortho-Xylane	9647-6	0.5	regitig	<0.5	<0.6	<0.5	<0.5	-
* Sum of BTEX	_	0.2	mg/kg	<0.2	<0.2	10.2	10.2	-
* Total Xylenes	, man	0.5	mg/kg	.×0,6	40.8°	<0.5	10.5	total .
Naphthalens	91-20-3	3.	migritig	(45)	×1	8818	41	-
EP075(SM)S: Phenolic Com	cound Surrogates							
Phanol-d6	13127-88-3	0.5	- 5	84.5	96.2	79,8	96.7	
2-Chlorophenol-D4	93151-73-6	0.5	- %	16.6	92.3	73.6	90.0	Seek.
2.4.6-Tribromophenol	118-79-6	0.5	%	76.8	81.1	71.2	84.6	
EP075/SIMIT: PAH Surrogate	1	-	-					
2-Flueroblyhonyl	32140-6	0.5	-%	103	167	87.2	100	-
Arthracese-d10	1719-06-8	0.5	%	110	114	86.6	113	Cases.
4-Terphenyl-d14	1718-51-0	0.5	%	106	111	87.2	169	-
EPOSOS: TPH(V)/BTEX Surro	deter							
1.2-Dichiproofhane-D4	17060-07-0	0.2	- %	14.9	89.1	91.0	83.6	
Tolusne-08	2037-26-5	0.2	%	17.6	82.2	92.3	90.6	100
4-Dramoffuorabenzens	45040.4	0.2	16	11.5	86.5	104	82.6	_







Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022



17/08/21

Sarah Lindsay LXN Architecture & Consulting Sarah@lxn.com.au

RE: Amended Development Plans 156 New Town Road - Environmental Site Assessment

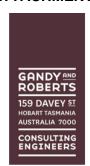
Sarah, this letter is to confirm I have reviewed the amened plans for the proposed development at 156 New Town Road as provided in your email dated the 16th of August 2021. As you are aware my company (Geo-Environmental Solutions Pty Ltd) provided an environmental site assessment for the property in November 2020. The environmental assessment report concluded that the site is suitable for the proposed development and there is no site contamination that would pose an undue risk to human health or the environment during or post the development provided the management recommendations were followed.

The revised plans include ground level apartments which differs from the earlier draft scheme for the project. The ESA report concluded that if there were to be ground level apartments or public open space with potential for human soil contact then a Contamination management Plan (CMP) would be required to manage the possible risk to health during and post construction. This conclusion in the ESA is therefore applicable and a CMP will be required as part of the development to manage the identified risk. I can confirm that the amended development plans do not change the rest of the conclusions and recommendations in the environmental assessment report that the development is compliant with clause E.5 P1 and clause E2.6.2 of the Hobart City Council Interim Planning Scheme.

Kind regards,

Dr John Paul Cumming B.Agr.Sc (hons) PhD CPSS GAICD

Director





Concept Services Report

Planning Scheme Compliance & Existing Infrastructure Assessment

156 New Town Road for Renewal Developments

03/03/2022

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

20.0457 – Concept Services Report – 156 New Town Road — 03/03/2022

Version control

Revision	Description	Issue date	Issued by
A	Planning Approval	08/10/2021	Dale Hayers
В	Planning Approval	03/03/2022	Dale Hayers

PROJECT NUMBER **20.0457**REPORT AUTHOR **Dale Hayers**CHECKED BY **Simon Palmer**

Gandy and Roberts Consulting Engineers

STRUCTURAL CIVIL HYDRAULICS

ph (03) 6223 8877 fx (03) 6223 7183 mail@gandyandroberts.com.au 159 Davey Street Hobart, Tasmania 7000 www.gandyandroberts.com.au

20.0457 – Concept Services Report – 156 New Town Road — 03/03/2022

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4	4.1 S 4.2 S	sed Site Connections
5	Planni	ing Scheme Requirements8
6	Water 6.1.1 6.1.2 6.1.3	Sensitive Urban Design
7	Storm	water Detention
8	Apper	ndix A: Concept Servicing Plans11

20.0457 – Concept Services Report – 156 New Town Road — 03/03/2022

1 Context

Gandy and Roberts Consulting Engineers have been engaged by LXN Architecture and Consulting to provide concept servicing documentation for the proposed Apartment Development at 156 New Town Road in New Town. This report has been prepared for the Development Application submission process and aims to discuss the methodology in which the sites sewer, water and stormwater infrastructure will be delivered to existing TasWater and Hobart City Council (HCC) owned infrastructure.

2 Development Locality

2.1 Development Site and Details

The proposed development is located at 156 New Town Road in New Town on a site currently used for coffee sales and a training centre.

2.2 Adjacent Affected Properties

To service development at this property, an upgrade to the existing sewer property connection is required. To undertake these works, access to the 18 Roope Street (CT7973/1) is required.



Figure 1: Development Locality

20.0457 - Concept Services Report - 156 New Town Road - 03/03/2022

3 Existing Site Services

3.1 Site Sewer Connections

The site is currently serviced by an assumed DN100 sewer connection off a DN150 TasWater sewer main located on the adjacent title at the rear of the development site.

3.2 Site Water Connections

The site is currently serviced by a DN25 low hazard, in ground water connection off a DN100 CICL TasWater water main within New Town Road located on the same side of the road as the site.

3.3 Site Stormwater Connections

The site is currently serviced by a DN150 stormwater connection off a DN150 HCC main located on the adjacent title at the rear of the development site, whilst there is also an existing kerb adaptor delivering stormwater runoff to New Town Road.

Much of the carparking area is directed to the existing kerb outlet (approx. 830m²), along with all roof runoff from the existing building (approx. 280m²). The existing flow rate to the kerb is estimated at 24.4 L/s (5% AEP).

Flow to the rear connection is estimated at 5.9 L/s, this generated from part of the carparking area. Figure 2 provides an overview of the existing stormwater runoff from the site. It is evident that that rear lot connection was added as part of a historical carpark extension, whilst it is noted that the buildings roof drainage is connected to a concrete pipe in ground, suggesting that roof drainage has always been delivered to the kerb. Onsite review of this connection shows that it exits the sites via several DN150 bends and is shallow in nature. The HCC owned manhole at the rear of 18 Roope St was not visually located.

20.0457 – Concept Services Report – 156 New Town Road — 03/03/2022



Figure 2: Existing Stormwater Run-Off Locality

20.0457 - Concept Services Report - 156 New Town Road - 03/03/2022

4 Proposed Site Connections

4.1 Site Sewer Connections

Sewer flows have been calculated using both AS3500.2:2018 as well as the Taswater Supplement to the WSA 02-2014-3.1 the WSAA Gravity Sewerage Code of Australia.

Development Flows for the Buildings are shown in Table 1.

Table 1: Development Sewage Flows

Design Parameter	Unit
Fixture Units (AS3500.2:2018)	449
Equivalent Tenements	17.72
Average Dry Weather Flow (ADWF)	0.10 L/s
Peaking Factor 'd'	12.40
Peak Dry Weather Flow (PDWF)	1.19 L/s

Note: The listed sewage flows require the installation of DN150 private sewer drainage at a minimum grade of 1.00% in accordance with AS3500.2:2018

It is proposed that the existing connection to the site will be maintained but is required to be upgraded to DN150. These works are to be undertaken by TasWater at the developer's expense.

4.2 Site Water Connections

Domestic water pipework has been sized in accordance with AS3500.1:2018 for probable simultaneous demand, this on the basis that Equivalent Tenements for the development are < 100 in accordance with Taswater Supplement to the Water Supply Code of Australia WSA 3-2011.3.1 MRWA Editions V2.0.

Development Flows for the accommodation buildings are shown in Table 2.

The proposed development is likely Class 2 with Class 9b parts on the ground floor level in accordance with the National Construction Code (NCC). Fire compartments are likely to be under 500 m² and only 1 fire hydrant is required to operate and deliver 10 L/s @ 200 kPa in accordance with AS2419:2005.

Schematic design advice as provided by Pitt and Sherry Building Surveyors has suggested that it is unlikely that fire sprinklers are required to be installed the building.

Table 2: Development Water Flows

Design Flows	Unit
Domestic Water (AS3500.1:2018)	1.90 L/s @ 700 kPa
Fire Services	10.00 L/s @ 700 kPa

Note: The above listed domestic water flows require the installation of DN65 private water pipework in accordance with AS3500.1:201

TasWater confirmed via Service Inquiry TWSI 2021/00375-HCC on 27/5/2021 that the existing DN100 CICL main in New Town Road can deliver 49.9m (499kPa) under a 20 L/s fire demand and 27.8m (278kPa) under a 40 L/s demand.

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It is proposed that a new DN100 fire and DN65 domestic water connection will be provided from the existing TasWater Main.

4.3 Site Stormwater Connections

Table 3: Development Stormwater Flows

Design Flows	Unit
Hardstand (Q_{20})	4.5 L/s
Landscape Zones (Q_{20})	2.1 L/s
Roof (Q_{20})	23.7 L/s

Where possible, all ground level landscape and hardstand zones will be directed to HCC infrastructure via gravity. A charged drainage system will be required to deliver roof drainage to the proposed treatment and site stormwater detention tank (see Section 5). A pump station will be sized during detailed building design in accordance with AS3500.3:2018 to service the basement area and zones where gravity and charged drainage systems are not practical.

The existing stormwater connection at the rear of the site is proposed to be abandoned as part of the development and all stormwater runoff delivered to an upgraded kerb connection in the same location as the existing kerb connection. Abandoning the existing rear lot connection is proposed due to the fact it will not be easily accessible under the proposed development and any stormwater treatment/detention infrastructure required at this location will not be easily maintained.

5 Planning Scheme Requirements

The current Hobart Interim Planning Scheme 2015 requires that this development manages stormwater in compliance with the Stormwater Management Code. Code requirements for this development are:

Acceptable Solution A1 of Clause E7.7.1 Stormwater Drainage and Disposal states:

Stormwater from new impervious surfaces must be disposed of by gravity to public stormwater infrastructure.

It is proposed that the existing site stormwater connection will be reused and therefore acceptable solution A1 is addressed.

Acceptable Solution A2 of Clause E7.7.1 Stormwater Drainage and Disposal states:

A stormwater system for a new development must incorporate water sensitive urban design principles R1 for the treatment and disposal of stormwater if any of the following apply:

- (a) the size of new impervious area is more than 600 m²;
- (b) new car parking is provided for more than 6 cars;

^{R1} Water Sensitive Urban Design Engineering Procedures for Stormwater Management in Southern Tasmania or the Model for Urban Stormwater Improvement Conceptualisation (MUSIC), a nationally recognised stormwater modelling software package used to assess land development proposals based on local conditions including rainfall, land use and topography, is recognised as current best practice.

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(c) a subdivision is for more than 5 lots.

This development meets criteria (b) of the clause and therefore water sensitive urban design principles must be incorporated into the design of stormwater management for the site. Water sensitive urban design strategies have been detailed in Section 6 of this report.

Acceptable Solution A3 of Clause E7.7.1 Stormwater Drainage and Disposal states:

A minor stormwater drainage system must be designed to comply with all of the following:

- (a) be able to accommodate a storm with an ARI of 20 years in the case of non-industrial zoned land and an ARI of 50 years in the case of industrial zoned land, when the land serviced by the system is fully developed;
- (b) stormwater runoff will be no greater than pre-existing runoff or any increase can be accommodated within existing or upgraded public stormwater infrastructure.

This development meets criteria (b) of the clause and therefore stormwater is to be managed such that runoff from the site will be no greater than existing. The proposed stormwater detention design has been detailed in Section 7 of this report.

6 Water Sensitive Urban Design

6.1.1 Performance Criteria

Performance Criteria P2 of Clause E7.7.1 states:

A stormwater system for a new development must incorporate a stormwater drainage system of a size and design sufficient to achieve the stormwater quality and quantity targets in accordance with the State Stormwater Strategy 2010, as detailed in Table E7.1 unless it is not feasible to do so.

The acceptable stormwater quality and quantity targets are:

80% reduction in the average annual load of total suspended solids (TSS) based on typical urban stormwater TSS concentrations.

45% reduction in the average annual load of total phosphorus (TP) based on typical urban stormwater TP concentrations.

45% reduction in the average annual load of total nitrogen (TN) based on typical urban stormwater TN concentrations.

Stormwater quantity requirements must always comply with requirements of the local authority including catchment-specific standards. All stormwater flow management estimates should be prepared according to methodologies described in Australian Rainfall and Runoff (Engineering Australia 2004) or through catchment modelling completed by a suitably qualified person.

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6.1.2 Stormwater Treatment

A final treatment system design shall be confirmed during detailed design. A concept treatment system for the proposed development has been proposed, incorporating the following design elements:

- Ocean Protect Storm Filters
- · Ocean Protect Ocean Guards
- SPEL Hydro-Channel

6.1.3 MUSIC Modelling

MUSIC V6.2.1 was used to model the performance of the proposed stormwater system. The model predicted the following performance outcomes:

- Total Suspended Solids reduction of 81.1%
- Total Phosphorus reduction of 68.5%
- Total Nitrogen reduction of 46.8%
- · Gross Pollutants reduction of 99.2%

These reduction percentages satisfy Performance Criteria P2 of Clause E7.7.1.

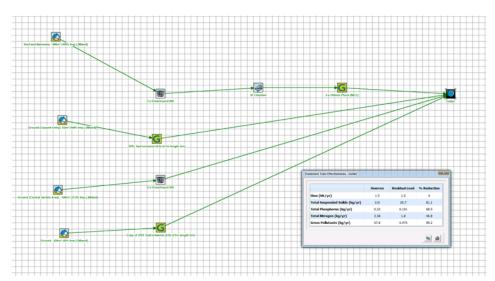


Figure 3: MUSIC Treatment Train

7 Stormwater Detention

The development title is 1475 m² in size and it is proposed that all stormwater runoff will be delivered to an upgraded kerb adaptor connection to New Town Road. Despite the existing runoff to the kerb adaptor having a higher runoff rate (see section 3.3), the maximum flow rate (5% AEP) is proposed to be limited to 13 L/s. Runoff from landscaped zones at the ground level through the central portion between the two building is proposed to discharge to the kerb un-detained, whilst runoff from upper-level roofs, balconies, driveway entry and rear landscaping zones are to be mitigated.

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In order to determine the flow hydrograph for the site a hydrological analysis was undertaken in XP storm 2019 using the methods recommended by Australian Rainfall and Runoff (ARR) 2019. Rainfall data for the site was extracted from the Bureau of Meteorology (BOM) and temporal patterns were downloaded from the ARR Data Hub.

Storm durations from 10 minutes to 2 hours were considered in this analysis with the median storm for each rainfall duration identified. Analysis using XP storm indicates that a detention tank of 5600 L with an orifice-controlled outlet of size 75mm will sufficiently limit size discharge to under 13 L/s. Figure 3 shows the flow rate at the site discharge under the ensemble of median storms.

The 5600 L is proposed to be constructed as an above ground precast concrete tank of approx. size $5.9 \times 1.2 \times 0.85$ m and to be formed within the central landscaping zone. The lid of this tank shall be formed to provide for landscaping with suitable access points to maintain filters and the orifice outlet.

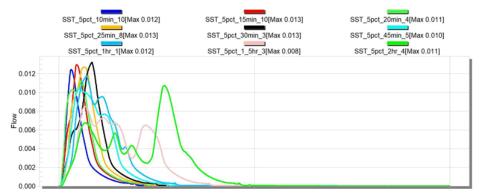
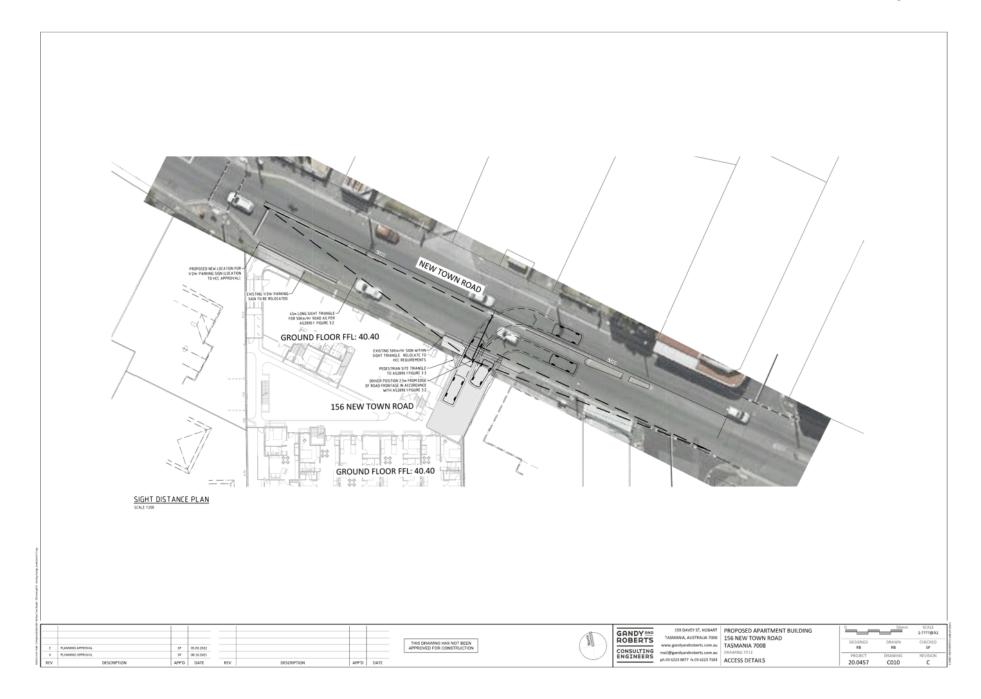


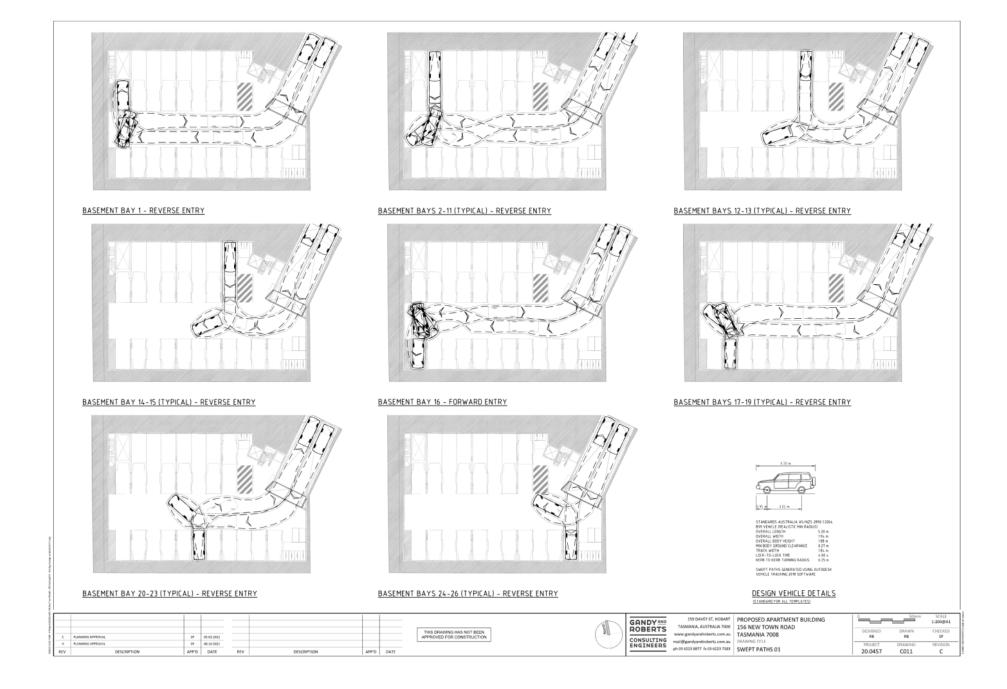
Figure 4: Flow rate to upgraded kerb connection

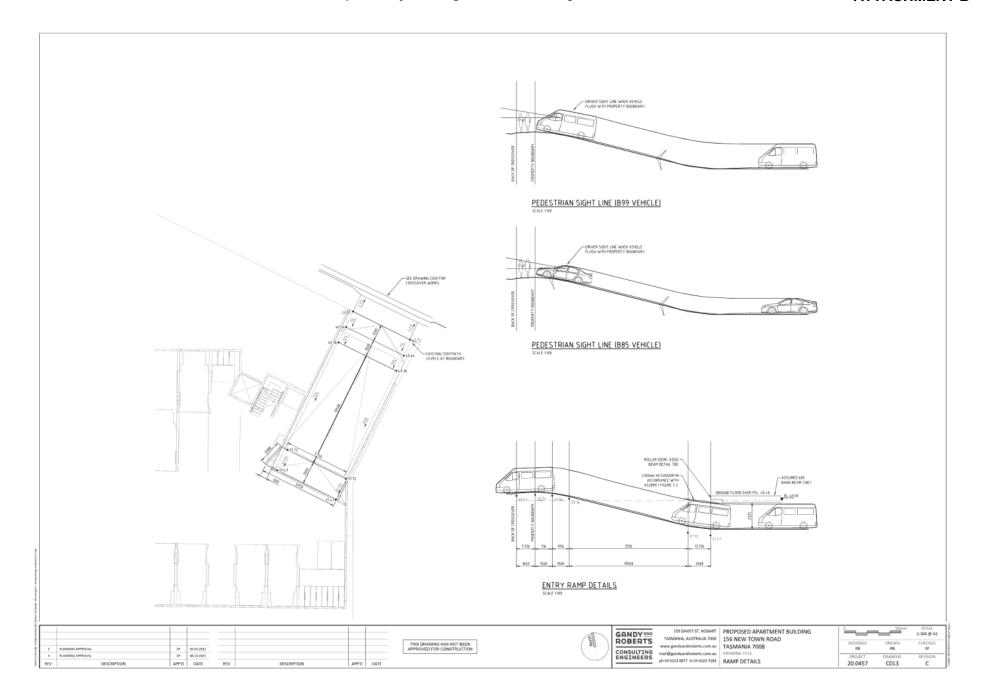
8 Appendix A: Concept Servicing Plans

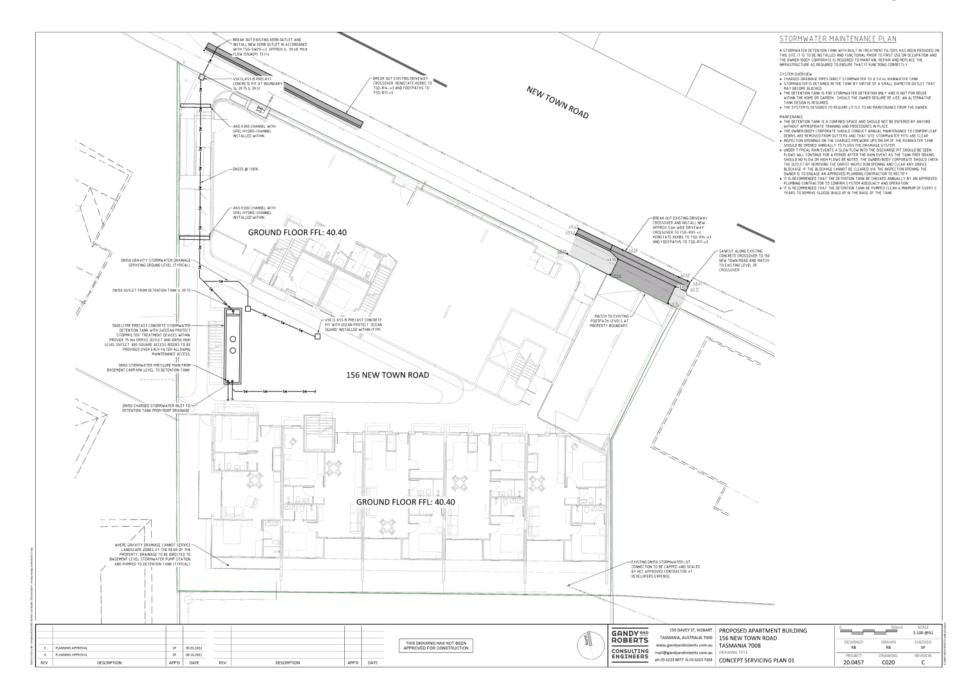
The following drawings shall be read in conjunction with this report for a more detailed overview of the proposed development:

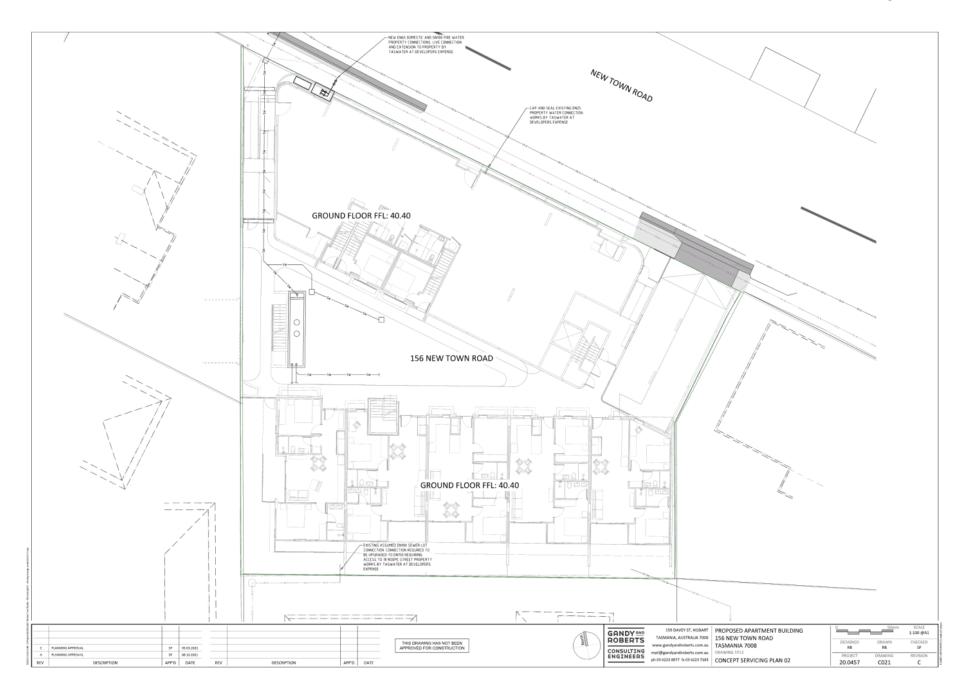
- C010 Access Details
- C011 Swept Paths 01
- C013 Ramp Details
- C020 Concept Serving Plan 01
- C021 Concept Servicing Plan 02
- C022 Concept Servicing Plan 03

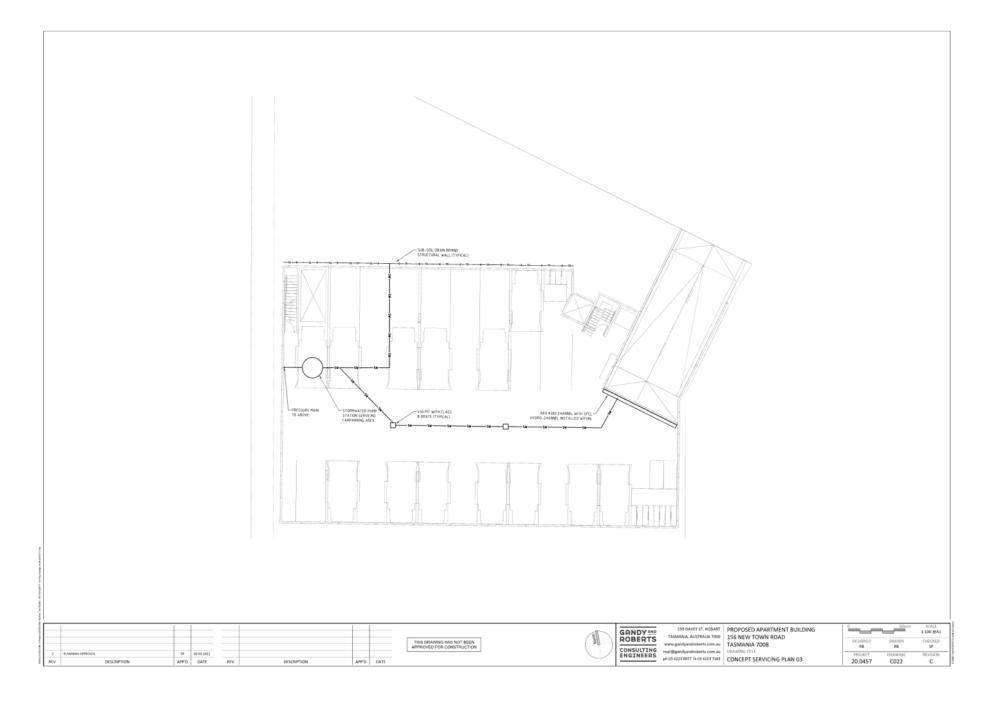














LXN Architecture Waste Management Plan

156 NTR 156 New Town Road, Hobart 7000

WASTE MANAGEMENT PLAN

Project Name: 156 NTR, 156 New Town Road, Hobart 7008.

Client: Renewal Developments

Project/Report Reference: A20121_WMP_156 NTR

File Path: smb://192.168.15.69/01_LXN Architecture/00_Projects/A20101_156 NTR/06_REPORTS/06_01_CURRENT/A20121_WMP_156 NTR

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Prepared By: Joshua Crossin Reviewed By: Sarah Lindsay Date:20/10/2021 Date:20/10/2021 LXN Architecture Waste Management Plan

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LXN Architecture Waste Management Plan

1.0 INTRODUCTION

LXN Architecture and Consulting has been engaged by Renewal Developments Pty Ltd to prepare a Waste Management Plan for a proposed 156 NTR Apartments located at 156 New Town Road, New Town 7008. This Waste Management Plan (WMP) has been prepared based on industry best practice. Waste generation rates enclosed herein are based on the South Australia Better Practice Guide Waste Management for Residential and Mixed-Use Developments, https://www.unmakingwaste.org/zero-waste-sa/.

2.0 INCLUDED IN THIS REPORT

Enclosed is the Waste Management Plan for the proposed development at 156 New Town Road, New Town 7008.

Included are details regarding:

- Land use:
- Waste generation;
- Waste systems;
- · Bin quantity, size and colour;
- Collection frequency;
- Bin storage area;
- Signage;
- Waste collection;
- Scaled waste management drawings.

3.0 LAND USE

Planning application number: CoH TBC

Planning Scheme: Hobart Interim Planning Scheme 2015

Land Zone: 15.0 Urban Mixed Use Zone

Number of levels: 3

Number of Apartments: 19 total;

- 1 studio apartment,
- 13 off two-bedroom apartments, and
- 5 off three-bedroom apartments

Commercial Tenancy:

• 360m2 Commercial gymnasium

4.0 WASTE MANAGEMENT PLAN

4.1 Residential Waste Generation

Residential waste generation rates are shown in Table 1. Calculations are based on 7 days per week occupancy.

* Waste generation calculator is based on the South Australia Better Practice Guide Waste Management in Residential or Mixed use developments as established by the *Zero Waste SA ACT 2004*.

LXN Architecture Waste Management Plan

Table 1 Waste Generation Rates

Use	Garbage	Recycling	Organics
	(L/bedroom/week)	(L/bedroom/week)	(L/bedroom/week)
High Density Residential Dwelling	30*	25*	10*

^{**} The City of Hobart Waste Management Strategy 2015-2030 states, the current kerbside service provision to residents is a weekly collection of a 120L waste bin, and fortnightly collections of a 240L recycling bin per rateable property. The applied Waste Generation Rates for this project are less than the current CoH provision.

A residential waste generation assessment is provided in Table 2.

Table 2 Waste Generation Assessment

Llee	Jse Bedrooms	Waste Per Week		
Use		Garbage	Recycling	Organics
High Density Residential Dwelling	42	1,260L	1,050L	420L
Total Waste Generated per Week		1,260L	1,050L	420L

4.1.1 Residential Waste Systems

Waste would be sorted on-site (in apartments) by residents as appropriate into the following streams:

- Garbage (General Waste),
- · Comingled Recycling,
- Organics (CoH FOGO), and
- Bulky Waste

4.1.1 Garbage (General Waste)

Each apartment will include a dual integrated under bench bin to accommodate Garbage and Comingled Recyclables with a minimum capacity of 15 litres for the temporary holding of General Waste. Residents will be required to apply a plastic liner to their general waste bin.

To dispose of the waste from apartments, residents will need to take their waste to refuse themselves.

Garbage is to be disposed of bagged.

4.1.2 Comingled Recycling

Each apartment will include a dual integrated under bench bin to accommodate Garbage and Comingled Recyclables with a minimum holding capacity of 12 litres for the temporary holding of comingled recycling.

To dispose of the waste from apartments, residents will need to take their waste to refuse themselves.

Comingled Recyclables are to be disposed of loosely.

LXN Architecture Waste Management Plan

4.1.3 Organic Waste

Each apartment would be supplied an Organics Waste Bin (similar to the City of Hobart FOGO bin) to for the temporary holding of organic waste. These bins have a maximum capacity of 5 litres. Residents of all apartments would dispose of organics from these bins directly into the appropriate organics bin provided with in the ground floor refuse area.

Organic Waste bin will be collected by private contactor.

4.1.4 Bulky Goods

A minimum annual storage capacity of $14.63 m^3$ is required for the storage of Bulky Goods Waste. This has been calculated on a rate of $0.77 m^3$ of Bulky Waste generated per household per annum. A volume of $4.9 m^3$ with the minimum dimensions of $1500 mmW \times 1500 mmD \times 2300 mmH$ has been allocated in the basement adjacent to the lift lobby and carpark access point. This space is a temporary storage space with the expectation that the building manager would arrange (3) collections occurring per year or residents. Residents can also utilise the City of Hobarts McRobbies transfer station that provides up to five free entry weekends for residents of the City and located 9.1 km south west to the site.

The storage area would be clearly marked and accessed via the carpark. Refer appendix 1 for the location.

4.2 Commercial Waste Generation

Commercial waste generation rates are shown in Table 3. Calculations are based on 7 days per week occupancy.

Table 3 Waste Generation Rates

Use	Garbage	Recycling	Organics
	(L/10m2/week)	(L/10m2/week)	(L/10m2/week)
Commercial – Retail greater than 100m2	6*	6*	0.3*

A commercial waste generation assessment is provided in Table 4.

Table 4 Waste Generation Assessment

ll	Waste Per Week			
Use	Garbage	Recycling	Organics	
Commercial 360m2	216L	216L	10.8L	
Total Waste Generated per Week	216L	216L	10.8L	

^{*} Waste generation calculator is based on the South Australia Better Practice Guide Waste Management in Residential or Mixed use developments as established by the *Zero Waste SA ACT 2004*.

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4.2.1 Commercial Waste Systems

Waste would be sorted on-site (in gymnasium) by staff and clients as appropriate into the following streams:

- · Garbage (General Waste),
- Comingled Recycling,
- Organics (CoH FOGO), and
- Bulky Waste

4.2.2 Garbage (General Waste)

The gymnasium will be furnished with plastic lined bins for the temporary holding of garbage waste, to have a minimum cumulative capacity of 30.9L. This capacity is based on the transfer of waste to the refuse occurring once per day.

Staff and cleaners will dispose of waste from these bins directly into the appropriate 1,100L bin provided in the refuse.

To dispose of the waste from gymnasium, staff will need to take their waste to refuse themselves.

Garbage is to be disposed of bagged.

4.2.3 Comingled Recycling

The gymnasium will be furnished with plastic lined bins for the temporary holding of comingled recycling, to have a minimum cumulative capacity of 30.9L. This capacity is based on the transfer of waste to the refuse occurring once per day.

Staff and cleaners will dispose of waste from these bins directly into the appropriate 1,100L bin provided in the

To dispose of the waste from gymnasium, staff will need to take their waste to refuse themselves.

Comingled Recyclables are to be disposed of loosely.

4.2.4 Organic Waste

The kitchenette will be furnished with bins lined with compostable bags for the temporary holding of organics. These bins will have the minimum cumulative capacity of 1.6L, based on the transfer of waste to the refuse once

Organic Waste bin will be collected by private contactor.

4.2.5 Bulky Goods

There is a space allocated in the refuse for any bulky goods, should they be generated.

4.3 Bin Quantity, Size and Collection Frequency

LXN Architecture Waste Management Plan

The bin quantity, size and the frequency of collection are shown below in Table 5 and Table 6. Two garbage waste collections per week is recommended given the volume and nature of the waste generated in the proposed development.

Table 5 Waste Bin Size and Collection Frequency

Waste Stream	Collection per Week	Bin Size	No. Bins	Total weekly volume	Weekly capacity per bedroom	Weekly capacity Commercial (L/10m2)	Total weekly capacity
Garbage	2	1,100	1	1,476L	30L	6L	2,200L
Comingled Recycling	2	1,100	1	1,266L	25L	6L	2,200L
Organics	1	660	1	430.8L	10L	0.3L	500L

Table 6 Typical Waste Bin Dimensions

Capacity	Width (mm)	Depth (mm)	Height (mm)	Area (m²)
1100	1240	1070	1330	1.33
660	1260	780	1200	0.98
360	680	848	1100	0.58

^{*} Bin dimensions based on typical SULO Pty Ltd refer

4.4 Bin Colour and Supplier

All bins will be provided by private supplier. The below bin colours are specified by Australian Standard AS 4123.7-2006, however due the private nature of the collection, these are only recommendations and are not mandatory:

- · Garbage (general waste) shall have red lids with dark green or black body; and
- · Recycle shall have yellow lids with dark green or black body.
- Green Waste / Organics shall have lime green lids with dark green or black body.

4.5 Waste Storage Area

 $Table\ 7\ demonstrates\ the\ cumulative\ space\ requirements\ and\ provision\ of\ was te\ areas\ in\ the\ proposed\ development.$

Please refer to scaled drawing shown in Appendix 1.

Table 7 Waste Area Space Requirements

Waste Type	Space Required (excl. circulation)	Space Provided	
Garbage	1.33m ²		
Comingled Recycle	1.33m ²	6.15m ²	
Organics	0.98m ²	6.15111-	
Bulky Goods	2.25m ²		
Total	5.89m²	6.15m ²	

Waste management would be overseen by building management.

4.6 Signage

Waste storage areas and bins would be clearly marked and signed with the industry standard signage approved, or equivalent, as illustrated in Figure 1.

Figure 1: Sustainability Victoria Signage

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Figure 2: City of Hobart FOGO Signage



4.7 Waste Collection

Waste would be collected by private contractor, as follows:

- One 1,100L garbage bin collected twice per week,
- One 1,100L comingled recycling bins collected twice per week, and
- One, 660L organic bin collected once per week
- 1. All waste bins would be stored on-site in the bin refuse area provided with in the site.
- 2. General waste collections would occur via nominally an 8.8m medium rigid vehicle.
- Waste collection vehicles would draw parallel to the kerb of Argyle Street and prop for collection (similar to CoH contractors)
- 4. Vehicle operators would ferry waste bins from the bin refuse area and return upon emptying.
- Waste collections would be performed at off peak hours (i.e. prior or post peak traffic flows) to ensure safe access and pedestrian safety.

Design Drawings

ARCHITECTURAL STATEMENT

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NEW TOWN ROAD APARTMENTS

156 Newtown Rd, Hobart

LXN Architecture & Consulting

October 2021

LXN

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PROJECT DESCRIPTION

The proposed development is located at 156 New Town Road (the site), on the Western side between Cross Street and Roope Street. The site neighbours the Former Methodist Church Parsonage to the North and the New Town Cat Clinic to the South.

The proposed development includes the demolition of existing structures and construction of a new three story mixed use building, accommodating; a basement carpark, communal courtyard, commercial tenancy and 19 residential apartments.

The inner urban suburb of New Town provides a high level of residential amenity and is conducive to infill projects of an increased residential density.

The design response to the site and client brief is summarised in the following moves:

- Reinstate a built edge to the street,
- · Pull back from the Former Methodist Parsonage and Church,
- Maximise the opportunity for natural light and ventilation to each apartment,
- Develop a material palette that is consistent with the New Town streetscape narrative; materials and colours.

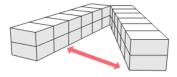
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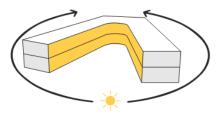
DESIGN APPROACH - SITE RESPONSE



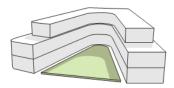
Traditional double stacked apartment plan.



The plan is opened in response to the wedge shaped site.



The floor plate is only one apartment deep, maximising opportunities for solar access and natural ventilation.



The negative space creates an opportunity for communal activities and landscaping and reduces the built edge against the neighbouring Heritage Buildings.

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DESIGN APPROACH - STREET SCAPE ANALYSIS

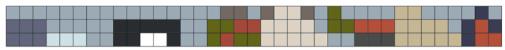
An study of the existing streetscape was undertaken, to analyse the predominant colours and building materials. This analysis informed the selection of the proposed materials and their composition.



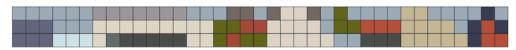
Streetscape analysis of materials and colours



Application of grid to facilitate colour study



Colour Study of Existing Condition



Proposed colour palette

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UDAP NOTES

(Aerial Image) Proposal

- Mixed use development
- Commercial tenancy with gym use
- 19 residential dwellings
- The existing building (circa 1970s will be removed), formerly a service station more recently laundromat and cafe
- Neighbouring buildings: are a combination of unit type housing, commercial shop fronts and State Heritage Listed Parsonage and Former Methodist Church

Site Approach & Brief

- The project brief was for a mixed use development
- residential and commercial
- Many options for the site were considered; terrace style townhouses, clusters of apartments
- Through this process of testing the site opportunities and constraints became apparent and the brief was also refined
- Single depth building
- Re-instating the street edge
- Taking advantage of the wedge shaped site allowed building to be opened up to the north to take advantage of solar access from two elevations and allow for natural ventilation within the dwellings
- The communal north-facing courtyard provides amenity to the residents and reinforces a sense of community

Landscape Plan

- Landscape plan reflects the conceptual response and will be developed in consultation with a specialist
- Essentially the focus has been on extending the street edge landscape that is provided by the church grounds
- Providing substantial screening plants to the residential neighbours
- Create a green space in the centre of the site that can be enjoyed by the community
- Hard landscaping is shown in a light coloured brick and a red brick and serves to provide legibility and identification for the residential vs the commercial access
- Ground floor dwellings have planter boxes at each apartment entry, signifying the front door and providing opportunity for personalised landscaping

Survey

- Ćirca 1m fall along New Town Road
- Site was previously built up to accommodate the building, resulted in substantial fill and level change in the North West corner

Site Plan

- Urban Mixed Use Zone
- Neighbouring residential zone to the north and west

- Secure basement carpark residents only
- 2-way access via ramp from New Town Road
- 12 bicycle parking spaces
- 2x motor cycle/ scooter parking spaces Secure access to all floors via the lift
- Access to the central courtyard via the stairs.

Ground Floor

- Mixed use building
- Commercial and residential access is clearly delineated
- A mix of housing options were desired; on-grade level access to townhouses, as well as apartment style
- non-negotiables were;
 - no walking past another person's window,
 - enclosed (weather protected) lobbies
 - light and ventilation and access to sunlight to all apartments where possible
- The mix of dwelling types provides options for a wide cross section of the community
- dwellings 1-5 are more of a townhouse style with level, on grade access via the courtyard and

LXN

landscaped outdoor space to the north.

- Dwellings 6, 7 and 8 are accessed via the courtyard and they function more like a 2-story 'walk-up',
- Dwellings 7 & 8 include a GF bedroom which could function as a study (work from home) or 3rd bedroom.

Level 1

- There are 10 dwellings on Level 1,
- Majority are 2-bed room apartments
- There is 1x1 bed apartment and 3x 3 bedroom apartments
- The lobby is weather protected and connects to the basement carpark via the lift

Level 2

- There 4 dwellings on Level 2
- 3x 3bed room and 1 x 2 bedroom
- The lobby is weather protected and connects to the basement carpark via the lift
 The building setbacks at apartment 16 pull back from the parsonage to preserve views to the Church
- The setbacks to the north and west for apartments 18 and 19 comply with the required setback to the residential zone

Elevations/3Ds

- The new town road frontage is a very only elevation
- The commercial frontage provides multiple access points, allowing alternate tenancy configurations and breaking up the frontage to a scale that is more compatible with the streetscape context
- On level 1 the brick facade is a homogenous material, articulated through a stepping of the facade which provides shadows and articulation.
- This subtle approach was preferred and is more consistent with the techniques employed in the brick, stone and rendered buildings within the context.
- The stepping roof form is intended to break down the linear form and provides a datum that aligns with church roof.

Material Palette

- The material palette has been developed in conjunction with heritage consultant Lucy Bourke-Smith
- The process of developing the palette involved a site and context walk and analysis of the building
- materials and colours in the surrounding commercial streetscape, this analysis was primarily to the south of the site in the existing civic/ commercial centre of New Town

Building Envelope

- The building sits within the required building envelope regarding building height and setbacks. There is a technical issue regarding the setback of the basement, triggering the performance criteria, however the building above basement level is compliant with the building setbacks and height and fits within the permitted building envelope

156 NTR

DEVELOPMENT APPLICATION



DRAWING	SCHEDULE
DA-01	COVER PAGE
DA-02	SITE SURVEY
DA-03	EXST. / DEMO PLAN
DA-04	PROPOSED SITE PLAN
DA-05	BASEMENT PLAN
DA-06	GROUND FLOOR PLAN
DA-07	LEVEL 1 FLOOR PLAN
DA-08	LEVEL 2 FLOOR PLAN
DA-09	ROOF PLAN
DA-10	LANDSCAPE PLAN
DA-11	ELEVATIONS
DA-12	ELEVATIONS
DA-13	SECTIONS
DA-14	SECTIONS
DA-15	BUILDING HEIGHT ENVELOPE - 15.4.1
DA-16	BUILDING SETBACK ENVELOPE - 15.4.2
DA-17	STREET ELEVATION
DA-18	MATERIAL PALETTE / STREETSCAPE ANALYSIS
DA-19	PHOTOMONTAGE SHEET 1
DA-20	PHOTOMONTAGE SHEET 2
DA-21	ROOPE ST - STREETSCAPE ELEVATION

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156 NTR

SITE 156 New Town Road CLIENT #Client Full Name PROJECT NUMBER
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156 NTR

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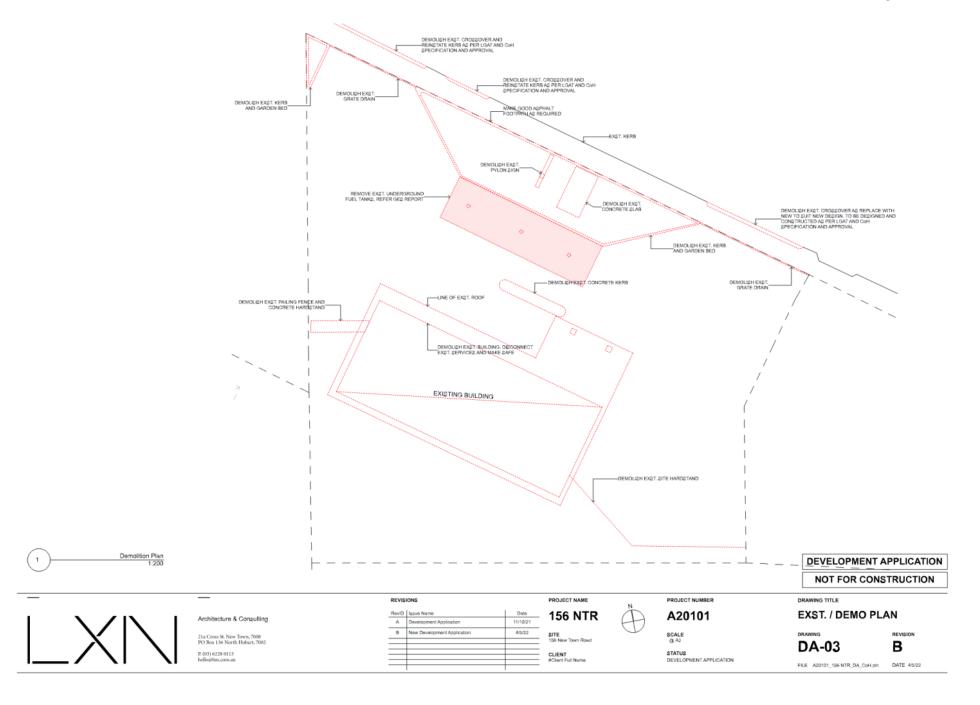
A20101 SITE SURVEY

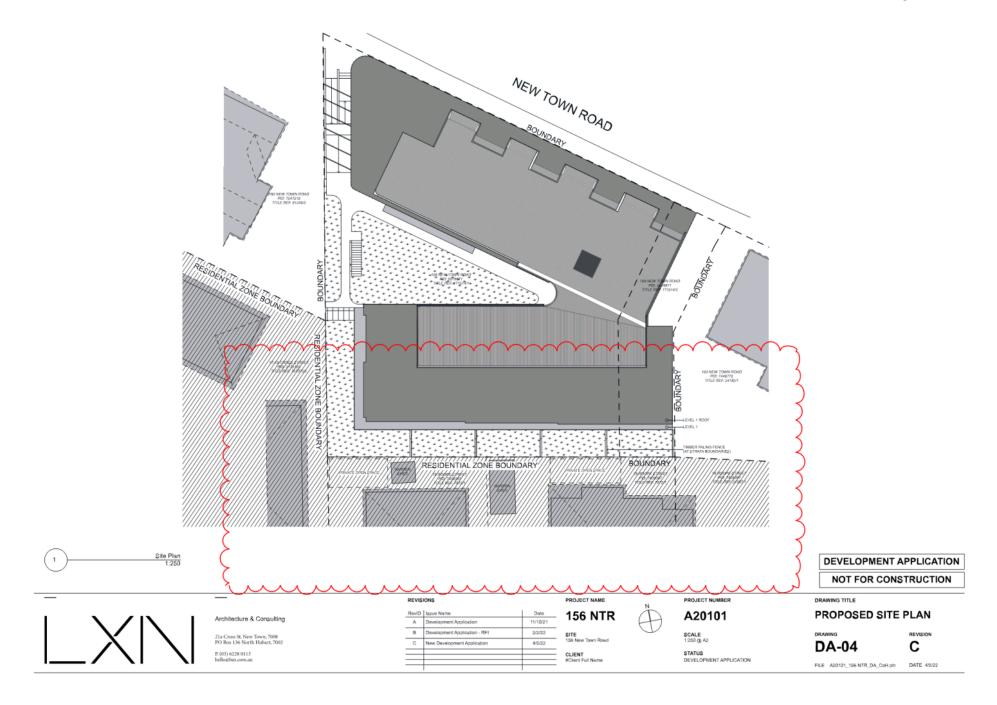
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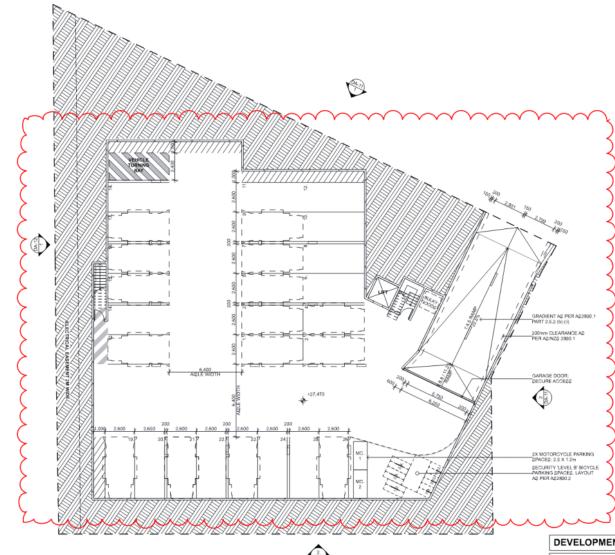
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156 NTR

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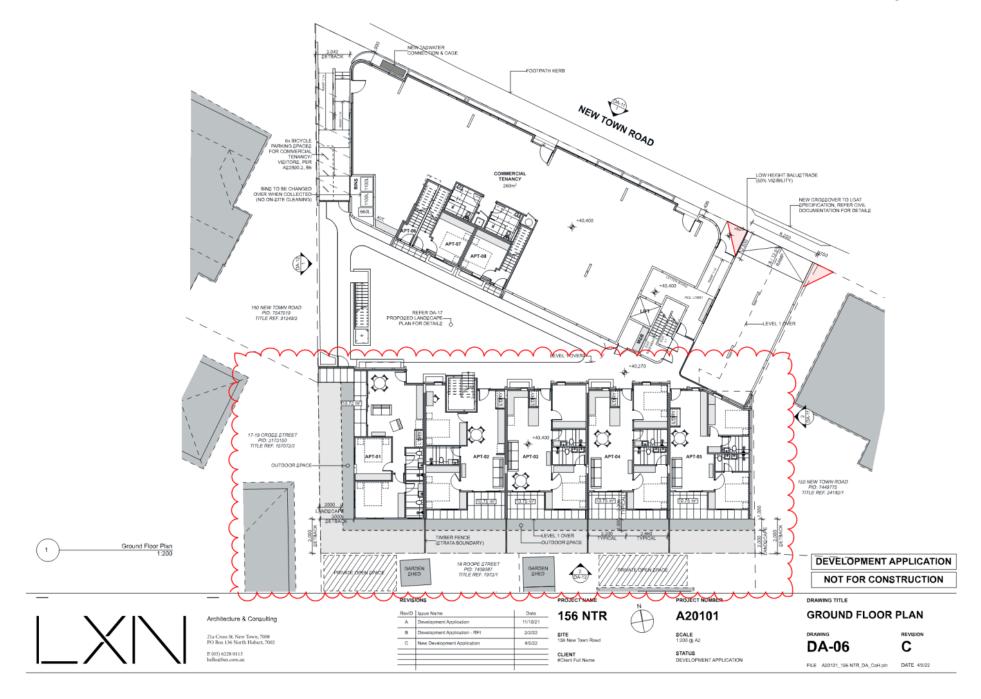
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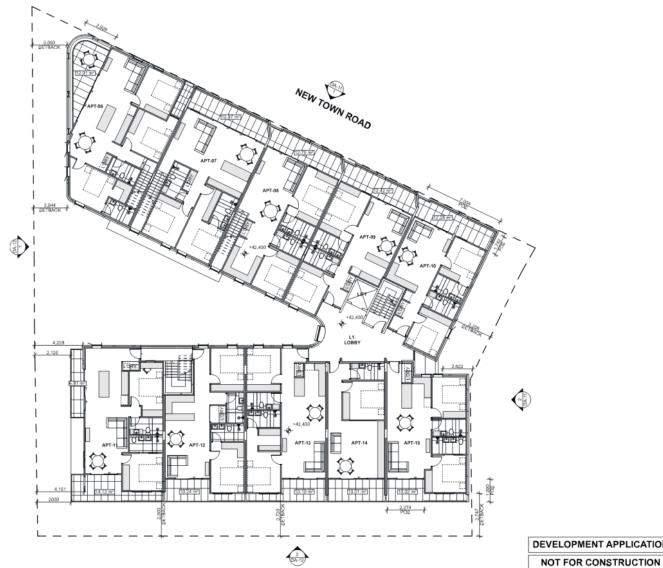
BASEMENT PLAN

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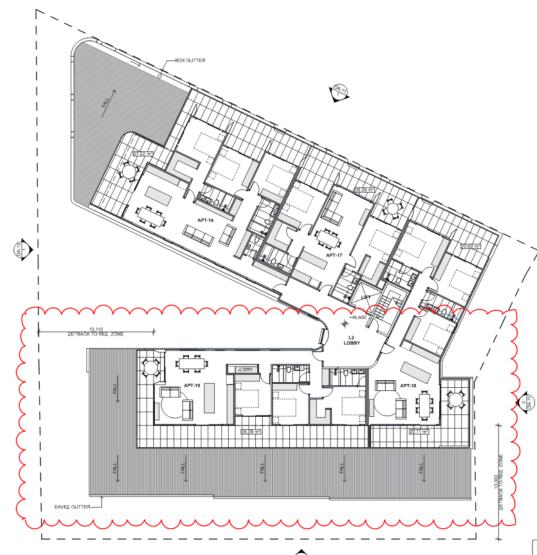
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LEVEL 1 FLOOR PLAN

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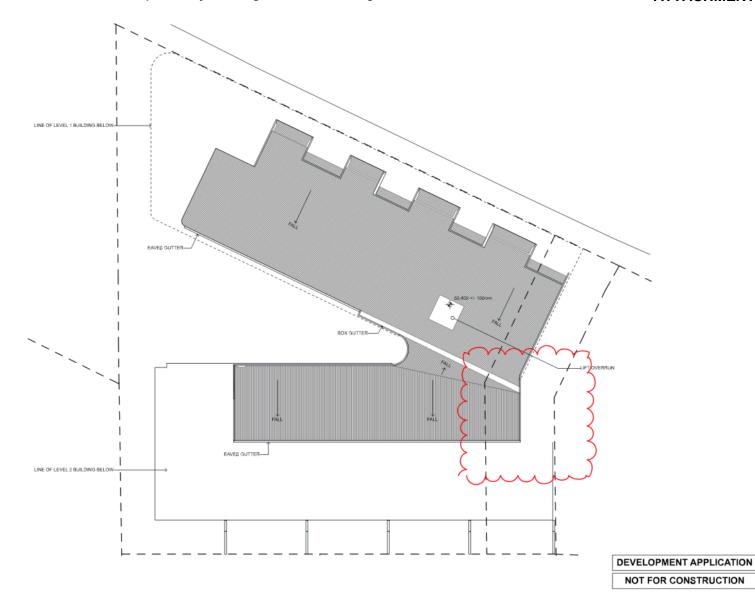
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LEVEL 2 FLOOR PLAN

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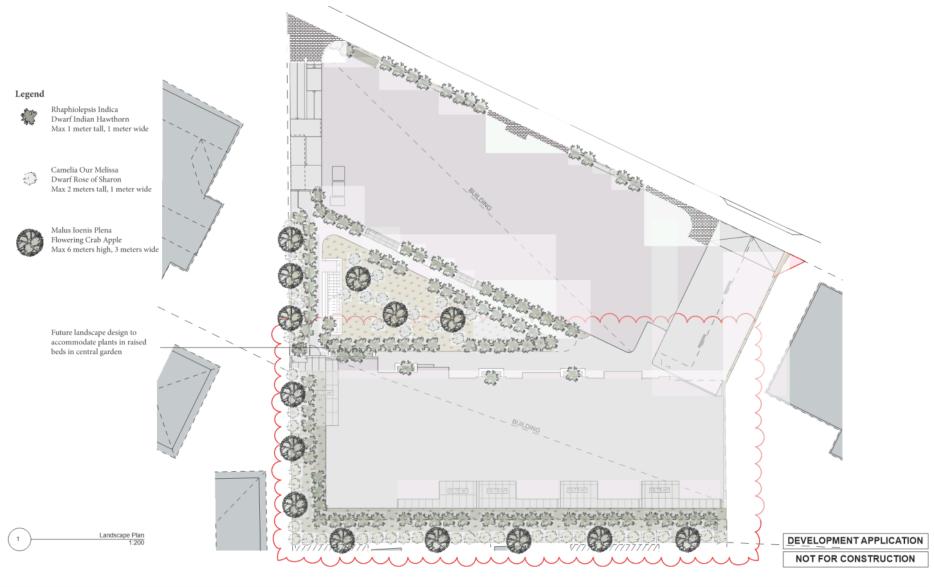
ROOF PLAN

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FILE A20101_156 NTR_DA_CoH.pln

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022





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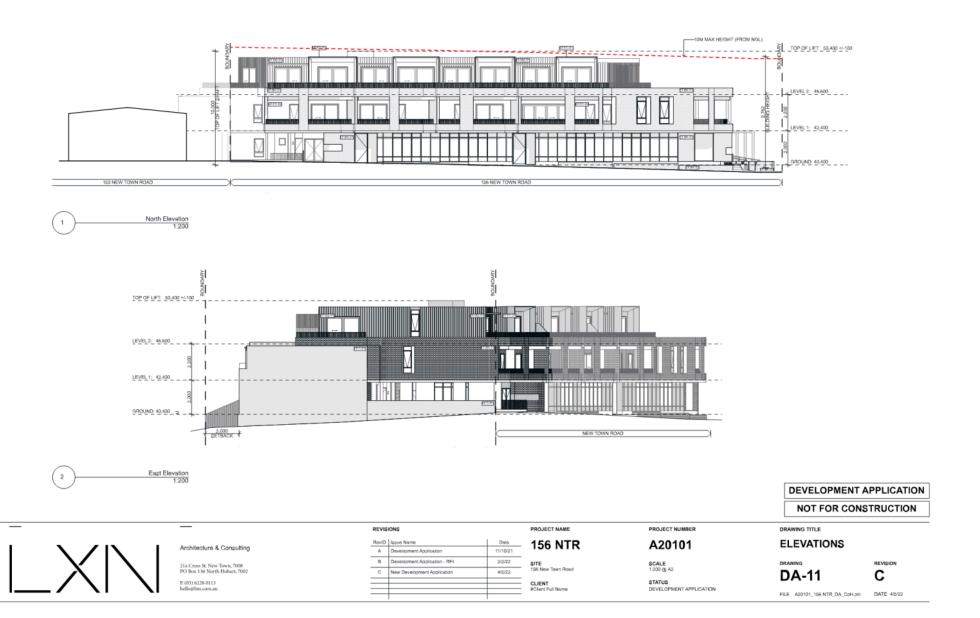
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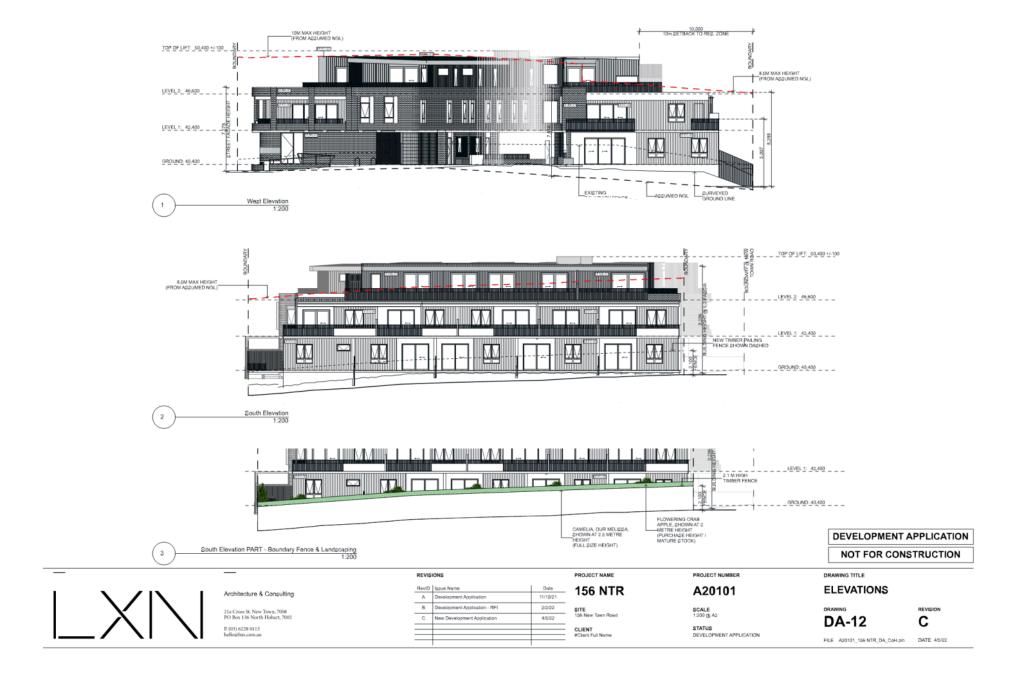
LANDSCAPE PLAN

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SECTIONS

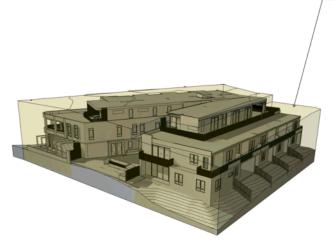
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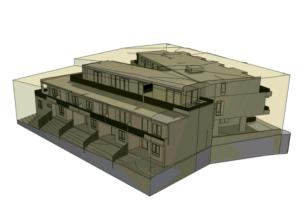
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Building Height Envelope - Assumed NGL - North East View

Building Height Envelope - Assumed NGL - North West

Building Height Envelope - Assumed NGL - South West

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156 NTR

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8.5M MAX. BUILDING HEIGHT TO ADJOINING RESIDENTIAL ZONE

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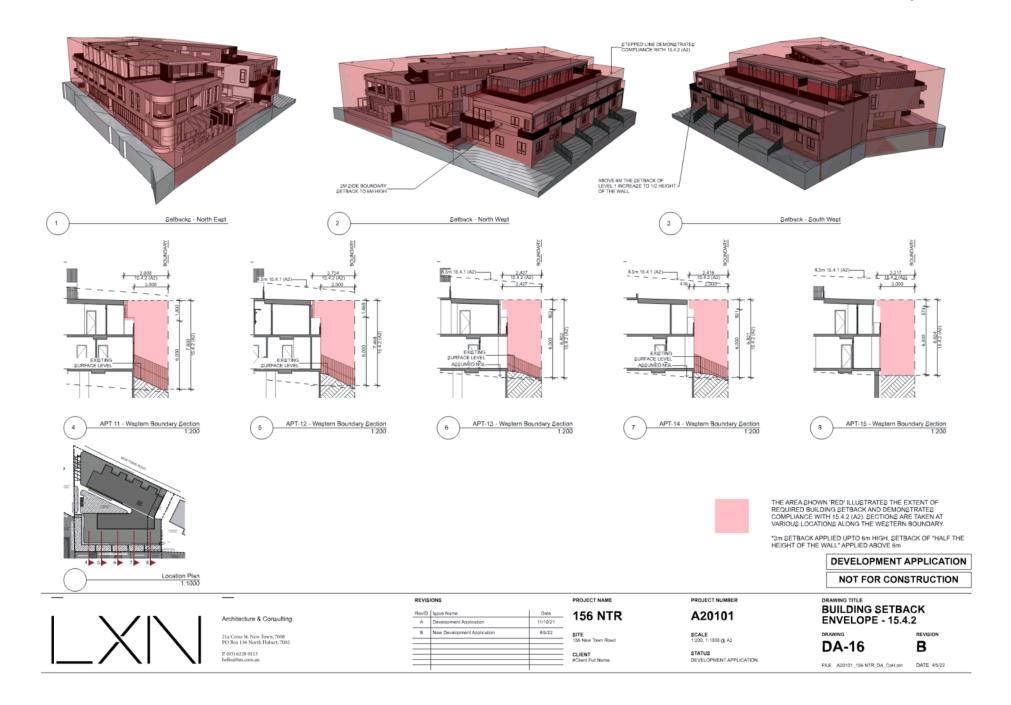
BUILDING HEIGHT **ENVELOPE - 15.4.1**

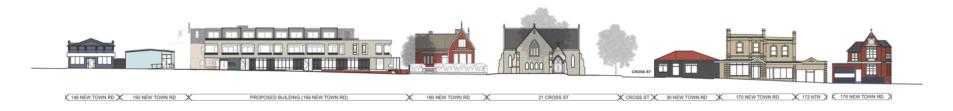
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1 New Town Road Street Elevation 1:500

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PROJECT NAME

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A20101 STREET ELEVATION

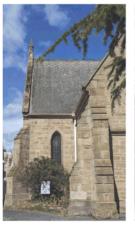
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Agenda (Open Portion) **Special City Planning Committee Meeting - 14/6/2022**

Streetscape Analysis











An analysis of the existing streetscape condition has informed the proposed material palette. The prominant buildings in the surrounding streetscape largely consist of red brick, rendered brick, or sandstone. Where render has been used the colouring is predominantly white, cream or beige, which compliments the sandstone of the (fmr.) Methodist Church. The use of 'Sand' coloured brick (featured at L1 of the proposal) references this colouring, by contrast the red brick planterbox which forms a plinth to the street edge and the red-brick paving makes reference to the use of 'Hobart Red' bricks.

Proposed Material Palette



EF.BK-01 Face Brickwork Mineral Contours, Colour: 'Sand'



EF.FC-02 Painted Cement Sheet: Axon 133, Smooth. Paint Colour: Dulux 'Snowy Mountains Half'



EF.AL-01 Powdercoated Aluminium Dulux Duralloy, Colour: 'White' Satin Finish



EF.MS-01 Prefinished metal sheet with ribbed profile, Colour: 'Woodland Grey'



EF.FC-01 Painted Cement Sheet: Axon 133, Smooth. Paint Colour: Dulux 'Woodland Grey'



EF.C-01 Precast Concrete Panel, natural, clear seal only



EF.BK-02 Face Brickwork Bowral Satin, Colour: 'Capitol Red'

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MATERIAL PALETTE / STREETSCAPE ANALYSIS

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New Town Road - Cross St. Intersection Looking South

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PHOTOMONTAGE SHEET 1

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New Town Road - Looking North

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PHOTOMONTAGE SHEET 2

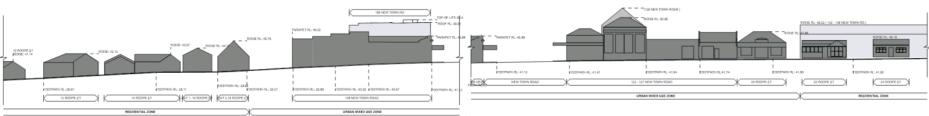
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Streetscape Elevation prepared using height data provided by PDA Surveyors: Survey Drawing 48747MD-1 & Elevation Markup' Dated 171/22021. Relative Levils (RL) where shown on the elevationa are taken from the PDA survey data, this data was combined with streetscape photos to assist with the preparation of the street elevations.











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PROJECT NAME PROJECT NUMBER

156 NTR A20101

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156 New Town Road

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#Client Full Name (§ A2

ROOPE ST EAST - STREETSCAPE ELEVATION 1:500

NUMBER DRAWING TITLE ROOPE ST - STREETSCAPE ELEVATION

DA-21 REVISION B

FILE A20101_156 NTR_DA_COH.pin DATE 4/5/22

Application Referral Cultural Heritage - Response

From:	Megan Baynes
Recommendation:	Proposal is acceptable subject to conditions.
Date Completed:	
Address:	156 NEW TOWN ROAD, NEW TOWN
Proposal:	Demolition, Subdivision (Lot Consolidation), and New Building for 19 Multiple Dwellings and Fitness Centre (Sports and Recreation)
Application No:	PLN-22-272
Assessment Officer:	Adam Smee,

Referral Officer comments:

Background/Description:

156 New Town Road is located in New Town 4 Heritage Precinct which is noted as significant for the reasons including:

- 1. It contains examples of Georgian, Victorian and Federation commercial and residential buildings that illustrate the growth of the area as a local service centre along a historically early main arterial road and transport route.
- 2. It contains individual high quality examples of architectural styles in a streetscape that is eclectic in form and scale.
- 3. The residences in close proximity to the main road contribute to an understanding of the historical pattern of its development and the tendency to reside in close proximity to commercial and community facilities.

As the name suggests, New Town was where wealthy people built a 'new town' away from Hobart Town at Sullivan's Cove which, with its convict activities and early industrial activity associated with the Hobart Rivulet, was considered to be a less than desirable address in the late 19th century.

The former Church (1866), Parsonage, Post Office (1891) and the old Town Hall (1897) are all now adapted for other uses. These buildings and many of the houses in the precinct provide a sense of the late 19th century/early 20th century public, domestic and commercial character and activity along this high street.

The property at 156 New Town Road was once the location of Rose Cottage, demolished in 1962 for a service station. The service station was decommissioned in about 1980. The subject site is currently 'a missing tooth' in the streetscape, as a mid 20th century building with hard stand to the front without soft landscaping. As is often the case, the demolition of a period house has weakened the spatial structure of the streetscape but presents an opportunity for development without the constraint of existing significant heritage assists on site.

The precinct extends across New Town Road and through adjacent streets, including Roope Street.

The subject site sits on rising land on a curving road and this means that development would be seen obliquely, particularly from the north and south.

Agenda (Open Portion) Special City Planning Committee Meeting - 14/6/2022

The discretions are demolition and works and subdivision (lot consolidation) in a heritage precinct.

Assessment Provisions:

The following provisions apply:

E13.8.1 Demolition

Objective: To ensure that demolition in whole or in part of buildings or works within a heritage precinct does not result in the loss of historic cultural heritage values unless there are exceptional circumstances.

Clause E13.8.1 P1 states:

Demolition must not result in the loss of any of the following:

- (a) buildings or works that contribute to the historic cultural heritage significance of the precinct;
- (b) fabric or landscape elements, including plants, trees, fences, paths, outbuildings and other items, that contribute to the historic cultural heritage significance of the precinct; unless all of the following apply;
- (i) there are, environmental, social, economic or safety reasons of greater value to the community than the historic cultural heritage values of the place;
- (ii) there are no prudent or feasible alternatives;
- (iii) opportunity is created for a replacement building that will be more complementary to the heritage values of the precinct.

E13.8.2 Buildings and Works other than Demolition

Objective: To ensure that development undertaken within a heritage precinct is sympathetic to the character of the precinct.

Clause E13.8.2 P1 states:

Design and siting of buildings and works must not result in detriment to the historic cultural heritage significance of the precinct, as listed in Table E13.2.

E13.8.3 Subdivision

Objective: To ensure that subdivision within a Heritage Precinct is consistent with historic patterns of development and does not create potential for future incompatible development.

Clause E13.8.3 P1 states:

Subdivision must not result in any of the following:

- (a) detriment to the historic cultural heritage significance of the precinct, as listed in Table E13.2:
- (b) a pattern of subdivision unsympathetic to the historic cultural heritage significance of the precinct;
- (c) potential for a confused understanding of the development of the precinct;
- (d) an increased likelihood of future development that is incompatible with the historic cultural heritage significance of the precinct.

Representations:

Council has received four representations in opposition to the development. One representation raises heritage as a concern. The issue of blocking and dominating views of significant historic buildings in a heritage streetscape is an articulated concern:

"The heritage assessment prepared by Purcell submitted as part of documentation for this proposal does not identify the significant impact of the proposal on the heritage streetscape created by the Old Parsonage and Cross Street Church at this location"

"The significance of this key heritage streetscape has been missed by the Purcell Heritage Assessment"

"To reduce these impact we propose that the application be conditioned to require the reduction and redesign of the north-western corner of the building to reduce the impact on the visibility of the Old Parsonage and Cross Street Church"

The representor has nominated a potential condition to assuage concerns, but the proposed condition (to redesign the northern end of the proposed development) is beyond the scope of what can legally be imposed.

Representations also raise the issue of the potential for damage to an adjacent garden in a heritage precinct. The removal of vegetation is not being proposed, but the impact of the proposed construction project on trees in the front garden of the adjacent former Parsonage is the concern. It may be possible to place advice for tree protection to safeguard trees both during and after construction.

Assessment:

The 1960s service station building and associated hard landscaping at 156 New Town Road is proposed to be demolished. The site does not contain any buildings or works that possess historic cultural heritage value as defined in the statements of significance in Table E 13.2. The loss of historic heritage values is not anticipated as a function of the proposed demolition. Clause E13.8.1 P1 is satisfied.

The applicant has commissioned an architect to prepare a design in response to the various regulated stipulations. The design appears to be a low risk strategy where planning discretions have been minimised.

The applicant is proposing a 2-3 storey building to be sited close to the street edge. The height of the proposed development would likely sit comfortably within the range of heights of existing buildings when viewed from New Town Road.

The setback of the proposed development would be minimal, approximately 0.5m and this appears to less generous than the historic setbacks on this side of New Town Road.

The adjacent former Parsonage and Church are set back 7.5m and 10m respectively and have gardens around them. They have archetypal Victorian era ecclesiastical details such as steeply pitched roofs and details including finials.

The heritage consultant has linked significant cultural heritage values with adjacent commercial and residential development, although this is questioned. A non-heritage building at 152 New Town has a 1.3m setback. The shop on the corner at 148 New Town Road has a 0m setback. The siting of proposed development is purported to acceptable because it abides by commercial setbacks such as the buildings at 148 and 152 New Town Road and beyond.

Significant heritage listed buildings are in the vicinity, including the former Church (c1866) and associated former Parsonage (Victorian era). The consultant's submission contains an aerial photograph from 1957 (Page 55 Appendix 4) which demonstrates how historically this part of New Town Road has been characterised by setbacks manifested as gardens.

As was previously noted, the garden at 156 New Town Road was demolished in 1962 and there is no requirement in the Historic Heritage Code to reinstate lost landscaping or garden.

The cultural heritage significance of Heritage Precinct New Town 4 is linked to the area being a late 19th century and early 20th century town centre along a main road. Various period buildings contribute to this this, but it is above all an urban ensemble, along a high street, a key transport route, surrounded by residential development. As such, buildings are the physical fabric which demonstrate what was of use and value to the local community.

For example, the former Church and Parsonage demonstrated the value placed by a Georgian and Victorian era community upon religion. The former Post Office was critical communications infrastructure in its day. The former Town Hall was the municipal seat of power and administration. Pubs and shops provided groceries and food & drink for locals and visitors. The things that the community needed or desired where available in this part of New Town Road. There has been a degree of visual change, the demolition of period buildings, the introduction of telegraphs and power poles and the introduction and removal of trams for example. The streetscape is robust and has evolved, rather than being completely static. Key period buildings have endured.

The Historic Heritage Code states that the design and siting of buildings within a heritage precinct 'must not result in detriment'. The primary visual experience of the precinct is from New Town Road. When doing so views are available of historic facades.

Streetscape views will no doubt change as a function of the proposed development.

Detriment means 'loss, damage, or injury'. Assuming that historic buildings endure in place, it is difficult to assert that significant cultural heritage values as described in the above statements of significance will be lost, damaged or injured.

The former Parsonage will appear 'hemmed in' by the proposed development, but because the actual removal of period buildings or landscapes is not being proposed, significant historic values are unlikely to be forgone.

The proposed development would be approximately the 'right' height to match the scale of existing buildings (at least those that can be considered in this statutory context – which means those visible from public spaces in the context of assessment at a heritage precinct). The former Town Hall at 139 New Town Road would exceed the height of proposed development.

The siting of the proposed development may fail to provide a dignified or respectful contextual setting for its historic neighbour, the former Parsonage, but there is no statutory requirement to do so. There are no adjacency clauses in relation to heritage listed places in this area in the *Hobart Interim Planning Scheme 2015*. Rather development 'must not result in detriment'. The placement of new things next to old things does not, in itself, equate to detriment. In fact, arguably, difference heightens appreciation of historic character by virtue of providing contrast.

Critically, the statement of significance use the word 'eclectic'. This means a broad or wide. Diversity and variety are implied (as opposed to consistency, for example).

The heritage consultant report states that the architect's response to the adjacent Parsonage was to create a wedge shaped landscaped courtyard internal to the block. However, this courtyard will only be marginally visible from public space in the precinct and so would not have impacts, negative or positive, in the heritage streetscape.

It must be acknowledged that the former service station and associated hard landscaping fails to provide a dignified setting for the former Parsonage.

This returns us to the notion of detriment. Will the streetscape be diminished as a function of proposed development? Landscapes and planting can potentially contribute to cultural heritage significance. The gardens of the former Parsonage and Church are not listed specifically in Table E 13.1 and are not identified as Significant Trees in Table E 24.1. Front gardens are not identified in the statements of significance for NT 4. The Historic Heritage Code does not identify these gardens as being of historic heritage value.

The proposed 2-3 level development would be further from the former Parsonage, than the

space between the former Parsonage and the former Church. These distances have been measured as being approximately 8m and 2-3m respectively.

The bulk of proposed development would mean that the former Church and Parsonage would be less visible from certain footpaths and roadways in the precinct (from the south) however the former Parsonage and Church would remain visually available from New Town Road, albeit more acutely than is currently the case.

The siting and design of the proposed development, close to the street edge, is likely to be seen in the context of views of the historic streetscape (when viewed from the north).

The subdued tones of materials proposed would likely result in the proposed building appearing bland (visually recessive) relative to the visual complexity of historic facades which include the warm and rich tones of unpainted brickwork/stonework with intricate period details (which would remain visually prominent).

The advertised information contains some ambiguity in relation to primary façade design. The ground floor elevation is shown in some montages as a sandy coloured brick veneer and in other as glossy dark green tiles. The extent of glazing to solid ground floor façade is unclear. It is possible to place a condition should a permit be issued for colours and finishes to be resolved and clarified.

The decision to site a building forward of adjacent historic setbacks, and its sheer size, means that the proposed development would inevitably be clearly visible. In a heritage precinct described as eclectic, a 2-3 storey building sited approximately 0.5m from the street edge is likely to have an acceptable visual impact and the proposed building would be demonstrative of this period (2022).

That the architects have chosen to express the façade as a single horizontal entity ensures that the proposed development will not be confused with period buildings in the historic streetscape.

Siting and design choices are logical and sensible rather than inspired, but are unlikely to result in detriment to the historic cultural heritage significance of the precinct. Extant period buildings would endure and continue to be able to be viewed from public spaces in New Town Road providing high quality examples of their respective architectural periods.

E13.8.2 P1 is satisfied.

The consultant heritage report does not make reference to the subdivision (lot consolidation) provisions in relation to a Heritage Precinct. The proposed development triggers a land adhesion order to re-adhere a small area of land (now used as a carpark) which was created in the 1960s. The original lot of the now demolished Rose Cottage is thus being reformed. Therefore, the proposed subdivision (lot consolidation) would be consistent with historic patterns of development.

Clause E13.8.3 P1 (a)-(d) is satisfied.

Summary:

The proposal is for a 2-3 storey mixed use infill development on the site of a former service station in a historic local centre which is located within a heritage precinct.

The consultant's report asserts that the cultural heritage significance of the precinct is linked to period commercial and residential buildings and that the setback of proposed development would be consistent with nearby commercial and residential setbacks and therefore the visual impact of development would be acceptable in the precinct.

A representor asserts that the cultural heritage significance of the precinct is linked to views of a particular cluster of period buildings including a Georgian era Church, a Victorian era Parsonage and a Federation era Post Office. The median setback of nearby heritage listed buildings is greater than that which is being proposed. It is asserted that the visual impact would be unacceptable. The representor contends that views and settings of historic buildings would be compromised.

The cultural heritage significance for this Heritage Precinct includes references to period commercial and residential buildings <u>and</u> high quality examples of a range of architectural styles (which would include former public and ecclesiastical buildings). Gardens are not mentioned in the statements of significance for the precinct. The collection of period buildings strung along a local service centre on an early arterial route are the key heritage assets.

The demolition of Georgian, Victorian or Federation era buildings is not being proposed. The height of proposed development would not that exceed that of nearby historic buildings.

The Historic Heritage Code requires that development does not result in detriment to the stated significant cultural heritage values.

The use of the term 'eclectic' implies a wide range or diversity, rather than an expectation of conformity in relation to siting and design.

The proposed development will appear to be a new element in the streetscape. The proposed siting and design is unlikely to result in detriment to the historic cultural heritage significance of the precinct as defined in Table E 13.2 of the Historic Heritage Code of the *Hobart Interim Planning Scheme 2015*.

The proposed development satisfies E13.8.1 P1, (Demolition) E13.8.2 P1 (Buildings and Works) and E13.8.3 (a-d) (Subdivision) of the Historic Heritage Code of the Scheme. Advice and a condition in relation to tree protection and colours & finishes respectively is required.

MB CHO 11 04 2022

Reviewed SW SCHO 12 April 2022

URBAN DESIGN ADVISORY PANEL

REPORT FROM THE MEETING OF THE URBAN DESIGN ADVISORY PANEL HELD AT 1:00 PM ON TUESDAY 29 MARCH 2022 IN THE LADY OSBORNE ROOM

156 NEW TOWN ROAD - PLN-21-718

Attending: Josh Crossin – LXN Architecture

Sarah Lindsay - LXN Architecture

Megan Gale - Renewal Developments Pty Ltd

The Panel met to discuss the proposal in detail and the below report is a summary of the Panel's views and is provided for the consideration of the proponents and officers.

Description:

The proposal is to demolish the existing building on the site and to construct a new building that would potentially contain a fitness centre and 19 multiple dwellings. The new building would have three storeys and a basement. Car parking and storage is proposed in the basement. The fitness centre would be on the part of the ground floor of the building fronting onto New Town Road. The proposed apartment style dwellings would occupy the remaining parts of the development. The proposed building would have a maximum height of 10m and a total floor area of 2938m². Proposed external materials include face brickwork (sand and red), painted cement sheet (grey and light grey), powder-coated aluminium (white), prefinished metal sheet (grey), and precast concrete (natural finish).

Panel Report:

The Panel noted that 156 New Town Road – PLN-21-718 is a lodged planning application currently on public advertising. The following comments will be included in the Development Appraisal Planner's report.

The Panel support the development's intent to provide a variety of dwelling types but were concerned regarding the impact of the proposed development on residents of the neighbouring properties to the south. The proposal will present an overbearing presence, and overlook and overshadow these properties. The Panel felt the development was trying to put too much yield on the site, compounded by the approach to open up the space between apartments facing to New Town Road and to the south. Where the application has tried to meet development standards, and at times has not achieved compliance, it does so by failing to address the impact on the amenity of the neighbouring properties to the south. The Panel would also have

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preferred to see a long section from the New Town Road side that included the neighbouring properties to the south, and feel that the application suffers from the lack of that information.

The Panel noted that the existing fence on the southern side will be retained, up to which there will be a steep bank and then private open space for units. The Panel had concerns with the resident's amenity of the south-facing recessed private open spaces, though noted the proponent's comment these would have views to kunanyi/Mount Wellington. The steep bank area, nominated by the proponents as a planted services corridor (to be managed by the body corporate?) should be a nuanced pleasant vegetated outlook that is well maintained and a positive contribution for residents' of the new development and all neighbours – balancing visual privacy, views to the mountain and summer western sun.

The proposal has created a courtyard space between New Town Road and south facing apartments, to achieve sunlight in to living spaces. The Panel questioned this interpretation and do not believe many apartments achieve this. The Panel noted that in winter, the courtyard will be in shade the whole day. The quality of the courtyard space is also questionable with bedrooms overlooking and close to passing residents. The applicant advised that the landscape design is at a conceptual stage, but the courtyard has an area that can achieve deep planting and a design will be chosen that can work for the whole year.

The Panel were concerned about the impact of the building on the streetscape. The design presents a uniform long building to the street edge that in the opinion of the Panel is not sympathetic with the character of this area. The Panel questioned if further modulation in the streetscape to creating stepping within the design, had been explored. They felt that modulation to the street frontage and street-edge detail were critical. In terms of the issues of the street modulation, the decision to make a linear building doesn't help. The Panel were also concerned with the design-approach to pixelate the streetscape to inform the composition and colour of the street façade, noting the streetscape context should also have regard to material, detail, form that is not considered in such a stylized approach to the façade.

The Panel was also concerned with the public edge to the street including the window finish to the commercial tenancy. It was noted there was no awning to the commercial frontage, typical to the precinct. To reinforce the commercial character of ground floor activities in the precinct, the panel would like to see a condition on any potential permit

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that the glazing remained clear and not opaque or treated with vinyl, to maintain visibility between outside and inside.

The use of planters along New Town Road would require vegetation that is more substantial than the anticipated low plants suggested in the application. The Panel would be looking for an approach to planting that is compatible to the adjacent church building precinct.

The Panel also felt that the new cross-over and steep driveway would change the character of the footpath and public edge, though recognise there is limited scope for its placement.

Overall the Panel recognised that whilst the application is a DA review, they would like to have seen it as a pre-application. The Panel felt that whilst the proponents had sought to make design decisions to address the 'deemed to satisfy' provisions, development does fail to achieve some provisions in the view of the Panel, and the proposal presented shortcomings in terms of overlooking and overshadowing to adjacent dwellings. Though it is noted that had the proposal achieved the minimum required setback to the south boundary, the overshadowing impact would not be mitigated. The Panel also questioned the amenity to the south-facing apartments and were concerned about the impact of the building's long facade on the streetscape in relation to the streetscape and adjoining properties (such as the church grounds) and the street-level relationship between public and proposed commercial use(s).