

# Curtin University Perth Campus

## External Pit Lid Guidelines

23/08/2021

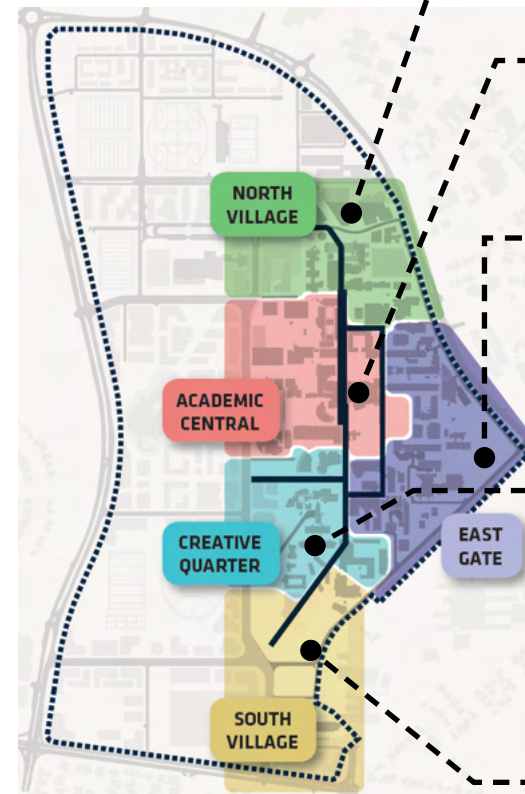
As part of the Curtin University Perth Campus wide pit lid assessment, a representative from PF&D Planning was requested to provide high level feedback on what satisfactory and unsatisfactory pit lids look like.

This unofficial document may be referred to, along with all other relevant guidelines and standards, when specifying or replacing a pit lid to understand the expectations of what pit lids should look like depending on their Precinct context.

Across the Campus, any new pit lids:

- Must be flush with the level of the surrounding area
- Must be heel safe
- Must have a slip resistant classification as per Australian Standards
- Must be class D load rated as per Australian Standards
- Must not have raised labels

### Curtin Master Plan Zones



**North Village** - North Village is the gateway to Stage One of the Greater Curtin Masterplan, which will deliver student accommodation, residential and short-stay apartments, commercial and incubator office space, retail amenity, and recreational opportunities to complement the existing Curtin Stadium and sports fields.

**Academic Central** - The key cluster of Curtin's culturally significant and iconic buildings, at the heart of the University, have been enhanced and repurposed to create a vibrant new hub for the Curtin Community.

**East Gate** - East Gate will establish a distinctive and strengthened gateway to the university on Hayman Road, and provide a point of orientation, drop-off and pick-up, for students and the public at the eastern extent of the Curtin Common; the central park that extends a green link through the heart of the university and Greater Curtin.

**Creative Quarter** - Define the western extent of Rob Riley Walk, with a new university building, fronting onto the Beazley Avenue of Greater Curtin. The location of this facility, next to the John Curtin Gallery and adjacent to the Centre for Aboriginal Studies, and two of the university's key lecture theatres, consolidates and strengthens the identity of an area focused on and supporting the arts and the broader Curtin Community.

**South Village** - South Village is the least developed precinct of the Academic Heart. It is a point of overlap with the Living Stream, and forms part of a biodiversity corridor through Clontarf College to the Swan River.



## North Village

- Exchange Precinct - new landscape & urban realm
- Bus Interchange
- Neighbouring Curtin Stadium - large foot & vehicular traffic
- Wesfarmers Zone - Consideration of the new type of paving materials used near the Wesfarmers Quarter



## Academic Central

- Pit lids on Sir Charles Court Promenade must have brick infill to ensure the continuation of the significant heritage aesthetic of the promenade
- High vehicular and foot traffic
- New library landscape design



The above images are existing pit lids within the North Village Precinct that are considered appropriate to the precinct for the following reasons;

- Continuation of surrounding surface type and pattern.
- Continuation of new paving type & pattern blends the lid in to the surrounding surface.



The above images are existing pit lids within the Academic Central Precinct that are considered appropriate to the precinct for the following reasons;

- Continuation of surrounding surface type and pattern.
- Pit lids are aligned neatly off the pathway.
- Sufficient border around lid enables easier removal & replacement.



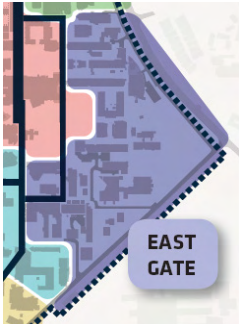
Examples of pit lids not consistent with the precinct:

- Concrete border doesn't match surrounding surface.
- Lid encroaches in to grassed area.
- Pit lid in landscape area covered in plants.
- Grate is a potential slip & trip hazard.
- Pit lids are misaligned and doesn't match surrounding surface.



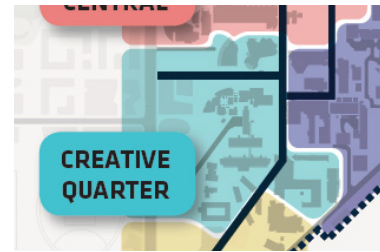
Examples of pit lids not consistent with the precinct:

- In poor condition.
- Inconsistent paving pattern.
- Unsuitable type of lid for location (e.g. leaves can get in to the pit).
- Material of pit lid doesn't match the surrounding surface.



## East Gate

- Future development
- Several BOH entries to service buildings (e.g. deliveries, maintenance) require vehicular access
- Precinct aesthetics not well defined.



## Creative Quarter

- Sir Charles Court Promenade
- Design & Arts Precinct aesthetics
- New paving types and patterns have been introduced in the precinct to differentiate the precinct from the Academic Central.



Issues with the above images;

- Lid & border doesn't match the surrounding surface.
- Several pit lids are located in the grassed areas which make the landscape an unattractive and unusable space.
- Lids trap water and become potential slip hazard.
- Raised planters in main thoroughfare areas.



Examples of pit lids not consistent with the precinct:

- Continuation of surrounding surface type and pattern.
- If the existing surface type isn't available, there has been an attempt to colour match the lid infill to the existing surface.
- Neat alignment to the existing brick border.



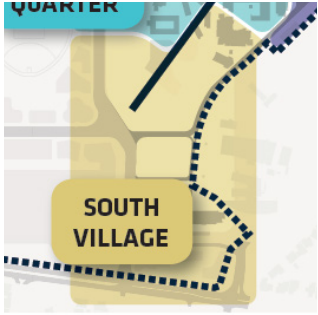
The above images are existing pit lids within the Creative Quarter Precinct that are considered appropriate to the precinct for the following reasons;

- Snakes & Ladders decal aligns with the playful nature of the precinct
- Continuation of surrounding surface type and pattern.
- Continuation of new paving type & pattern blends the lid in to the surrounding surface.



Examples of pit lids not consistent with the precinct:

- Lid is raised higher than the surrounding surface.
- Metal grate lids are potential slip hazard when wet.
- Holes in lid are potential trip hazard.



## South Village

- Future development
- Several BOH entries to service buildings (e.g. deliveries, maintenance) require vehicular access
- Mixture of brick paving, concrete and bitumen
- Precinct aesthetics not well defined



The above images are existing pit lids within the South Village Precinct that are considered appropriate to the precinct for the following reasons;

- Multiple lids neatly aligned (although blue colour is not preferred).
- Locate large pit lids off pathways with appropriate lid type to ensure leaves/debris can't enter the lid. Ensure landscape doesn't grow over the lid.
- Locate metal lids off pathways as they are a slip hazard when wet.
- Lid is cut neatly in to the paving & follows paving direction.



Examples of pit lids not consistent with the precinct:

- Metal lid doesn't match the surrounding surface.
- Concrete border doesn't match the surrounding surface.
- Overpour of concrete doesn't match surrounding surface.
- Lids are in main thoroughfares and look unsightly.