

## <u>City of Yarra's Detailed Vehicle Crossing Design Requirements &</u> <u>Checklists</u>

- "What are the Standard requirements that Council assess against"
  - Suitable for pedestrians to traverse: For DDA compliance, footpath cross-falls must be a maximum grade of 1:40 (minimum of 1:60) for a minimum footpath width of 1.2 metres from the property line.
  - **Vehicle can use without scraping:** All crossovers must be in accordance with AS2890.1:2004's vehicle ground clearance requirements
    - For 1-2 unit dwellings compliance with a B85 design vehicle is required
    - For 3+ units/multi-storey developments compliance with a B99 design vehicle is required.
    - Note: the clearance of the B85/B99 design vehicle should be demonstrated by showing the template overlayed on submitted design cross-sections.
  - o Council will not accept the following proposals for vehicle crossing designs
    - Culvert Crossings
    - Kerb Ramps or Steel Plates of any form
    - Significant adjustments of kerb, channel and road infrastructure to suit the proposed crossover
    - Drainage & service pits within the crossover area
    - Other service pit lids that are not rated for vehicle loading
  - The proposed vehicle crossing design must be considered in conjunction with setting the internal floor level to ensure appropriate tie into existing infrastructure can be achieved
  - Location of Council assets including drainage infrastructure, speed humps and utility services in proximity to crossing
  - How to achieve appropriate match in with adjacent footpath areas either side of the crossing

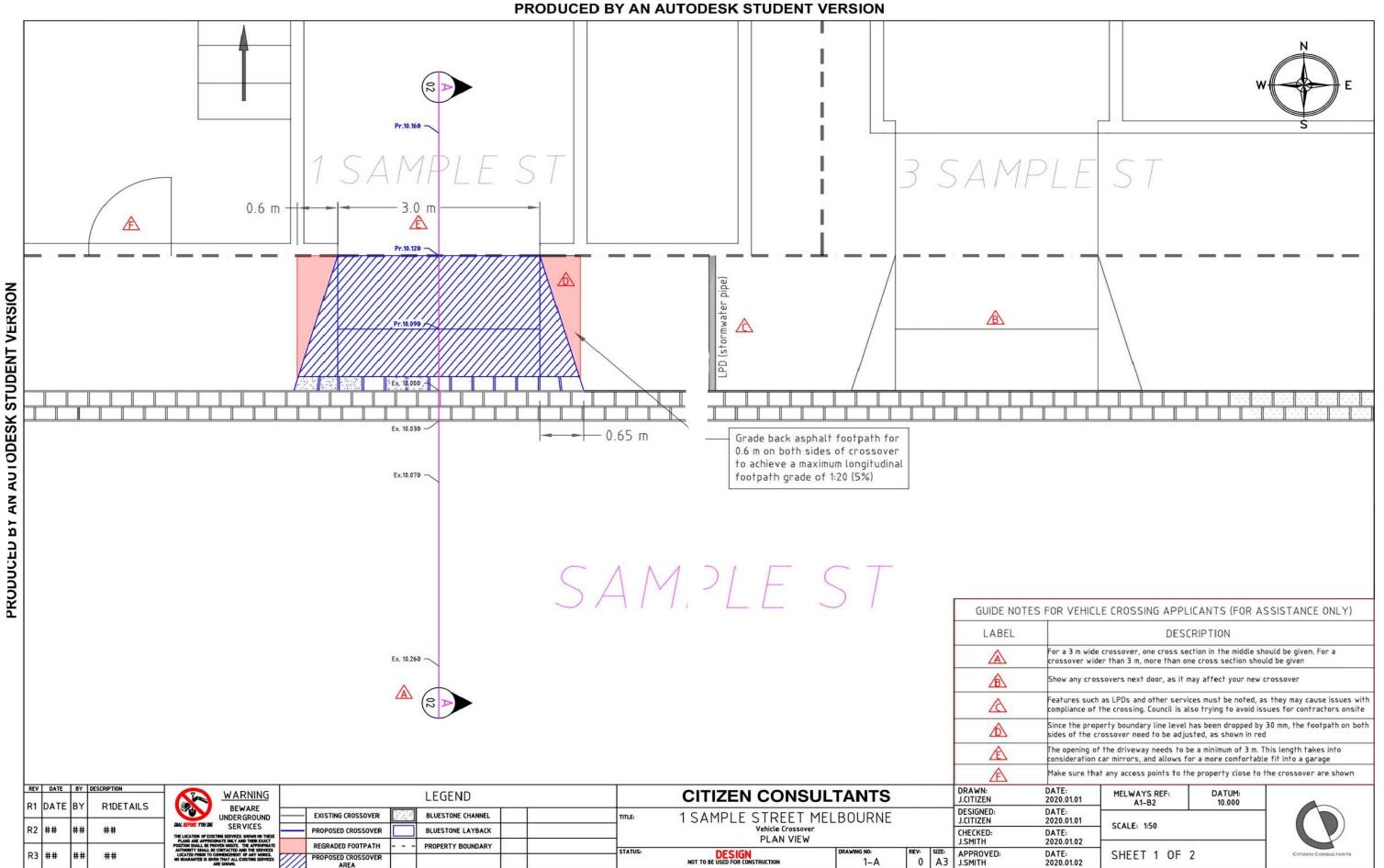


## 1.1 Planning Stage Checklist

Item	Info Required	Provided?	Notes
1	Detailed level survey of the site conducted by qualified surveyor		N/A
2	Existing & Proposed Plan View of Site		Details existing infrastructure surrounding the crossing (pits, LPDs, trees etc) and crossing layout
3	Indicative 1:20 scale cross-sectional crossover design		Must incorporate all levels as per Vehicle Crossing Information Sheet
4	Photos of the existing site condition & where proposed crossover will be positioned		Include existing poles, pits, trees, speed humps etc

## 1.2 VC Permit Stage – Detailed Design

Item	Info Required	Provided?	Notes
1	Detailed 1:20 scale cross-sectional plan incorporating existing/pre-construction & proposed levels		Must include ALL levels shown in <i>Figure 1</i> - <i>Example Cross-Section</i> . NOTE: Crossovers >3m wide will require
			one cross-section taken through either side of the crossing (i.e. Each lane)
2	Site plan of the proposed crossover design		<ul> <li>Site plan should typically include:</li> <li>Width of Crossing (minimum 3m)</li> <li>Splays (typically 650mm)</li> <li>Existing utilities in proximity</li> <li>Existing trees in proximity</li> <li>Existing drainage/road infrastructure in proximity</li> <li>NOTE: See Figure 2 - Example Site Plan</li> </ul>
3	Pre-construction site survey provided for comparison with existing levels		Pre-construction Finished Floor Level prior to vehicle crossing works must be shown
4	Photos of the existing crossover/site condition vs photos of the "as-built" garage floor level		Condition of garage/basement/driveway slabs pre & post construction shown if able.
5	Longitudinal section of the footpath, kerb & channel		<ul> <li>Requirement of Longitudinal Section typically assessed on case-by-case basis &amp; is communicated by Council Engineer <ul> <li>Levels taken 3m either side of crossing area</li> <li>Spot levels taken at 1m intervals</li> <li>Building line, back of kerb, invert and edge of channel levels may be required at each interval</li> </ul> </li> </ul>

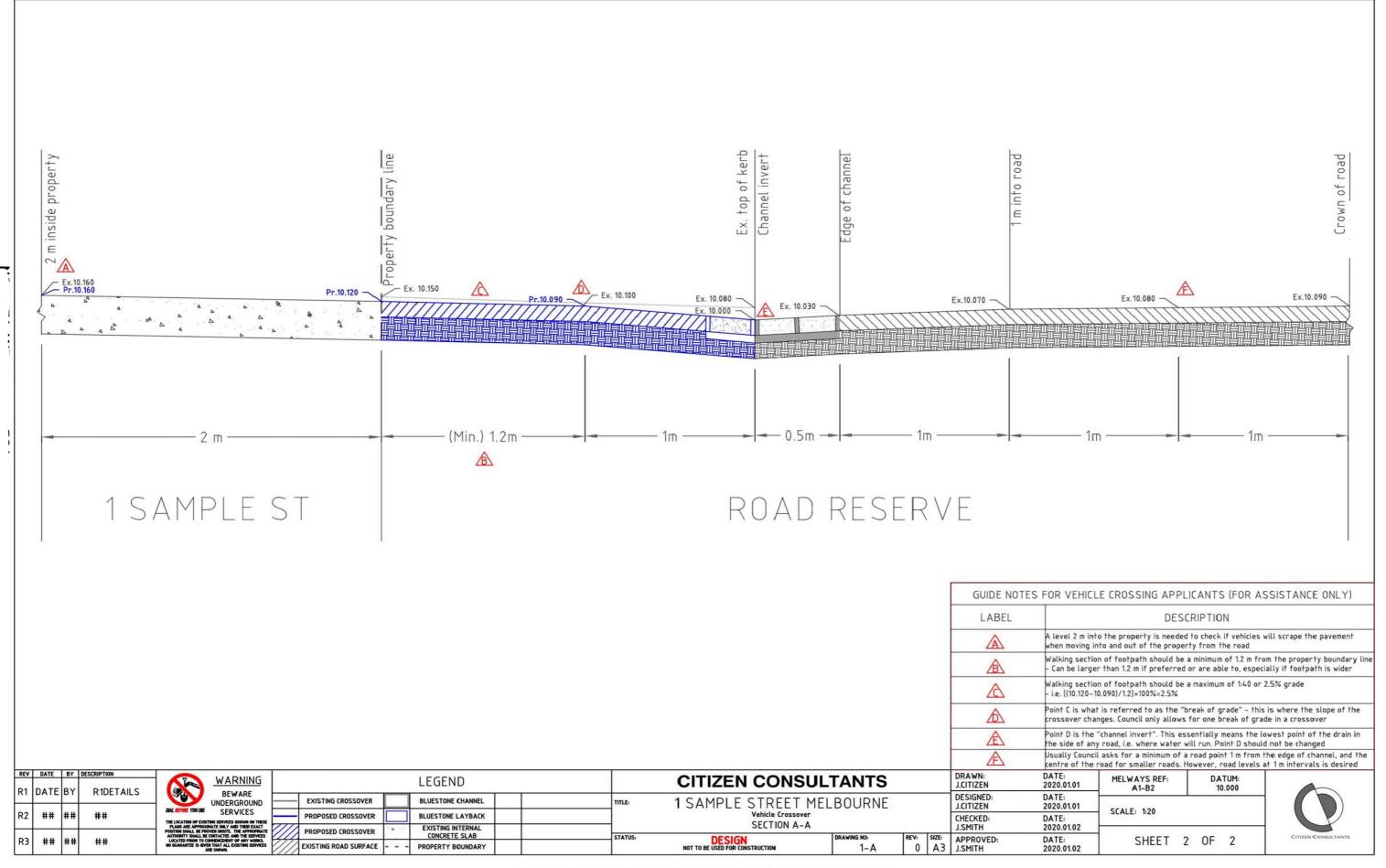


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Figure 1 - Example Cross-Section

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Figure 2 - Example Site Plan

