



STANDARD DRAWINGS

NEIGHBOURHOOD DESIGN MANUAL

Version 1.0
September 2023



**City of
Whittlesea**

Engineering Details

Engineering Design and Construction Manual (EDCM)

- EDCM 201 Joint detail for road pavements
- EDCM 202 Subsurface drain back of kerb
- EDCM 301 Barrier kerb, edge and invert profiles
- EDCM 302 Semi-mountable and mountable kerb profiles
- EDCM 303 Kerb markings
- EDCM 401 Concrete footpath cross sections and joints
- EDCM 402 Concrete joint locations and thicknesses at pits
- EDCM 403 Pedestrian crossing kerb ramp details
- EDCM 501 Residential vehicle crossing - single
- EDCM 502 Residential vehicle crossing - double
- EDCM 503 Heavy duty vehicle crossing
- EDCM 601 Single side entry pit grated B2 kerb and channel
- EDCM 602 Double side entry pit grated B2 kerb and channel
- EDCM 603 Single side entry pit grated SM2 kerb and channel
- EDCM 604 Double side entry pit grated SM2 kerb and channel
- EDCM 605 900 x 600 junction pit up to 3600 mm depth
- EDCM 606 900 x 600 junction pits 3601 mm to 10,800 mm depth
- EDCM 607 Haunched junction pit up to 3600 mm depth

- EDCM 608 Haunched junction pits 3601 mm to 10,800 mm depth
- EDCM 609 Step irons
- EDCM 701 Property inlet type A
- EDCM 702 Property inlet type B
- EDCM 703 Property inlet type C
- EDCM 704 Property inlet type D

Sections 200 - 900

- SD 220A Footpath grating pit and channel
- SD 221A Stormwater connection to kerb and channel
- SD 222A Reinstatement of asphalt surfaced road pavement following open cut trenching
- SD 320B Kerb ramp and tactile surface indicators detail
- SD 425B Vehicular crossing over table drain
- SD 620A Typical island profiles
- SD 621A Raised pavement profile
- SD 820A Mass concrete endwall
- SD 821A Mitre drains
- SD 822A Bollard - minimum parameters
- SD 824A Bicycle friendly handrail
- SD 825A Street name plate detail
- SD 826A On site stormwater detention facility signage plate
- SD 920A Typical rural sealed road cross section for high to very highly expansive sub-grades

SD 921A Rural sealed road cross section and mitre drain details for low to medium expansive sub-grades

Standard Drawings to be used only for works proposed within the established areas of the City of Whittlesea or for modifications to existing infrastructure

SD200 B Side entry pit - barrier type kerb and channel

SD201 F Side entry pit - semi mountable (modified) kerb and channel

SD202 G Side entry pit - entry throat details

SD203 C Junction pit

SD206 Stormwater connection to street drain

SD207 Grated side entry pit for semi-mountable kerb & channel

SD208 Grated pit

SD211 B Grated side entry pit for barrier kerb and channel

SD213 A Extended side entry pit

SD214 Standard anchor block

SD215 A Easement drain property inlet

SD217 B Grated side entry pit for rollover kerb and channel

SD218 C Side entry pit conversion at vehicular crossing

SD219 A Side entry pit grate

SD301 B Barrier kerb and channel (600 Width)

SD302 B Semi-mountable (modified) kerb and channel

SD303 B Channel crossings

SD307 E Conversion of kerb and channel to crossing layback

SD309 A Footpath cross-section joints and pits access holes

SD404 E Domestic vehicular crossing (semi-mountable K & C)

SD405 B Domestic vehicular crossing (for concrete edge strip and swale nature strip)

SD410 Concrete masonry retaining wall

SD604 C Partially indented bus bay

SD605 D Fully indented bus bay

SD622 Wombat crossing profile

SD809 B Large bollard

SD810 B Sign posts

SD814 C Optic fibre pit

SD823 Lockable bollard

SD901 D Typical urban road cross section for high to very highly expansive sub-grades

SD902 C Typical urban road cross section for low to medium expansive sub-grades

SD1041B Step Iron

Civil Works specification (PDF)

Civil Works specification (Word)

Landscape Details

Retention and Protection of Remnant and Existing Trees

- SDL.1.01 Tree Protection Zone (TPZ) Detail
- SDL.1.02 TPZ Fence and Sign Detail

Fencing, Bollards and Gates

- SDL.2.01 Timber Bollard Detail
- SDL.2.02 Removable Bollard Detail
- SDL.2.03 Frangible Timber Bollard Detail
- SDL.2.04 Fixed Steel Bollard Detail
- SDL.2.05 Timber Post and Cable Fence Bollard Detail
- SDL.2.06 Timber Post and Tube Rail Fence Detail
- SDL.2.07 Timber Post and Rail Fence Detail
- SDL.2.08 Galvanised Post and Chain Mesh Security Fence Detail
- SDL.2.09 Conservation Reserve Fencing Detail
- SDL.2.10 Post and Chain Wire Pedestrian/Sports Fence Detail
- SDL.2.11 Welded Mesh Fence Detail
- SDL.2.12 Temporary Farm Fencing Detail
- SDL.2.13 Directional Fencing Detail
- SDL.2.14 Plain Wire Fence with Rabbit Proof Skirt Detail
- SDL.2.15 Animal Exclusion Fence Detail

- SDL.2.16 Temp Hessian/Bunting Fence Detail
- SDL.2.17 Post and Chain Mesh Ball Catching Fence Detail
- SDL.2.18 Pedestrian and Vehicle Access Gate Detail
- SDL.2.19 Post and Chain Mesh Gate Detail
- SDL.2.20 Heavy Duty Maintenance Access Gate Detail
- SDL.2.21 Trail Bike Exclusion Gate Detail
- SDL.2.22 Cable Maintenance Access Gate Detail
- SDL.2.23 Electrical Kiosk Screen Fencing Detail
- SDL.2.24 Preferred Timber Paling Fence Detail
- SDL.2.25 Timber Paling Fence Detail

Surface Finish

- SDL.3.01 Concrete Path Detail
- SDL.3.02 Playground Surface Detail
- SDL.3.03 Granitic Sand Path Detail

Drainage

- SDL.4.01 Concrete Spoon Drain Detail
- SDL.4.02 Concrete Grated Pit Detail
- SDL.4.03 Agricultural Drainage Pipe Detail

Edging

- SDL.5.01 Concrete Edge Detail
- SDL.5.02 Timber Edge Detail
- SDL.5.03 Spade Edge Detail
- SDL.5.04 Steel Edge Detail

Tree and Shrub Planting

- SDL.6.01 Advanced Tree Planting Detail
- SDL.6.02 Shrub and Tubestock Planting Detail
- SDL.6.03 Hiko Planting Detail
- SDL.6.04 Structural Soil Tree Pit Detail

Furniture

- SDL.7.01 Bicycle Rail Detail
- SDL.7.02 Timber Seat Detail
- SDL.7.03 Timber Platform Seat Detail
- SDL.7.04 Timber Picnic Setting Detail
- SDL.7.05 Drinking Fountain Detail
- SDL.7.06 Bin Enclosure Detail
- SDL.7.07 Coaches Box Detail
- SDL.7.08 Cricket Wicket Detail

Freestanding and Retaining Wall

- SDL.8.01 Reconstructed Stone Wall and Path Detail

Paper Road

- SDL.9.01 Paper Road and Lighting Infrastructure

