THE CITY OF TEA TREE GULLY

› Technical Specifications

SURFACES

DESCRIPTION: CONCRETE PATH

CODE: SUR04 29/10/2024

APPLICATIONS

Regional	○
District	●
Neighbourhood	●
Local	●
Main Roads	●
Local Roads	●

PERFORMANCE CRITERIA

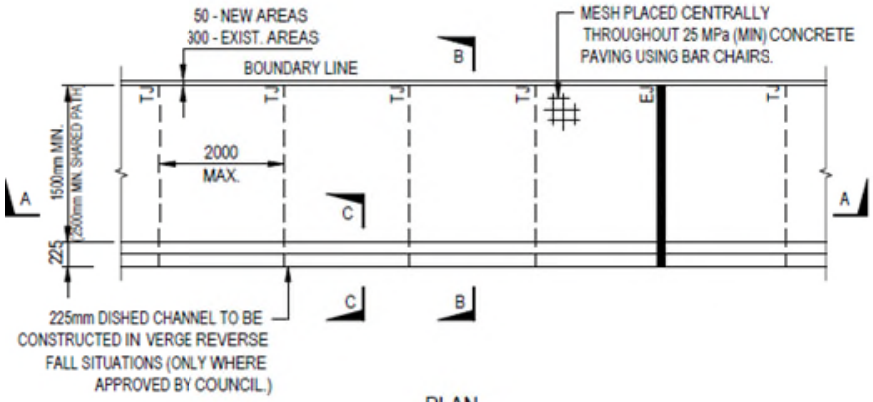
strong, durable and crack resistant, suitable for high traffic areas, slip resistance, visually appealing, minimal maintenance, not prone to movement



IMAGE/S

Images are indicative of the style, not a specific brand. Council's procurement policy must be followed when selecting and purchasing items.

MATERIALS	Precast concrete unit paving
FINISHES	Broom finish with sawn control joints
COLOURS	Standard Portland Cement
SIZE (INDICATIVE)	Pedsetrian depth - 100mm depth Vehicular traffic - 125-150mm depth Min 100mm compacted rubble base Min 25MPa concrete
VARIATIONS	Acrylic sealant as required in areas of high tree canopy cover. Dry Creek and O-Bahn SUP - 3m preferred width (min 2.5m) Local Streets - 1.8m preferred width (min 1.5m) or full width kerb to property where appropriate Any other variations as specified in a design brief
OPTIONS	New shared use paths to 3m width (min) with line marking
INSTALLATION INSTRUCTIONS	Min 25MPa concrete incorporating reinforcing, expansion and control joints, slip rated. Max cross fall 2.5%
DDA (Universal design principles)	Compliance with Disability Discrimination Act and universal design principles.
MAINTENANCE	General cleaining and maintenance of trip steps as reqired. Repairs to match exiting path
ENVIRONMENTAL	NA
EXPECTED LIFESPAN / END OF LIFE REPLACEMENT	50 years. If required, repair by replacing damaged panel between control joints and key into existing path.
FURTHER INFORMATION	Characteristics of concrete: long lifespan, retains gradient (better product when used on grade i.e. pavement not undermined / no washout), ability to rough up for traction to improve safety, low maintenance requirements, high wear resistance, good for high traffic areas, generally complementary to historic character.
OTHER INFORMATION	Note: the use of Hazard Tactiles should be included where required to warn blind and vision impaired pedestrians of nearby hazards e.g. pram ramps/crossing points
RELEVANT STANDARDS	



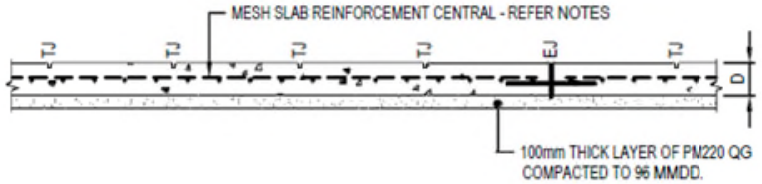
PLAN

LEGEND:

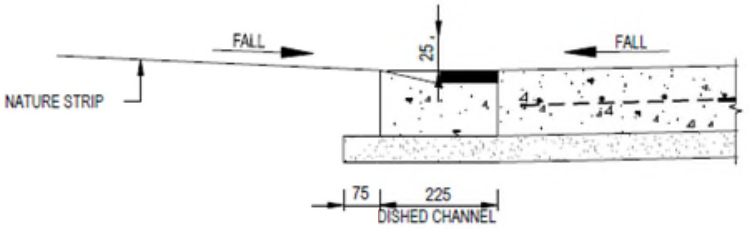
EXPANSION JOINT @ 12m CTS. MAX.	EJ
CONTRACTIONTOOLED JOINTS @2000mm CTS. MAX.	TJ
ISOLATION JOINT	IJ

NOTES:

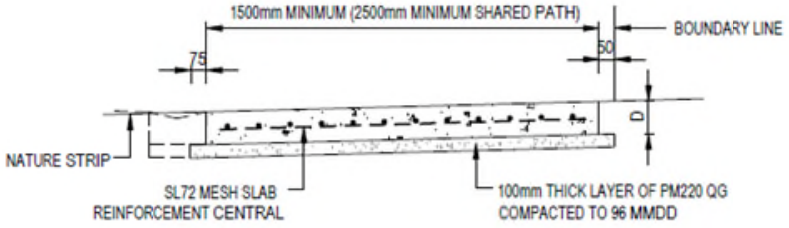
1. 'D' = DEPTH OF CONCRETE FOOTPATH
   - EXISTING RESIDENTIAL: D = 100mm 25MPa WITH SL62.
   - NEW RESIDENTIAL: D = 125mm 25MPa WITH SL72.
   - EXPOSED AGGREGATE D = 125mm 32MPa WITH SL72
   - COMMERCIALINDUSTRIAL: D = 150mm 32MPa WITH SL82 (TOP) 50 COVER.
2. REFER SD 210 FOR DETAILS OF JOINT TYPES.
3. ALIGNMENT OF FOOTPATH TO BE SHOWN ON DESIGN PLANS AND APPROVED BY COUNCIL.



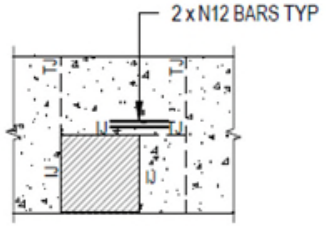
SECTION A-A
TYPICAL 125mm & 150mm FOOTPATH SECTION



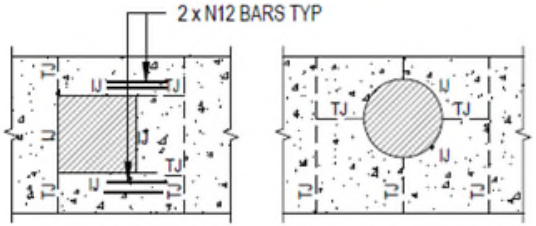
SECTION C-C
(ONLY TO BE USED BY COUNCIL APPROVAL)



SECTION B-B
TYPICAL 125mm & 150mm FOOTPATH SECTION

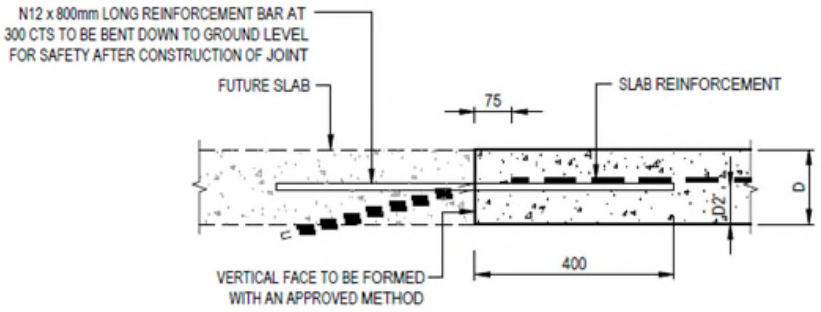


PIT ACCESS HOLE AT EDGE (PLAN)

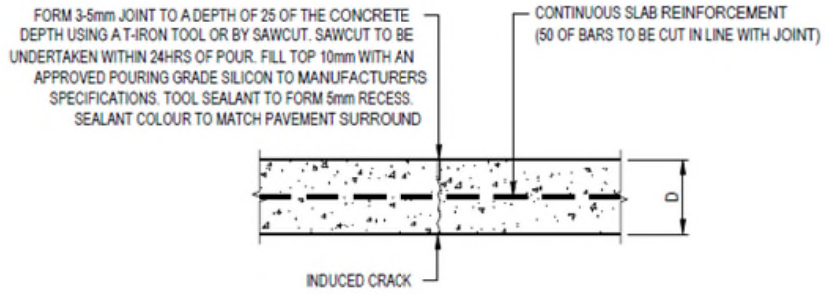


PIT ACCESS HOLE NOT AT EDGE (PLAN)

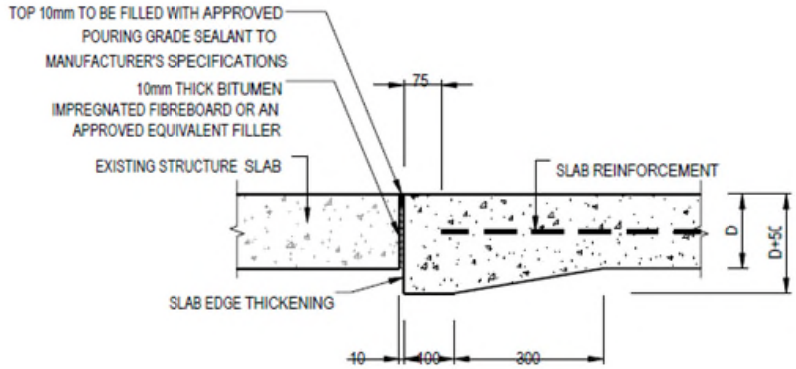
ALL MEASUREMENTS IN MILLIMETRES



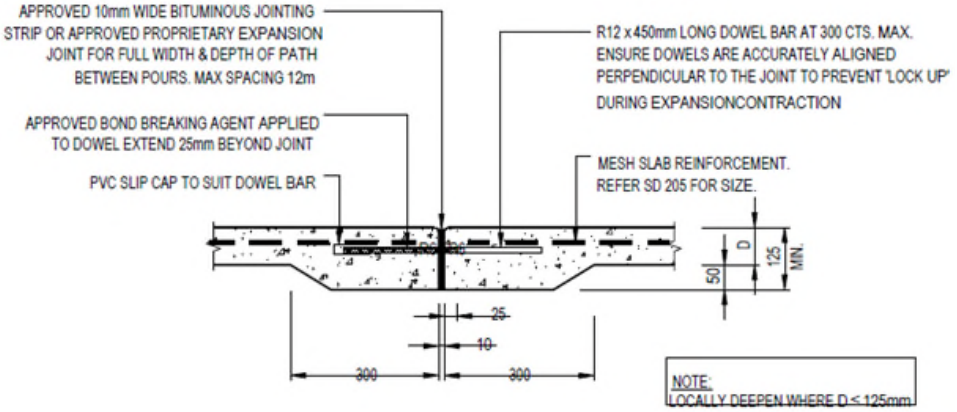
TYPICAL FUTURE CONSTRUCTION JOINT



TYPICAL CONTRACTION TOOLED JOINT



TYPICAL ISOLATION JOINT SECTION

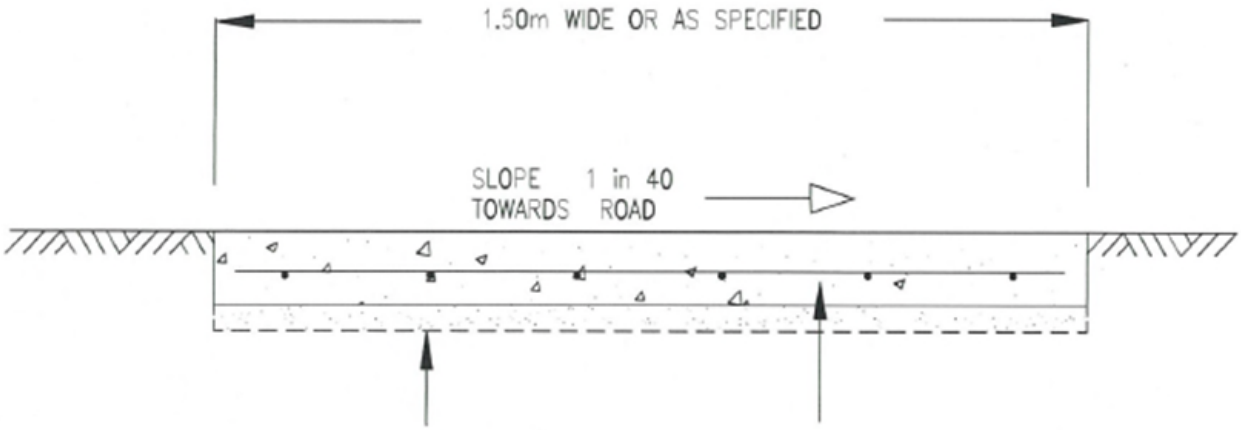


TYPICAL FOOTPATH EXPANSION JOINT - SECTION

NOTE:

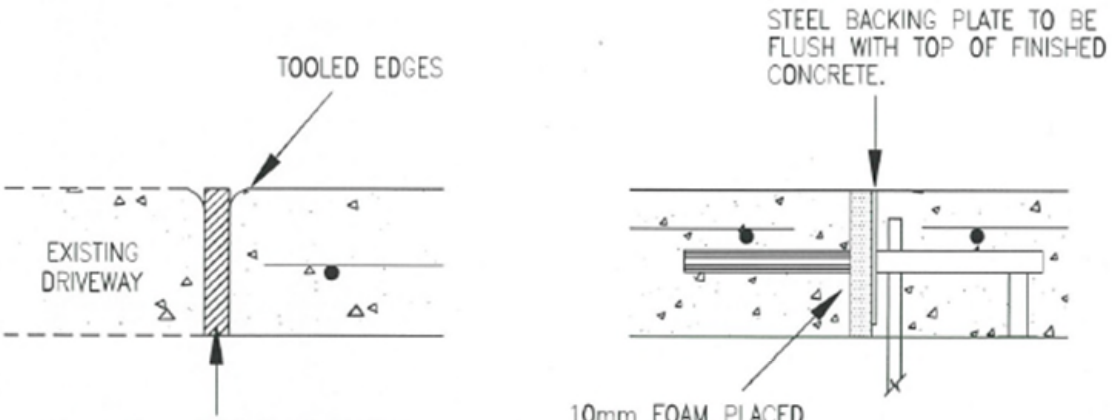
1. PROPRIETARY EXPANSION JOINTS SUCH AS TRIPSTOP CAN BE USED WITH COUNCIL APPROVAL IN REACTIVE SOILS OR WHERE TREE ROOTS MAY AFFECT PATHS.

ALL MEASUREMENTS IN MILLIMETRES



CONCRETE FOOTPATH
(SECTIONAL VIEW)

N.B.
CONCRETE STRENGTH – F'c = 25MPa
FINISH – NON SLIP SURFACE i.e. LIGHT BROOM. TOOLED EDGES AND JOINTS.
TOOLED JOINTS TO BE AT 1.50 X WIDTH OF FOOTPATH.



EXPANSION JOINT DETAIL

CITY OF TEA TREE GULLY