THE CITY OF TEA TREE GULLY

# › Technical Specifications

# SURFACES

## DESCRIPTION: PAVEMENT - TYPICAL SWALE DRAIN HEAVY VEHICLE CROSSING (RURAL)

## CODE: SUR18 29/04/2024

APPLICATIONS

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

| PERFORMANCE CRITERIA | intended for rural farming access ways that require Semi B double access |
|---|---|

### IMAGE/S

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

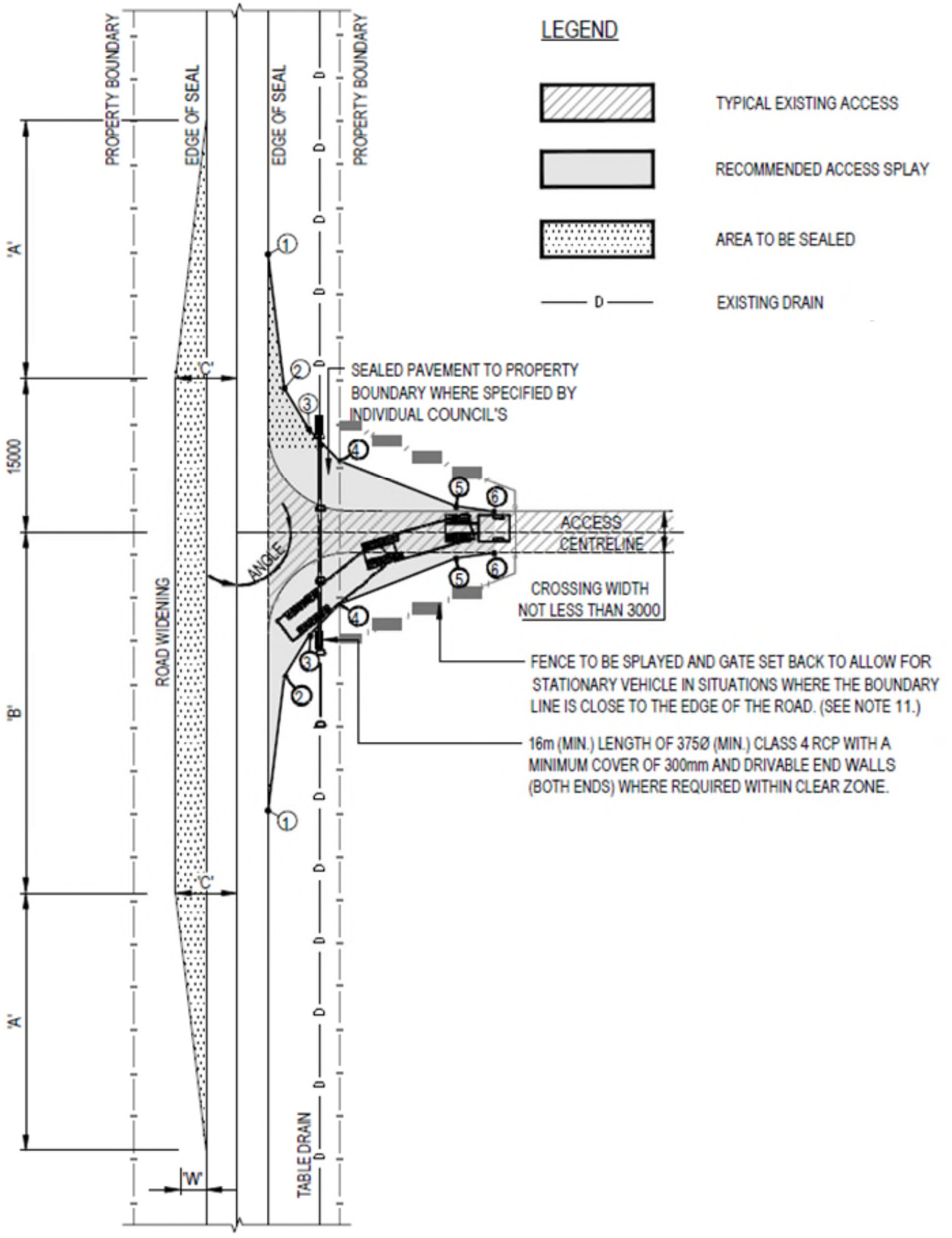
| | |
|---|---|
| **MATERIALS** | |
| **FINISHES** | |
| **COLOURS** | |
| **SIZE (INDICATIVE)** | |
| **VARIATIONS** | Council may require that crossing pavement be sealed depending on site location and specific. |
| **OPTIONS** | This is a typical crossing plan. Slight variations may occur after inspection and approval of location by Council.<br>Council reserves the right to direct the use of culvert end wall type.<br>Driveable end walls to be used in clearzone. |
| **INSTALLATION INSTRUCTIONS** | Paved areas to be a min. of 150mm depth compacted gravel.<br>Pavement areas and type to be approved by Council.<br>Prior to construction, the crossing location shall be approved by Council.<br>table drains are not to be closer than 1.0m from fence lines or services. |
| **DDA**<br>(Universal design principles) | |
| **MAINTENANCE** | Maintenance of the crossover remains the responsibility of the land owner. |
| **ENVIRONMENTAL** | |
| **EXPECTED LIFESPAN / END OF LIFE REPLACEMENT** | |
| **FURTHER INFORMATION** | |
| **OTHER INFORMATION** | |
| **RELEVANT STANDARDS** | |

Gate Offset Dimensions

| STANDARD VEHICLE TYPE | MINIMUM GATE OFFSET FROM EDGE OF THROUGH LANE (m) |
|---|---|
| SEMI (19.0m) | 22 |
| B-DOUBLE (25.0m) | 28 |

| SETOUT TABLE | | |
|---|---|---|
| POINT No. | OFFSET DISTANCE FROM EDGE OF SEAL (m) | OFFSET DISTANCE FROM ACCESS CENTRELINE (m) |
| 1 | 0.0 | 27.0 |
| 2 | 1.6 | 14.0 |
| 3 | 4.0 | 10.0 |
| 4 | 6.9 | 7.0 |
| 5 | 18.3 | 2.5 |
| 6 | 22 | 2.0 |

| ROAD WIDENING | | | | |
|---|---|---|---|---|
| A = | $\frac{0.5 \times \text{SPEED (kmh)} \times W\text{(m)}}{3.6}$ | | | |
| B = | ANGLE: | 70° | 90° | 110° |
| | LENGTH: | 40 | 35 | 30 |
| C = | ON STRAIGHT: 6.0m (MIN) | | | |
| | ON CURVE: 2x (3.0m + CORRESPONDING WIDENING FOR CURVE RADIUS) | | | |
| W = | FORMATION WIDENING (IF REQUIRED BY COUNCIL) | | | |






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