

# Reinstatement of Trenches along Local Asphalt Roads A101.01



## DESIGN STATEMENT

Roads are expected to last 80-100 years. Trenching a road can cause weaknesses, shortening the life of the pavement, at substantial cost to the local community.

The two most important aspects when reinstating a trench along a road are:

- None of the material excavated from the trench is permitted back into the trench because local clays cannot be compacted properly and will sink over time; and
- The base course must extend 150mm wider than the trench and the wearing course must extend 300mm wider than the trench to prevent rainwater penetrating straight down the joint in the trench over the decades causing the road underneath the asphalt to deform as traffic passes over.

This is why the plan must be followed carefully.

## APPLICABLE LOCATION

To be used for reinstating trenches in local roads.

## COUNCIL STANDARD DRAWING

N/A

## CROSS REFERENCE DOCUMENT

- N/A

## STANDARD SPECIFICATION

N/A

## SUPPLIER

N/A

## MAINTENANCE

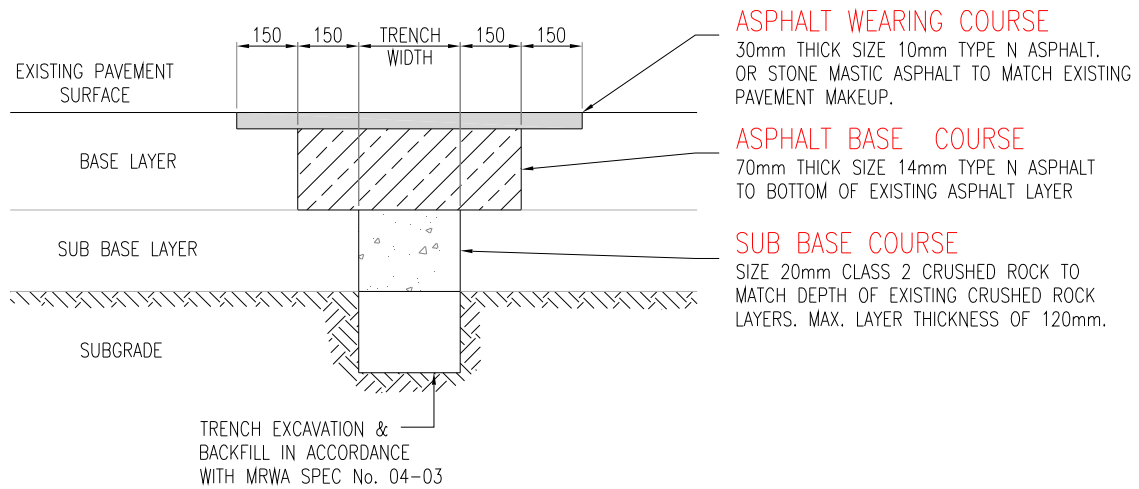
N/A

## GENERAL NOTES

1. *The drawings are to be read in conjunction with specification for pavement reinstatement for trenches.*
2. *The drawings are intended to assist designers and contractors in reinstating pavements and cover standard cases only. Conditions encountered at individual sites may vary and site specific information needs to be considered prior to construction.*
3. *All asphalt shall comply with VicRoads standard specification section 407 - hot mix asphalt.*
4. *All crushed rock shall be supplied in accordance with VicRoads standard specification section 812 - crushed rocks for base and sub-base pavements.*
5. *Cementitiously treated sub-base material shall comply with VicRoads standard specification Section 306 - construction of cementitiously treated sub-base pavement.*
6. *All concrete shall be in accordance with VicRoads standards section 503 - Construction of concrete base pavement courses.*
7. *Joints between wearing (for deep strength asphalt), base, sub-base and sub-grade shall be offset from layer to layer by no less than 150mm.*
8. *All joints to be saw cut.*



# A101.01 Reinstatement of trenches along local asphalt roads



## REINSTATEMENT OF LOCAL ROADS

### MINIMUM TRENCH WIDTH 500mm

NOMINAL PIPE DIAMETER (mm)	MINIMUM CLEARANCE FROM SIDE OF TRENCH TO PIPE (mm)
<150	100
>150 - <300	150
>300 - <450	200
>450 - <900	300
>900 - <1500	350

### COMPATIBLE ASPHALT STONE SIZE FOR ASPHALT LAYER THICKNESS

STONE SIZE (mm)	THICKNESS RANGE (mm)	RECOMMENDED (mm)
7	15-25	20
10	25-35	30
14	35-50	40
20	50-100	75

### SPRAYED SEAL SURFACING TREATMENTS

ROAD TYPE	TRAFFIC	SPRAYED SEAL SURFACING
LOCAL	LOW/MED	SIZE 10mm PRIMER SEAL
MAIN	HIGH	SIZE 14 PRIME & SEAL
HIGHWAYS & FREEWAYS	HIGH/VERY HIGH	SIZE 14/7 DOUBLE APPLICATION SPRAYED SEAL

### NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATION FOR PAVEMENT REINSTATEMENT FOR TRENCHES.
- THESE DRAWINGS ARE INTENDED TO ASSIST DESIGNERS AND CONTRACTORS IN REINSTATING PAVEMENTS AND COVER STANDARD CASES ONLY. CONDITIONS ENCOUNTERED AT INDIVIDUAL SITES MAY VARY AND SITE SPECIFIC INFORMATION NEEDS TO BE CONSIDERED PRIOR TO CONSTRUCTION.
- ALL ASPHALT SHALL COMPLY WITH VICROADS STANDARD SPECIFICATION SECTION 407 - HOT MIX ASPHALT.
- ALL CRUSHED ROCK SHALL BE SUPPLIED IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION SECTION 812 - CRUSHED ROCKS FOR BASE AND SUB BASE PAVEMENTS
- CEMENTITIOUSLY TREATED SUB BASE MATERIAL SHALL COMPLY WITH VICROADS STANDARD SPECIFICATION SECTION 306 - CONSTRUCTION OF CEMENTITIOUSLY TREATED SUB BASE PAVEMENT.
- ALL CONCRETE SHALL BE IN ACCORDANCE WITH VICROADS STANDARDS SECTION 503 - CONSTRUCTION OF CONCRETE BASE PAVEMENT COURSES
- JOINTS BETWEEN WEARING (FOR DEEP STRENGTH ASPHALT), BASE, SUB BASE AND SUB GRADE SHALL BE OFFSET FROM LAYER TO LAYER BY NO LESS THAN 150mm
- ALL JOINTS TO BE SAW CUT