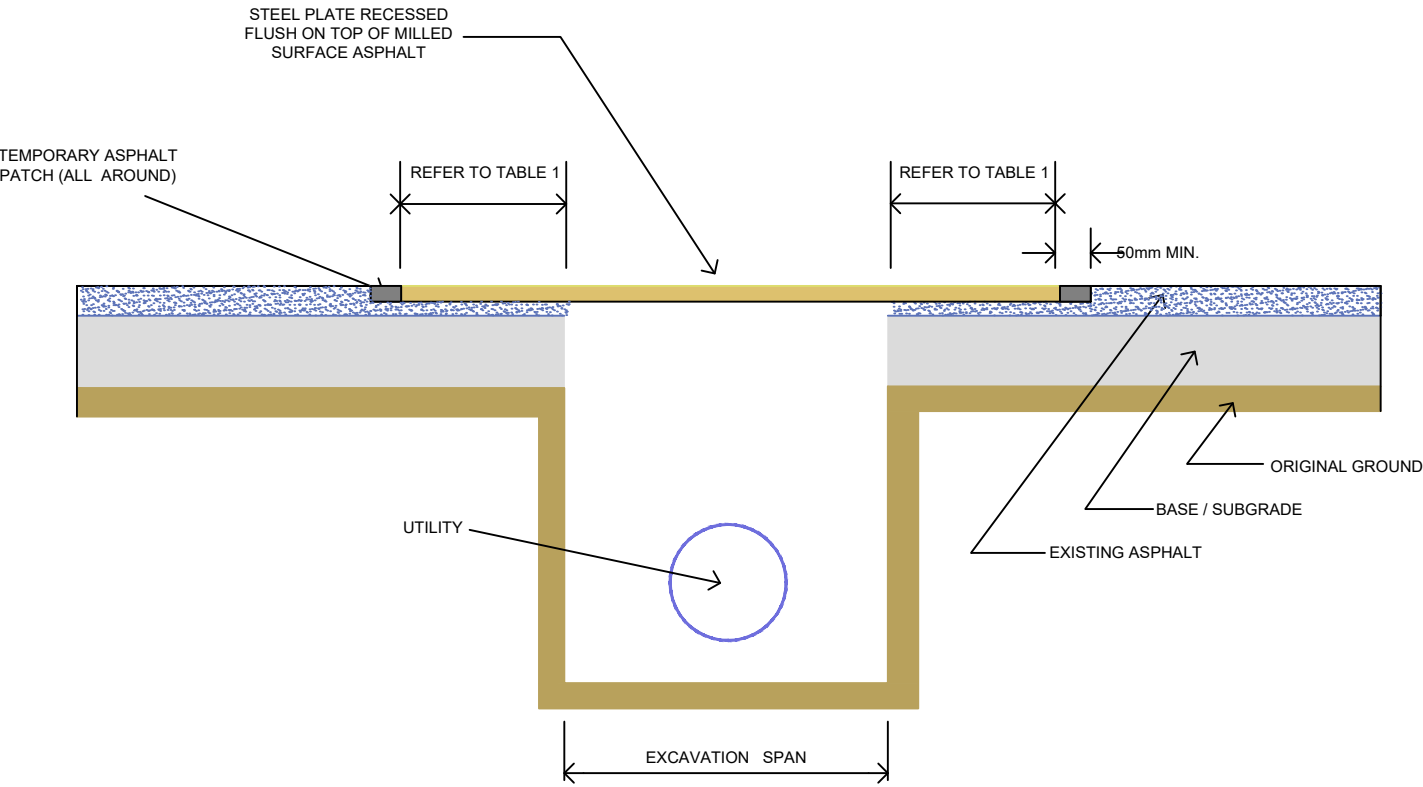


Type 1: Speed 50 ≤ km/h



Type 2: Speed 50 > km/h

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 2. THE PROVISION OF STEEL PLATES SHALL ONLY BE GIVEN WHEN AN EXCAVATION IN OR NEAR THE ROADWAYS NEEDS TO BE COVERED FOR TEMPORARY TRAFFIC OPERATION OR PEDESTRIAN USE.
 3. THE THICKNESS OF THE STEEL PLATES SHALL BE MINIMUM 25 mm. THE MINIMUM STEEL PLATE SIZE AND THICKNESS SHALL BE MENTIONED ON SHOP DRAWINGS.
 4. PIPE TRENCH BACKFILLING SHALL BE AS PER THE LATEST QCS PART 8 - DRAINAGE WORKS.
 5. ADDITIONAL PLANS AND SECTIONS TO BE DEVELOPED BY THE CONTRACTOR ON SHOP DRAWINGS TO PROVIDE A COMPREHENSIVE DETAIL ON EACH DIRECTION, ROAD CUTTING IN PATCHES ALONG TRAFFIC, ACROSS TRAFFIC, ETC.
 6. CROSS SECTIONS OF ROADS / LANES TO BE SHOWN ON SHOP DRAWINGS.
 7. IF DEEMED NECESSARY, ANY FILL MATERIAL I.E. SAND OR PREFERABLY A RUBBER PRODUCT CAN BE PLACED UNDER THE STEEL PLATES EDGES TO AVOID ROCKING.
 8. TYPICAL PLANS SHALL BE USED TO PLACE THE STEEL PLATES FOR MULTIPLE LANE ROAD NETWORK.
 9. THE SURFACE OF THE PLATE MUST BE TREATED FOR SKID RESISTANCE, EITHER BY SURFACE DEFORMATION OR DIRECT APPLICATION OF A FRICTION COURSE.
 10. WHEN MULTIPLE STEEL PLATES ARE USED, THE TRENCH SHALL BE FULLY COVERED WITHOUT GAPS ALONG THE TRENCH.
 11. LONGITUDINAL PLATE EDGE SHOULD NOT BE PLACED ON THE WHEEL TRACKS OF A LANE - TO AVOID IMPACT TO THE TIRES.
 12. A MECHANISM FOR INSTALLING AND REMOVING PLATES SHALL BE IN PLACE IN ORDER TO PREVENT HAZARDS FOR ROAD USERS.
 13. WHERE BOLTS ARE USED, PREFERENCE SHOULD BE GIVEN TO BOLTS WHICH ARE COUNTERSUNK WHICH DO NOT PROJECT ABOVE THE SURFACE OF THE STEEL PLATE.
 14. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF STEEL PLATES, ASPHALT RAMPS AND STABILITY AS NECESSARY TO ENSURE SAFE AND CONTINUOUS OPERATION.
 15. THE STEEL PLATES AND SUPPORT SYSTEM SHALL BE DESIGNED AND VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE.
 16. FOR LARGER TRENCH WIDTHS AND HEAVY LOAD EXPECTED TRAFFIC, STEEL PLATES AND SUPPORT SYSTEM SHALL BE DESIGNED BY A PROFESSIONAL CONTRACTOR AND APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE.
 17. STEEL PLATES WILL GENERATE NOISE. SPECIAL CARE AND PROVISION SHOULD BE IN PLACE PARTICULARLY TO AVOID INCONVENIENCE IN RESIDENTIAL, HOSPITAL AND OTHER IMPORTANT AREAS.
 18. ADVANCE WARNING NOTICE ROAD SIGNS (STEEL PLATE AHEAD) SHALL BE ERECTED AT LEAST 50 M EITHER SIDE OF AREAS WHERE WORKS IS IN PROGRESS.
 19. FOR WORKS IN THE RIGHT OF WAY THERE SHOULD BE A TRAFFIC DIVERSION PLAN COMPLYING WITH THE LATEST VERSION OF THE WORK ZONE TRAFFIC MANAGEMENT GUIDE.

STEEL PLATE MINIMUM OVERLAPS	
TRENCH WIDTH	STEEL PLATE OVERLAP
UP TO 1500mm	300mm
MORE THAN 1500mm	500mm

00	JAN 2023	NEW ISSUE	
Rev.	Date	Revision Details	Appd.

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PROJECT AFFAIRS

QCS Section: Section 1 - General
Part 14 -Temporary Works

Drawing Title:

Construction Specifications
for Steel Plates

Approved:	Sheet No: 1 OF 1
Date:	Scale: NTS

Drawing Number:	Revision:
SD 1-14-301	0