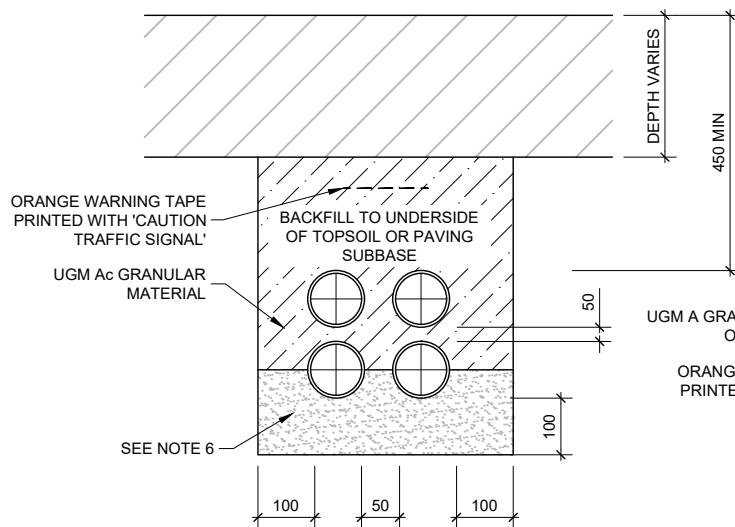
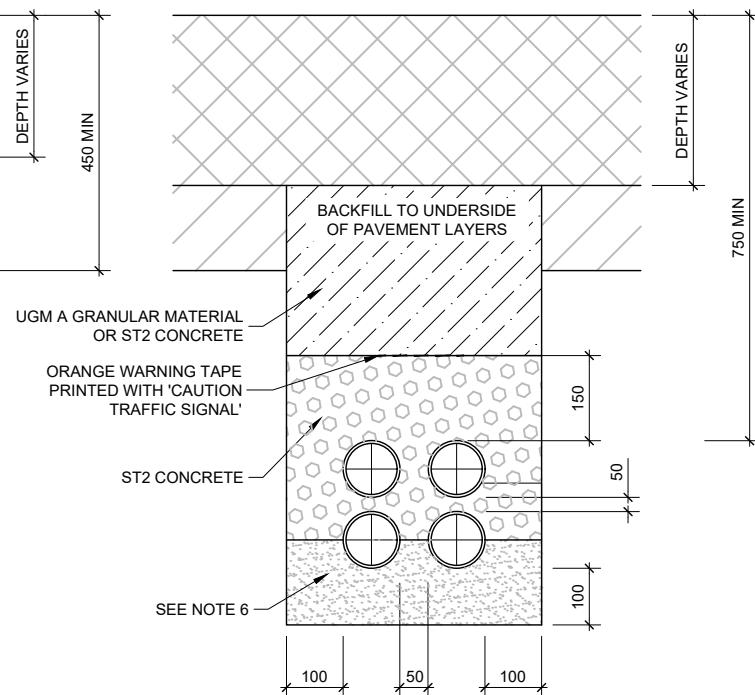


**DUCTS IN FOOTWAY
AND GRASSED AREAS**

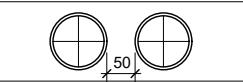


DUCTS IN CARRIAGEWAYS

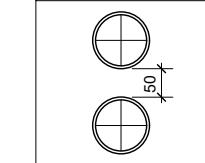


LAYOUT OF DUCTS

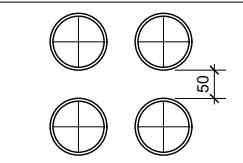
2 WAY = 2 DUCTS



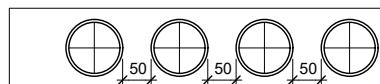
2 WAY = 2 DUCTS



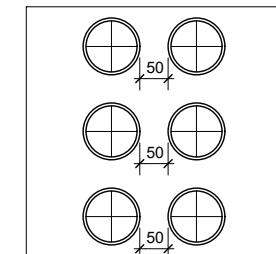
4 WAY = 4 DUCTS



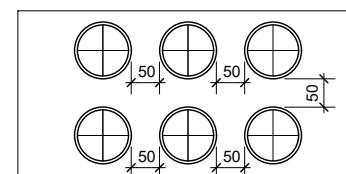
4 WAY = 4 DUCTS



6 WAY = 6 DUCTS



6 WAY = 6 DUCTS



NOTES:

- TRAFFIC DUCTS SHALL BE 110mm DIAMETER MEDIUM/HIGH DENSITY SMOOTH INTERNAL BORE POLYETHYLENE, MINIMUM WALL THICKNESS 5mm (+/- 0.1mm) UNLESS OTHERWISE AGREED.
- DUCTING FOR TRAFFIC SIGNALS TO BE COLOURED ORANGE WITH THE WORDS "TRAFFIC SIGNALS" PRINTED IN 9mm HIGH WHITE LETTERING ALONG THE OUTSIDE. COMMUNICATION DUCTS TO BE GREEN IN COLOUR.
- DUCTS TO BE IMPACT RESISTANT, IMPERVIOUS TO WATER AND SUFFICIENTLY FLEXIBLE TO ACCOMMODATE UNDULATIONS IN THE TRENCH.
- A DUCTS SHALL BE BRUSHED THROUGH, MANDRELLED AND ROPE WITH A POLYPROPYLENE DRAW ROPE. EMPTY DUCTS TO BE FITTED WITH DUCT CAPS.
- BACKFILL MATERIAL SHALL BE DEPOSITED IN LAYERS, COMPACTED IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN CC-SPW-00800.
- DUCT BEDDING AND HAUNCHING MATERIAL SHALL BE SAND COMPLYING WITH TABLE 3.2 OF TII CC-SPW-00500.
- FOR LONGITUDINAL DUCTING, CONSIDER THE USE OF SPACERS/STRAPS TO ALLOW BACKFILL MATERIAL TO FILL THE VOIDS.
- FOR TYPICAL TRAFFIC SIGNAL CHAMBERS REFER TO NTA-TCD-0500-005
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.

NOT TO SCALE



An Roinn Iompair
Department of Transport

NTA
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National Transport Authority

TYPICAL CONSTRUCTION DETAILS

Series:

NTA-500: DRAINAGE AND DUCTS

Date

JAN'26

Issue

01

Title

**TYPICAL DETAILS FOR
TRAFFIC SIGNAL DUCTING**

Drawing File Number

NTA-TCD-0500-006