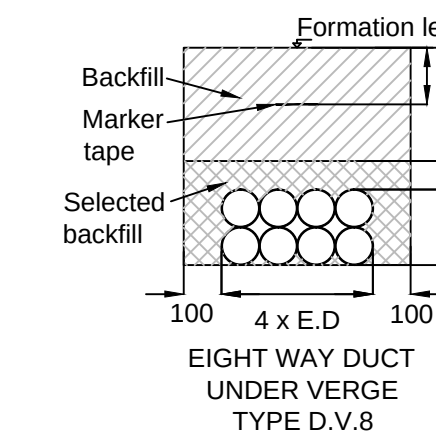
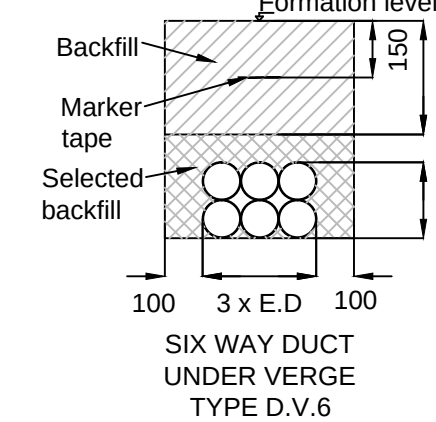
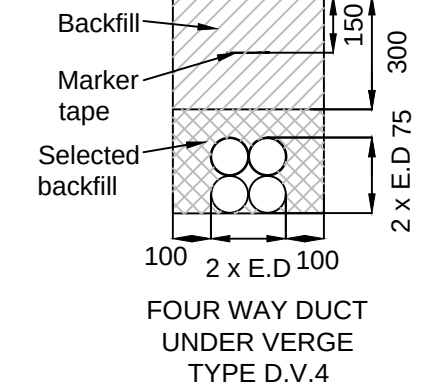
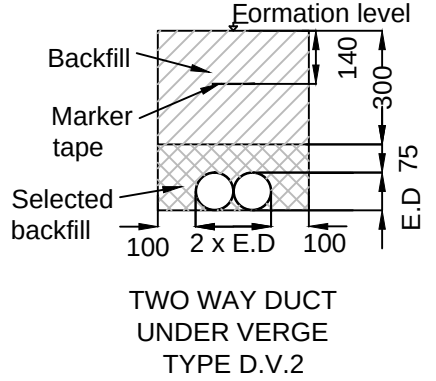
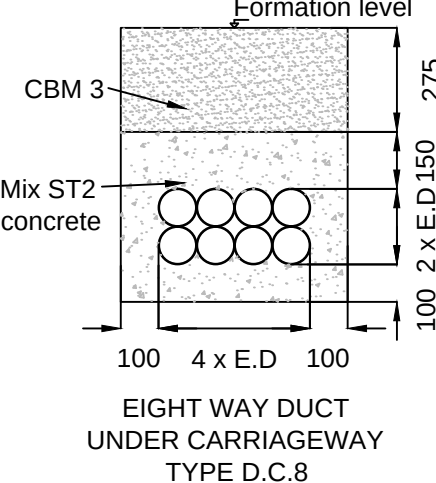
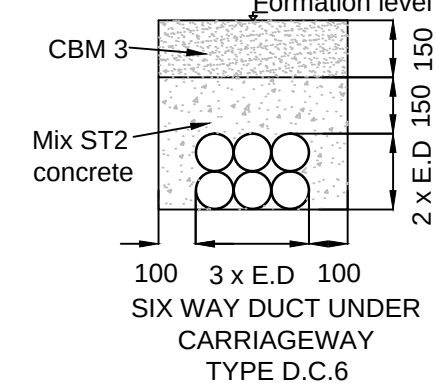
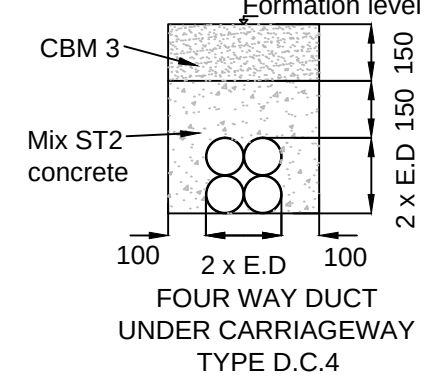
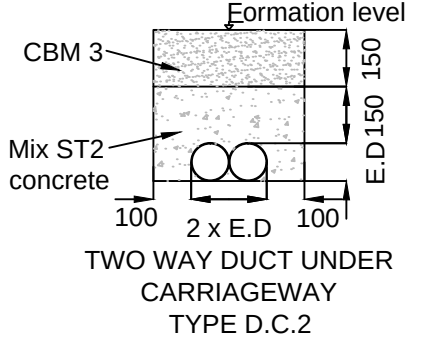
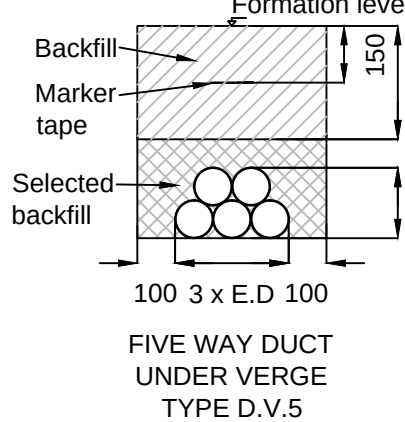
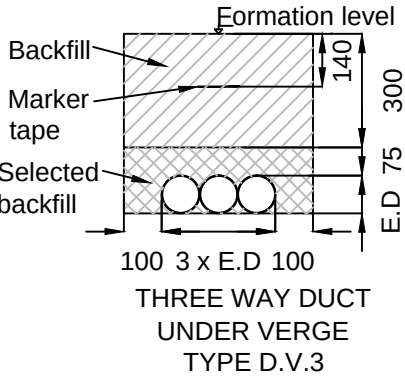
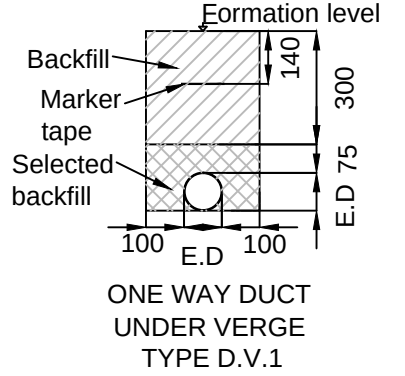
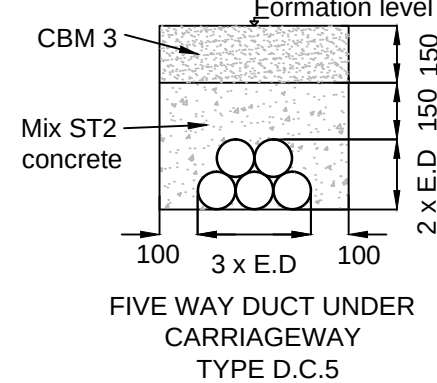
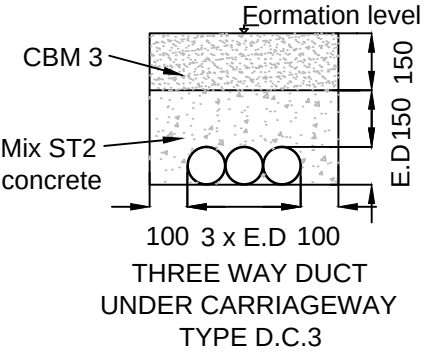
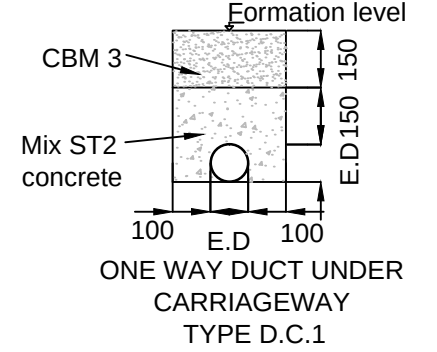


NOTES

1. All dimensions are in millimetres.
2. E.D. refers to external diameter of duct; D.C. refers to duct in carriageway; D.V. refers to duct in verge.
3. All ducts to comply with the relevant clauses of the 500 Series of the Specification for Highway Works 1998, as amended.
4. Ducts for British Telecom to be laid in accordance with B.T. Specifications LN 139. Ducts to be supplied by British Telecom.
5. Ends of ducts to be sealed by removable stoppers or terminated in chambers.
6. Every duct to be provided with a pigmented stranded polypropylene draw rope, with a minimum breaking strain of 5.0 kN having a design life of 20 years.
7. Ducts in carriageway crossings shall be marked as Drg no 11 of the HCD and by agreement with the Overseeing Organisation.
8. Pipes for ducts shall comply with Table 5/2 of the Specification for Highway Works.
9. Backfill material above pipe surround shall comply with Clause 503, Class 1, 2 or 3 general fill material complying with the 605 series of the Specification for Highway Works
10. Where ducts are to be laid in existing carriageway, the excavation shall be backfilled to the underside of base course with Mix ST2 concrete.
11. Where ducts under carriageways pass through rock, a 100mm thick bed of Mix ST2 concrete will be provided.
12. Where ducts in verges pass through rock, a 75mm thick bed of selected backfill will be provided.
13. Examples of duct references :
  - 13.1. Type B.T.D.C.2 : British Telecom two way duct in carriageway.
  - 13.2. Type S.L.D.V.1 : Street Lighting one way duct in verge.
14. Ducts are to be colour coded as specified in Appendix 5/2.
15. Marker tape will be laid above ducts as in accordance with the special requirements of the various utilities.



| AMENDMENTS | REV          | DETAILS | DATE | MADE BY | CHKD BY | Drawn  | JS      |
|------------|--------------|---------|------|---------|---------|--------|---------|
|            | REF          |         |      |         |         | Ch'kd  | RH      |
|            |              |         |      |         |         | Appr'd | WP      |
|            |              |         |      |         |         | Date   | Nov '12 |
| Drg No.    | SEWFS/504.03 |         |      |         | Rev.    | Scale  | NTS     |

SOUTH EAST WALES FRAMEWORK  
STANDARD DETAIL

Ducts