SECTION A-A
UNDER ROAD
SINGLE LAYER

SECTION B-B
UNDER VERGE/MEDIAN
SINGLE LAYER

SECTION C-C
UNDER VERGE
TWO LAYERS

LEGEND
- 50 PVC CONDUCTS
- 80 PVC CONDUCTS
- LOOP PIT LT
- EARTH PIT LT
- TERMINATION PIT (FTTH)
- COMMUNICATIONS PIT LT
- DETECTOR LOOP

TYPICAL UNDERGROUND PIT SYSTEM

533 MAX
MARKER TAPE
BACKFILL (SEE NOTE 13)
3 X 10mm PLUS 1 X 8mm
CONDUCTS WITH ENDS CAPED

530 MAX
MARKER TAPE
BACKFILL (SEE NOTE 13)
3 X 10mm PLUS 1 X 8mm
CONDUCTS WITH ENDS CAPED

538 MAX
MARKER TAPE
BACKFILL (SEE NOTE 13)
4 X 10mm PLUS 2 X 8mm
CONDUCTS WITH ENDS CAPED.

NOTES
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH MAIN ROADS SPECIFICATION 710 AND TRAFFIC SIGNAL DESIGN GUIDELINES.
2. CONDUCTS SHOULD BE INSTALLED WHERE THEY CAN BE READILY ACCESSED FOR CABLE BY SIMPLER EXCAVATION WITHOUT THE NEED TO DISTURB ROAD PAVEMENT, CONCRETE PADS, ETC.
3. CONDUCTS SHALL CROSS ROADS CONTINUOUSLY THROUGH MEANDERS AND IN STRAIGHT LINES, PREFERABLY PERPENDICULAR TO THE TRAFFIC LANES.
4. CONDUCTS SHALL NOT BE INSTALLED UNDER PEDESTRIAN RAMPS OR GAPS.
5. CLEARANCE BETWEEN CONDUCTS AND SIGNAL POSTS SHALL BE 200mm MINIMUM.
6. EXCEPT WHERE INSTALLED BY BORING, ALL CONDUCTS SHALL HAVE A MARKER TAPE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 710.
7. WHERE CONDUCTS ARE INSTALLED BY BORING THE INDIVIDUAL CONDUIT ENDS SHALL BE IDENTIFIED AND MARKED.
8. ALL CONDUCTS SHALL BE RUN THROUGH TERMINATING PITS AND CABLE DRAW PITS. LOOP FEEDER CONDUCTS ONLY SHALL ALSO BE RUN THROUGH LOOP PITS.
9. WHERE FUTURE EXPANSION IS ANTICIPATED, SUITABLE CONDUCTS SHOULD BE ARRANGED TO ACCOMMODATE EXPECTED ADDITIONAL POSTS AND PITS.
10. PITS SHALL NOT BE INSTALLED IN PEDESTRIAN RAMPS OR GAPS, OR WHERE THEY COULD BE SUBJECT TO FLOODING.
11. CLEARANCE BETWEEN PITS AND SIGNAL POSTS SHALL BE 2.0M MINIMUM WHERE POSSIBLE.
12. CLEARANCE BETWEEN PILOTS AND TRAFFIC SHALL BE IN ACCORDANCE WITH MAIN ROADS TRAFFIC SIGNAL DESIGN GUIDELINES.
13. MARKFILL AND REDEMPTION OF ROAD SURFACE SHALL BE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 710.

CONDUIT, PIT, POST & LOOP LAYOUT
FACILITIES: 4-WAY INTERSECTION