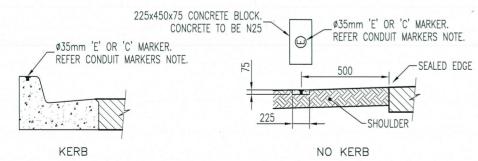


ROAD PAVEMENT 100MIN. BEDDING SAND SEE NOTE 4 50 MIN. 450 MIN. REFER NOTE 2

BORED CONDUITS



ALL CONDUIT ROAD CROSSING LOCATIONS SHALL BE CLEARLY MARKED WITH A \$35mm STAINLESS STEEL OR BRASS 'E'
MARKER FOR ELECTRICAL CONDUIT OR 'C' MARKER FOR COMMUNICATIONS CONDUIT. THE MARKERS SHALL BE
SECURELY EMBEDDED IN THE KERB DIRECTLY ABOVE THE CONDUITS. WHERE NO KERB EXIST, MARKERS SHALL BE
PLACED AS SHOWN ABOVE, DIRECTLY ABOVE CONDUITS.

CONDUIT MARKERS

NOTES:

BEFORE SURFACING IS UNDERTAKEN.

OTHERWISE THE REQUIREMENTS AS PER NOTE 9

APPLY.

- FOR TRAFFIC SIGNALS AND RATE 3 LIGHTING THE CONDUIT SYSTEM TO BE USED IS CATEGORY A CONDUIT TYPE (A) COMPLYING WITH AS3000 EXCEPT THE DEPTHS SHALL BE AS SHOWN IN NOTE 3.
- WITH THE APPROVAL OF THE SUPERINTENDENT THE MINIMUM WIDTH OF THE TRENCH MAY BE LESS THAN 450mm PROVIDED THAT AT LEAST 50mm CLEARENCE BETWEEN THE EDGE OF DUCT AND TRENCH WALL IS MAINTAINED.
- 3. CONDUIT DEPTHS AS FOLLOWS:

	TRENCH		BORED		
	MINOR ROAD	MAJOR ROAD	MINOR ROAD	MAJOR ROAD	
ROADWAY	750	1200	1500*	2000	
FOOTWAY OR ISLAND	600	750	900	1100	

WHERE THE LOCATION OF THE PIT AT THE END OF THE ROAD CROSSING, OR THE CONDUIT PASSES UNDER A MEDIAN CONNECTION OR PIT, THE BORE MAY RISE TO A MINIMUM 1200 TO ALLOW CONDUITS TO ENTER THE PIT(S). PERMANENTLY MARK THE BORE LOCATION AT ALL KERB AND PAVEMENT EDGE LOCATIONS.

THE DEPTH MAY ONLY BE ALTERED AND/OR THE REDUCED COVER REQUIREMENTS USED WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:

- (i) THE CONDUITS CANNOT BE INSTALLED IN ACCORDANCE WITH THE ABOVE TABLE;
- (ii) THE CONDUIT SYSTEM REMAINS CATEGORY A (AS DEFINED IN AS3000); AND
- (iii) IT IS APPROVED BY THE SUPERINTENDENT PRIOR TO INSTALLATION.

<u>LEGEND</u>

- # INITIAL SAWCUT FOR TRENCH
- † ADDITIONAL SAWCUT ON COMPLETION OF BACKFILL
- 4. BEDDING MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF BCC REFERENCE SPECIFICATIONS \$140 AND \$145.
- MARKER TAPE TO BE ORANGE AND IN COMPLIANCE WITH AS2648.1.
 THE TAPE SHALL BE LAID AT 180-200MM ABOVE THE CONDUIT OR
 ANY ADDITIONAL MECHANICAL PROTECTION.
- COVER STRIP TO BE 5mm THICK POLYMERIC CABLE PROTECTION COVER TO AS4702. COVER STRIP TO BE LAID CENTRALLY IN TRENCH ON TOP OF BEDDING MATERIAL LAYER AND BE LAPPED WHEN PLACED TOGETHER: MINIMUM 100mm LONGITUDINALLY AND 40mm TRANSVERSELY. COVER STRIP TO EXTEND MINIMUM 40mm PAST EXTERNAL EDGES OF CONDUITS.
- 7. BACKFILL SHALL BE LEAN MIX (1:20) LOW SLUMP CONCRETE COMPACTED IN LIFTS OF 125-150mm TO 100% RDD.
- FILL MATERIAL SHALL BE MINIMUM CLASS 3 MATERIAL AS SPECIFIED IN BCC REFERENCE SPECIFICATIONS S140 AND S300 COMPACTED TO 100% RDD.
- 9. REINSTATEMENT OF TRENCH IN EXISTING ROAD PAVEMENT TO BE IN ACCORDANCE WITH BSD-2042 AND COMPLY WITH THE REQUIREMENTS OF BCC REFERENCE SPECIFICATIONS \$145 & \$310.
- 10. EARTH ELECTRODE AT THE BOTTOM OF THE TRENCH, 4m IN LENGTH.
- 11. ALL DIMENSIONS ARE IN MILLIMETRES (U.N.O.).

			4-45-	
С	Note 10 removed	8. W. SA116	JULS 579/16	ANG 5 9 K
В	Note 3 Updated	JAN '15	JUN '15	JUN '15
Α	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14
ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE

MULTIPLE CONDUITS

DRAWING AUTHORISED FOR PUBLICATION DESIGN Std Dwgs WG DATE Oct'04 PAUL COTTON SIGNATURE ON ORIGINAL DATED 25/02/05 CPO - P&D DRAWN DATE Nov'04 MANAGER INFRASTRUCTURE MANAGEMENT R.P.E.Q: 2546 CHECKED UMD (T&T Signals) DATE Feb'04 DESIGN APPROVED ADRIAN GIBBONS SIGNATURE ON ORIGINAL BSD-4015 (B) Traffic signal ducts installation detail low voltage (240V) conduits.di FILENAME _____DATED 02/05 ____ ASSOCIATED PLANS SUPERSEDES UMS-600-024 TEAM LEADER SIGNALS OPERATION



BRISBANE CITY COUNCIL STANDARD DRAWING

TRAFFIC SIGNAL DUCTS INSTALLATION DETAIL LOW VOLTAGE (240V) CONDUITS

1	SCALE	NOT	TO	SCALE		
	BSD-4015					
	ORIGINAL SI	žŧ АЗ		REVISION		

CONCRETE THICKNESS