





12 CHECK FOR OTHER SERVICES BEFORE BORING OR EXCAVATION. PHONE DIAL-BEFORE-YOU-DIG ON TELEPHONE 1100 OR AT www.byda.com.au NOTE IT IS THE RESPONSIBILITY OF CUSTOMERS TO ENSURE THAT ONLY SERVICE PROVIDERS WHO ARE SUITABLY ACCREDITED ARE ENGAGED ON CONTESTABLE WORKS, AND TO ENSURE THAT ONLY AUTHORISED PERSONS ARE EMPLOYED ON AUTHORISED WORK. THE CUSTOMER IS RESPONSIBLE FOR THE CONSTRUCTION, OPERATION AND MAINTENANCE OF THE HIGH VOLTAGE CUSTOMER'S INSTALLATION IN ACCORDANCE WITH THE UNDERGROUND CONSTRUCTION WORKS SCHEDULE (DUCT PULL 1.1 SOFTWARE USED) AUSTRALIAN WIRING RULES AS/NZS 3000, THE SERVICE AND INSTALLATION RULES OF NSW AND ANY SPECIFIC REQUIREMENTS OF THE AUSGRID'S MIN. INTERNAL NOMINATED MODEL STANDING OFFER OR NEGOTIATED CONNECTION **ROUTE** BENDING MIN. INTERNAL BENDING CALCULATED MAX. CONDUCTOR DISTANCE VOLTAGE OFFER. CONDUCTOR OR ASSET DETAIL CODE / RADIUS (mm) RADIUS (mm) PULLING TENSION (kN) CONSTRUCTION DETAIL IDENTIFIER STOCK CODE DURING AFTER INSTALLATION | DURING INSTALLATION INSTALLATION HVC & TERMINATION INSTALL KR TYPE KIOSK HVC AS PER DRAWING NUMBER 258017. EARTHING AS 116. PIERING AS PER NS117&NS141. NOTE: HV METERING EQUIPMENT SHALL BE PROVIDED IN ACCORDANCE WITH THE REGULATIONS AND AUSGRID'S ELECTRICAL STANDARD ES 3 - METERING INSTALLATIONS. THE CUSTOMER'S HV METERING EQUIPMENT (VTS AND CTS) SHALL BE PART OF THE CUSTOMER'S INSTALLATION AND SHALL BE SUPPLIED AND MAINTAINED BY THE CUSTOMER. METERING EQUIPMENT SHALL NOT BE LOCATED WITHIN ANY PART OF AUSGRID'S HVC. THE TYPE OF CONSUMER'S MAINS AND ASSOCIATED CABLE ACCESSORIES SHALL BE COMPATIBLE WITH, AND SUITABLE FOR CONNECTION TO, AUSGRID'S HVC EQUIPMENT, INCLUDING PROTECTION CTS, ETC. NOTE: AUXILIARY LOW VOLTAGE SUPPLY: A NOMINAL 240VAC 20A SINGLE PHASE 1xKR TYPE KIOSK HVC N/A 11KV S/C-186402 N/A CIRCUIT SHALL BE PROVIDED FROM THE CUSTOMER'S MAIN LOW VOLTAGE SWITCHBOARD. THIS IS REQUIRED TO PROVIDE SUPPLY FOR PROTECTION BATTERY CHARGING, LIGHTING AND POWER WITHIN THE HVC SUBSTATION. THE SUB-CIRCUIT ORIGINATING FROM THE CUSTOMERS MAIN SWITCHBOARD MUST BE DEDICATED FOR AUSGRID'S EXCLUSIVE USE ONLY AND SHALL NOT HAVE ANY RESIDUAL CURRENT DETECTION (RCD) OR ELCB DEVICE. THIS IS TO AVOID SPURIOUS TRIPPING. THE CIRCUIT SHALL TERMINATE IN THE HVC SUBSTATION SERVICE BOARD AS SHOWN ON AUSGRID DRAWING 169394. THE CIRCUIT MAINS SHALL BE DOUBLE INSULATED AND CONSIST OF ACTIVE AND NEUTRAL CONDUCTORS ONLY, NO EARTHING CONDUCTOR IS TO BE INCLUDED IN THE CIRCUIT MAINS. THE NEUTRAL IS TO BE TERMINATED ON THE NEUTRAL INSULATED BUSBAR IN A KIOSK SITUATION. NOTE: ORDER LARGER RMU TO SUIT CONNECTION. STANDARD RMU HAS 200A RATED T OFF TO MSB. N/A 11KV 1xHV TERMINATION (HV1-52) N/A TERMINATE 1x300CU1 TRIPLEX CABLE N/A N/A N/A CONDUIT A - B 30 N/A INSTALL 4x150mm (3 SPARE) PVC CONDUIT N/A N/A N/A N/A INSTALL CONDUIT AS PER ASSOCIATED TRENCH CROSS SECTION **TRENCH** N/A PROPOSED TRENCH EXCAVATE AS PER TRENCH CROSS SECTION 30 N/A N/A N/A A - B N/A CABLES 850 (Bundled) 1275(Bundled) RUN UNDERGROUND CABLE IN CONDUIT AS PER ASSOCIATED TRENCH CROSS 1x300 CU1 TRXQ 70 CU(WS) Z YQ/Triplex 50 11KV 179122 960 (Phase) 575 (Phase) OVERHEAD CONSTRUCTION WORKS SCHEDULE HV CONSTRUCTION | LV CONSTRUCTION No. of POLE SIZE STRENGTH POLE TYPE DEPTH FOOTING DETAILS CONST ATTACHED CONST ATTACHED STAY STAY ATTACHED STAY BEARING VIBRATION ARMOUR ADDITIONAL CONSTRUCTION DETAIL (m) FROM | BEARING | DAMPERS | RODS TYPE (m) FROM HEAD OF POLE (M) FROM HEAD OF POLE TYPE SIZE (M) FROM (Deg) INSTALL NEW 11KV UGOH AS PER DRAWING NUMBER 160354. 2-11 EARTHING AS PER AUSGRID EARTHING DESIGN. AJ-30907 EX EX EX EX 11KV CONSTRUCT 11KV BARE THROUGH TERMINATION UGOH CONSTRUCTION. RE-STRING 11KV BARE CABLE AS PER ASSOCIATED STRINIGN TABLE. DESIGNED BY Braj Dubey PROPOSED 11kV HVC FOR PROPOSED EXISTING UGOH ● Pot End ◀ OH lines \bigotimes FOR HV SUPPLY - STAGE 2 SUBMIT DATE 10.11.2023 SL Standard 0 Joint ∽ Sealed End < Joint → Sealed End ◆ Ground Sub MUSWELLBROOK LOT 51 DP 776564 Pillar Standard 🛛 Node Point 345 George Street, Ph (02) 9241 4188 P.O. Box H171 SYDNEY, N.S.W. 2000 Fax (02) 9241 4324 Australia Square, N.S.W. 1215 MAP REF. 981 NEW ENGLAND HWY AUSGRID REF. AJ33/AJ44 Email SYDNEY@northrop.com.au ABN 81 094 433 100 Mains Section Change 🕨 PRJTRAK No. XCW027935 ABERDEEN, NSW 2336 ASP REF. SY230159 - R05 - STAGE 2 Streetlight — Chamber Sub Ü Streetlight-PEC—— — Pole Sub | CERTIFICATION NUMBER | 1166170/20231122 | 🛱 1 | AN-25360 ASSOCIATED DRAWINGS 4 of 6 0 Streetlight-replacement — Two Pole Sub 🕠 HV¥ LV★ SL★ UG Mains

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