820x667

PARISH OF WOODEND

HONEYSUCKLE LANE

OLD LANCEFIELD ROAD

62 OLD LANCEFIELD ROAD

FOR O/H DETAILS HONEYSUCKLE SPUR SEE VG8/1655

IDMF #003877610

(E) HV 3-19/3.25AAC
(E) LV - 4x95mm ABC

12 (LIS-908475) 30'A LV TERM No 5-45 LV ABC TERM NO 5-45 LV MAINS C/H (GE121) 400A FSD / 250A ABC's STANDARD OUTPUT PLED ON 0.5 POLE BRACKET (FE101)

IDMF #004292342

(N) SERVICE TEE (GS401)

(N) SERVICE TEE (GS401)

CUT INTO EXISTING CONDUIT

REMOVE PIT
REMOVE 4x16mm XLPE TO 7L5X

(N) SERVICE TEE (GS401) & PIT TO SUPPLY NBN & TELSTRA

STEPHENS 7L6X (LIS-908510) 30'Bw LV TERM No 4-45* 3xLV CH

PCA50/80071559 4x16mm XLPE #63

(N) INSUL END (GS351)

(E) PIT

CABLE SUPPLYING NO 62 TO BE LAYED DOWN & TERMINATED INTO (E) PIT. SUPPLY PIT FROM SERVICE TEE JOINT

ENSURE PRIVATE U/G CABLE IS DOUBLE INSULATED UNABLE TO FIND PIT OR

(PCA50/1319648) 4x35mm xlpe. REMOVE CABLE

(N) #100

(N) #63

(N) #32

PL1 (LIS-887753)

PL2 (LIS-887753)

PL3 (LIS-887754)

PL4 (LIS-887753)

(E) 2x6mm #63 PRIVATE CABLE OWNED BY NBNCo

#63 (PRIVATE NBN)

TELSTRA 110x 80W CONDUIT (E) #63 SPARE

(N) PIT INSTALLED 200mm OFFSET FROM BOUNDARY MIN 150mm INCASED IN CONC. INSTALL LEAD-IN CONDUITS

(N) PITS INSTALLED 200mm OFFSET FROM BOUNDARY MIN 150mm INCASED IN CONC. INSTALL LEAD-IN CONDUITS

NBN NODE

REMOVE PIT
(N) PIT INSTALLED 200mm OFFSET FROM BOUNDARY
(N) 4x16mm XLPE FROM SERVICE TEE IN (E) CONDUIT
MIN 150mm INCASED IN CONC.
INSTALL LEAD-IN CONDUIT

TELSTRA RIM

REMOVE PIT
(N) PIT INSTALLED 500mm OFFSET FROM BOUNDARY
REDIRECT (E) 4x35mm XLPE
MIN 150mm INCASED IN CONC.
INSTALL LEAD-IN CONDUIT

REMOVE PIT
(N) PIT INSTALLED 500mm OFFSET FROM BOUNDARY
REDIRECT (E) 4x16mm XLPE.
MIN 150mm INCASED IN CONC.
INSTALL LEAD-IN CONDUIT

REMOVE PIT&
4x16mm TO 7L4X

(E) INSUL END & PIT
(E) SERVICE TEE
(N) INSUL END (GS351)

(N) PIT INSTALLED 500mm OFFSET FROM BOUNDARY.
REDIRECT (E) 4x16mm XLPE FROM (E) SERVICE TEE
MIN 150mm INCASED IN CONC
INSTALL LEAD-IN CONDUITS.

REMOVE PIT
REMOVE 4x16mm TO SERVICE TEE
ABANDON CONDUIT

(N) PIT INSTALLED 500mm OFFSET FROM BOUNDARY.
MIN 150mm INCASED IN CONC
INSTALL LEAD-IN CONDUITS

STEPHENS 7L5X (LIS-798873) 11/5w LV INTER

STEPHENS 7L4X (LIS-908509) 30'A LV TERM No 5-45 1xSERVICE LV CH 1xMAINS LV CH

(N) SERVICE TEE (GS401)

(E) SERVICE TEE

OLD LANCEFIELD N4 (LIS-782407) 8M/1KN STANDARD OUTPUT PLED

FOR U/G DETAILS QUAHLEE ESTATE STG1 SEE PCA41/5067033

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12

52 54 56 123

PUBLIC LIGHTING NOTE

ALL P/L POLES TO INSTALLED 1.5m FROM B.O.K UNLESS STATED OTHERWISE

PUBLIC LIGHTING SCHEDULE

FOR PL POLE Nos:	PL1 - PL4
LANTERN:	STANDARD
WATTAGE & TYPE MANUFACTURE MODEL & CAT No MOUNTING HEIGHT COLOUR	STAND OUTPUT PLED ALDRIDGE AERO "P" LED 5.5m GALVANISED
POLE:	STANDARD
MANUFACTURER MODEL & CAT No LENGTH & STRENGTH COLOUR	- STANDARD URD 6.9/1kN GALVANISED
BRACKET:	-
MANUFACTURER TYPE LENGTH COLOUR	- - - -
COUNCIL:	MACEDON RANGES

CABLE BORING DEPTHS

MIN. DEPTH FOR U/G CABLE BORING
ACROSS ROADWAYS
VIC. ROADS MANAGED = 1200mm
COUNCIL MANAGED = 750mm

NBN & TELSTRA SUPPLY

CUSTOMER RESPONSIBLE TO ENGAGE REC TO RECONNECT THE TELSTRA RIM STATION & NBN NODE STATION FROM NEW PIT TO BE SUPPLIED

MELBOURNE ONE CALL SYSTEM DIAL 1100 DIAL BEFORE YOU DIG

SERVICE LOCATIONS

STREET NAME	GAS		WATER		ELEC		TELCO	
	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE
OLD LANCEFIELD RD - EAST SIDE	3.0m	EAST	-	-	-	-	-	-
OLD LANCEFIELD RD - WEST SIDE	5.5-6.0m	WEST	4.5m	WEST	2.3m	WEST	1.5m	WEST
HONEYSUCKLE LNE - NORTH SIDE	-	__	2.3m	NORTH	3.8m	NORTH	0.9m	NORTH
HONEYSUCKLE LNE - SOUTH SIDE	3.0m	SOUTH	2.5-3.5m	SOUTH	6.4m	SOUTH	VARIES	SOUTH

CONDUCTOR SCHEDULE

LV SERIES	CONDUCTOR	STRINGING	ROUTE LENGTH
(R) STEPHENS 7L4X (LIS-908509) - (R) STEPHENS 7L6X (LIS-908510)	(R) 4-7/.080Cu	-	68.5m

CABLE SCHEDULE

CABLE ID	VOLTAGE	CABLE LOCATION	CABLE DETAILS	CABLE LENGTH
LVM1	240/415 VOLTS	FROM P12 HONEYSUCKLE LANE TO I.E. J1	240 4/c/v.sa.x	150m
LVM2	240/415 VOLTS	FROM P7 STEPHENS TO I.E. J2 J3	240 4/c/v.sa.x.	295m
SERVICE CABLE	240/415 VOLTS		16 4/c/v.c.x.	170m
P/L CABLE	240V		6 2/c/v.c.v.	70m

CLEARANCE OF ELECTRICAL CABLES & CONDUITS (UP TO 22kV) TO OTHER UTILITY ASSETSAND STRUCTURES - AUDITING GUIDELINE

	MINIMUM HORIZONTAL OR PARALLEL CLEARANCE (OFFSET) TO CABLE OR CONDUIT		MINIMUM VERTICAL & CROSSING CLEARANCE[4]
WATER	≤ 200 WATER MAIN: 500mm - SEPARATE TRENCH 300mm - SHARED TRENCH	> 200 TO ≤ 375mm WATER MAIN[1]: 1000mm - SEPARATE TRENCH 600mm - SHARED TRENCH	225mm
GAS	≤ 50mm GAS PIPE: 300mm	≥ 50mm GAS PIPE: 500mm	150mm
COMMUNICATIONS[3]	100mm TO LV CABLE/CONDUIT, 300mm TO HV CABLE/CONDUIT 50mm TO LV COVER SLAB, 350mm TO HV COVER SLAB		100mm LV, 300mm HV
STREET LIGHT POLES	300mm TO ALL OTHER ASSETS		N/A
STORM WATER PIPE	300mm		100mm LV, 300mm HV
OTHER ASSETS[2], STRUCTURES[7]	100mm LV, 300mm HV		100mm LV, 300mm HV

NOTES:
1. ALL SPECIFIED DISTANCES ARE THE MINIMUM REQUIREMENT MEASURED BETWEEN ASSET EDGES OR FACES
2. SPECIFIED CLEARANCE APPLIES TO BOTH LV AND HV ELECTRICAL ASSETS WHERE NOT NOTED
3. ANY VARIATIONS TO THESE MINIMUM CLEARANCES MUST HAVE PRIOR WRITTEN APPROVAL FROM THE CIP(OWER/ POWERCOR RESPONSIBLE OFFICER AND/OR MANAGER TECHNICAL STANDARDS
4. CROSSING CLEARANCES DOCUMENTED ARE TO THE ELECTRICAL CABLE OR CONDUIT. THE MINIMUM CROSSING CLEARANCE ABOVE CABLE COVER SLABS SHALL BE 50mm TO LV & 250mm TO HV COVER SLABS FOR COMMUNICATION CABLES; 175mm TO WATER; 100mm TO GAS ETC.
5. LARGER PIPE SIZES MAY REQUIRE ADDITIONAL CLEARANCES - CONSULT RELEVANT WATER AUTHORITY
6. INCLUDES PROPERTY LEAD-IN CONDUITS
7. INCLUDES STORM WATER PITS, SEWER INSPECTION POINT SHAFTS ETC. (ALL CABLE JOINTS MINIMUM 300mm CLEARANCE)

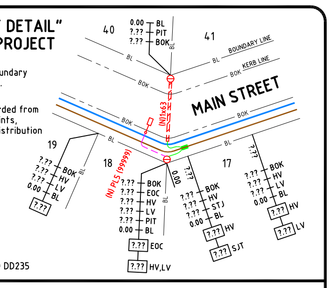
UG CABLE "AS-BUILT DETAIL" REQUIRED FOR THIS PROJECT

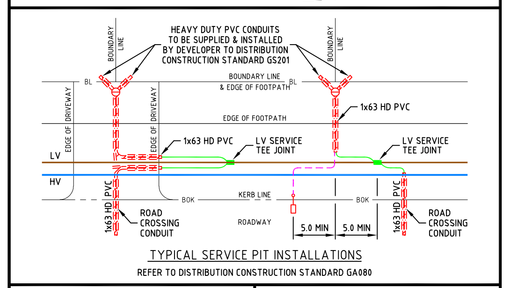
OFFSET DIMENSIONS
Offsets of the UG Assets from Boundary Line (BL) or the back of Kerb (BOK).

RUNNING DIMENSIONS
Accurate distances are to be recorded from Lot Boundaries to the middle of Joints, End of Conduits, Parallel Pillars, Distribution Cabinets and Kiosk Substations.

DEPTH DIMENSIONS
Depth of UG Asset to be recorded at the following points -
- Lot Boundaries
- Bends in Cable
- Joints
- End of Conduits
- Kiosk Substations
- Parallel Pillars
- Distribution Cabinets

REFER TO EN DRAFTING STANDARD DD235





TYPICAL SERVICE PIT INSTALLATIONS
REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA080

TABLE 1 - Minimum Depths for UG Lines from Surface of the Ground

Application	Depth to Top of Cable Buried	Depth to Top of Conduit with Cover Slab	Depth to Top of Conduit or Pipe
LV - multicore 1kV-22kV 66kV	750mm 750mm 1000mm	600mm 600mm 750mm	600mm 600mm 750mm

REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA211

TABLE 3 - Horizontal Cable Separation

Cables in Trench	Separation
1 Service or PL, 1 LV	50
2 Services or PL, 1 LV	50 50
1 Service or PL, 2 LV	50 50 50
1 Service or PL, 3 LV	50 50 50 50
1 Service or PL, 1 HV*	300 50
1 Service or PL, 2 HV*	300 50 50
1 Service or PL, 2 LV, 2 HV*	50 50 300 50

* Service and Public Lighting Cables may be placed touching. LV Mains Cable where this is unavoidable
* Plus 2x 75x1.25/4 or 6kV

REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA211

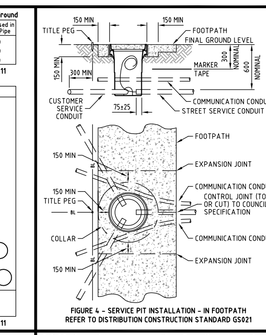


FIGURE 4 - SERVICE PIT INSTALLATION - IN FOOTPATH
REFER TO DISTRIBUTION CONSTRUCTION STANDARD GS621

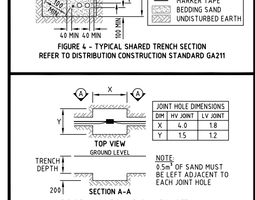


FIGURE 4 - TYPICAL SHARED TRENCH SECTION
REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA211

TABLE 5 - Common Cable Arrangements - Shared Trench (Communications Carrier)

NUMBER OF CABLES	MINIMUM TRENCH WIDTH (mm) WITH NiPGEO COMMUNICATIONS CONDUIT	WITH NiPGEO & SUPEX COMMUNICATIONS CONDUIT	POLYMERIC SLAB SIZE (mm)
1 LV	600	600	270
2 LV	650	750	320
3 LV	650	750	320
4 LV	700	800	370
1 HV & 1 LV	900	900	370+320
1 HV & 2 LV	900	900	370+320
1 HV & 3 LV	1100	1100	370+320
2 HV & 1 LV	1100	1100	370+320
2 HV & 2 LV	1100	1100	370+320
2 HV & 3 LV	1100	1200	370+370+320

NOTES: THE ABOVE ARRANGEMENTS MAY ALSO INCLUDE SERVICE AND PUBLIC LIGHTING CABLES. REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA211

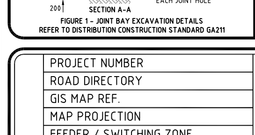


FIGURE 1 - JOINT BAY EXCAVATION DETAILS
REFER TO DISTRIBUTION CONSTRUCTION STANDARD GA211

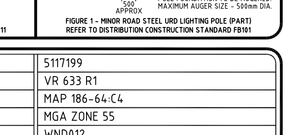
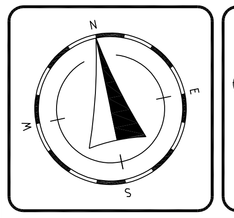


FIGURE 1 - MINOR ROAD STEEL URD LIGHTING POLE (PART)
REFER TO DISTRIBUTION CONSTRUCTION STANDARD FB101

REFERENCE	
PROJECT NUMBER	5117199
ROAD DIRECTORY	VR 633 R1
GIS MAP REF.	MAP 186-64/C4
MAP PROJECTION	MGA ZONE 55
FEEDER / SWITCHING ZONE	WND012
REFERENCE DRAWING	N/A
REFERENCE DRAWING	N/A
PROJECT MANAGER	T.HUGHAN
DEVELOPER / No. OF LOTS	12 LOTS



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Electricity Networks
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Melbourne 8001
www.citipower.com.au
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2.5 0 2.5 5.0 7.5 10.0 12.5 15.0
LENGTHS ARE IN METRES

SCALE: 1:250

REVISION	18/06	UPDATE P/L TO STANDARD				SR
DRAWING NUMBER	PCA40	5117199		1	A	SHEET 1 OF 1

HONEYSUCKLE LM & OLD LANCEFIELD RD UG CONSTRUCTION PLAN - URD WOODEND DETAIL DESIGN

DRAWN	DRAFTING CHECK	DESIGNER	DESIGN APPROVAL	PROJECT MANAGER
S.ROOKE 20/03/19	D.ANDERSON 05/04/19	S.ROOKE 20/03/19	K.RICHIE 11/04/19	T.HUGHAN 20/03/19

LEGEND

GENERAL: BOUNDARY LINE; BACK OF KERB; FACE OF KERB; LIP OF KERB; STORM WATER PIT; (54496) POLE NUMBER; 609 PROPERTY NUMBER; Lot 23 LOT NUMBER; CONDUIT - OCCUPIED; CONDUIT - SPARE

EXISTING: HV CABLE; LV MAINS CABLE; LV SERVICE CABLE; PUBLIC LIGHTING CABLE; HV STRAIGHT JOINT; HV TEE JOINT; HV SEALED END; HV CUT END; LV STRAIGHT JOINT; LV TEE JOINT; LV SERV TEE JOINT; LV INSULATED END; LV SEALED END; LV CUT END; CONDUIT; SERVICE PIT (TYPICAL); SERVICE PIT (ROADWAY); PILLAR (SERVICE); PILLAR (PARALLELING); 80W MV PL & COLUMN; 55W HPS PL & COLUMN; SUBTRANS POLE; HV POLE; LV POLE (GENERAL); SUBSTATION (POLE); HV CABLE HEAD POLE; LV CABLE HEAD POLE

NEW: HV CABLE; LV MAINS CABLE; LV SERVICE CABLE; PUBLIC LIGHTING CABLE; HV STRAIGHT JOINT; HV TEE JOINT; HV SEALED END; HV CUT END; LV STRAIGHT JOINT; LV TEE JOINT; LV SERV TEE JOINT; LV INSULATED END; LV SEALED END; LV CUT END; CONDUIT; SERVICE PIT (TYPICAL); SERVICE PIT (ROADWAY); PILLAR (SERVICE); PILLAR (PARALLELING); 80W MV PL & COLUMN; 55W HPS PL & COLUMN; SUBTRANS POLE; HV POLE; LV POLE (GENERAL); SUBSTATION (POLE); HV CABLE HEAD POLE; LV CABLE HEAD POLE

OTHER SERVICES: D DRAIN; / FENCE; G GAS MAIN; S SEWER; T TELCO; W WATER MAIN

CAUTIONS

FOR DETAILS OF CONDITIONS REFER TO DIAL BEFORE YOU DIG INFORMATION

Electricity Networks - EN UG CONSTRUCTION PLAN B1 URD - V3.0

B1