

LEGEND: NBN CONDUITS & PITS

- Fibre Access Node (FAN) site
- Fibre Distribution Hub (FDH) site - 1m x 1m
- Proposed 100mm Main Conduit
- Proposed 50mm Lateral Conduit
- Proposed 23mm Service Drop
- Proposed length of bored conduit
- Conduits by Civil Contractor
- Proposed shared trench
- Service Drop Access Pit
- Local Network Pit
- Premises Connection (Houses an MPT)
- Boundary Pit
- Cross-Road & Other Premises Connection (No MPT)
- Local Network Connection Pit
- Premises Connection & Fibre Splice Closure
- Distribution / Local Network Connection Pit at entry/exit to estate; @ 250m ccs on distribution conduit
- Fibre Distribution Hub (FDH) Pit Within 5m of FDH Site
- Multi Dwelling Unit (MDU)
- Marker Post (Post to be numbered)
- Depth over alignment indicator (used with every Marker Post)
- Descriptor Box (Description of type of work & Quantity involved)
- Transformer
- Pad Mount / Pole Mount
- Existing Telstra conduit trench layout (Proposed conduit indicated for comms cable)
- Existing NBN 100mm conduit
- Existing Telstra P100 conduit
- Existing or proposed Energex pole (& pole ID)
- Existing Telstra Exchange
- Existing Telstra Pits (size 2,3,4,5,6,7,8 or 9)
- Existing Telstra Manholes (Access Chambers)
- Existing Traffic Signals Box
- Existing network item to be removed/replaced
- 'C' communications marker plate

'AS CONSTRUCTED' DOCUMENTS

The electrical contractor shall email the "as constructed" drawing, test results & closure documents to:

- asconstructed@robusr.com.au

'AS CONSTRUCTED' CERTIFICATION

I certify as follows:

The installation of NBN conduits and pits has been completed in accordance with this drawing & NBN specification NBN-TE-CTO-194, subject to any changes marked up in red. Mandrel testing of all conduits has been performed as detailed on the attached Mandrel Test Report. The minimum depths of conduits are as specified, except as marked up in red.

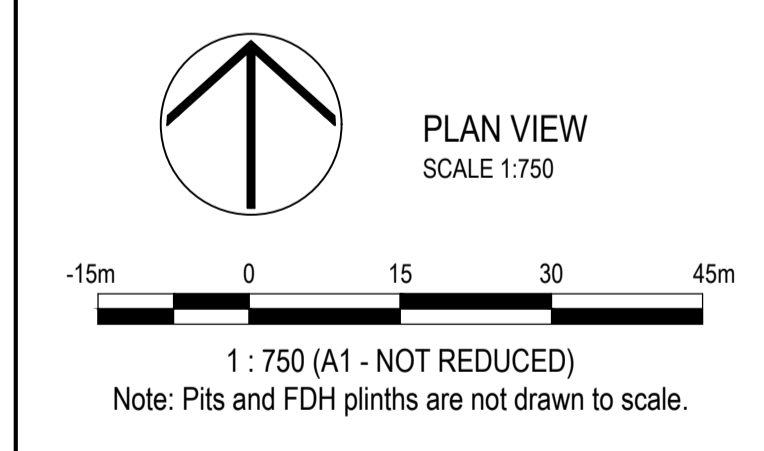
signature of certifier: _____
 name of authorised certifier: _____
 date of certification: _____
 name of company: _____
 certifier's position: _____

CONSTRUCTION CONTACTS

ELECTRICAL ENGINEER
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 COMMS CONDUIT DESIGNER
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 ANDREW NGO ph: 0422 302 805

SURVEYOR
 NORRIS, CLARKE & OBRIEN PTY. LTD.
 TIM JARVIS ph: 07 3012 0000



ORIGINAL ISSUE

SITE INFORMATION

TOTAL NUMBER OF LOTS: 49

PROPERTY DESCRIPTION: PROPOSED LOTS 1 - 49 CANCELLING LOT 3 ON SP186470

NBN CONDUIT SCHEDULE - CIVIL CONTRACTOR

Refer: AS/NZS 1477:2006 - Table 4.2(A)

CODE	ITEM	WALL THICKNESS	MEAN OUTSIDE DIA.	MEAN INSIDE DIA.	QUANTITY (metres)
P20	SDU service drop	PN12	27mm	24mm	-
P50	MDU service drop	PN12	60mm	54mm	-
P50	road crossing	PN12	60mm	54mm	107
P100	road crossing	PN9	114mm	104mm	120
P100	footpath conduits adj. retaining walls	PN9	114mm	104mm	52
	Additional trenching				14

NBN CONDUIT SCHEDULE - ELECTRICAL CONTRACTOR

Refer: AS/NZS 1477:2006 - Table 4.2(A)

CODE	ITEM	WALL THICKNESS	MEAN OUTSIDE DIA.	MEAN INSIDE DIA.	QUANTITY (metres)
P20	SDU service drop	PN12	27mm	24mm	300
P50	MDU service drop	PN12	60mm	54mm	-
P50	footpath	PN12	60mm	54mm	160
P100	footpath	PN9	114mm	104mm	580
P100	distribution network	PN9	114mm	104mm	-
	Additional trenching				25

SOURCE DOCUMENTS

CREATOR	DRAWING	DWG. NO.	REV. NO.	DATE
ROBIN RUSSELL & ASSOCIATES	ELECTRICAL	D930	A	21/04/2022
PEAKURBAN	CIVIL	21-0333_X_BASE_DESIGN CAD BASE 20220310.dwg	-	10/03/2022

NBN PIT SCHEDULE - ELECTRICAL CONTRACTOR

PIT CODE	ITEM	NOMINAL EXTERNAL DIMENSIONS	QUANTITY
2	service drop access pit	650 x 280 x 565mm	9
5	service/boundary pit (single lid)	700 x 450 x 650mm	20
6	local network connection pit (dual lid)	1360 x 555 x 650mm	2
8	distribution/local network connection pit (dual lid)	1360 x 555 x 860mm	1

NOTES - NBN

NBN conduits and pits shall be installed in compliance with NBN Co specification: NBN-TE-CTO-194 V 8.0 New Developments: Deployment of the NBN Co Conduit and Pit Network - Guidelines for Developers. This can be downloaded at: <http://www.nbnco.com.au/develop-or-plan-with-the-nbn-new-developments/design-build-install-pit-and-pipe-build-process.html>

Additional requirements and explanatory information are contained in Robin Russell & Associates' General Specification for Installation of Electricity Reticulation and Street Lighting - Issue 'AA'.

For details of trenching and electrical conduits, refer associated RRA works plan.

In residential subdivisions, NBN conduits shall be laid in shared trenches, above electricity conduits. The Civil Contractor shall install road-crossing conduits and other conduits as shown (see legend).

In commercial subdivisions, or where no electricity conduit is present, NBN conduits shall be laid on the standard telecommunications alignment, as specified.

On State roads, the required cover of 1200mm precludes the use of shared trenches.

The installation of white warning tape is NOT required. If conduit is not installed in a shared trench with electricity, brass 'C' markers shall be installed in the kerbs directly above road-crossing conduits.

Contractors shall not access existing Telstra pits or conduits.

Pits shall be installed relative to the property boundary as shown, immediately outside the exclusion zone of the electricity pillar.

The Electrical Contractor shall ascertain final verge levels from the Civil Contractor before installing conduits & pits.

The Electrical Contractor shall give the Superintendent written notice (a) 10 business days before it anticipates achieving Practical Completion of the conduit and pit installation, and (b) on achieving Practical Completion, to allow the required notices to be given to NBN Co.

Conduit lengths are nominal horizontal distances only. Fibre lengths shall be verified in advance by actual measurement.

The electrical contractor shall perform mandrel testing of all telecommunications conduits, including cross-road and lead-in conduits installed by the civil contractor.

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
21/04/2022	A	INITIAL ISSUE	RR					

Robin Russell & Associates Pty. Ltd.
 CONSULTING ENGINEERS - ELECTRICAL

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COUNCIL	BRISBANE CITY	DESIGNED	SHANE MILLS	DESCRIPTION
COUNCIL REF	A004237482	DRAWN	SHANE MILLS	TELECOMMUNICATION
UBD REF	Map Gnd	CHECKED	K.R.	
DWT REV	V48 20210504	APPROVED BY	ROBIN RUSSELL REPOQ 1546	CLIENT
DATE	21/04/2022	SIGNED	<i>Robin Russell</i>	HB LAND Pty Ltd

LOCATION: **49 LOT RESIDENTIAL SUBDIVISION 148 ALGESTER ROAD CALAMVALE, 4116**

DRAWING No: **D930-N-01A**

NBN ID REQUEST No./TELSTRA AFR SHEET No: **STG-W000230167 1 OF 1**

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