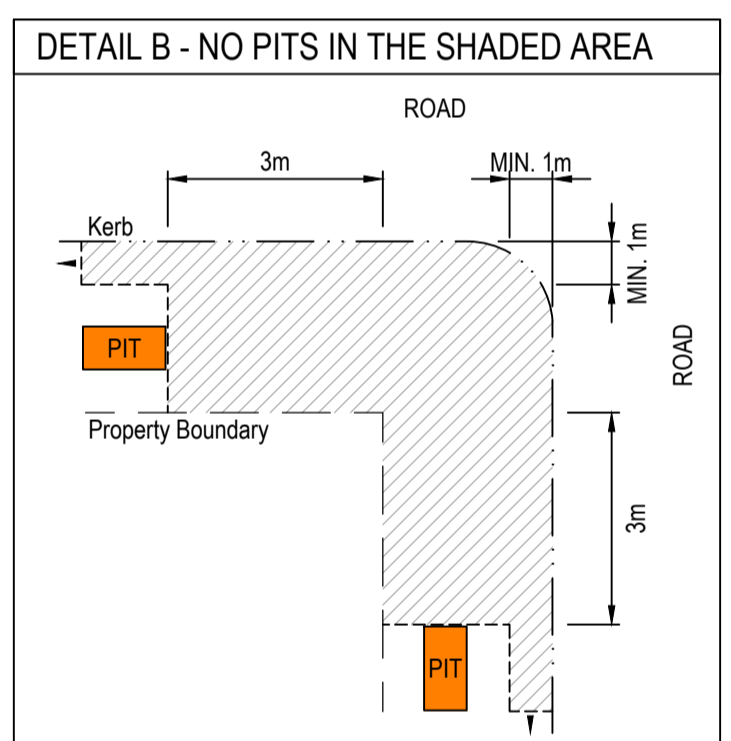
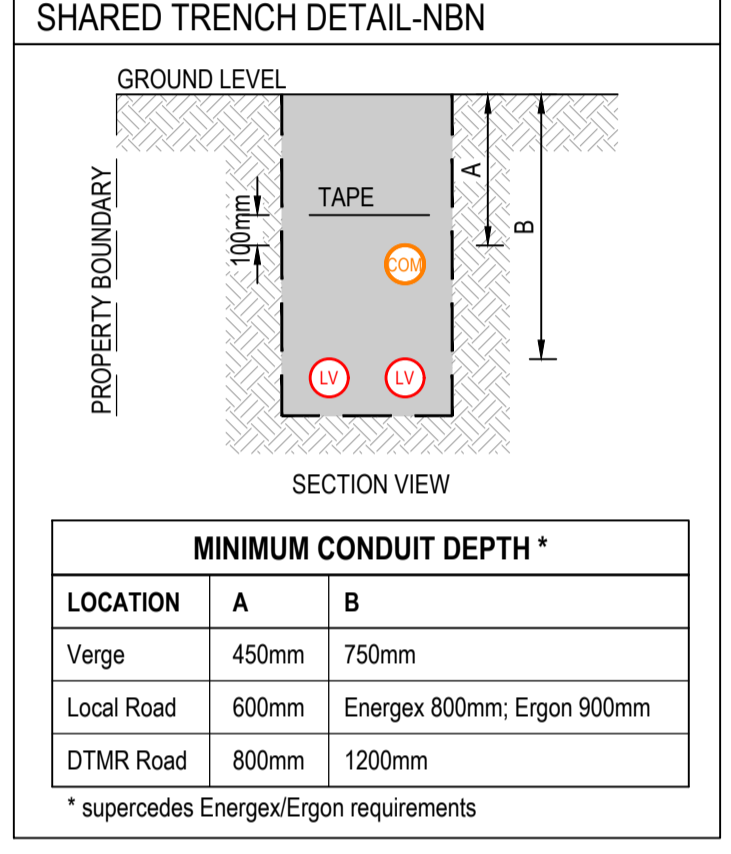


- LEGEND: NBN CONDUITS & PITS**
- Fibre Access Node (FAN) site
 - Fibre Distribution Hub (FDH) site - 1m x 1m
 - Proposed 100mm Main Conduit
 - Proposed 50mm Lateral Conduit
 - Proposed 23mm Service Drop
 - Proposed length of bored conduit
 - Conduits by Civil Contractor
 - Proposed shared trench
 - 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

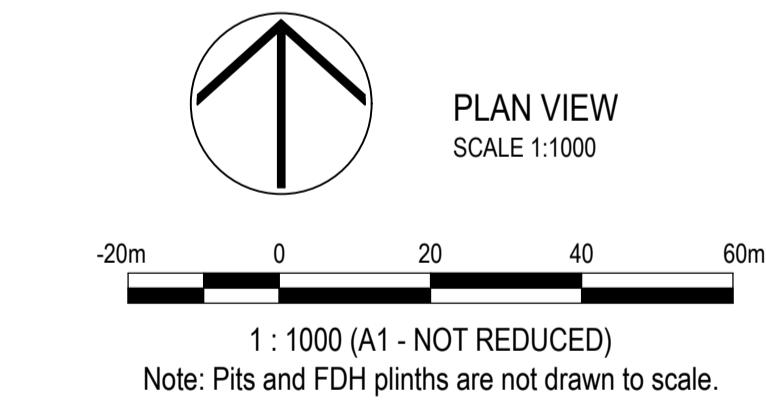
NBN PITS
NBN PITS MUST BE INSTALLED IMMEDIATELY OUTSIDE THE EXCLUSION ZONE OF THE ELECTRICITY PILLAR & EXACTLY 3m FROM CORNER TRUNCATIONS AS PER DETAIL B.



NOTES - NBN
NBN conduits and pits shall be installed in compliance with NBN Co specification: NBN-TE-CTO-194 V 7.0 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 Reticalation and Street Lighting - Issue 2'.
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. Unless otherwise specified, pit levels shall be calculated for a verge profile of 2.5%, i.e. 1 in 40 rise from back of kerb, within a tolerance of + 20mm.
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.

SOURCE DOCUMENTS

CREATOR	DRAWING	DWG. NO.	REV. NO.	DATE
RRA	STAGE 33 - ELECTRICAL	CA51	A	19/12/2017
RRA	STAGE 42A - NBN	C285-N	A	24/10/2017



SITE INFORMATION
TOTAL NUMBER OF LOTS: 52
PROPERTY DESCRIPTION: LOTS 1412-1446, 1666-1668, 1675-1677, 1853-1855, 1885-1889, 1906-1907 & 3066 CANCELLING PART OF LOT 7022 ON SP279904

ORIGINAL ISSUE

• Telecommunications infrastructure will be provided by NBN™
• NBN™ will own the conduits and pits.
• This installation shall comply with NBN-TE-CTO-194 V7.0

NBN CONDUIT SCHEDULE - CIVIL CONTRACTOR

CODE	ITEM	NOMINAL SIZE (Inside Diameter) AS/NZS 1477:2006	WALL THICKNESS (Table 4.2 A)	QUANTITY (metres)
P20	SDU service drop - lots 1418, 1419, 1853 & 1854	23mm	PN12	12
P50	road crossing conduit	53mm	PN12	90
P100	road crossing conduit	104mm	PN9	255
P100	footpath conduit - retaining walls	104mm	PN9	140
P100	enveloping conduit	104mm	PN9	4
Additional trenching				17

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	16
6	local network connection pit (dual lid)	1360 x 555 x 650mm	4
8	distribution/local network connection pit (dual lid)	1360 x 555 x 860mm	5

NBN CONDUIT SCHEDULE - ELECTRICAL CONTRACTOR

CODE	ITEM	NOMINAL SIZE (Inside Diameter) AS/NZS 1477:2006	WALL THICKNESS (Table 4.2 A)	QUANTITY (metres)
P20	SDU service drop	23mm	PN12	415
P50	MDU service drop	53mm	PN12	-
P50	lateral conduit	53mm	PN12	200
P100	local network conduit	104mm	PN9	720
P100	distribution network conduit	104mm	PN9	-
Additional trenching				63

CONDUIT SPECIFICATIONS - NBN COMMUNICATIONS

Australian Standard	conduits and fittings shall comply with AS/NZS 1477:2006 PVC pipes & fittings for pressure applications
colour	white
labelled	"NBN - Communications"
Min. bend radius	20mm dia: 300mm 50mm dia: 300mm 100mm dia: 800mm
finish	test; fit draw rope; seal
Min. depth of cover	service drop: 300mm (350mm in joint use trench); verge: 450mm; road: 600mm; State road: 800mm
verge alignment	300-900mm except as indicated

DATE	REV	REVISION	APP.	DATE	REV	REVISION	APP.	CURRENT REVISION CHANGES:
13/02/2018	A	INITIAL ISSUE	R.R.					
22/02/2018	B	ROAD NAMES ADDED	R.R.					

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A.B.N. 78 010 589 661

SPECIFICATION NO.	DESIGNED	CHECKED	APPROVED BY	SIGNED	DATE
NBN-TE-CTO-194	JUSTIN LUCHT	K.R.	ROBIN RUSSELL RPEQ 1546	<i>Robin Russell</i>	13/02/2018
COUNCIL	IPSWICH CITY				
COUNCIL REF	40/2015/MA/E				
UBD REF	Map 254 Grd J10				
DWT REV	V41 - 20170726				

NBN CONDUITS & PITS
PROVIDENCE STAGE 33 PROVIDENCE PDE SOUTH RIPLEY
Daleswan Pty Ltd ta Providence Ripley

PROVIDENCE STAGE 33 PROVIDENCE PDE SOUTH RIPLEY
DRAWING No. **C451-N-01B**
NBN ID REQUEST No. AYCA-4VAZKT
SHEET No. 1 OF 1

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