

POP

PRIVATELY OPERATED PAYPHONES

APS

ASSISTANCE TELEPHONES (EG ELEVATOR AND ROADSIDE PHONES)

MET

APPLY TO OTHER TYPE OF METERING POINT ( any service)

ATM

ATM

PRK

BANDSTAND / ROTUNDA / SPORTS FIELD STANDS / OTHER PARK BUILDING

PSD

POINT OF SALE DEVICE (vending machine, ticket machine)

TRF

Traffic Lights / Traffic Light Controller / Variable Speed Sign / Traffic Signal

PBT

Public Transport (bus stop, tram stop, railway station, taxi rank, ferry wharf)

SWT

Links / Link Pole / MV / HV Links / ABC Links / Dynamic Switch / Airbrake Switch / Isolator

WAT

Water Infrastructure (storage, pumps, valves water supply, waste water, sewerage stations)

GAS

Natural Gas Infrastructure

CAM

Camera (security / traffic)

CTL

Bridge control, swing bridge, traffic control gates, railway boom gates)

MOB

Mobile Phone Tower / radio antenna

LIT

Street Lighting Pole / street light controller

CAR

Unmanned (council) car park

PWR

Transformer / Kiosk / Pad Mount Sub-station / Pole Mount Transformer

NAP-ID

N

Network Access Point (NAP)

MPT-ID

N

Multipoint (MPT)  
n is the number of ports (eg 4,6,8,12)

Penetration

CABLE TRAY:

TJL-ID

Splice Joint on a Transit Cable (TJL)

DJL-ID

Splice Joint on a Distribution Cable (DJL)

LJL-ID

Splice Joint on a Local Cable (LJL)

MJL-ID

Splice Joint on a Tether Cable (MJL)

AJL-ID

Zone Terminal / Splice Joint (AJL)

FDH-ID

Fibre Distribution Hub-FDH Cabinet with Cabinet ID shown

PIT-ID

2

Service Drop Access Pit  
(650mmX280mmX565mm)

PIT-ID

5

Network Boundary/Local Network Pit (Single Lid)  
(700mmX450mmX650mm)

PIT-ID

6

Distribution/Local Network Connection Pit (Dual Lid)  
(1360mmX555mmX650mm)

PIT-ID

8

Distribution/Local Network Connection Pit  
(1360mmX555mmX860mm)

PIT-ID

9

Fibre Distribution Hub (FDH) Pit  
(2000mmX555mmX900mm)

NTD

Shared Trench

NTD

nbn NTD

OBBU

NBN Optional Battery Backup Unit

PDH

nbn Premises Distribution Hub

CTL

nbn Cable Transition Location

FDT

nbn Fibre Distribution Terminal

FIP

nbn NTD Fire Indicator Panel

Riser

Riser

LIFT

nbn NTD LIFT

AP

Access Panel

SEC

nbn NTD Security

CET

nbn Communications Earth Terminal

DES QTY

Example of descriptor box that will show the type of work and the quantity involved

nbn manhole

Existing Telstra manhole

FAN AAAA

Fan Access Node site (FAN)

138A<sup>RX</sup><sub>CX</sub>

Multi Dwelling Unit (MDU)

DEPTH--  
ALIGN--

DEPTH OVER ALIGNMENT SYMBOL TO BE USED WITH EVERY MARKER POST

Symbol to be used when replacing/removing existing network

PCD

Premise Connection Device (PCD)

POLE-ID

Pole (showing pole identity)

5

Existing Telstra Pit ( 2,3,4,5,6,7,8,9 )  
Telstra exchange

Example of Telstra Major Conduit Layout with Proposed duct marked to be used by NBN

M < -- >

NBN MARKER POST  
MARKER POST TO BE NUMBERED

CONDUIT CONFIGURATION

CONDUITS AND DUCTS ARE IN LAYER :  
< L460 NBN Support - Underground >  
AND TERMINOLOGY CATEGORIZED INTO TWO GROUPS IN THE DRAWING AS PER BELOW:  
1- DUCT USED WITH LOCAL NETWORK  
2-CONDUIT USED WITH LEAD-IN DROPS  
ATTRIBUTES ATTACHED ARE AS SHOWN

CONDUIT SIZE

PIT-ID 9

P100

CONDUIT LENGHT

26.5

PIT-ID 5

CABLE CONFIGURATION

CABLE TYPE:  
CABLES DIVIDE INTO FOLLOWING CATEGORIES AND ARE COLOUR CODED:  
TRANSIT CABLES COLOUR NO: 1 312F  
DISTRIBUTION CABLES COLOUR NO: 190 288F  
LOCAL CABLES COLOUR NO: 4 144F  
TETHER CABLES COLOUR NO: 3 12F  
LEAD IN (DROP) CABLES COLOUR NO: 5 1F

CABLE LOCATION:  
CABLE LOCATIONS DETERMINES WHERE THE CABLE IS USED AS PER BELOW:  
IN-CONDUIT 288F  
AERIAL 144F  
BURIED 96F

EXAMPLE:  
144 FIBRE AERIAL LOCAL CABLE 144F  
1 FIBRE BURIED DROP CABLE 1F  
432 FIBRE IN-CONDUIT TRANSIT CABLE 48F

CABLE SIZE:  
CABLE SIZE IS THE TOTAL NUMBER OF OPTIC FIBRES IN THE CABLE AND IS DETERMINED BY A NUMBER FOLLOWED BY F (FIBRE) OR R (RIBBON) IN THE MIDDLE OF THE LINE TYPE  
576F

LINE TYPES ARE CATEGORIZED INTO 3 TYPES:  
1- IN-CONDUIT: (XXXXF) 312F , ...  
2- AERIAL: (XXXXF\_A) 144\_A , ...  
3- BURIED: (XXXXF\_B) 12\_B , ...

FSA Boundary

FSAM Boundary

FDA Boundary

STAFF WORKING ON THIS ESTIMATE PLEASE NOTE:  
The location of other authorities services which may affect this work have not been obtained by the estimator. Constructor to obtain service information before commencing.

DANGER  
LASER BEAM  
EYE PROTECTION MUST BE WORN

SAFETY FIRST  
SAFETY STARTS WITH YOU

-				
-				
-				
-				
-				
-				
B	10/12/21	C.RIGBY	FOR CONSTRUCTION	
A	15/12/20	C.RIGBY	DRAFT FOR REVIEW	
REV	DATE	DRAFTER	DESCRIPTION	APPROVED

STRICTLY CONFIDENTIAL

NBNCO APPROVAL RECORD:

SIGNATURE

DATE

☐ DD

☐ WD

☐ AB

QUALITY RECORD :

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nbn

Australia's broadband network

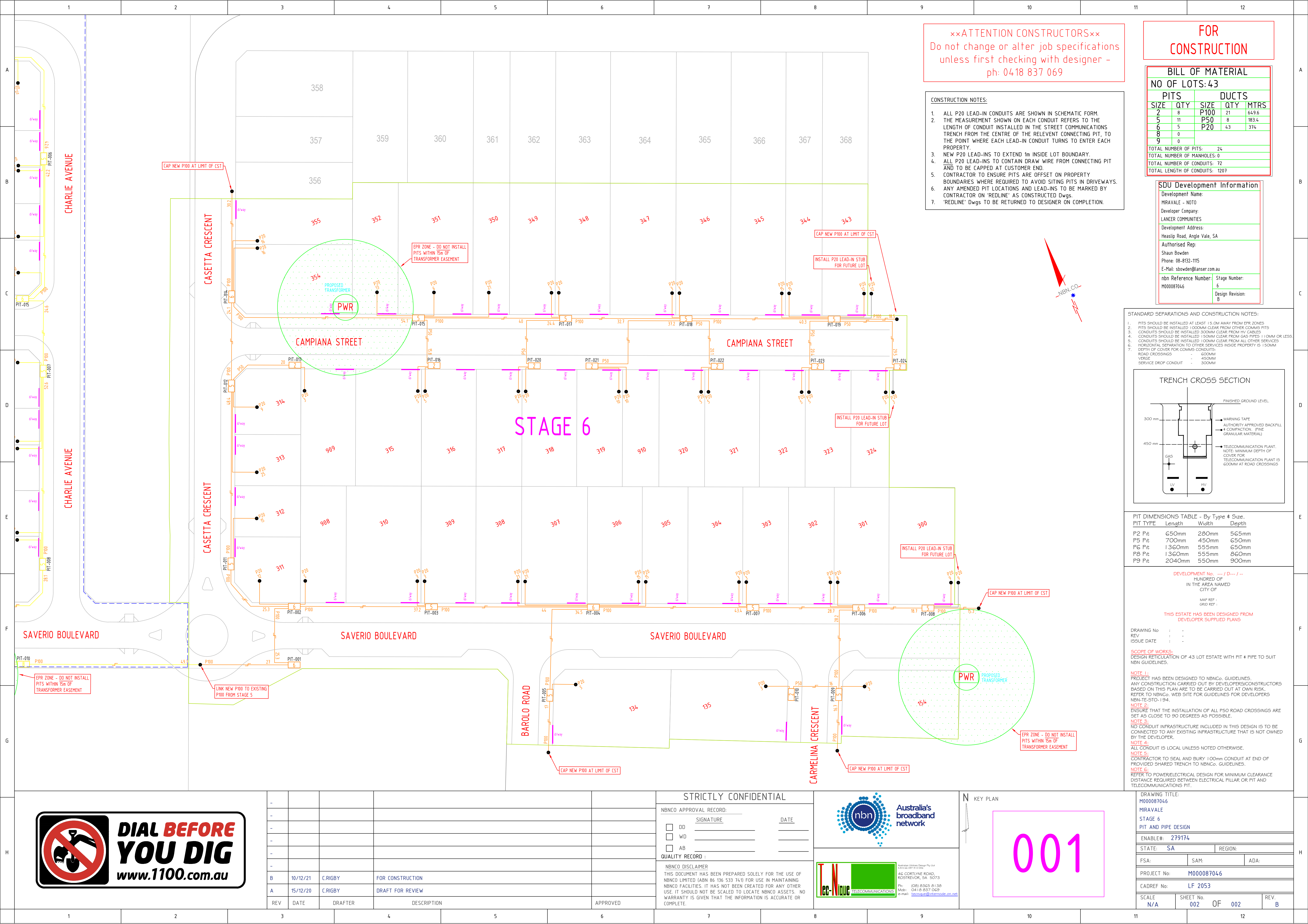
TCC-NTD

TELECOMMUNICATIONS

KEY PLAN

001

DRAWING TITLE: M000087046 MIRAVALE STAGE 6 PIT AND PIPE DESIGN		
ENABLE#: 279174		
STATE: SA	REGION:	
FSA:	SAM:	ADA:
PROJECT No: M000087046		
CADREF No: LF 2053		
SCALE N/A	SHEET No. 001 OF 002	REV. B



××ATTENTION CONSTRUCTORS××  
Do not change or alter job specifications  
unless first checking with designer -  
ph: 0418 837 069

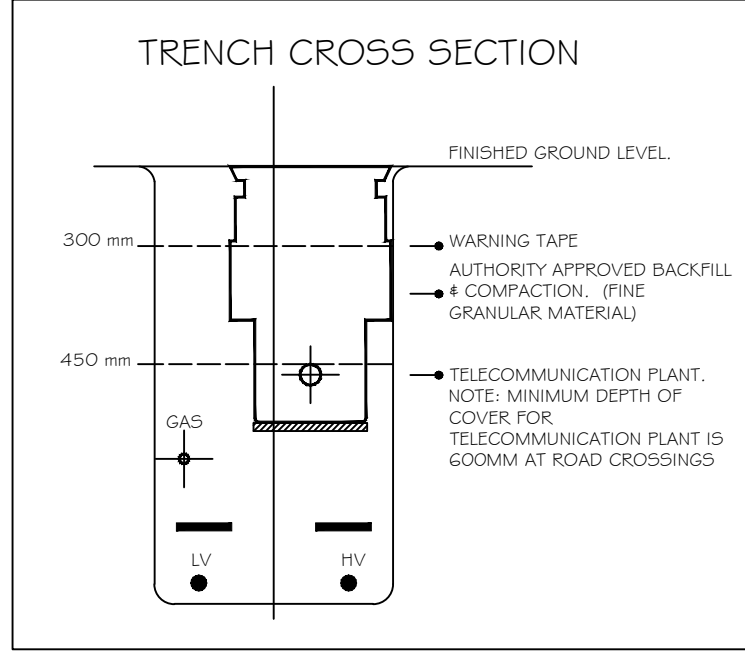
- CONSTRUCTION NOTES:
- ALL P20 LEAD-IN CONDUITS ARE SHOWN IN SCHEMATIC FORM.
  - THE MEASUREMENT SHOWN ON EACH CONDUIT REFERS TO THE LENGTH OF CONDUIT INSTALLED IN THE STREET COMMUNICATIONS TRENCH FROM THE CENTRE OF THE RELEVANT CONNECTING PIT, TO THE POINT WHERE EACH LEAD-IN CONDUIT TURNS TO ENTER EACH PROPERTY.
  - NEW P20 LEAD-INS TO EXTEND 1m INSIDE LOT BOUNDARY.
  - ALL P20 LEAD-INS TO CONTAIN DRAW WIRE FROM CONNECTING PIT AND TO BE CAPPED AT CUSTOMER END.
  - CONTRACTOR TO ENSURE PITS ARE OFFSET ON PROPERTY BOUNDARIES WHERE REQUIRED TO AVOID SITING PITS IN DRIVEWAYS.
  - ANY AMENDED PIT LOCATIONS AND LEAD-INS TO BE MARKED BY CONTRACTOR ON 'REDLINE' AS CONSTRUCTED DWGS.
  - 'REDLINE' DWGS TO BE RETURNED TO DESIGNER ON COMPLETION.

FOR  
CONSTRUCTION

BILL OF MATERIAL				
NO OF LOTS: 43				
PITS		DUCTS		
SIZE	QTY	SIZE	QTY	MTRS
2	8	P100	21	643.6
5	11	P50	8	183.4
6	5	P20	43	374
8	0			
9	0			
TOTAL NUMBER OF PITS:				74
TOTAL NUMBER OF MANHOLES:				0
TOTAL NUMBER OF CONDUITS:				72
TOTAL LENGTH OF CONDUITS:				1207

SDU Development Information	
Development Name:	MIRAVALE - NOTO
Developer Company:	LANCER COMMUNITIES
Development Address:	Heaslip Road, Angle Vale, SA
Authorised Rep:	Shaun Bowden
Phone:	08-8132-1115
E-Mail:	sbowden@lanser.com.au
nbn Reference Number:	6
Stage Number:	6
Design Revision:	B

- STANDARD SEPARATIONS AND CONSTRUCTION NOTES:
- PITS SHOULD BE INSTALLED AT LEAST 150MM AWAY FROM EPR ZONES
  - PITS SHOULD BE INSTALLED 1000MM CLEAR FROM OTHER COMMS PITS
  - CONDUITS SHOULD BE INSTALLED 300MM CLEAR FROM HV CABLES
  - CONDUITS SHOULD BE INSTALLED 150MM CLEAR FROM GAS PIPES 110MM OR LESS
  - CONDUITS SHOULD BE INSTALLED 100MM CLEAR FROM ALL OTHER SERVICES
  - HORIZONTAL SEPARATION TO OTHER SERVICES INSIDE PROPERTY IS 150MM
  - DEPTH OF COVER FOR COMMS CONDUITS:
    - ROAD CROSSINGS 600MM
    - VERGE 450MM
    - SERVICE DROP CONDUIT 300MM



PIT DIMENSIONS TABLE - By Type & Size			
PIT TYPE	Length	Width	Depth
P2 Pit	650mm	280mm	565mm
P5 Pit	700mm	450mm	650mm
P6 Pit	1360mm	555mm	650mm
P8 Pit	1360mm	555mm	860mm
P9 Pit	2040mm	550mm	900mm

DEVELOPMENT NO. --- / D--- / --  
HUNDRED OF  
IN THE AREA NAMED  
CITY OF  
MAP REF :  
GRID REF :  
THIS ESTATE HAS BEEN DESIGNED FROM  
DEVELOPER SUPPLIED PLANS

DRAWING No : -  
REV : -  
ISSUE DATE : -  
SCOPE OF WORKS:  
DESIGN RETICULATION OF 43 LOT ESTATE WITH PIT & PIPE TO SUIT  
NBN-TE-S10-194.

- NOTE 1:  
PROJECT HAS BEEN DESIGNED TO NBNCo. GUIDELINES.  
ANY CONSTRUCTION CARRIED OUT BY DEVELOPERS/CONSTRUCTORS  
BASED ON THIS PLAN ARE TO BE CARRIED OUT AT OWN RISK.  
REFER TO NBNCo. WEB SITE FOR GUIDELINES FOR DEVELOPERS  
NBN-TE-S10-194.
- NOTE 2:  
ENSURE THAT THE INSTALLATION OF ALL P50 ROAD CROSSINGS ARE  
SET AS CLOSE TO 90 DEGREES AS POSSIBLE.
- NOTE 3:  
NO CONDUIT INFRASTRUCTURE INCLUDED IN THIS DESIGN IS TO BE  
CONNECTED TO ANY EXISTING INFRASTRUCTURE THAT IS NOT OWNED  
BY THE DEVELOPER.
- NOTE 4:  
ALL CONDUIT IS LOCAL UNLESS NOTED OTHERWISE.
- NOTE 5:  
CONTRACTOR TO SEAL AND BURY 100mm CONDUIT AT END OF  
PROVIDED SHARED TRENCH TO NBNCo. GUIDELINES.
- NOTE 6:  
REFER TO POWER/ELECTRICAL DESIGN FOR MINIMUM CLEARANCE  
DISTANCE REQUIRED BETWEEN ELECTRICAL PILLAR OR PIT AND  
TELECOMMUNICATIONS PIT.



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
-				
-				
-				
-				
-				
B	10/12/21	C.RIGBY	FOR CONSTRUCTION	
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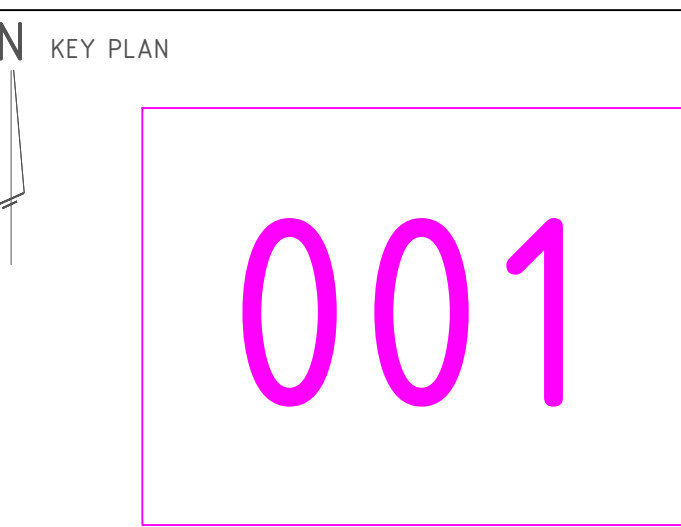
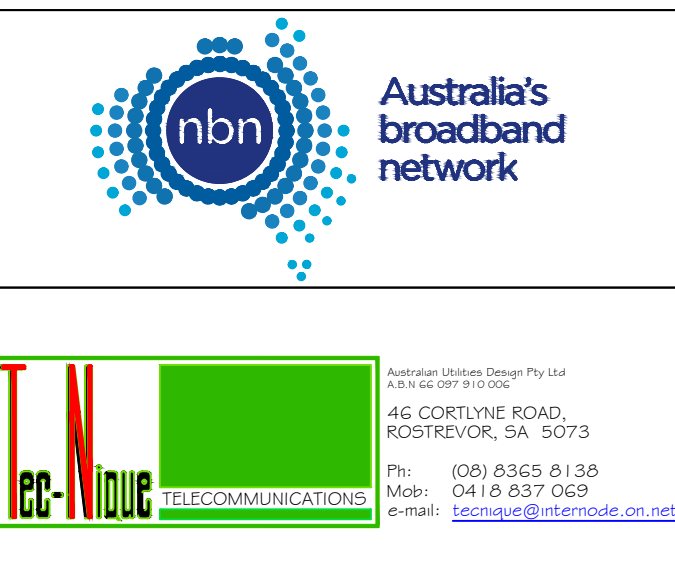
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SIGNATURE	DATE
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<input type="checkbox"/> WD	
<input type="checkbox"/> AB	

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