

- 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** Network Access Point (NAP)
- MPT-ID** Multiport (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^{RX}_{CX}** Multi Dwelling Unit (MDU)

- DEPTH-- ALIGN--** DEPTH OVER ALIGNMENT SYMBOL TO BE USED WITH EVERY MARKER POST
- X** 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
- M < ->** Example of Telstra Major Conduit Layout with Proposed duct marked to be used by NBN
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

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 — 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

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

SAFETY FIRST
 SAFETY STARTS WITH YOU



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
A	03/09/21	C.RIGBY	DRAFT FOR REVIEW	

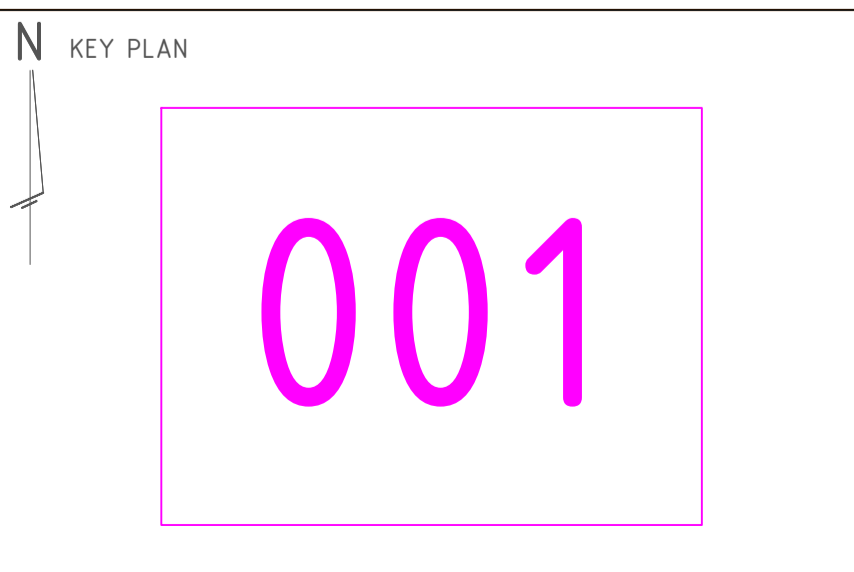
STRICTLY CONFIDENTIAL

NBNCO APPROVAL RECORD:

SIGNATURE	DATE
<input type="checkbox"/> DD	_____
<input type="checkbox"/> WD	_____
<input type="checkbox"/> AB	_____

QUALITY RECORD :

NBNCO DISCLAIMER
THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE USE OF NBNCO LIMITED (ABN 86 136 533 741) FOR USE IN MAINTAINING NBNCO FACILITIES. IT HAS NOT BEEN CREATED FOR ANY OTHER USE. IT SHOULD NOT BE SCALED TO LOCATE NBNCO ASSETS. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE.



DRAWING TITLE:
M0000xxxxx
VIRGINIA GROVE
STAGE 11
PIT AND PIPE DESIGN

ENABLE#: 279174

STATE: SA	REGION:
FSA:	SAM: ADA:
PROJECT No: M0000xxxxx	
CADREF No: LF 1454	
SCALE N/A	SHEET No. 001 OF 002 REV. A

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

DRAFT FOR REVIEW

BILL OF MATERIAL
NO OF LOTS: 49

PITS		DUCTS	
SIZE	QTY	SIZE	QTY MTRS
2	11	P100	15 561.7
5	10	P50	11 302.4
6	1	P20	4.9 4.86
8	1		
9	0		

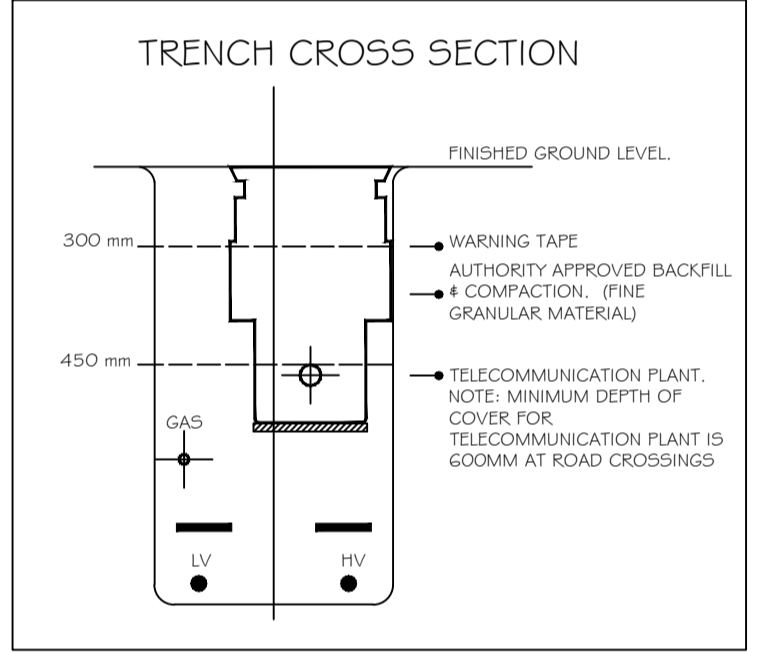
TOTAL NUMBER OF PITS: 23
TOTAL NUMBER OF MANHOLES: 0
TOTAL NUMBER OF CONDUITS: 75
TOTAL LENGTH OF CONDUITS: 1350.1

- 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.

SDU Development Information

Development Name: VIRGINIA GROVE
Developer Company: LANSER COMMUNITIES
Development Address: Sheedy Road, Virginia
Authorised Rep: Shaun Bowden
Phone: 08-8132-1150
E-Mail: sbowden@lanser.com.au
nbn Reference Number: M000xxxxx
Stage Number: 11
Design Revision: A

- STANDARD SEPARATIONS AND CONSTRUCTION NOTES:**
- PITS SHOULD BE INSTALLED AT LEAST 15.0M AWAY FROM EPR ZONES
 - PITS SHOULD BE INSTALLED 1000MM CLEAR FROM OTHER COMM'S PITS
 - CONDUITS SHOULD BE INSTALLED 300MM CLEAR FROM TV 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 CONDUITS:
ROAD CROSSINGS: 600MM
VERGE: 450MM
SERVICE DROP CONDUIT: 300MM



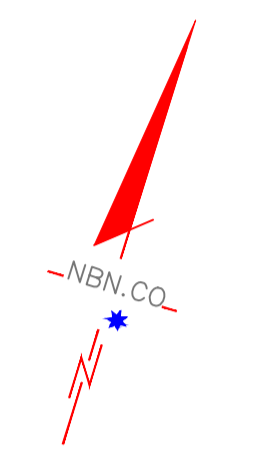
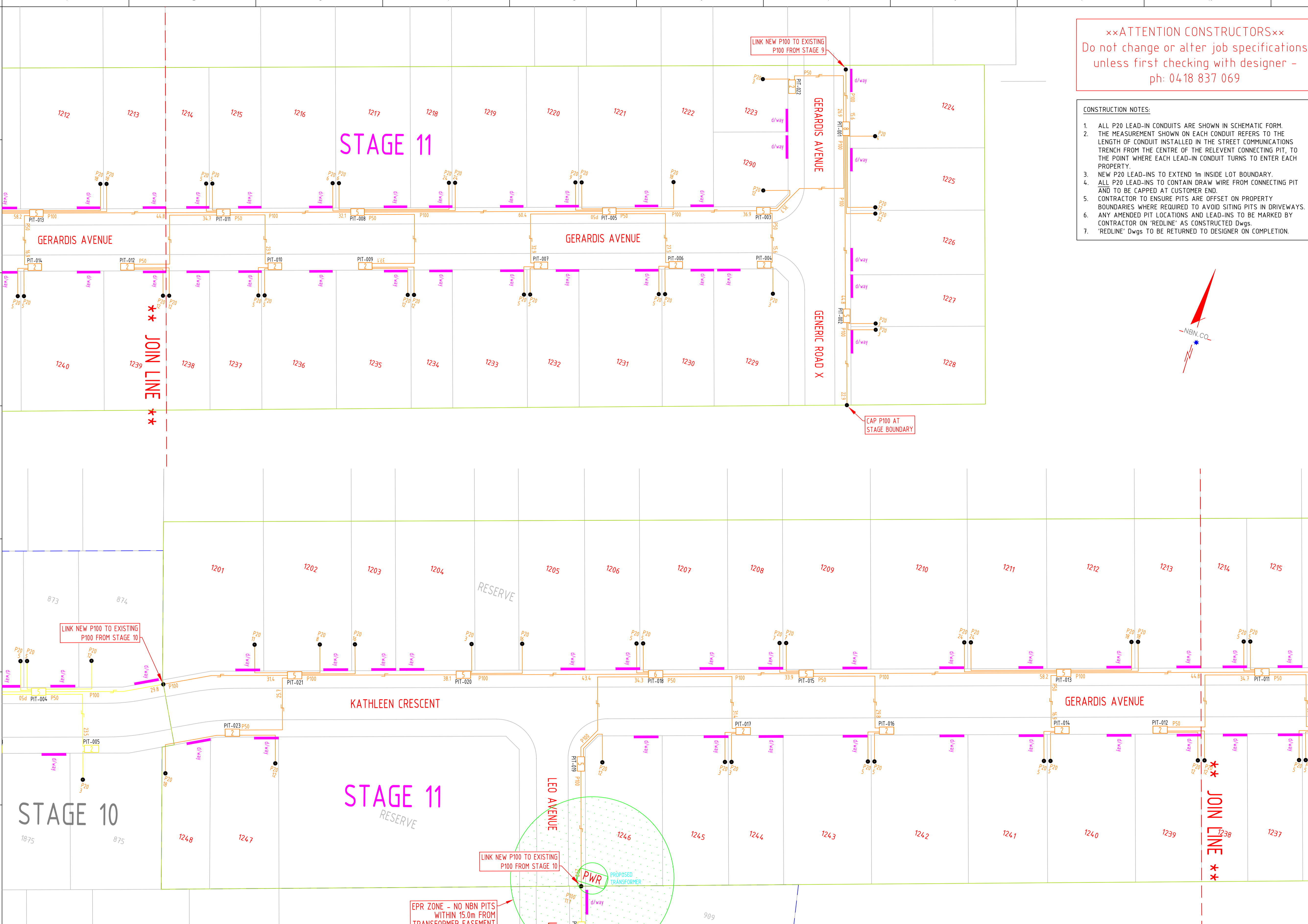
PIT DIMENSIONS TABLE - By Type & Size

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. 262 / D / 02 / 14
HUNDRED OF PORT ADELAIDE
IN THE AREA OF VIRGINIA
CITY OF PLAYFORD
MAP REF:
GRID REF:

THIS ESTATE HAS BEEN DESIGNED FROM DEVELOPER SUPPLIED PLANS

- DRAWING No: -
REV: -
ISSUE DATE: -
- SCOPE OF WORKS:**
DESIGN RETICULATION OF 49 LOT ESTATE WITH PIT # PIPE TO SUIT NBN GUIDELINES.
- NOTE 1:**
PROJECT HAS BEEN DESIGNED TO NBNC₀ GUIDELINES. ANY CONSTRUCTION CARRIED OUT BY DEVELOPERS/CONSTRUCTORS BASED ON THIS PLAN ARE TO BE CARRIED OUT AT OWN RISK. REFER TO NBNC₀ WEB SITE FOR GUIDELINES FOR DEVELOPERS NBN-TE-STO-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 NBNC₀ 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
A	03/09/21	C.RIGBY	DRAFT FOR REVIEW	

STRICTLY CONFIDENTIAL

NBNC0 APPROVAL RECORD:

SIGNATURE	DATE
<input type="checkbox"/> DD	
<input type="checkbox"/> WD	
<input type="checkbox"/> AB	

QUALITY RECORD:

NBNC0 DISCLAIMER
THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE USE OF NBNC0 LIMITED (ABN 86 136 533 741) FOR USE IN MAINTAINING NBNC0 FACILITIES. IT HAS NOT BEEN CREATED FOR ANY OTHER USE. IT SHOULD NOT BE SCALED TO LOCATE NBNC0 ASSETS. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE.

KEY PLAN

DRAWING TITLE:
M000xxxxx
VIRGINIA GROVE
STAGE 11
PIT AND PIPE DESIGN

ENABLE#: 279174

STATE: SA REGION:

FSA: SAM: ADA:

PROJECT No: M000xxxxx

CADREF No: LF 14.54

SCALE: N/A SHEET No: 002 OF 002 REV: A