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)

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

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

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 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

CABLE LOCATION:
CABLE LOCATIONS DETERMINES WHERE THE CABLE IS USED AS PER BELOW:

IN-CONDUIT	288F
AERIAL	144F
BURIED	96F

LINE TYPES ARE CATEGORIZED INTO 3 TYPES:

1- IN-CONDUIT: (XXXF) 312F , ...

2- AERIAL: (XXXF_A) 144_A , ...

3- BURIED: (XXXF_B) 12_B , ...

EXAMPLE:

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

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

DIAL BEFORE YOU DIG
www.1100.com.au

REV	DATE	DRAFTER	DESCRIPTION	APPROVED
-				
-				
-				
-				
-F.01	14/01/2021	CIPRIAN PASCU	AS BUILT	NAME
-C.01	06/12/2020	CIPRIAN PASCU	AS BUILT	NAME
-B.01	05/08/2020	CIPRIAN PASCU	FOR CONSTRUCTION	NAME
-A.01	01/06/2020	CIPRIAN PASCU	PRELIMINARY	NAME

STRICTLY CONFIDENTIAL

NBNCO APPROVAL RECORD:

	SIGNATURE	DATE
DD		
WD		
AB		

QUALITY RECORD :

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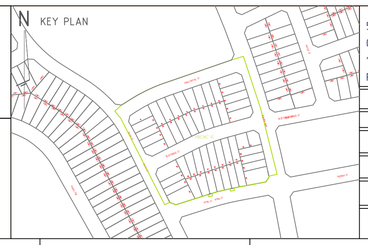
nbn Australia's broadband network

DESIGN IT TELCO PTY . LTD

N KEY PLAN



DRAWING TITLE:
51 LOTS SUBDIVISION - PIT & PIPE PROJECT
GALAH STREET, MARSDEN PARK
"NEW PARK"
PRECINCT 6C

ENABLE#:

STATE: NSW	REGION:	
FSA:	SAM:	ADA:
PROJECT No: STG-M000038192		
CADREF No: PN 35203		
SCALE N/A	SHEET No. OF	REV. F

NOTES:

1. ALL PIT & PIPE INFRASTRUCTURE IS TO BE INSTALLED ACCORDING TO NBN Co's CONDUIT AND PIT NETWORK GUIDELINES (DOCUMENT NUMBER NBN-TE-CTO-194 VERSION 7.0 OR LATER).

2. —⊥— DENOTES SHARED TRENCHES

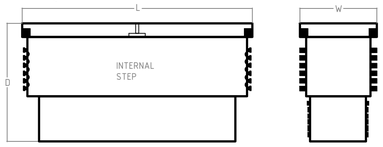
3. CONDUITS TO BE INSTALLED IN SHARED TRENCHES, BUT NOT VERTICALLY ABOVE OR BELOW OTHER UTILITIES.
CONDUITS MAY BE INSTALLED WITHIN THE ENDEAVOUR ENERGY ASSET ALLOCATION SPACE IF MANDATORY RADIAL SEPARATION FROM OTHER SERVICES IS MAINTAINED AT ALL TIMES.
MINIMUM SEPARATIONS ARE:
- GAS MAIN (≤Ø75mm) - 150mm
- GAS MAIN (≥Ø110mm) - 300mm
- LV CABLES - 100mm
- HV CABLES - 300mm
REFER TYPICAL CROSS SECTION DIAGRAM.

4. NO PITS TO BE INSTALLED WITHIN 15m FROM ANY PAD MOUNTED TRANSFORMER. i.e. NO PITS TO BE INSTALLED WITHIN THE EPR (Earth Potential Rise) ZONE.

5. PITS TO BE INSTALLED CLEAR OF PROPOSED DRIVEWAYS

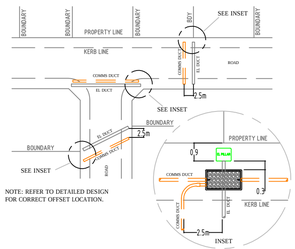
6. EXCLUSIVE ROAD CROSSING

7. FOR REMOVAL/RELOCATION OF EXISTING COMMS POLES & OVERHEAD NETWORK - DEVELOPER AND/OR PROJECT MANAGER IS TO LIAISE WITH:
* TELSTRA - NETWORK INTEGRITY SERVICES
PH. 1800 810 443 - NetworkIntegrity@team.telstra.com
* NBN RELOCATION WORKS GROUP
RelocationWorks@nbnco.com.au

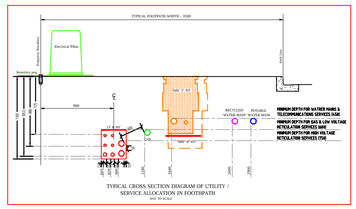


NBN NOMINAL DIMENSIONS (mm)			
PIT TYPE	L	W	D
Local Network Pit/Network Boundary Pit	700	450	650
Local Network Connection Pit	1360	555	860
Distribution Pit	1360	555	860
FDH PIT	2000	555	900

TYPICAL ROAD CROSSING CONFIGURATION
OFFSET FROM ELECTRICAL DUCTS TO ALLOW FOR SIDE ENTRY INTO PIT & CORRECT PIT PLACEMENT ON BOUNDARY.



NOTE: REFER TO DETAILED DESIGN FOR CORRECT OFFSET LOCATION.


TYPICAL FOOTPATH WIDTH - 2500
Electrical Pillar
Boundary pegs
Sub 'T' Pit
MIN 1000
MIN 1000
MIN 1000