

**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**

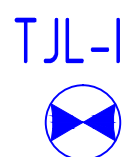
Transformer / Kiosk / Pad Mount Sub-station / Pole Mount Transformer

**NAP-ID**


Network Access Point (NAP)

**MPT-ID**


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

**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**


Service Drop Access Pit (650mmX280mmX565mm)

**PIT-ID**


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

**PIT-ID**

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

**PIT-ID**

Distribution/Local Network Connection Pit (1360mmX555mmX860mm)

**PIT-ID**

Fibre Distribution Hub (FDH) Pit (2000mmX555mmX900mm)

**Existing Telstra manhole**


**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**

**NBN MARKER POST**


MARKER POST TO BE NUMBERED

**DES QTY**

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

**PCD**

Premise Connection Device (PCD)

**POLE-ID**

Pole (showing pole identity)

**FAN**

Fan Access Node site (FAN)

**138A**

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**

**CABLE TRAY:**

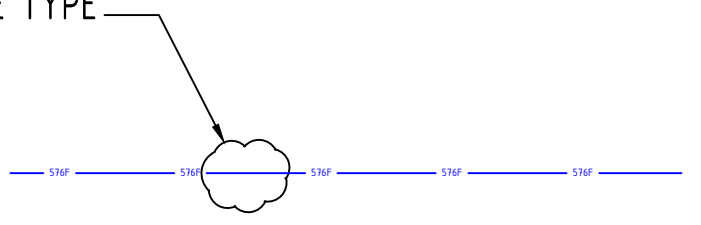
CONDUIT CONFIGURATION

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

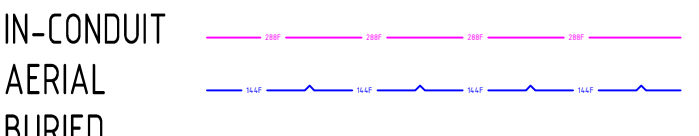
**CONDUIT SIZE**
CONDUIT LENGHT


CABLE CONFIGURATION


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

**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

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

**IN-CONDUIT**

**AERIAL**

**BURIED**

EXAMPLE:

144 FIBRE AERIAL LOCAL CABLE

1 FIBRE BURIED DROP CABLE

432 FIBRE IN-CONDUIT TRANSIT CABLE


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

-				
-				
-				
-				
D	22/02/2019	AS BUILT - PIT AND PIPE DEFECTS	PIPE DEFECTS	
C	12/12/18	CIPRIAN PASCU	AS BUILT	
B	28/05/18	CIPRIAN PASCU	FOR CONSTRUCTION	
A	09/03/2018	CIPRIAN PASCU	PRELIMINARY	
REV	DATE	DRAFTER	DESCRIPTION	APPROVED

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NBNCO APPROVAL RECORD:
SIGNATURE DATE

☐ DD

☐ WD


☐ AB

QUALITY RECORD :
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**Australia's broadband network**

DESIGN IT TELCO
PTY . LTD

N KEY PLAN



DRAWING TITLE:
270 LOTS SUBDIVISION
RICHMOND ROAD MARSDEN PARK
"NEW PARK"
PRECINCT 4


STATE: NSW REGION:

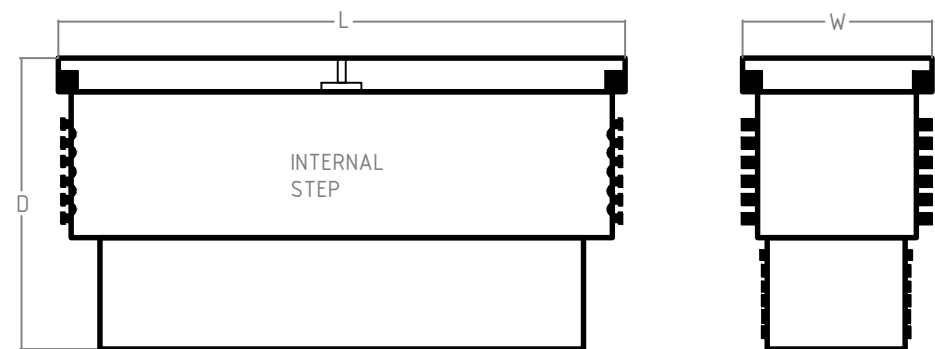
FSA: SAM: ADA:

PROJECT No: AYCA-54JSHH

CADREF No: PN 33824

SCALE N/A SHEET No. OF REV. D

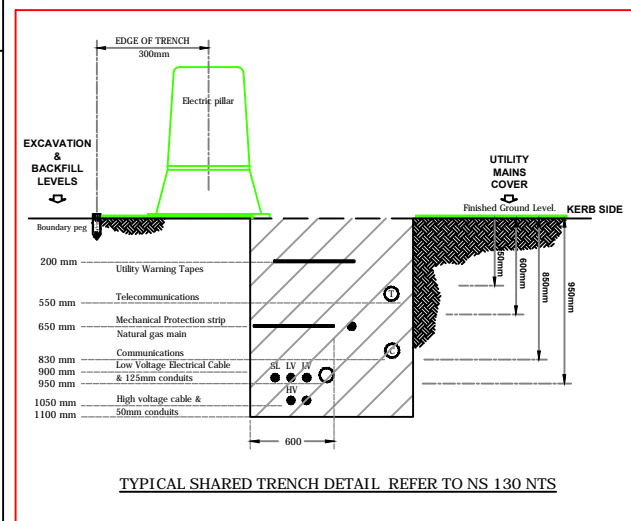
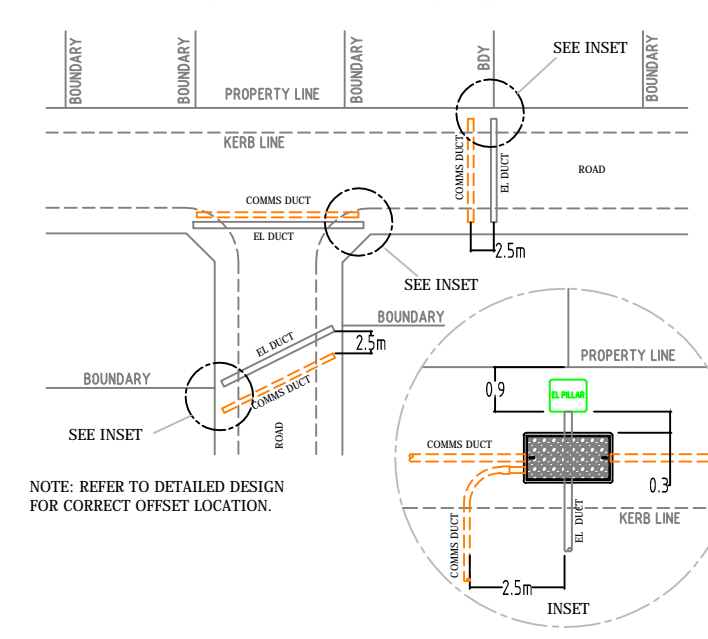
**DIAL BEFORE YOU DIG**
www.1100.com.au



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

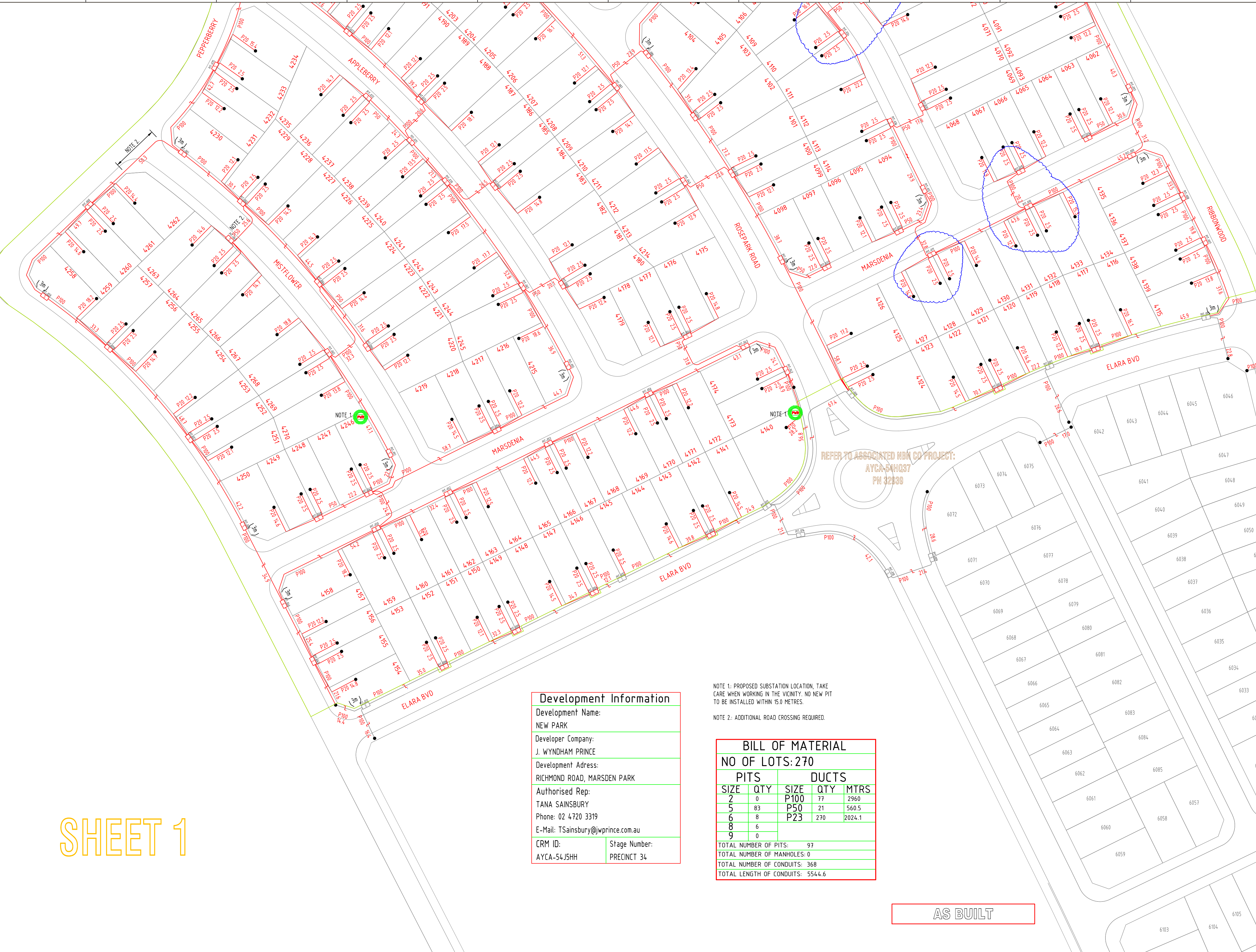
OFFSET FROM ELECTRICAL DUCTS TO ALLOW FOR SIDE ENTRY INTO PIT & CORRECT PIT PLACEMENT ON BOUNDARY.



DESIGN & CONSTRUCTION AS PER NBN GUIDELINES DOCUMENT.
* INSTALLING PIT AND CONDUIT INFRASTRUCTURE - GUIDELINES FOR DEVELOPERS - 04/07/2013

CIVIL CONTRACTORS ARE NOT TO LINK INTO EXISTING TELSTRA OR OTHER SERVICE PROVIDER NETWORK. NEW NETWORK WILL BE LINKED UNDER FUTURE PROJECT.
PIT AND PIPE ONLY WITHIN THE DEVELOPMENT

SHEET 1



Development Information	
Development Name:	
NEW PARK	
Developer Company:	
J. WYNHAM PRINCE	
Development Address:	
RICHMOND ROAD, MARSDEN PARK	
Authorised Rep:	
TANA SAINSBURY	
Phone: 02 4720 3319	
E-Mail: TSainsbury@jwprince.com.au	
CRM ID:	Stage Number:
AYCA-54JSHH	PRECINCT 34

NOTE 1: PROPOSED SUBSTATION LOCATION. TAKE CARE WHEN WORKING IN THE VICINITY. NO NEW PIT TO BE INSTALLED WITHIN 15.0 METRES.

NOTE 2: ADDITIONAL ROAD CROSSING REQUIRED.

BILL OF MATERIAL			
NO OF LOTS: 270			
PITS		DUCTS	
SIZE	QTY	SIZE	MTRS
2	0	P100	77 2960
5	83	P50	21 560.5
6	8	P23	270 2024.1
8	6		
9	0		
TOTAL NUMBER OF PITS:		97	
TOTAL NUMBER OF MANHOLES:		0	
TOTAL NUMBER OF CONDUITS:		368	
TOTAL LENGTH OF CONDUITS:		5544.6	

AS BUILT



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
-				
-				
-				
-				
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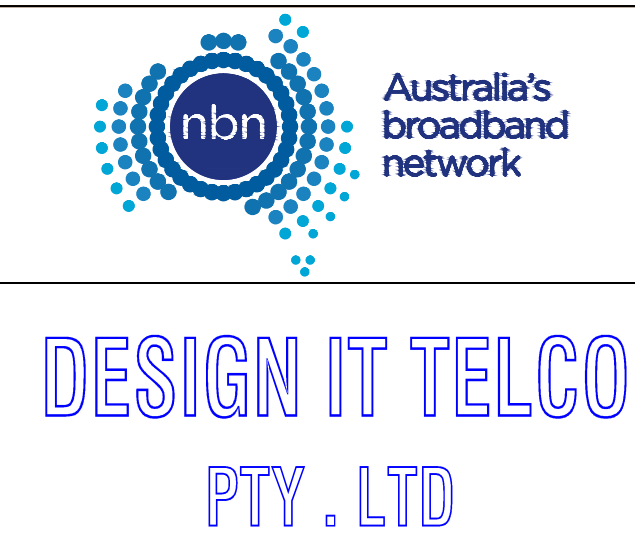
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SIGNATURE	DATE
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<input type="checkbox"/> WD	
<input type="checkbox"/> AB	

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KEY PLAN

DRAWING TITLE:

270 LOTS SUBDIVISION, PIT & PIPE PROJECT

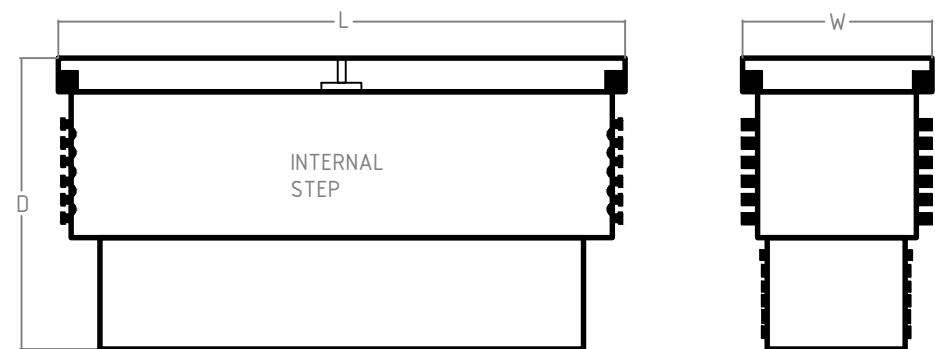
RICHMOND ROAD, MARSDEN PARK

"NEW PARK

PRECINCT 4

STATE: NSW	REGION:
FSA:	SAM: ADA:
PROJECT No: AYCA-54JSHH	
CADREF No: PN 33824	
SCALE N/A	SHEET No. 1 OF 2 REV. D

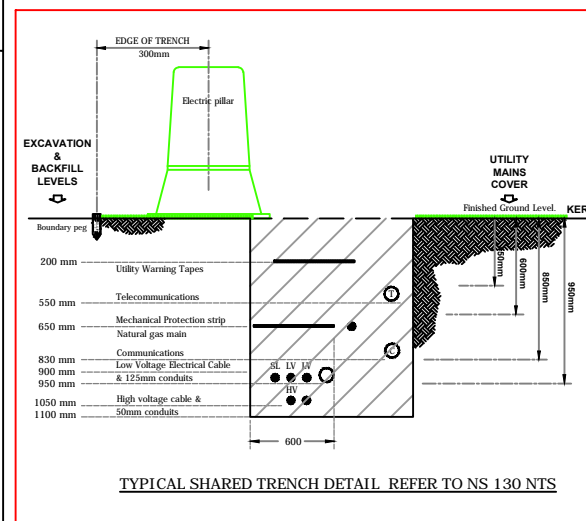
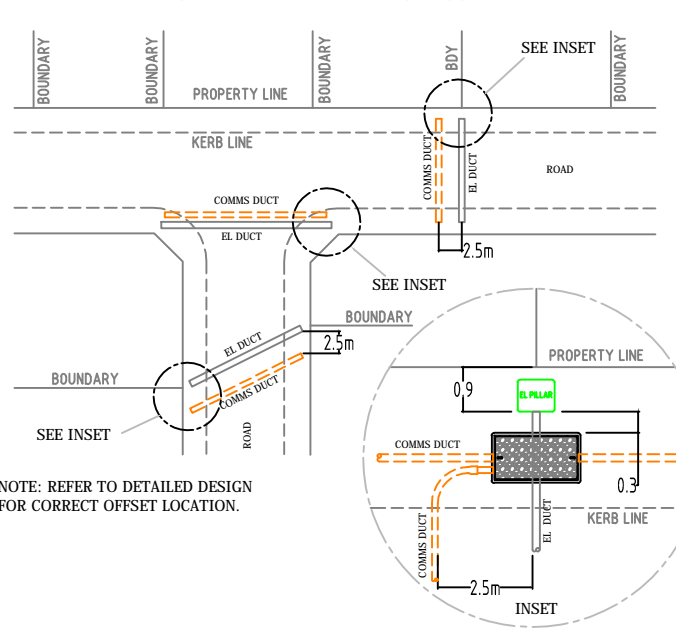
SHEET 2



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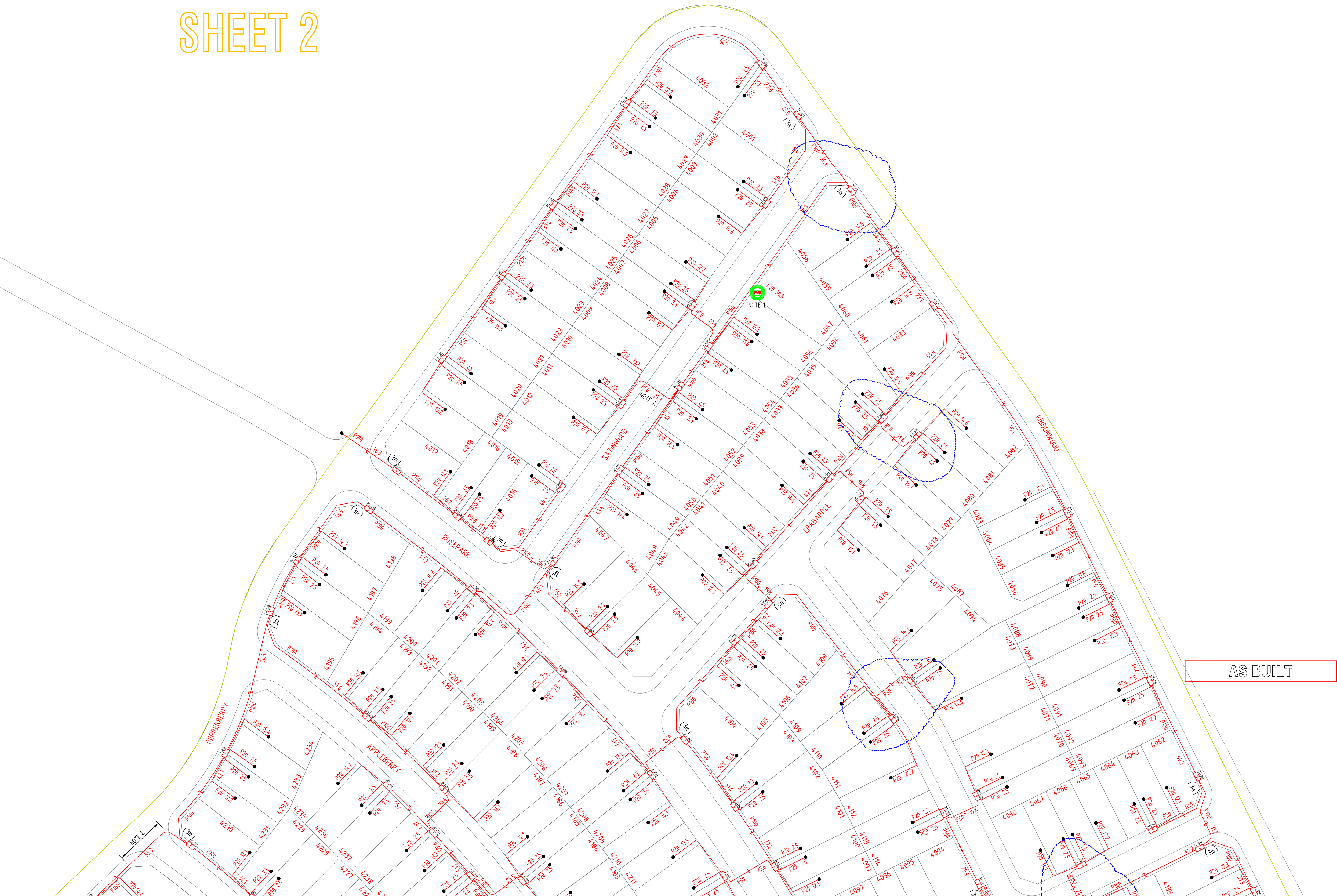
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AS BUILT



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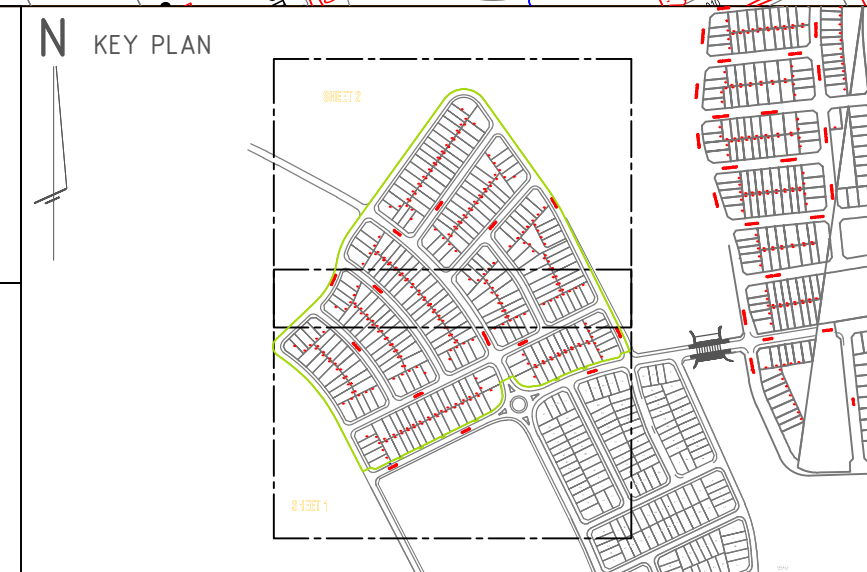
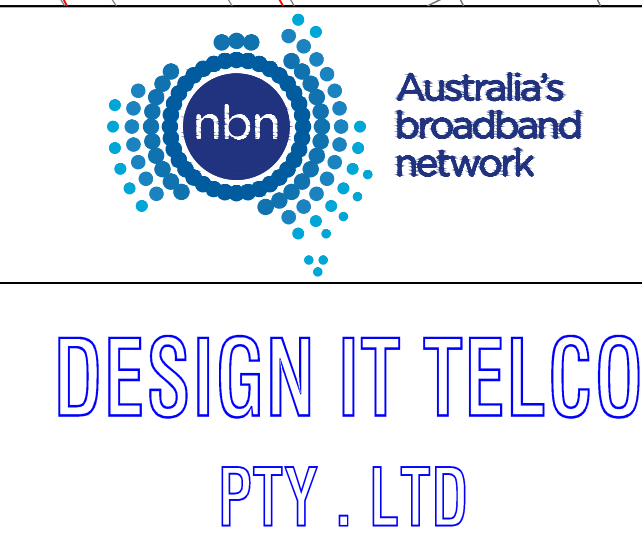
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PRECINCT 4

STATE: NSW REGION:

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PROJECT No: AYCA-54J5HH

CADREF No: PN 33824

SCALE: N/A SHEET No. 2 OF 2 REV. D