

- 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** Multipoint (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 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)
- 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
- M** < - > 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** <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

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: PIT-ID 9 P100  
CONDUIT LENGTH: 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 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: DXXXF 312F ...  
2- AERIAL: DXXXF\_A 144\_A ...  
3- BURIED: DXXXF\_B 12\_B ...

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 —

— 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



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
C	15/11/2018	CIPRIAN PASCU	AS BUILT	
B	01/05/18	CIPRIAN PASCU	FOR CONSTRUCTION	
A	25/03/2018	CIPRIAN PASCU	PRELIMINARY	

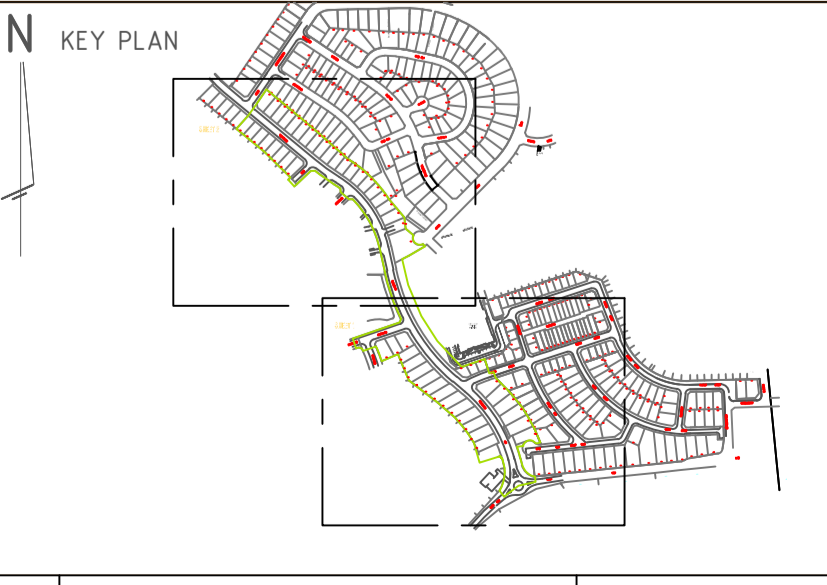
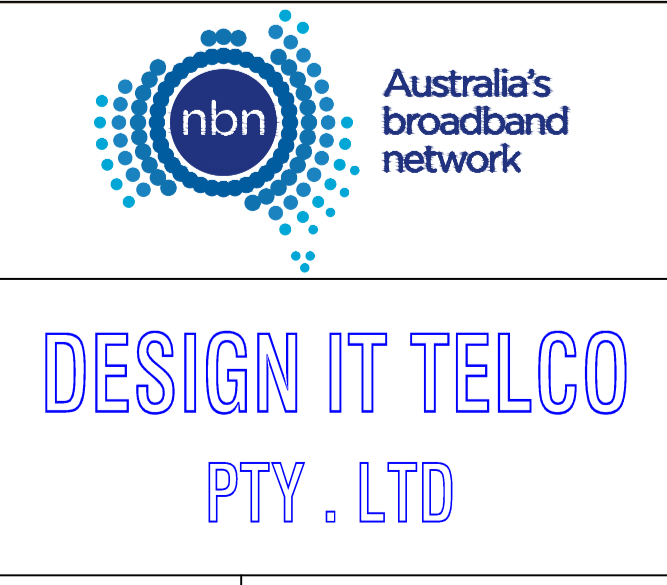
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NBNCO APPROVAL RECORD:

SIGNATURE	DATE
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<input type="checkbox"/> WD	_____
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QUALITY RECORD :

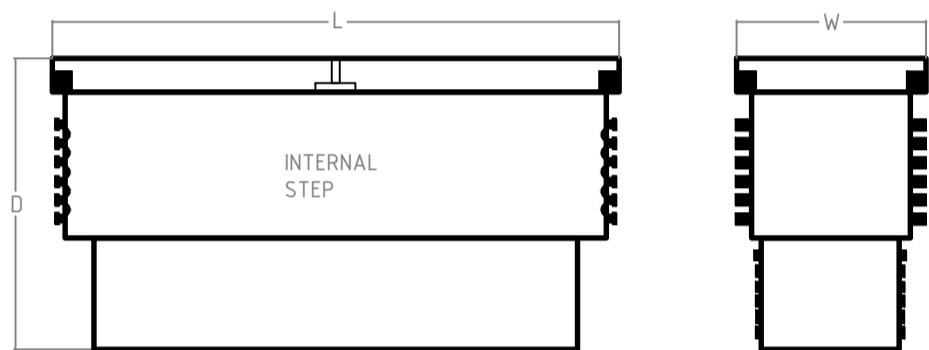
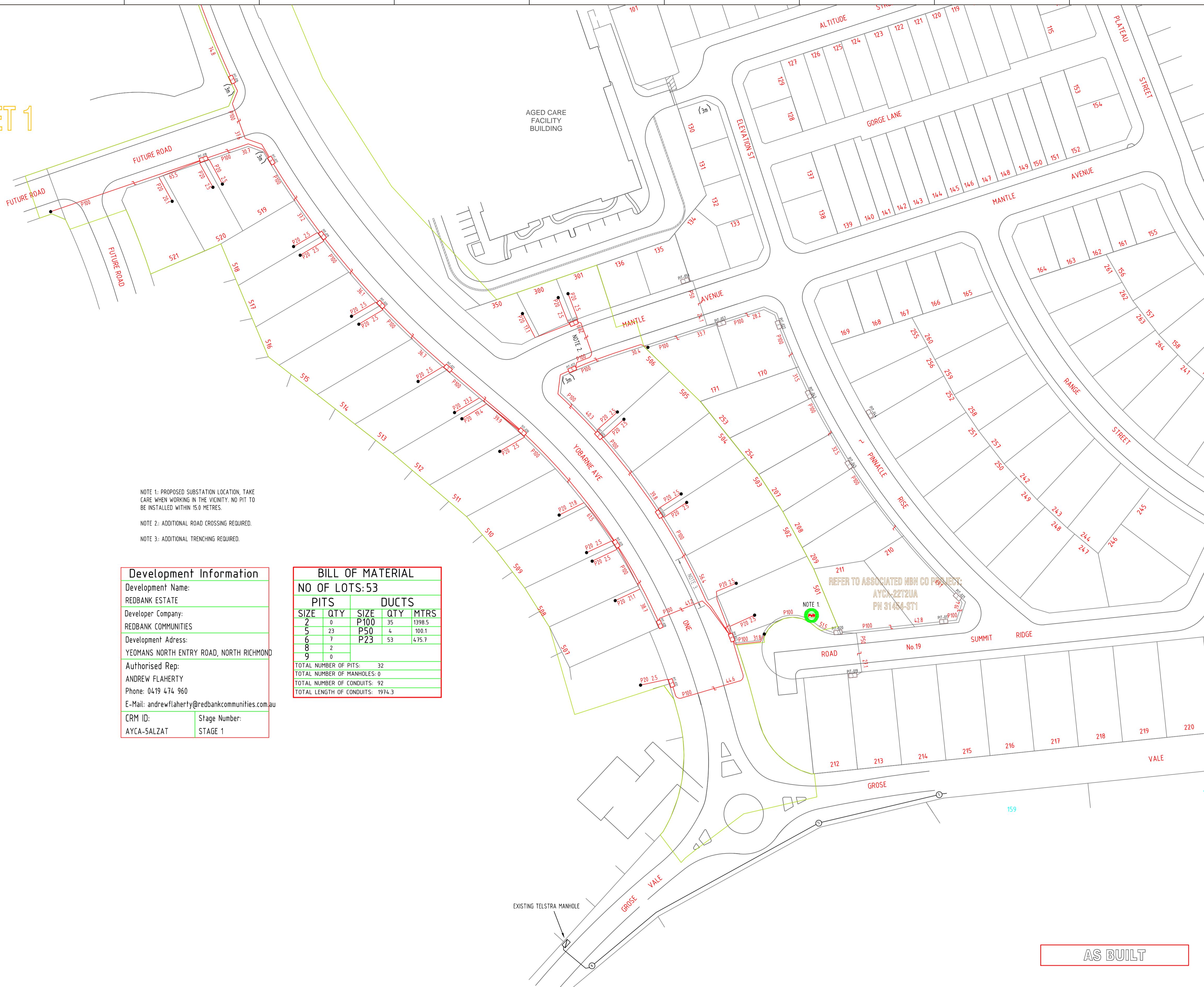
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DRAWING TITLE:  
53 LOTS SUBDIVISION - PIT & PIPE PROJECT  
YEOMANS NORTH ENTRY ROAD, NORTH RICHMOND  
"REDBANK ESTATE"

STATE: NSW	REGION:
FSA:	SAM: ADA:
PROJECT No: AYCA-5ALZAT	
CADREF No: PN 33153	
SCALE N/A	SHEET No. OF REV. C

# SHEET 1



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

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

NOTE 2: ADDITIONAL ROAD CROSSING REQUIRED.

NOTE 3: ADDITIONAL TRENCHING REQUIRED.

**Development Information**

Development Name:  
REDBANK ESTATE

Developer Company:  
REDBANK COMMUNITIES

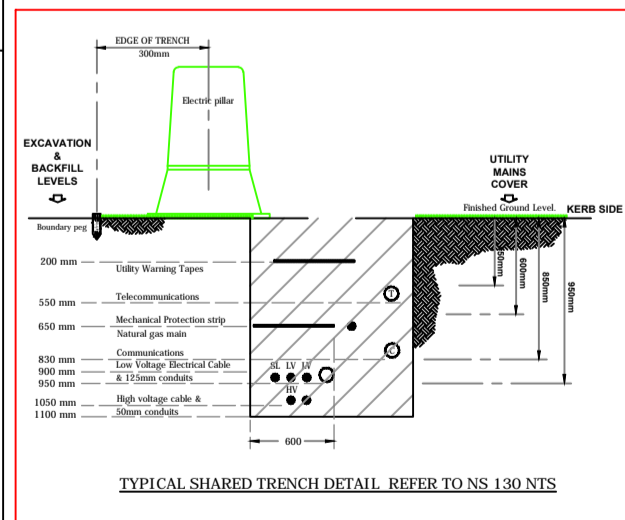
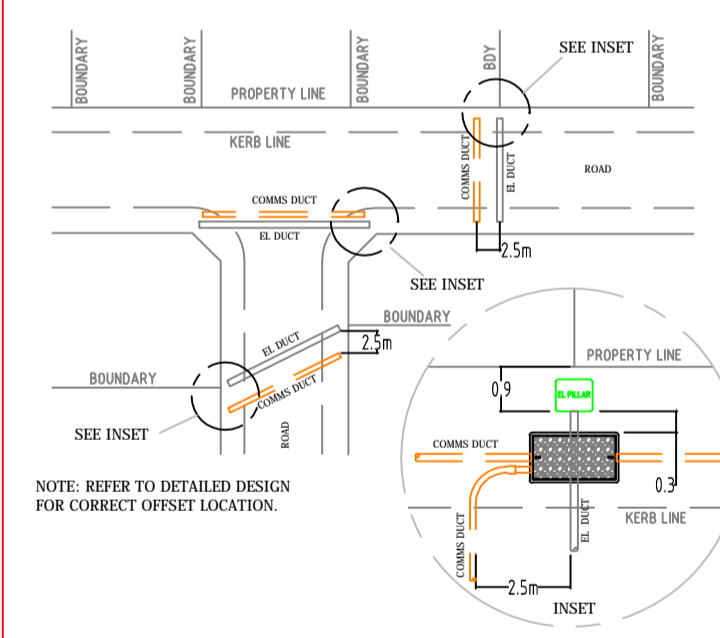
Development Address:  
YEOMANS NORTH ENTRY ROAD, NORTH RICHMOND

Authorised Rep:  
ANDREW FLAHERTY  
Phone: 0419 474 960  
E-Mail: andrewflaherty@redbankcommunities.com.au

CRM ID: AYCA-5ALZAT      Stage Number: STAGE 1

BILL OF MATERIAL				
NO OF LOTS: 53				
PITS		DUCTS		
SIZE	QTY	SIZE	QTY	MTRS
2	0	P100	35	1398.5
5	23	P50	4	100.1
6	7	P23	53	475.7
8	2			
9	0			
TOTAL NUMBER OF PITS:		32		
TOTAL NUMBER OF MANHOLES:		0		
TOTAL NUMBER OF CONDUITS:		92		
TOTAL LENGTH OF CONDUITS:		1974.3		

**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 - 08/07/2013

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

**AS BUILT**



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B	01/05/18	CIPRIAN PASCU	FOR CONSTRUCTION	
A	25/03/2018	CIPRIAN PASCU	PRELIMINARY	

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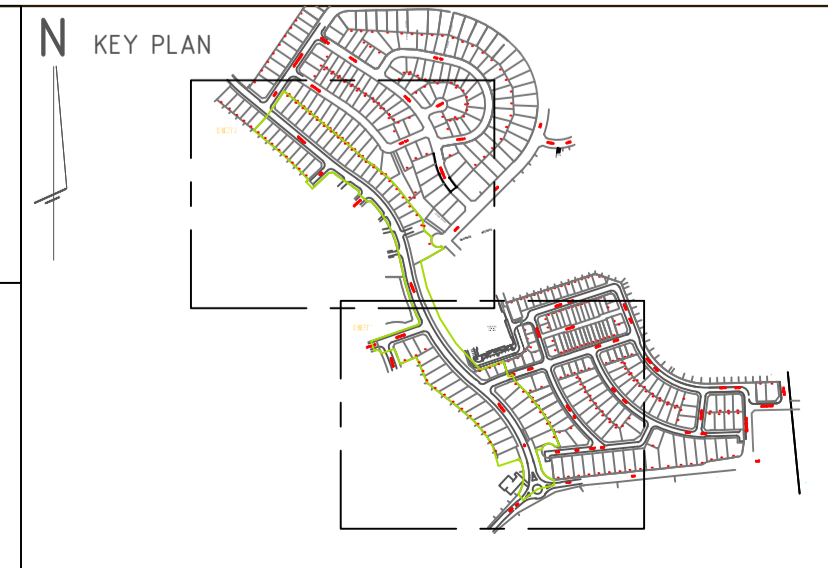
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**DESIGN IT TELCO PTY. LTD**



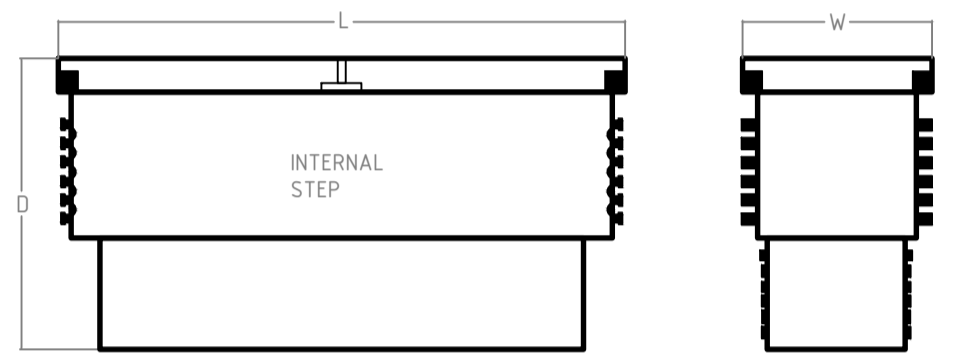
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YEOMANS NORTH ENTRY ROAD, NORTH RICHMOND  
"REDBANK ESTATE"

STATE: NSW	REGION:
FSA:	SAM: ADA:
PROJECT No: AYCA-5ALZAT	
CADREF No: PN 33153	
SCALE: N/A	SHEET No. 1 OF 2 REV. C

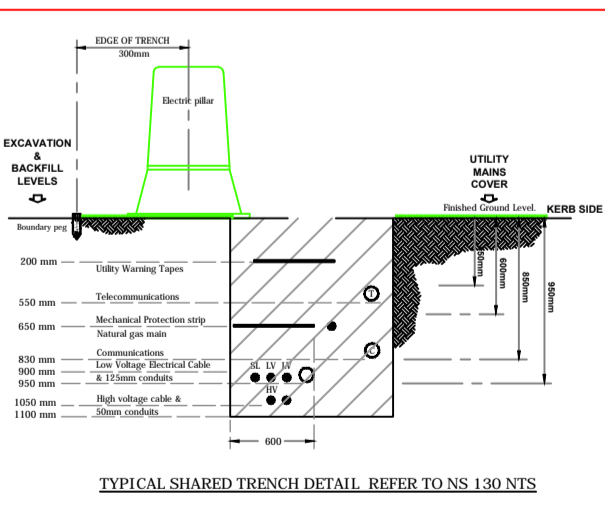
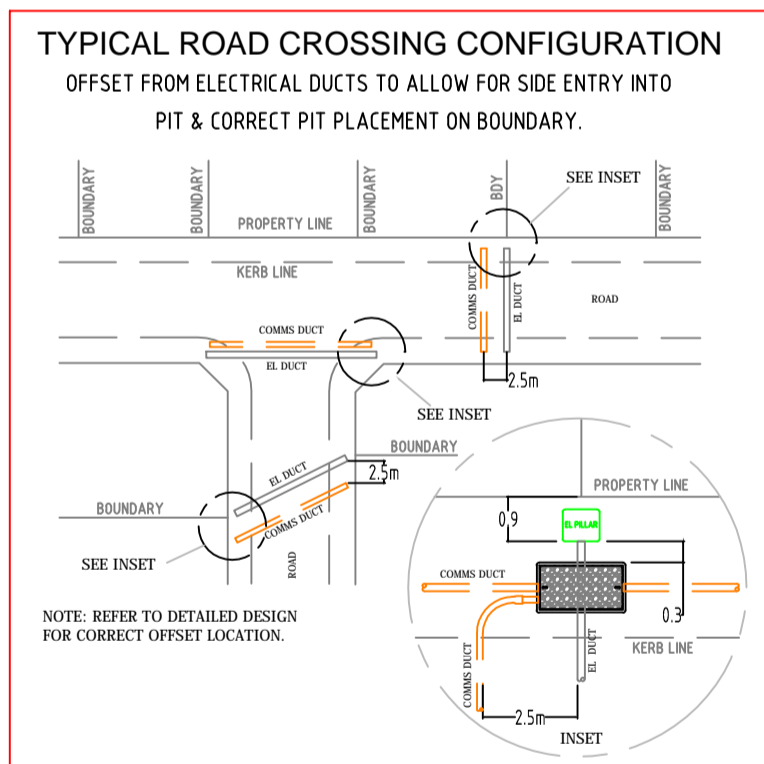
# SHEET 2



REFER TO ASSOCIATED NBN CO PROJECT:  
AYCA-225VFN  
PN 31454-6T3B



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



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AS BUILT



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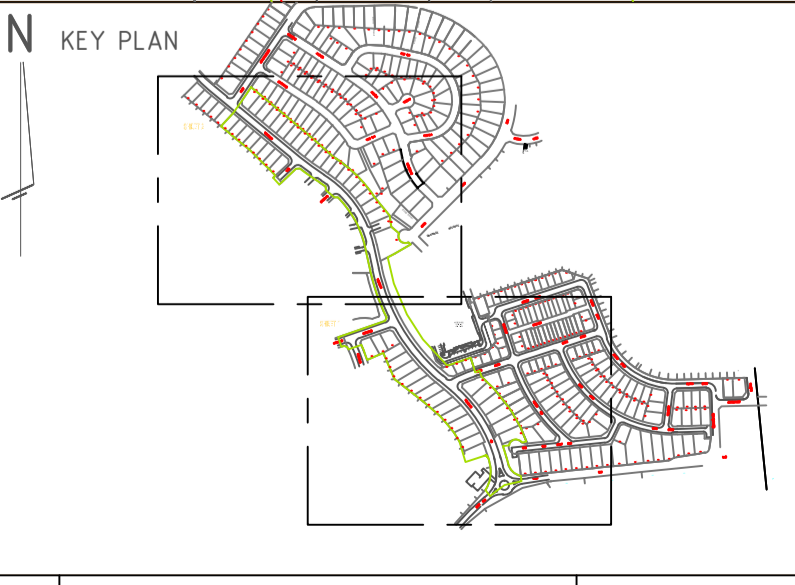
NBNCO APPROVAL RECORD:

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<input type="checkbox"/> WD		
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**DESIGN IT TELCO PTY. LTD**



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YEOMANS NORTH ENTRY ROAD, NORTH RICHMOND  
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STATE: NSW	REGION:
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