

Development Information	
Development Name: DISCOVER MARONG	
Developer Company: ARBOR ESTATES PTY LTD	
Development Address: HILLS ROAD, MARONG, VIC	
Authorised Rep: PAUL FRASER	
Phone: 03 5443 7977	
E-Mail: PAUL@TPD.COM.AU	
CRM ID: AYCA-25MTFC	Stage Number: 4

BILL OF MATERIAL				
NO OF LOTS: 29				
PITS		DUCTS		
SIZE	QTY	SIZE	QTY	MTRS
2	4	P100	10	342.8
5	8	P50	4	96.5
6	0	P23	28	382.6
8	0			
9	0			
TOTAL NUMBER OF PITS: 12				
TOTAL NUMBER OF MANHOLES: 0				
TOTAL NUMBER OF CONDUITS: 42				
TOTAL LENGTH OF CONDUITS: 821.9				

WARNING
OVERHEAD POWER LINES
Overhead power lines are present in the works area. No works can be undertaken on-site until a visit by a Powercor representative. Permit to Work may be required.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate ONLY and their exact position should be proven on site. No guarantee is given that all existing services are shown.

TABLE OF SERVICE OFFSETS

STREET NAME	WATER		GAS		POWER		NBN	
	OFFSET	SIDE	OFFSET	SIDE	U/G CABLE	OFFSET	SIDE	OFFSIDE PIT
HILLS ROAD	4.5m	W	3.75m	W	1.05m	W	0.6m	W
MERRION STREET	2.5m	W	2.1m	W	2.4m	E	1.9m	E

Note: This table is for design purposes only and cannot be used for asset locations. Offsets measured from boundary line.

GENERAL NOTES

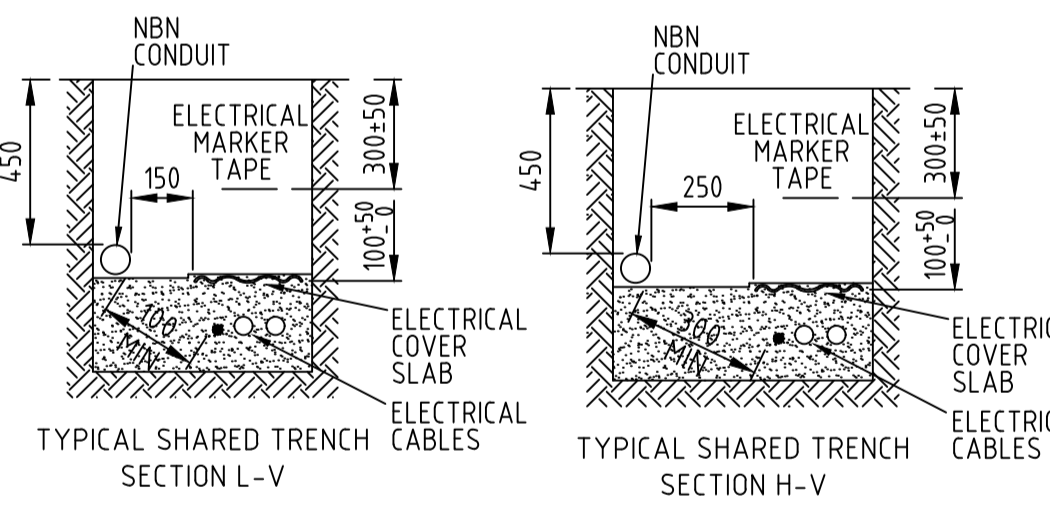
- All works, including but not limited to conduits, fittings, caps draw wire, haul ropes, installation, trenching, bedding and backfill are to be completed in accordance with "New Developments: Deployment of the NBN Conduit & Pit Network - Doc.No. NBN-TE-CTO-194, Issued 21/10/2015 Rev.6.0" all relevant Council, Communications Alliance, and Australian & New Zealand Standards.Contract is in accordance with AS2124-1992 including annexures.
- This stage consists of 33 lots, consisting of lot numbers 54-86.
- The Contractor must comply with the "Occupational Health and Safety Act 2004" and the requirements of the "Occupational Health and Safety Regulations 2007" at all times.
- Prior to commencing works the Contractor must verify the location of all services and/or contact the relevant service authorities to arrange service locations. The Contractor shall be responsible for any damages caused to existing services, whether shown on the plans or not.
- The Contractor shall notify the relevant authority 7 days prior to the commencement of construction.
- All trenches crossing pavement areas or beneath kerb or footpath are to be backfilled with 3% cement stabilised class 1 or class 3 fine crushed rock.
- At the completion of works all rubbish, debris and surplus spoil is to be removed from site and disposed of in an appropriate manner. The site must be re-instated to the satisfaction of the Superintendent and/or Responsible Authority.
- Conduits must be white and labeled "communications" and meet the minimum requirements of AS/ACIF S008: 2010 and ACIF C524:2013. 100mm nominal diameter Conduits (P100) must be PNG as detailed in AS/NZS 1477:2006 table 4.2(A). 50mm & 20mm nominal diameter Conduits (P50 & P20) must be class PN12 as detailed in AS/NZS 1477:2006 table 4.2(A).
- All conduit bends must be prefabricated, and of the same structure and material of network conduit (90° elbow bends must not be used). Minimum short run radius using pre-formed bends for P100, P50 & P20 are 0.8m, 0.3m & 0.3m respectively. Conduits must be joined using 'socket & spigot' or 'coupler' and sealed with solvent cement. ends are to be sealed with duct plugs.
- Pit lids must be labeled with the description of 'NBN', the format should resemble figure 12 "New Developments: Deployment of the nbn Conduit & Pit Network - NBN-TE-CTO-194 Rev.6".
- Pits shall be placed in line with the conduit they connect with. Conduits must enter flush with the short side of pits at least 50mm above the pit floor.
- All conduits must have a drawstring or similar installed. service conduit drawstrings are to be labeled with lot, position from boundary (L or R) and distance from boundary.

CONDUIT DEPTHS AND COVER

LOCATION	MINIMUM COVER
SERVICE DROP CONDUIT LESS THAN 3m FROM THE PIT TO THE BOUNDARY ENTRY	300mm
SERVICE DROP CONDUIT MORE THAN 3m FROM THE PIT TO THE BOUNDARY ENTRY	450mm
VERGE (WALKWAYS, FOOTPATHS)	450mm
ROAD (NON-STATE OR TERRITORY)	600mm
ROAD CROSSING	800mm to 1200mm (TYP.)

LEGEND

PIT-ID 2 Service Drop Access Pit (650mmX280mmX565mm)
 PIT-ID 5 Service Drop Access Pit/Boundary Pit/F/JL (Flexible Joint Location) (790mmX450mmX650mm)
 PIT-ID 6 Service Drop Access Pit/LN (Local Network Connection Pit/F/JL (Flexible Joint Location) (1360mmX555mmX650mm)
 PIT-ID 8 Distribution Pit/LN (Local Network Connection Pit) (1360mmX555mmX860mm)
 Transformer / Kiosk / Pad Mount Sub-station / Pole Mount Transformer
 CONDUIT SIZE: PIT-ID 8 P100 26.5 PIT-ID 5
 CONDUIT DETAIL: CONDUIT LENGTH



CLEARANCE FROM OTHER CARRIER AND SERVICES

SERVICE ITEM	MINIMUM RADIAL CLEARANCES
GAS - OVER 110mm	300mm
- LESS THAN 110mm	150mm
POWER - HIGH VOLTAGE	300mm
- LOW VOLTAGE	100mm*2
WATER MAINS - TRUNK MAINS	300mm
- LOCAL RETICULATION	150mm
SEWER - MAIN	300mm
- CONNECTION PIPE	150mm
OTHER TELECOMMUNICATIONS	100mm*1

*1 - reduced separation is possible where all parties (including NBN) are consulted and agreement is reached.
*2 - Only where protection barriers are used, for example, conduit, bedding, marker tape & cover batten.



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
C	13.08.2018	PF (TPD)	INITIAL DESIGN OF INTENT (NBN REVISED AT LOT 94 & 96 TO MATCH PCA PLAN)	AC (TPD)
B	24.07.2018	PF (TPD)	DRAFT (NBN TO FINISH PRIOR TO EXISTING POWERPOLE ADJACENT LOT 96)	AC (TPD)
A	17.05.2018	JH (TPD)	TENDER ISSUE (NOT FOR CONSTRUCTION)	PF (TPD)

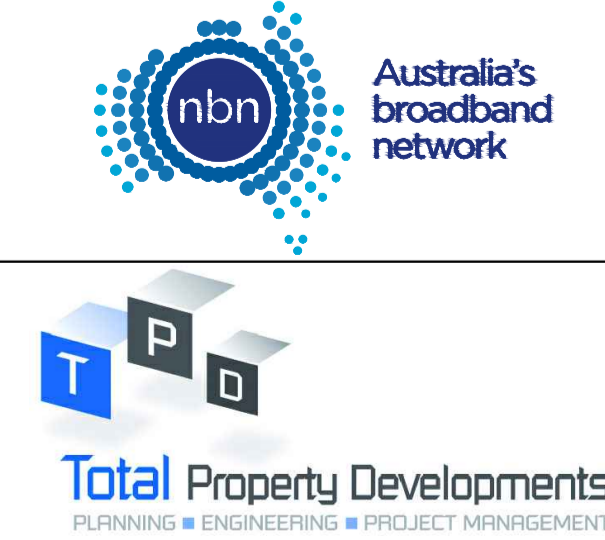
STRICTLY CONFIDENTIAL

NBNC APPROVAL RECORD:

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

QUALITY RECORD:

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KEY PLAN

DRAWING TITLE:
TENDER ISSUE (NOT FOR CONSTRUCTION)
DISCOVER MARONG (STAGE 4)
MARONG
29 LOTS

STATE: VIC REGION: _____

FSA: _____ SAM: _____ ADA: _____

PROJECT No: AYCA-5EBAR5

CADREF No: 140414-C

SCALE: NTS SHEET No. 1 OF 1 REV. C