

STANDARD DESIGN NOTES:

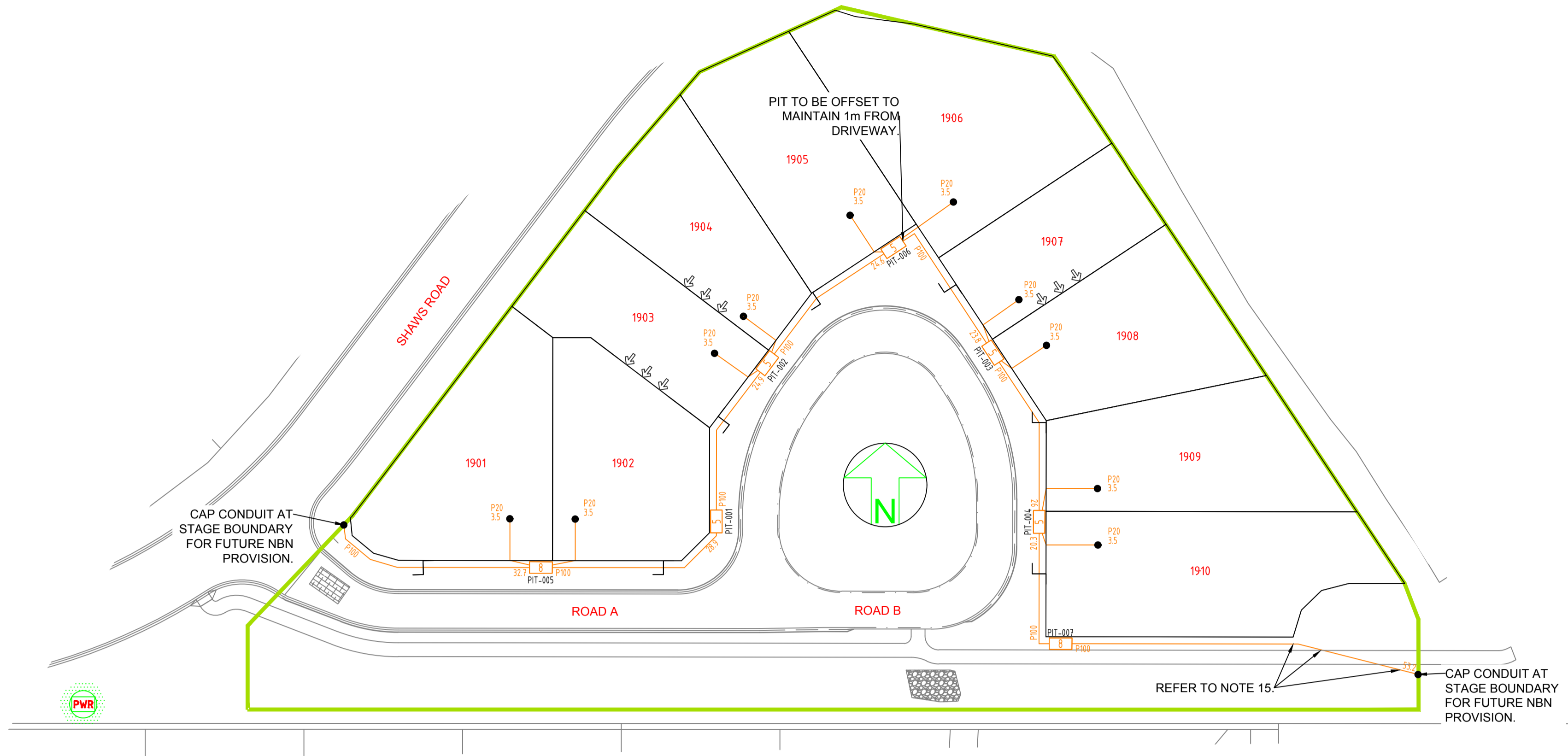
1. THERE ARE A TOTAL OF 10 SINGLE RESIDENTIAL DWELLINGS OVER 10 LOTS.
2. REFER TO SPA DRAWING 2978-E01-E02 FOR COORDINATION WITH THE ELECTRICAL DESIGN.

LEGEND

PIT-ID 2	NBN Co PIT TYPE 2 PLASTIC PIT OR SIMILAR		ZERO LOT PROPERTY BOUNDARY
PIT-ID 5	NBN Co PIT TYPE 5 PLASTIC PIT OR SIMILAR		SHARED TRENCH
PIT-ID 6	NBN Co PIT TYPE 6 PLASTIC PIT OR SIMILAR		TRANSFORMER / KIOSK / PAD MOUNT SUB-STATION / POLE MOUNT TRANSFORMER
PIT-ID 8	NBN Co PIT TYPE 8 PLASTIC PIT OR SIMILAR		END CAP CONDUIT WITH STATION NO.
	EXISTING TELSTRA PIT (2,3,4,5,6,7,8,9)		CAP SERVICE CONDUIT (P50/P20) P20=P23 mm NBNCo SERVICE CONDUIT
PIT-ID 8	EXISTING NBN Co PIT		LOCAL CONDUIT (P100/P50)
	EXISTING CONDUIT		NBNCo STAGE BOUNDARY

STANDARD CONSTRUCTION NOTES:

1. REFER TO NBN Co DOCUMENT NO. NBN-TE-CTO-194 (DEPLOYMENT OF THE NBN Co CONDUIT AND PIT NETWORK - GUIDELINES FOR DEVELOPERS) FOR DETAILED CONSTRUCTION SPECIFICATION.
2. MULTIPLE 15° CONDUIT BENDS TO BE USED TO SWING IN AND OUT OF THE STANDARD TRENCH ALIGNMENT AND ENTER THE NARROW ENDS OF THE PIT.
3. PITS TO INCLUDE LID GASKET TO PREVENT DIRT ENTRY AND SPREADER BARS TO PREVENT PIT BUCKLING DURING BACKFILL / GROUND COMPACTION. PIT LIDS TO BE EMBOSSED WITH "NBN" AND COMPLY AS PER CLAUSE 5.3.2 OF THE ABOVE NBN Co DOCUMENT.
4. SERVICE CONDUITS TO EXTEND 1m INSIDE THE FRONT PROPERTY BOUNDARY. REFER EXTENDED SERVICE CONDUIT DETAIL FOR DISTANCES FROM DIVIDING PROPERTY BOUNDARY FOR BOUNDARIES WITHOUT PIT. CONTRACTORS TO THE TELECOMMUNICATIONS CAUTION TAPE TO END OF SERVICE CONDUITS AND EXTEND TO ABOVE GROUND LEVEL FOR FUTURE CONDUIT LOCATION.
5. ALL CONDUITS TO ENTER AND EXIT AT NARROW ENDS OF PITS ONLY. LOCATE CONDUITS AS CENTRALLY IN PIT END WALLS AS POSSIBLE. CONDUITS SHALL NOT BE INSTALLED WITHIN 50 mm OF ANY CORNER OF THE PIT. MINIMUM SEPARATION BETWEEN CONDUITS TO BE 25 mm. INSTALL CONDUITS AND CONDUIT COLLARS (BUSHES) TO BE SQUARE AND FLUSH WITH THE PIT END WALL. REFER TO THE PIT END WALL DETAILS IN THIS DESIGN FOR ADDITIONAL REQUIREMENTS.
6. MINIMUM COVER TO BE: 300 mm FOR SERVICE DROP CONDUITS, 450 mm IN VERGE, 600 mm UNDER LOCAL ROADS, AND 800 mm UNDER MAIN ROADS.
7. CONDUITS ARE TO BE CLEANED AND PROVEN USING A MANDREL. AFTER TESTING INSTALL A SUITABLE DRAW ROPE TO ALL CONDUITS AND CAP CONDUIT ENDS. SEAL CONDUITS AT PITS TO PREVENT ENTRY OF DUST AND MOISTURE. SERVICE CONDUIT DRAW ROPES TO BE ADDITIONALLY FITTED WITH A PLASTIC LABEL AT PIT END, IDENTIFYING LOT NUMBER AND DISTANCE / DIRECTION FROM BOUNDARY.
8. INSTALL NON CONDUCTIVE (METAL FREE) MARKER TAPE ABOVE ALL NBN Co CONDUITS, 300 mm BELOW FINISHED GROUND LEVEL. INSTALL METALLIC KERB MARKERS AT ROAD CROSSINGS.
9. REFER TO ERGON ENERGY STANDARD DRAWINGS 5228 AND 5168 SHEETS 1 TO 3 FOR SHARED TRENCH CROSS SECTIONS.
10. GRADE TOP OF PIT TO MATCH VERGE / FOOTPATH.
11. WHERE REQUIRED, SUPPLY AND INSTALL SERVICE AND ROAD CROSSING CONDUITS SHOWN IN THE SITE PLAN.
12. WHERE CONDUIT BURIAL DEPTH IS LESS THAN THAT SPECIFIED IN THE NBN Co DEPLOYMENT OF CONDUIT AND PIT NETWORK GUIDELINES, SUPPLY AND INSTALL CONCRETE COVER (FOR VERGE AND FOOTPATH) / CONCRETE ENCASEMENT (FOR ROADWAYS) ENSURE THAT MINIMUM SEPARATION TO ALL OTHER SERVICES ARE MAINTAINED.
13. NBN Co CONDUIT TO BE INSTALLED UNDERNEATH STORM WATER WHEN MINIMUM COVER CANNOT BE ACHIEVED WITH CONCRETE ENCASEMENT. REFER TO THE NBN Co DEPLOYMENT OF CONDUIT AND PIT NETWORK GUIDELINES FOR THE MINIMUM CLEARANCES REQUIRED.
14. SUPPLY AND INSTALL ADDITIONAL DEVIATING CONDUIT BENDS TO ACHIEVE THE INCREASED / DECREASED BURIAL DEPTH REQUIRED TO AVOID CLASH WITH OTHER SERVICES.
15. CONDUIT TO AVOID EXISTING AND PROPOSED SERVICES. I.E. WATER THRUST BLOCKS, EXISTING GATES, DRAINAGE WHILE MAINTAINING MINIMUM COVER. REFER TO NOTE 12 & 13.



LAYOUT PLAN
SCALE 1:500 @ A1

BILL OF MATERIAL
NO OF LOTS: 10

PITS		DUCTS	
SIZE	QTY	SIZE	QTY MTRS
2	0	P100	8 234.4
5	5	P50	0 0
6	0	P23	10 35
8	2		
9	0		

TOTAL NUMBER OF PITS: 7
TOTAL NUMBER OF MANHOLES: 0
TOTAL NUMBER OF CONDUITS: 18
TOTAL LENGTH OF CONDUITS: 269.4

CONDUIT CONFIGURATION

CONDUITS AND DUCTS ARE IN LAYER:
< L460 NBN Support - Underground >
AND TERMINOLOGY CATEGORISED INTO TWO GROUPS IN THE DRAWINGS AS PER BELOW:
1- DUCT USED WITH LOCAL NETWORK
2- CONDUIT USED WITH LEAD-IN DROPS
ATTRIBUTES ATTACHED TO CONDUITS ARE AS SHOWN



- NOTE:
- P100 HAS AN INTERNAL DIAMETER OF 104.9 mm AND A MINIMUM WALL THICKNESS OF 4.5 mm
 - P50 HAS AN INTERNAL DIAMETER OF 53 mm AND A MINIMUM WALL THICKNESS OF 3.1 mm
 - P20 HAS AN INTERNAL DIAMETER OF 23.3 mm AND A MINIMUM WALL THICKNESS OF 1.4 mm

FOR CONSTRUCTION

SAFETY FIRST
SAFETY STARTS WITH YOU

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.



REV	DATE	DRAFTER	DESCRIPTION	APPROVED
C	1/08/18	HK	NOTES REMOVED	
B	26/07/18	HK	PITS RELOCATED TO AVOID DRIVEWAYS	JE
A	23/07/2018	KB	APPROVAL RECEIVED - FOR CONSTRUCTION	JE
3	13/07/18	HK	UPDATED P20 LEAD INS	
2	20/06/18	HK	UPDATED TITLE BLOCK	JE
1	18/04/18	HK	FOR APPROVAL	JE

STRICTLY CONFIDENTIAL

NBNC APPROVAL RECORD:

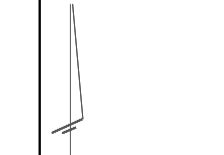
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QUALITY RECORD:

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KEY PLAN



DRAWING TITLE:
LOT 330 SHAW'S ROAD
NBNCo PIT & PIPE DESIGN
LAYOUT PLAN

STATE: QLD	REGION:
FSA:	SAM: ADA:
PROJECT No: AYCA-5F0E7F	
CADREF No: 2978-T01	
SCALE AS SHOWN	SHEET No. 1 OF 2 REV. C