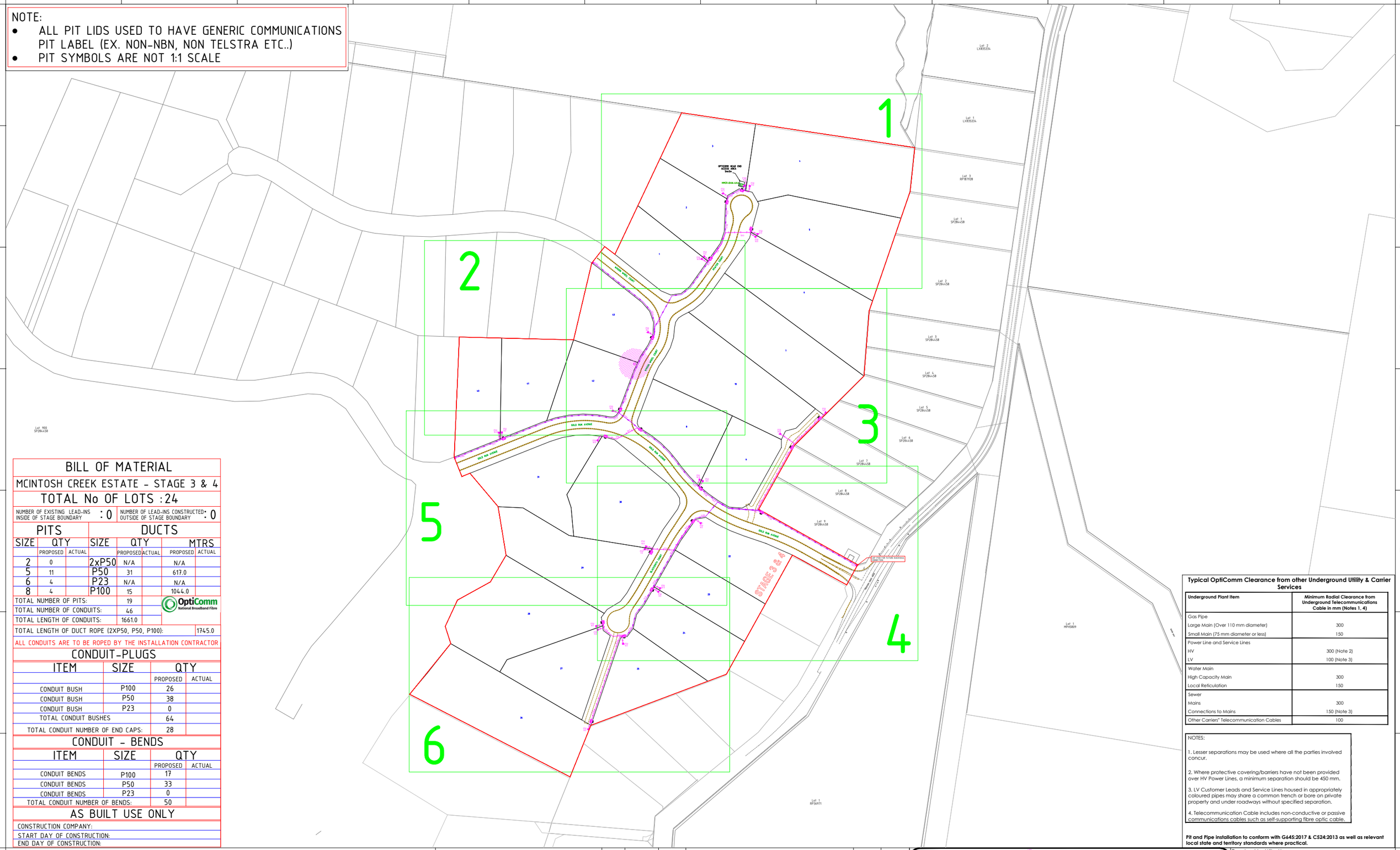
NOTE:
- ALL PIT LIDS USED TO HAVE GENERIC COMMUNICATIONS PIT LABEL (EX. NON-NBN, NON TELSTRA ETC..)
- PIT SYMBOLS ARE NOT 1:1 SCALE



BILL OF MATERIAL

MCINTOSH CREEK ESTATE - STAGE 3 & 4

TOTAL No OF LOTS : 24

NUMBER OF EXISTING LEAD-INS INSIDE OF STAGE BOUNDARY	: 0	NUMBER OF LEAD-INS CONSTRUCTED OUTSIDE OF STAGE BOUNDARY	: 0

PITS			DUCTS				
SIZE	QTY		SIZE	QTY		MTRS	
	PROPOSED	ACTUAL		PROPOSED	ACTUAL	PROPOSED	ACTUAL
2	0		2xP50	N/A		N/A	
5	11		P50	31		617.0	
6	4		P23	N/A		N/A	
8	4		P100	15		1044.0	
TOTAL NUMBER OF PITS:				19			
TOTAL NUMBER OF CONDUITS:				46			
TOTAL LENGTH OF CONDUITS:				1661.0			
TOTAL LENGTH OF DUCT ROPE (2XP50, P50, P100):						1745.0	

OptiComm National Broadband Fibre

ALL CONDUITS ARE TO BE ROPED BY THE INSTALLATION CONTRACTOR

CONDUIT-PLUGS

ITEM	SIZE	QTY	
		PROPOSED	ACTUAL
CONDUIT BUSH	P100	26	
CONDUIT BUSH	P50	38	
CONDUIT BUSH	P23	0	
TOTAL CONDUIT BUSHES		64	
TOTAL CONDUIT NUMBER OF END CAPS:		28	

CONDUIT - BENDS

ITEM	SIZE	QTY	
		PROPOSED	ACTUAL
CONDUIT BENDS	P100	17	
CONDUIT BENDS	P50	33	
CONDUIT BENDS	P23	0	
TOTAL CONDUIT NUMBER OF BENDS:		50	

AS BUILT USE ONLY

CONSTRUCTION COMPANY:

START DAY OF CONSTRUCTION:

END DAY OF CONSTRUCTION:

Typical OptiComm Clearance from other Underground Utility & Carrier Services

Underground Plant Item	Minimum Radial Clearance from Underground Telecommunications Cable in mm (Notes 1, 4)
Gas Pipe	
Large Main (Over 110 mm diameter)	300
Small Main (75 mm diameter or less)	150
Power Line and Service Lines	
HV	300 (Note 2)
LV	100 (Note 3)
Water Main	
High Capacity Main	300
Local Reticulation	150
Sewer	
Mains	300
Connections to Mains	150 (Note 3)
Other Carriers' Telecommunication Cables	100

NOTES:

1. Lesser separations may be used where all the parties involved concur.

2. Where protective covering/barriers have not been provided over HV Power Lines, a minimum separation should be 450 mm.

3. LV Customer Leads and Service Lines housed in appropriately coloured pipes may share a common trench or bore on private property and under roadways without specified separation.

4. Telecommunication Cable includes non-conductive or passive communications cables such as self-supporting fibre optic cable.

Pit and Pipe installation to conform with G645:2017 & C524:2013 as well as relevant local state and territory standards where practical.

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OPTICOMM PROJECT MANAGER : ANDREW GARROW

CONTACT NUMBER : 0438 973 566

EMAIL : AGARROW@OPTICOMM.COM.AU

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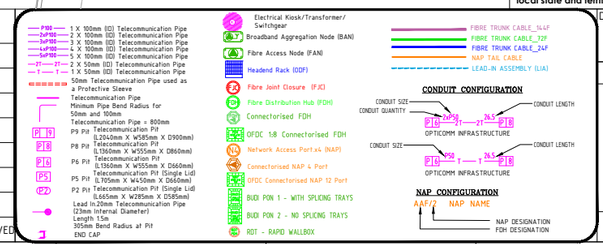
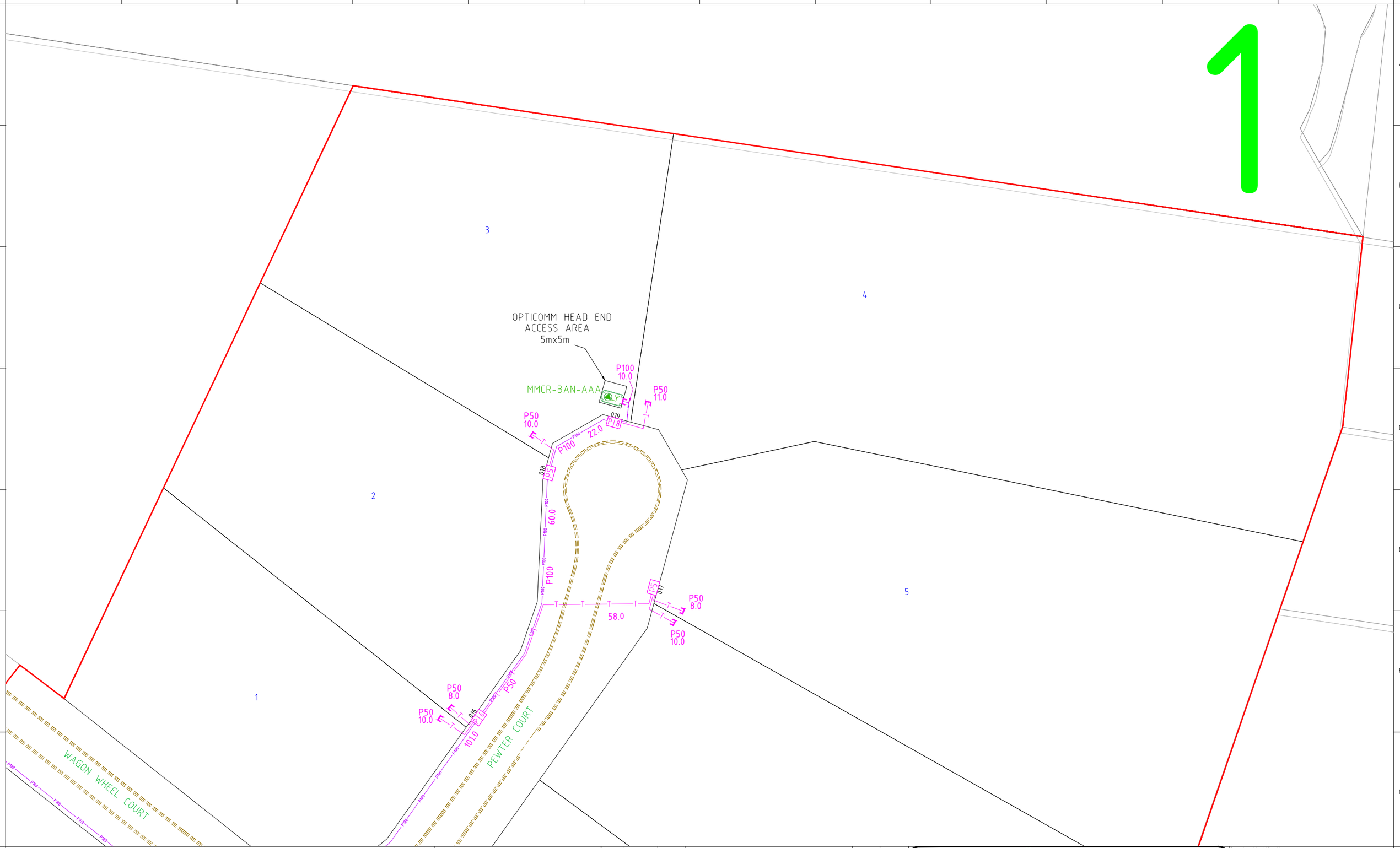


Drawing Identification
MCCR-0304

STATE: QLD | REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
KEY PLAN

SCALE	SHEET No.	REV.
NTS	KP OF 6	1



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-					
-					
-					
-					
1	28/06/2023	JS-RELINK	CIVIL DESIGN ISSUED FOR CONSTRUCTION	T.B.	I.A.

P02 — 2 X 100mm (ID) Telecommunication Pipe
3xP100 — 3 X 100mm (ID) Telecommunication Pipe
4xP100 — 4 X 100mm (ID) Telecommunication Pipe
5xP100 — 5 X 100mm (ID) Telecommunication Pipe
2T — 2 X 50mm (ID) Telecommunication Pipe
T — 1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P5 Pit — Telecommunication Pit (L2040mm X W585mm X D900mm)
P8 Pit — Telecommunication Pit (L1360mm X W555mm X D860mm)
P6 Pit — Telecommunication Pit (L1360mm X W555mm X D660mm)
P5 Pit — Telecommunication Pit (L705mm X W450mm X D660mm)
P2 Pit — Telecommunication Pit (Single Lid) (L665mm X W285mm X D585mm)
Lead In 20mm Telecommunication Pipe (23mm Internal Diameter) Length 15m
305mm Bend Radius at Pit
END CAP

Electrical Kiosk/Transformer/ Switchgear
Broadband Aggregation Node (BAN)
Fibre Access Node (FAN)
Headend Rack (ODF)
Fibre Joint Closure (FJC)
Fibre Distribution Hub (FDH)
Connectorised FDH
OFDC 1:8 Connectorised FDH
Network Access Port x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
BUDI PON 1 - WITH SPLICING TRAYS
BUDI PON 2 - NO SPLICING TRAYS
RDT - RAPID WALLBOX

FIBRE TRUNK CABLE_144F
FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

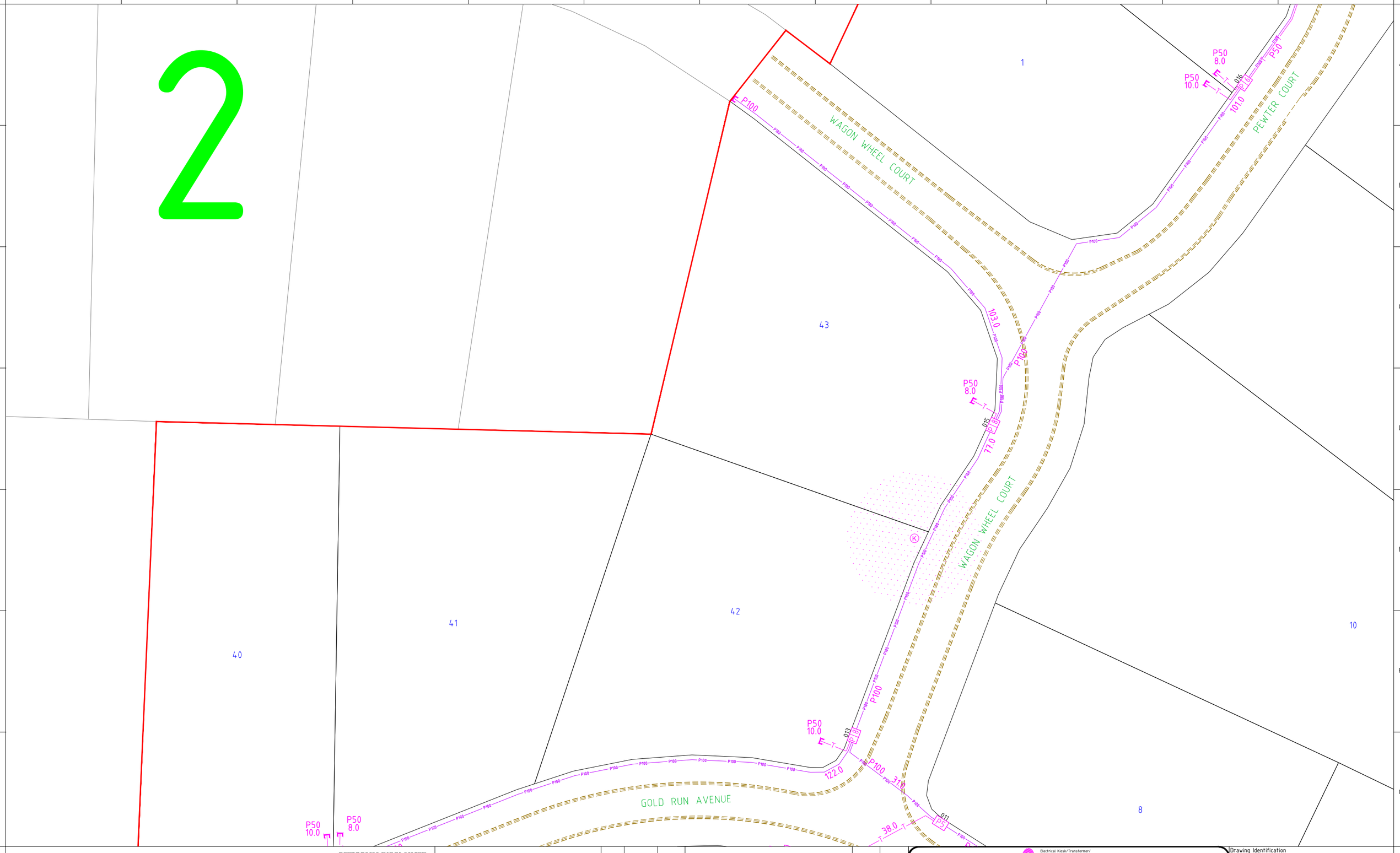
CONDUIT CONFIGURATION
CONDUIT SIZE
CONDUIT QUANTITY
CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE
NAP CONFIGURATION
NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
MCCR-0304

STATE: QLD
REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE	SHEET No.	REV.
NTS	1 OF 6	1



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REV	DATE	DESIGN	DESCRIPTION	CHECKED	APPROVED
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1	28/06/2023	JS-RELINK	CIVIL DESIGN ISSUED FOR CONSTRUCTION	T.B.	I.A.

P100 1 X 100mm (OD) Telecommunication Pipe
2xP100 2 X 100mm (OD) Telecommunication Pipe
3xP100 3 X 100mm (OD) Telecommunication Pipe
4xP100 4 X 100mm (OD) Telecommunication Pipe
5xP100 5 X 100mm (OD) Telecommunication Pipe
2-P50 2 X 50mm (ID) Telecommunication Pipe
1-P50 1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P9 Pit Telecommunication Pit (L2040mm X W1895mm X D900mm)
P8 Pit Telecommunication Pit (L1560mm X W1355mm X D860mm)
P6 Pit Telecommunication Pit (L1060mm X W1055mm X D660mm)
P5 Pit Telecommunication Pit (Single Lid) (L1055mm X W650mm X D660mm)
P2 Pit Telecommunication Pit (Single Lid) (L665mm X W285mm X D585mm)
Lead In 20mm Telecommunication Pipe (23mm Internal Diameter) Length 15m
305mm Bend Radius at Pit
END CAP

Electrical Kiosk/Transformer/ Switchgear
Broadband Aggregation Node (BAN)
Fibre Access Node (FAN)
Headend Rack (ODF)
Fibre Joint Closure (FJC)
Fibre Distribution Hub (FDH)
Connectorised FDH
OFDC 1:8 Connectorised FDH
Network Access Port x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
BUDI PON 1 - WITH SPLICING TRAYS
BUDI PON 2 - NO SPLICING TRAYS
RDT - RAPID MALLBOX

FIBRE TRUNK CABLE_144F
FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE
CONDUIT QUANTITY
CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE

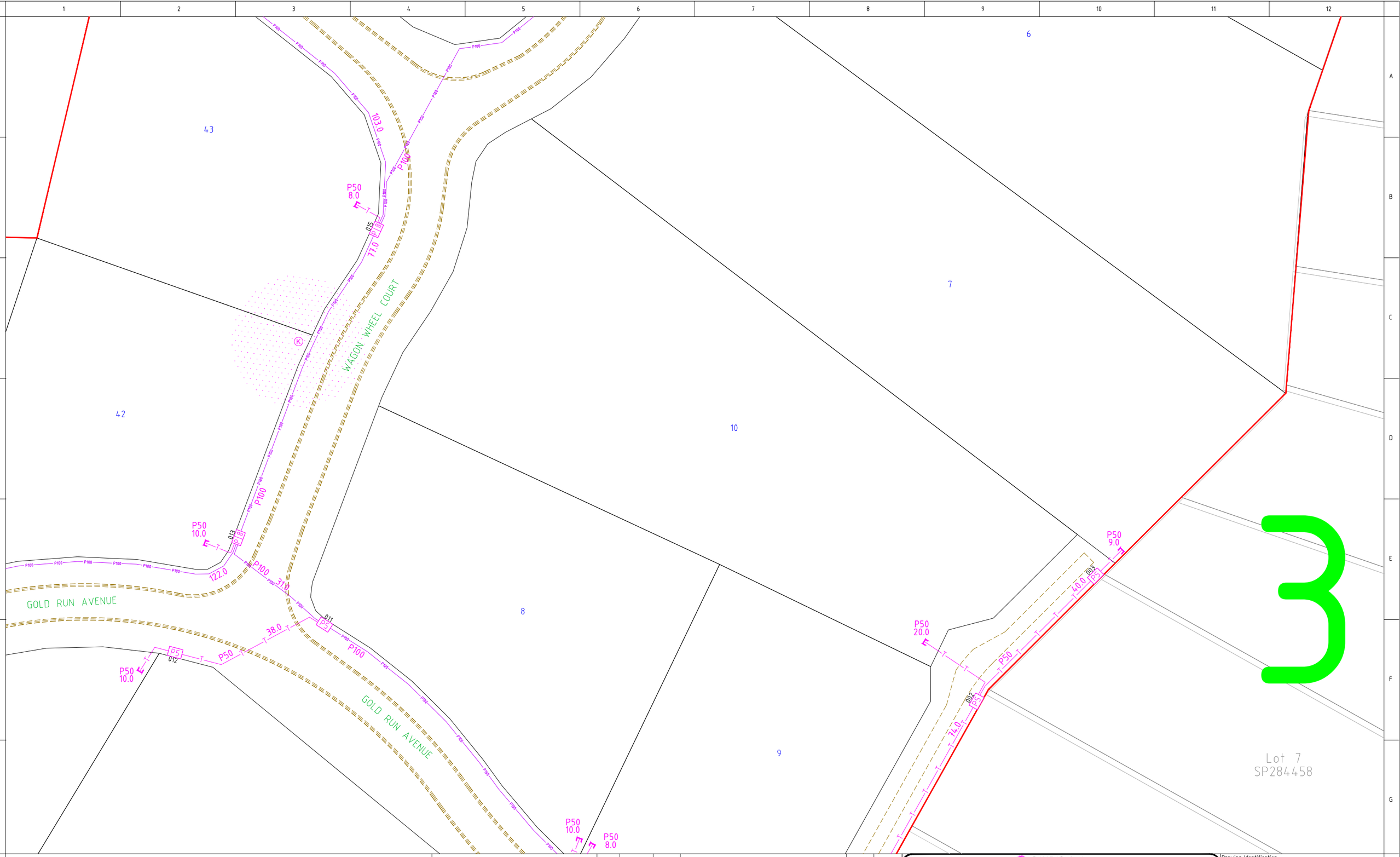
NAP CONFIGURATION
AAF/2 NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
MCCR-0304

STATE: QLD | REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE	SHEET No.	REV.
NTS	2 OF 6	1



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REV	DATE	DESIGN	DESCRIPTION	CHECKED	APPROVED
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P100 1 X 100mm (ID) Telecommunication Pipe
2xP100 2 X 100mm (ID) Telecommunication Pipe
3xP100 3 X 100mm (ID) Telecommunication Pipe
4xP100 4 X 100mm (ID) Telecommunication Pipe
5xP100 5 X 100mm (ID) Telecommunication Pipe
2I 2 X 50mm (ID) Telecommunication Pipe
I 1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P9 Pit Telecommunication Pit (L2040mm X W1495mm X D900mm)
P8 Pit Telecommunication Pit (L1360mm X W1055mm X D860mm)
P6 Pit Telecommunication Pit (L1360mm X W1055mm X D660mm)
P5 Pit Telecommunication Pit (Single Lid) (L1015mm X W650mm X D660mm)
P2 Pit Telecommunication Pit (Single Lid) (L665mm X W285mm X D585mm)
Lead In 20mm Telecommunication Pipe (23mm Internal Diameter) Length 15m
305mm Bend Radius at Pit
END CAP

Electrical Kiosk/Transformer/ Switchgear
Broadband Aggregation Node (BAN)
Fibre Access Node (FAN)
Headend Rack (ODF)
Fibre Joint Closure (FJC)
Fibre Distribution Hub (FDH)
Connectorised FDH
OFDC 1:8 Connectorised FDH
Network Access Port x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
BUDI PON 1 - WITH SPLICING TRAYS
BUDI PON 2 - NO SPLICING TRAYS
RDT - RAPID MAILBOX

FIBRE TRUNK CABLE_144F
FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE
CONDUIT QUANTITY
CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE

NAP CONFIGURATION
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
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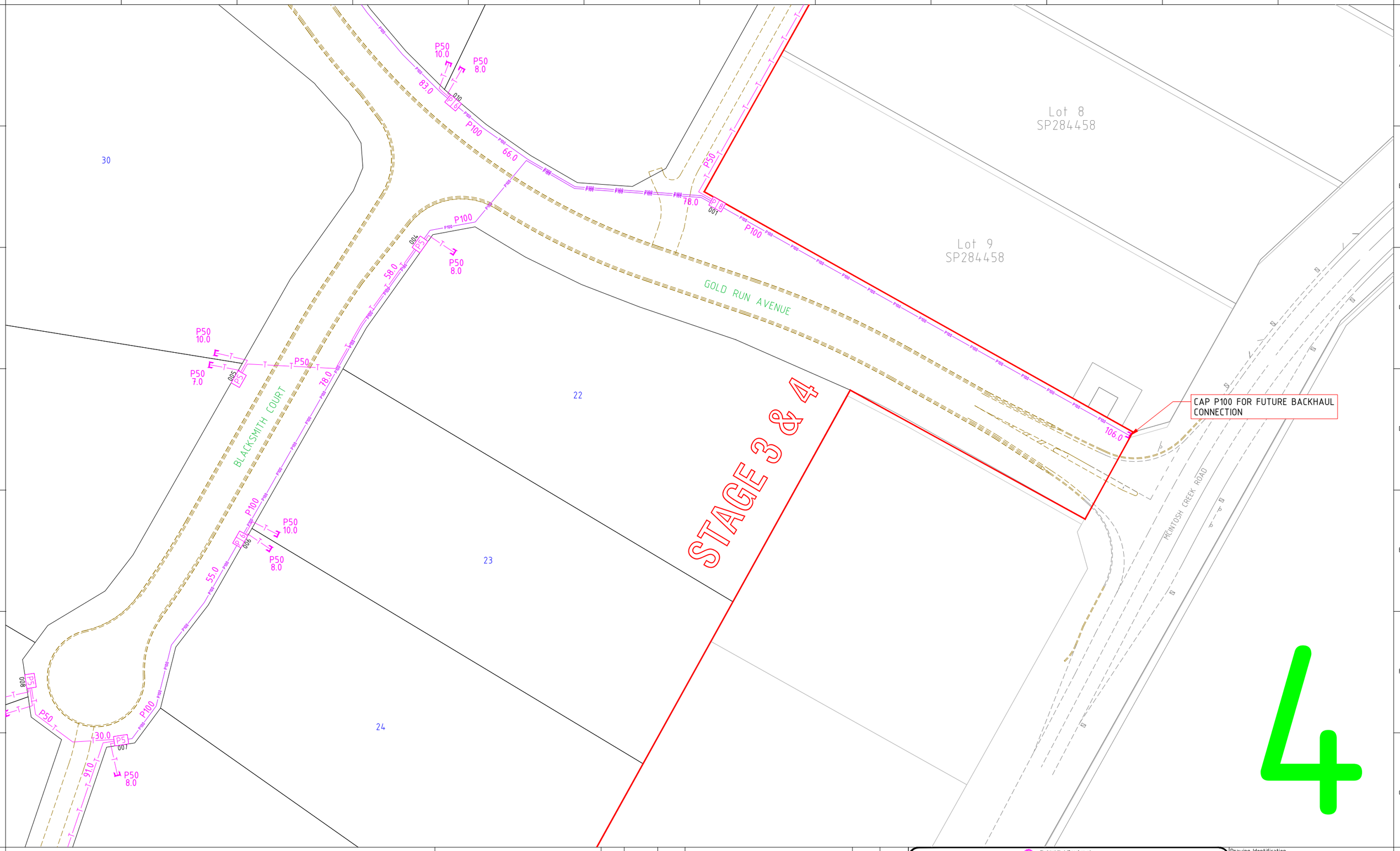
STATE: QLD | REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE	SHEET No.	REV.
NTS	3 OF 6	1



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REV	DATE	DESIGN	DESCRIPTION	CHECKED	APPROVED
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-					
-					
-					
-					
1	28/06/2023	JS-RELINK	CIVIL DESIGN ISSUED FOR CONSTRUCTION	T.B.	I.A.

1 X 100mm (ID) Telecommunication Pipe
2 X 100mm (ID) Telecommunication Pipe
3 X 100mm (ID) Telecommunication Pipe
4 X 100mm (ID) Telecommunication Pipe
5 X 100mm (ID) Telecommunication Pipe
2 X 50mm (ID) Telecommunication Pipe
1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P8 Pit Telecommunication Pit (L1204mm X W585mm X D900mm)
P6 Pit Telecommunication Pit (L1360mm X W555mm X D860mm)
P5 Pit Telecommunication Pit (L1360mm X W555mm X D660mm)
P2 Pit Telecommunication Pit (Single Lid) (L705mm X W450mm X D650mm)
Telecommunication Pit (Single Lid) (L665mm X W285mm X D585mm)
Lead In 20mm Telecommunication Pipe (23mm Internal Diameter) Length 15m
305mm Bend Radius at Pit
END CAP
Electrical Kiosk/Transformer/ Switchgear
Broadband Aggregation Node (BAN)
Fibre Access Node (FAN)
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Network Access Port x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
BUDI PON 1 - WITH SPLICING TRAYS
BUDI PON 2 - NO SPLICING TRAYS
ROT - RAPID WALLBOX
FIBRE TRUNK CABLE_144F
FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE
CONDUIT QUANTITY
CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE

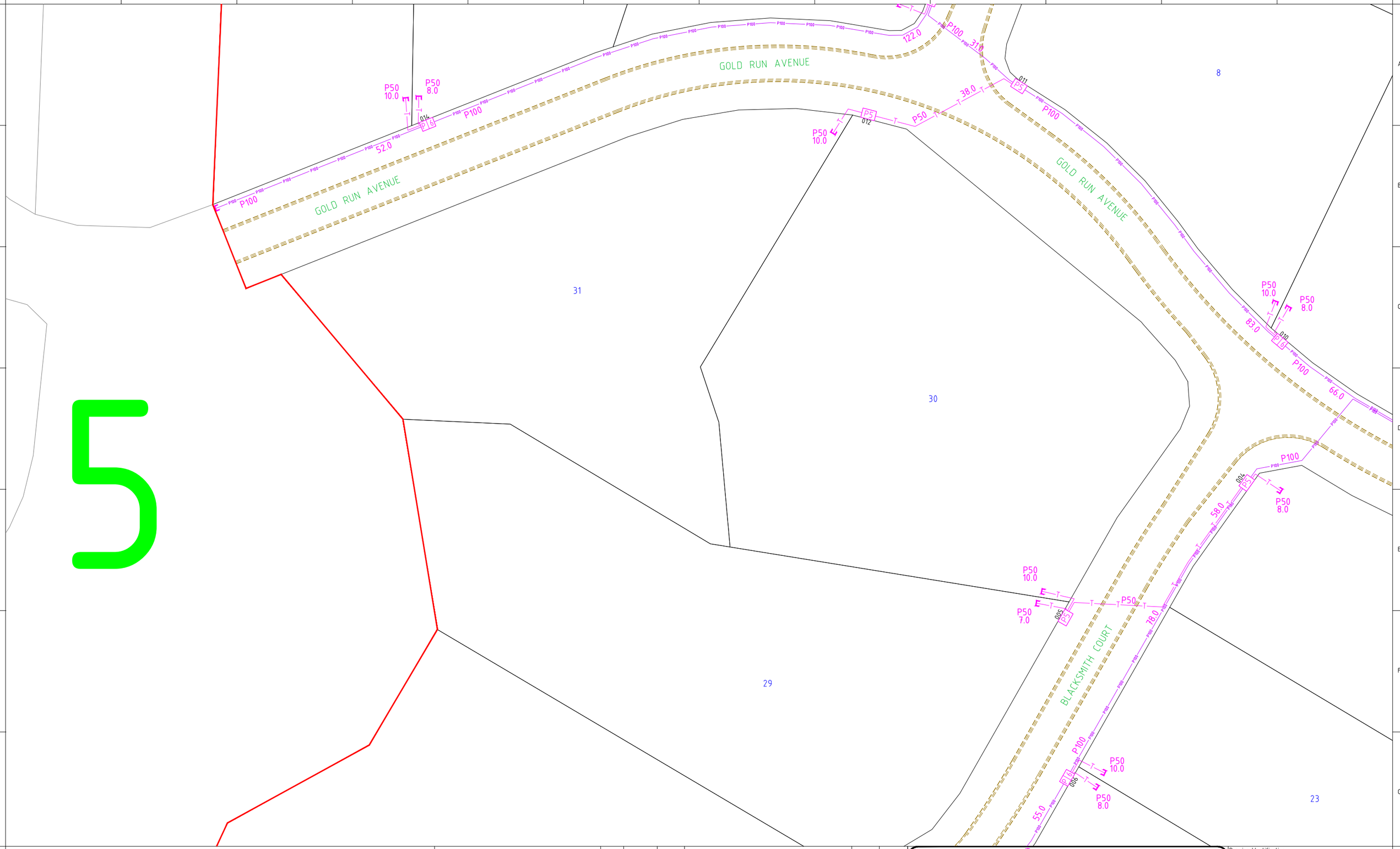
NAP CONFIGURATION
NAP ID
NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
MCCR-0304

STATE: QLD
REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE NTS
SHEET No. 4 OF 6
REV. 1



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2xP100 2 X 100mm (ID) Telecommunication Pipe
3xP100 3 X 100mm (ID) Telecommunication Pipe
4xP100 4 X 100mm (ID) Telecommunication Pipe
5xP100 5 X 100mm (ID) Telecommunication Pipe
2T 2 X 50mm (ID) Telecommunication Pipe
T 1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P9 Pit Telecommunication Pit (L2040mm X W985mm X D900mm)
P8 Pit Telecommunication Pit (L1560mm X W935mm X D860mm)
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305mm Bend Radius at Pit
END CAP

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FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE
CONDUIT QUANTITY
CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE

NAP CONFIGURATION
NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
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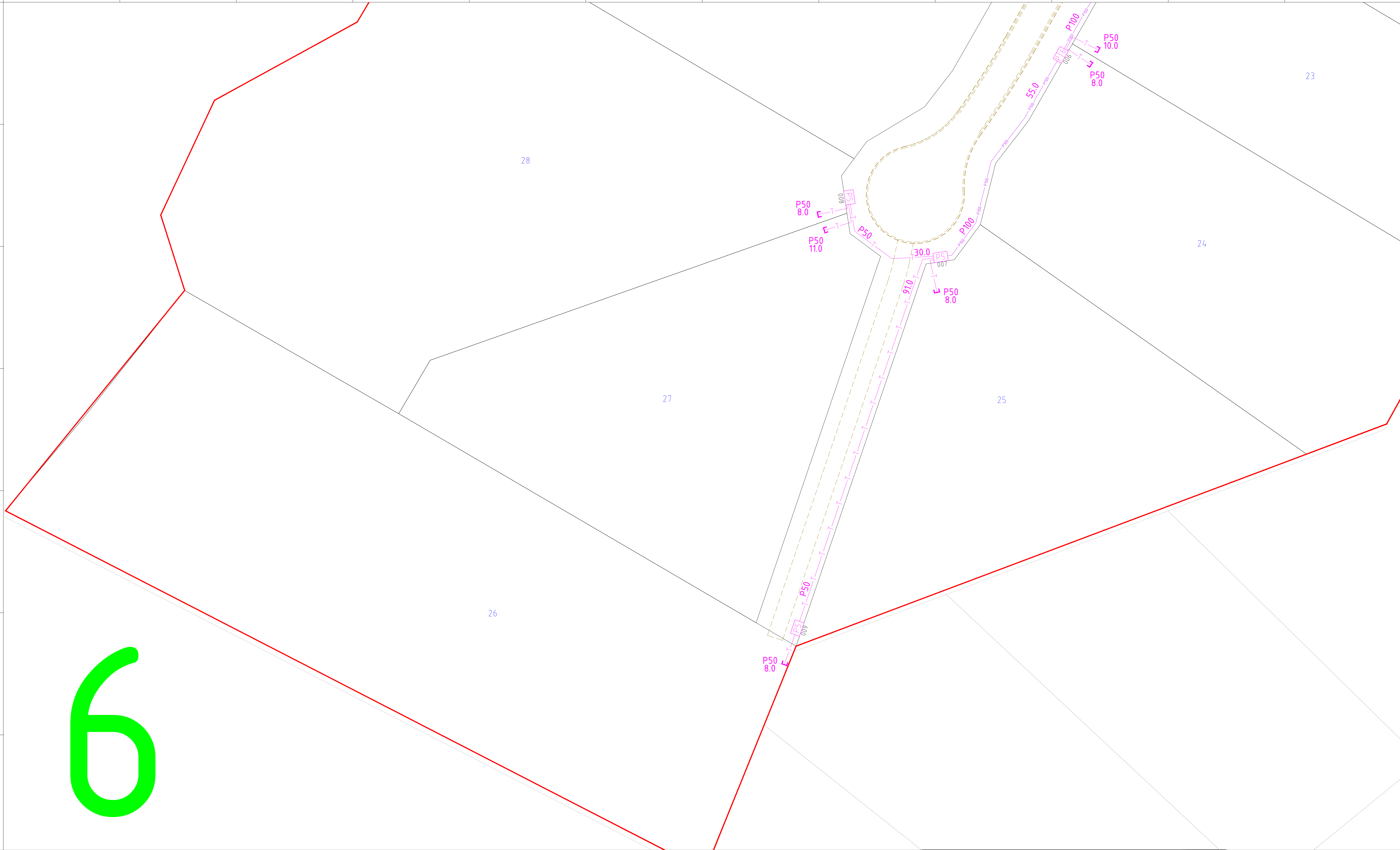
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE	SHEET No.	REV.
NTS	5 OF 6	1



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OPTICOMM PROJECT MANAGER : ANDREW GARROW
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EMAIL : AGARROW@OPTICOMM.COM.AU

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND CABLES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE CHECKED ON SITE. LOCATE ALL UNDERGROUND SERVICES AND CABLES BEFORE COMMENCEMENT OF WORK.
DIAL 1100 BEFORE YOU DIG

REV	DATE	DESIGN	DESCRIPTION	CHECKED	APPROVED
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-					
-					
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-					
1	28/06/2023	JS-RELINK	CIVIL DESIGN ISSUED FOR CONSTRUCTION	T.B.	I.A.

P100 — 1 X 100mm (ID) Telecommunication Pipe
2xP100 — 2 X 100mm (ID) Telecommunication Pipe
3xP100 — 3 X 100mm (ID) Telecommunication Pipe
4xP100 — 4 X 100mm (ID) Telecommunication Pipe
5xP100 — 5 X 100mm (ID) Telecommunication Pipe
2T — 2 X 50mm (ID) Telecommunication Pipe
T — 1 X 50mm (ID) Telecommunication Pipe
50mm Telecommunication Pipe used as a Protective Sleeve
Telecommunication Pipe
Minimum Pipe Bend Radius for 50mm and 100mm Telecommunication Pipe = 800mm
P9 Pit Telecommunication Pit (L2040mm X W585mm X D900mm)
P8 Pit Telecommunication Pit (L1360mm X W555mm X D860mm)
P6 Pit Telecommunication Pit (L1360mm X W555mm X D660mm)
P5 Pit Telecommunication Pit (Single Lid) (L705mm X W450mm X D660mm)
P2 Pit Telecommunication Pit (Single Lid) (L665mm X W285mm X D585mm)
Lead In.20mm Telecommunication Pipe (23mm Internal Diameter) Length 1.5m 305mm Bend Radius at Pit
END CAP

Electrical Kiosk/Transformer/Switchgear
Broadband Aggregation Node (BAN)
Fibre Access Node (FAN)
Headend Rack (ODF)
Fibre Joint Closure (FJC)
Fibre Distribution Hub (FDH)
Connectorised FDH
OFDC 1:8 Connectorised FDH
Network Access Port.x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
BUDI PON 1 - WITH SPLICING TRAYS
BUDI PON 2 - NO SPLICING TRAYS
RDT - RAPID WALLBOX

FIBRE TRUNK CABLE_144F
FIBRE TRUNK CABLE_72F
FIBRE TRUNK CABLE_24F
NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE, CONDUIT QUANTITY, CONDUIT LENGTH: P6 — 2xP50 2T — 2T 26.5 — P8 (OPTICOMM INFRASTRUCTURE)
CONDUIT SIZE, CONDUIT LENGTH: P6 — P50 T — T 26.5 — P8 (OPTICOMM INFRASTRUCTURE)

NAP CONFIGURATION
AAF/2 NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
MCCR-0304

STATE: QLD | REGION: GYMPIE

DRAWING TITLE:
MCINTOSH CREEK
STAGE 3 & 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE: NTS | SHEET No. 6 OF 6 | REV. 1