NOTE:

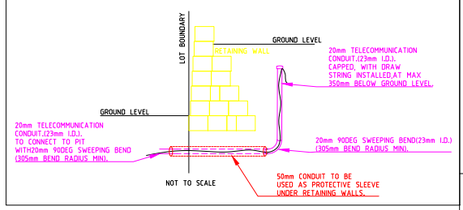
- ALL PIT AND PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH COMM'S ALLIANCE - G645-2017
- ALL PIT LIDS ARE TO BE BRANDED AS "COMMUNICATIONS" ONLY.
- ALL LEAD-IN CONDUITS MUST HAVE DRAWSTRINGS INSTALLED.
- ALL DISTRIBUTION CONDUITS MUST BE ROPED.
- ALL LEAD-IN CONDUIT DRAWSTRINGS MUST BE LABELED WITH THE LOT/UNIT NUMBER.
- ALL CONDUITS MUST ONLY ENTER THE END WALL OF THE PITS AND INSTALLED TO CORRECT DEPTH.
- ALL CONDUITS MUST HAVE BUSHES INSTALLED AND FLUSH WITH THE PIT WALLS.
- PLEASE ARRANGE AN ONSITE INSPECTION OF THE PIT AND PIPE INFRASTRUCTURE AND OBTAIN OPTICOMM APPROVAL.
- ALL PITS TO BE INSTALLED TO FINISHED GROUND LEVELS
- THE DEVELOPER/INSTALLATION CONTRACTOR MUST SUPPLY OPTICOMM WITH DATED, SIGNED, AND REDLINED AS-BUILT OF THIS DESIGN DRAWING THAT INCLUDE CONDUIT LENGTHS AND PIT LOCATIONS AFTER THE INSTALLATION IS COMPLETED, IN ACCORDANCE WITH COMM'S ALLIANCE - G645-2017.
- A PIT SHALL NOT BE INSTALLED IN A TRAFICABLE AREA - DRIVEWAY,ROADWAY AREA,HAZARDOUS AREA OR ANY VEHICULAR ACCESS WAY.

AS CONSTRUCTED BY

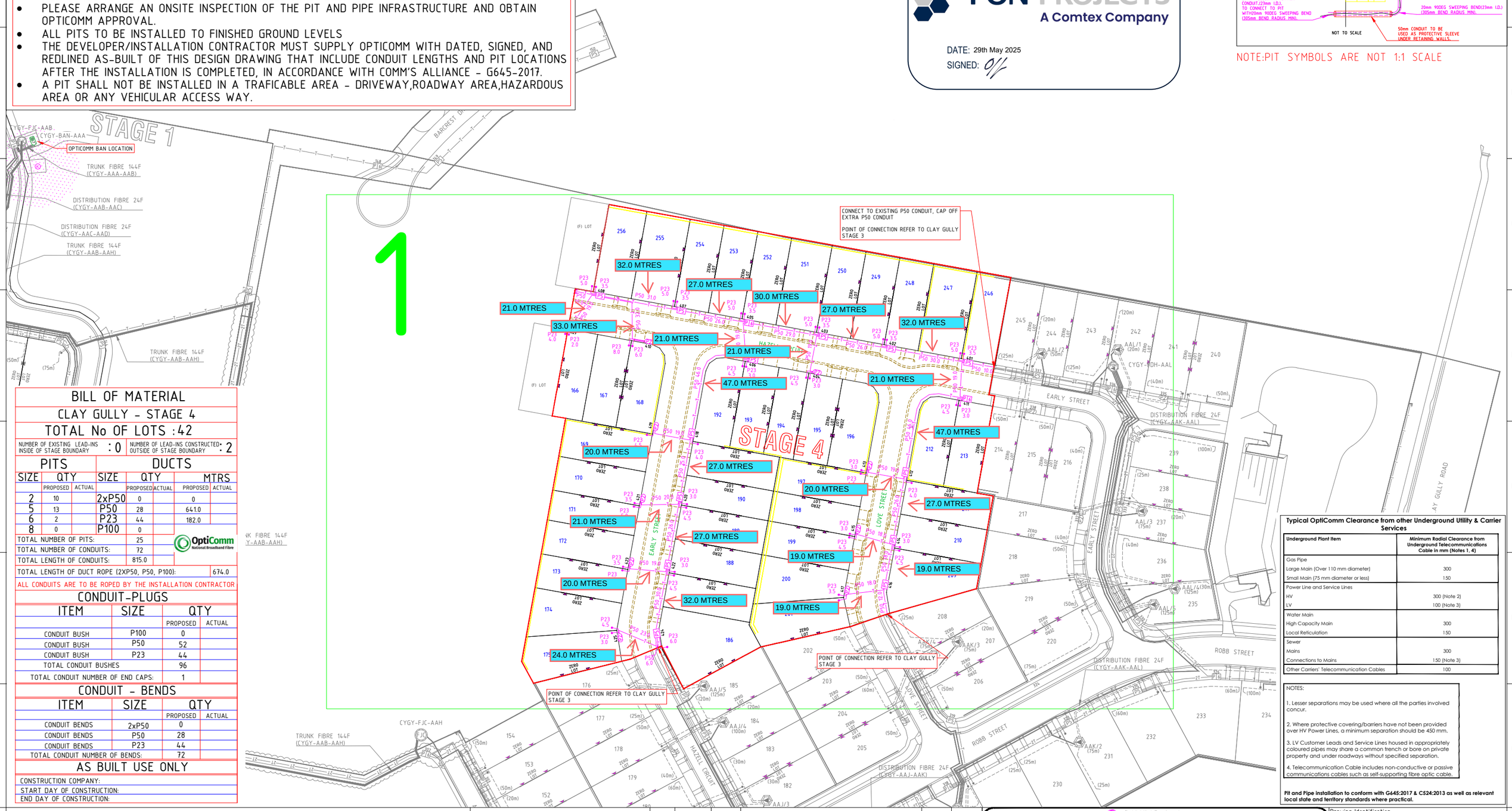
PON PROJECTS
A Comtex Company

DATE: 29th May 2025
SIGNED: 0/

TYPICAL SECTION UNDER RETAINING WALL WITH TELECOMMUNICATION CONDUITS



NOTE:PIT SYMBOLS ARE NOT 1:1 SCALE



BILL OF MATERIAL						
CLAY GULLY - STAGE 4						
TOTAL No OF LOTS :42						
NUMBER OF EXISTING LEAD-INS INSIDE OF STAGE BOUNDARY : 0			NUMBER OF LEAD-INS CONSTRUCTED OUTSIDE OF STAGE BOUNDARY : 2			
PITS			DUCTS			
SIZE	QTY		SIZE	QTY		MTRS
	PROPOSED	ACTUAL		PROPOSED	ACTUAL	PROPOSED ACTUAL
2	10		2xP50	0		0
5	13		P50	28		641.0
6	2		P23	44		182.0
8	0		P100	0		
TOTAL NUMBER OF PITS:				25		
TOTAL NUMBER OF CONDUITS:				72		
TOTAL LENGTH OF CONDUITS:				815.0		
TOTAL LENGTH OF DUCT ROPE (2XP50, P50, P100):						674.0
ALL CONDUITS ARE TO BE ROPED BY THE INSTALLATION CONTRACTOR						

CONDUIT-PLUGS			
ITEM	SIZE	QTY	
		PROPOSED	ACTUAL
CONDUIT BUSH	P100	0	
CONDUIT BUSH	P50	52	
CONDUIT BUSH	P23	44	
TOTAL CONDUIT BUSHES		96	
TOTAL CONDUIT NUMBER OF END CAPS:		1	

CONDUIT - BENDS			
ITEM	SIZE	QTY	
		PROPOSED	ACTUAL
CONDUIT BENDS	2xP50	0	
CONDUIT BENDS	P50	28	
CONDUIT BENDS	P23	44	
TOTAL CONDUIT NUMBER OF BENDS:		72	

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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EXACT LOCATION OF ALL PLANT SHALL BE CO-ORDINATED AND VERIFIED ON SITE.

OPTICOMM PROJECT MANAGER : BARRY MAGEE
CONTACT NUMBER : 0437 492 441
EMAIL : BMAGEE@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
-					
-					
-					
-					
-					
-					
1	12-11-2024	S.H.	CIVIL DESIGN ISSUED FOR CONSTRUCTION	M.T.	N.V.

P100 — 1 X 100mm (ID) Telecommunication Pipe
2xP50 — 2 X 50mm (ID) Telecommunication Pipe
3xP50 — 3 X 100mm (ID) Telecommunication Pipe
4xP50 — 4 X 100mm (ID) Telecommunication Pipe
5xP50 — 5 X 100mm (ID) Telecommunication Pipe
2T — 2 X 50mm (ID) Telecommunication Pipe
3T — 3 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 D650mm)
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
ROT - RAPID WALLBOX

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

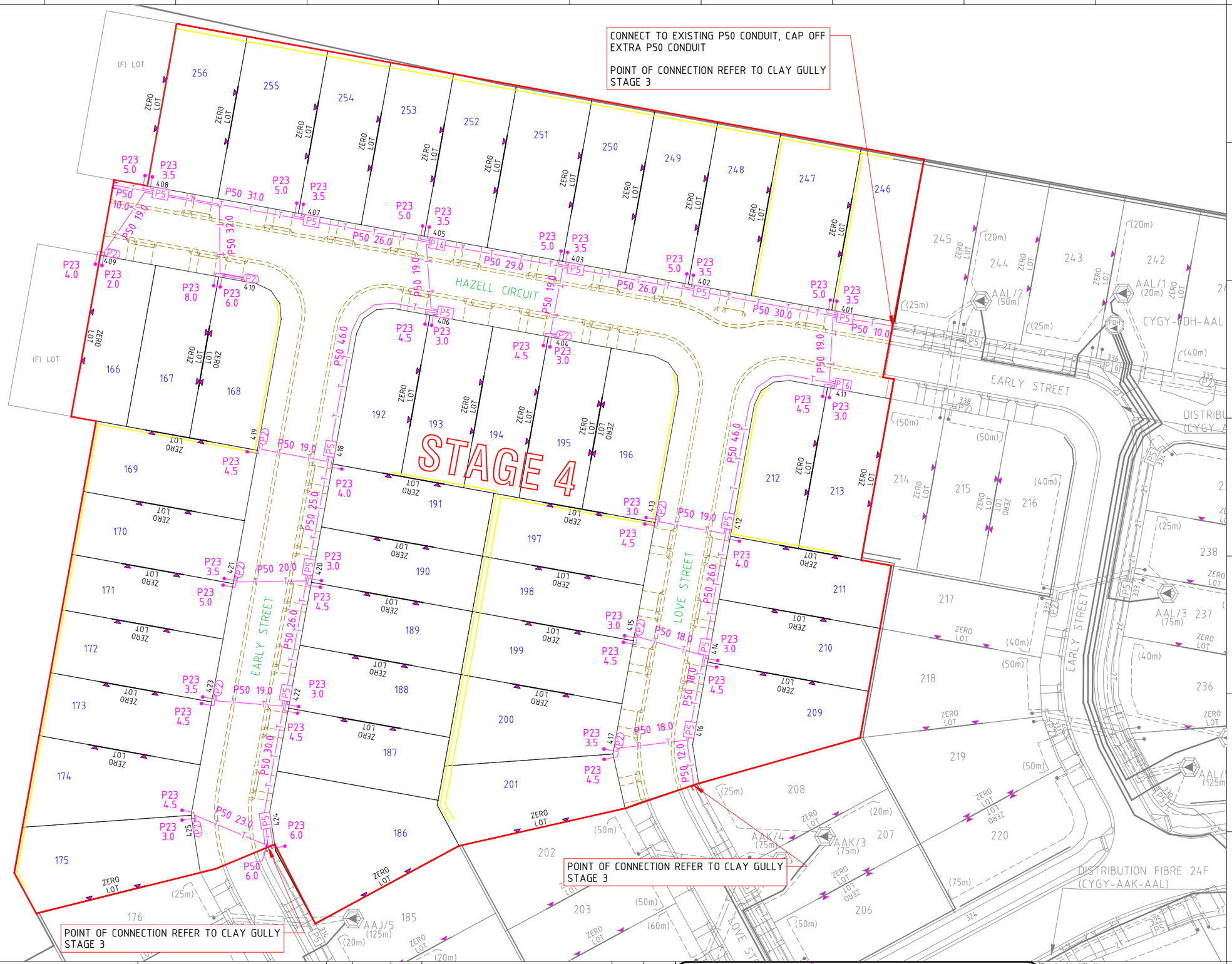
CONDUIT CONFIGURATION
CONDUIT SIZE / CONDUIT QUANTITY / CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE
NAP CONFIGURATION
NAP/1 NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
CYGY-0004

STATE: QLD | REGION: VICTORIA POINT

DRAWING TITLE:
CLAY GULLY
STAGE 4
CIVIL / FTTH NETWORK
KEY PLAN

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



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REV	DATE	DESIGN	DESCRIPTION	CHECKED	APPROVED
-					
-					
-					
-					
-					
-					
1	12-11-2024	S.H.	CIVIL DESIGN ISSUED FOR CONSTRUCTION	M.T.	N.V.

P90 1 X 100mm (ID) Telecommunication Pipe
2xP90 2 X 100mm (ID) Telecommunication Pipe
3xP90 3 X 100mm (ID) Telecommunication Pipe
4xP90 4 X 100mm (ID) Telecommunication Pipe
5xP90 5 X 100mm (ID) Telecommunication Pipe
2T 2 X 50mm (ID) Telecommunication Pipe
1T 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)
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P6 Pit Telecommunication Pit (L1360mm X W555mm X D660mm)
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Fibre Access Node (FAN)
Headend Rack (ODF)
Fibre Joint Closure (FJC)
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Connectorised FDH
OFDC 1:8 Connectorised FDH
Network Access Port x4 (NAP)
Connectorised NAP 4 Port
OFDC Connectorised NAP 12 Port
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NAP TAIL CABLE
LEAD-IN ASSEMBLY (LIA)

CONDUIT CONFIGURATION
CONDUIT SIZE / CONDUIT QUANTITY / CONDUIT LENGTH
OPTICOMM INFRASTRUCTURE
NAP CONFIGURATION
NAP/2 NAP NAME
NAP DESIGNATION
FDH DESIGNATION

Drawing Identification
CYGY-0004

STATE: QLD | REGION: VICTORIA POINT

DRAWING TITLE:
CLAY GULLY
STAGE 4
CIVIL / FTTH NETWORK
CONSTRUCTION PLAN

SCALE	SHEET No.	REV.
NTS	1 OF 1	1