

# OPEN FIBRE FIBRE OPTIC INFRASTRUCTURE

## As-Built - Tableview Mall ISP & OSP

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 W. openfibre.co.za



### Survey information

|               |               |                |                        |       |            |
|---------------|---------------|----------------|------------------------|-------|------------|
| Surveyed by:  | Tiaan du Toit | Company:       | RSS Fibre              | Date: | 26/01/2022 |
| Phone Number: | 061 923 0612  | Email Address: | tiaandutoit0@gmail.com |       |            |

### Project information

|                            |               |               |              |  |  |
|----------------------------|---------------|---------------|--------------|--|--|
| Contractor                 | RSS Fibre     |               |              |  |  |
| Project Manager            | Tiaan du Toit | Phone Number: | 061 923 0612 |  |  |
| Call out/Drop Team Leader: | Tiaan du Toit | Phone Number: | 061 923 0612 |  |  |

### SITE INFORMATION:

|                   |   |                         |                |
|-------------------|---|-------------------------|----------------|
| Area:             | Cape Town   | Building Name:          | Tableview Mall |
| Site Address:     | West Coast Road, Blaauwberg Rd, Table View, Cape Town | Suburb:                 | Tableview      |
| Site Owner:       | Openfibre   | Centre Manager Contact: | TBC            |
| Latitude:         | -33.825906°   | Longitude:              | 18.487874°     |
| Number of Floors: | 1   | Number of Connections:  | 26             |



#### Cable Requirements:

|               |                         |                   |                      |                    |     |      |
|---------------|-------------------------|-------------------|----------------------|--------------------|-----|------|
| Entry Duct    | 2 way<br>12/10 mm       | 4 way<br>12/10 mm | 7 way<br>12/10 mm    |                    |     |      |
| Feeder Fibre: | 12F                     | 24F               | 48F                  | 72F                | 96F | 144F |
| Feeder Duct:  | 2 way<br>12/10 mm       | 4 way<br>12/10 mm | 7 way<br>12/10 mm    |                    |     |      |
| Drop Duct:    | 2 way<br>8/5 mm         | 4 way<br>8/5 mm   | 7 way<br>8/5 mm      | 12 way<br>12/10 mm |     |      |
| MMR Power:    | AC Plug point available |                   | Power Plant Required |                    |     |      |

#### Notes:

- 42U Cabinet installed.
- 2 Way 12/10 Duct installed on existing cable trays & inside 50mm PVC conduit.
- 48F Fibre Cable installed inside 2 Way 12/10 Duct.
- 3 Core Boxes installed on site as indicated on As-Built.
- 3 Access Boxes installed on site as indicated on As-Built.
- Ducts saddled on existing cable trays on rooftop.
- Drop Cables installed on cable trays from their provisioned Access Box towards the shop.
- 4 Way 12/10 Duct installed from newly installed MSSB Manhole towards cabinet



### INSTALLATION APPROVAL

|           |       |           |       |
|-----------|-------|-----------|-------|
| Name:     | ..... | Name:     | ..... |
| Date:     | ..... | Date:     | ..... |
| Signature | ..... | Signature | ..... |

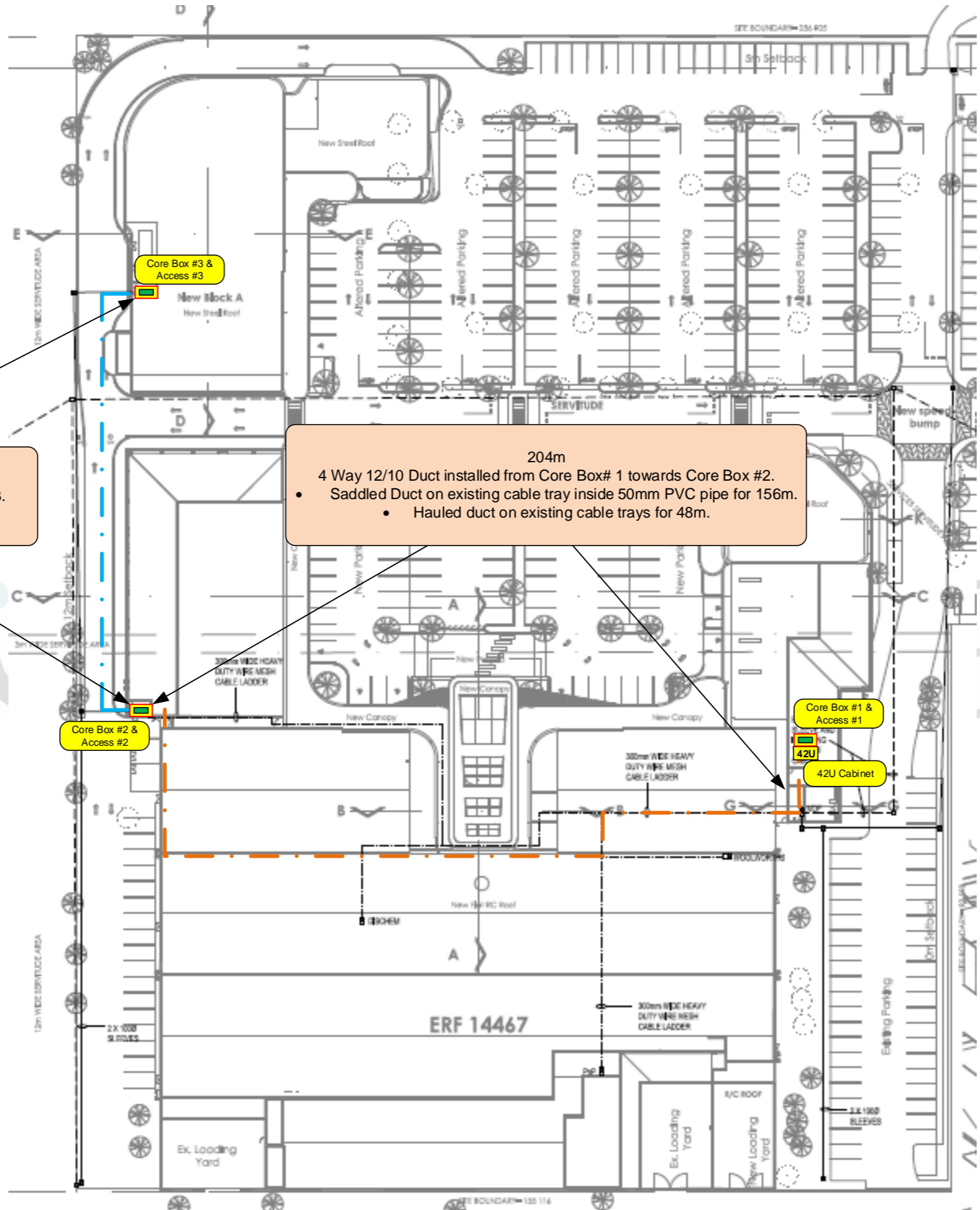


|                 |      |            |
|-----------------|------|------------|
| Project No:     | Rev: | Date:      |
| RSS-OPF-026-CPT | 001  | 26/01/2022 |



Hereby I confirm that this Installation Plan is approved for installation and that the installation can continue accordingly with the installation dates indicated prior to installation start date.

# Ducting Overview ISP



79m  
2 Way 12/10 Duct installed from Core Box # 2 towards Core Box #3.  
 • Hauled duct inside existing 110mm sleeve for 79m.

204m  
4 Way 12/10 Duct installed from Core Box# 1 towards Core Box #2.  
 • Saddled Duct on existing cable tray inside 50mm PVC pipe for 156m.  
 • Hauled duct on existing cable trays for 48m.

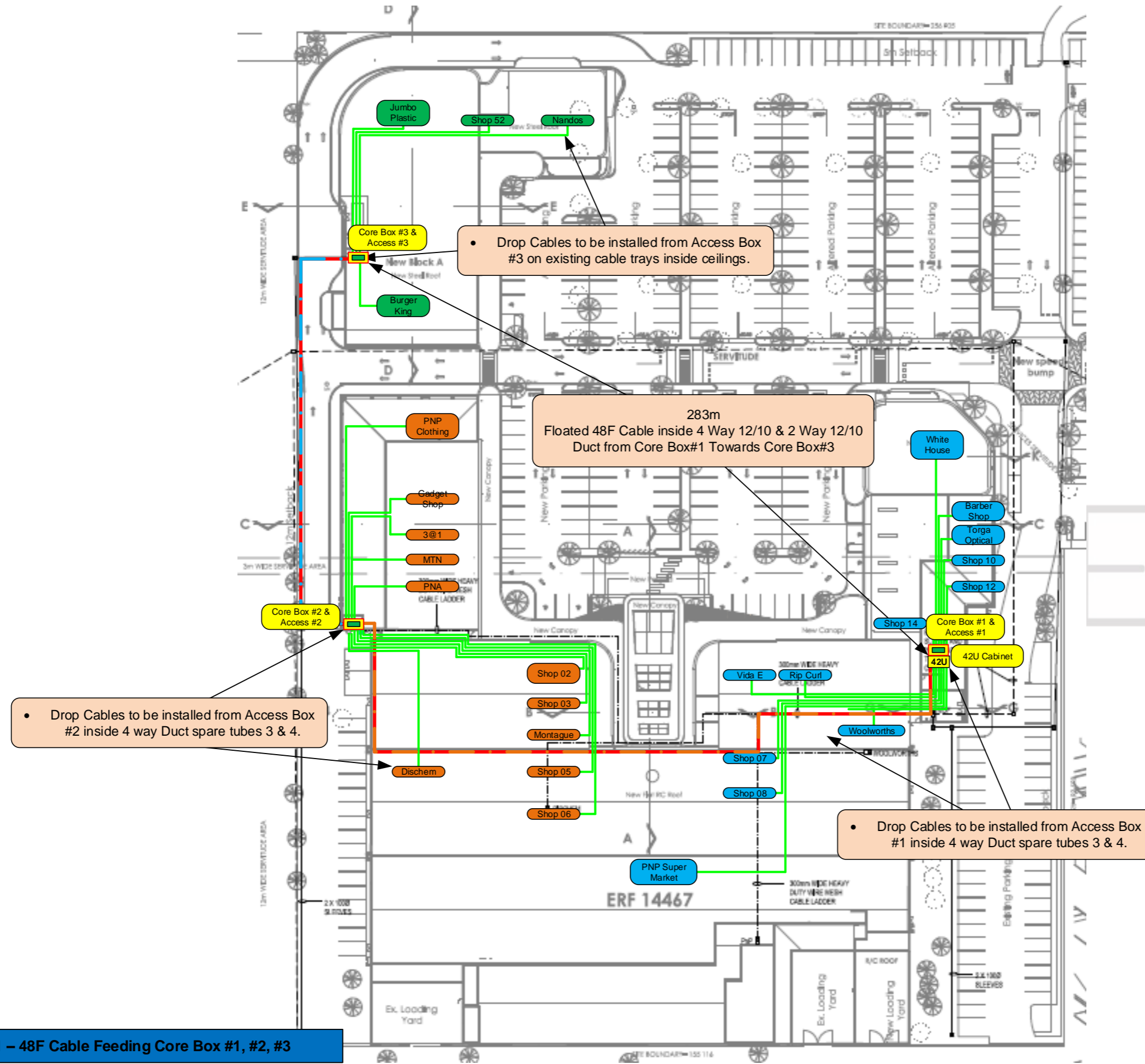
### Colour Legend

|   |                       |  |                            |  |                            |   |                          |
|---|-----------------------|--|----------------------------|--|----------------------------|---|--------------------------|
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;">42U</span> | Installed 42U Cabinet | <span style="color: blue;">—</span>                                | Existing 2 Way 12/10       | <span style="color: orange;">—</span>                                  | Existing 4 Way 12/10       | <span style="border: 1px solid black; padding: 2px;">X</span>                     | Existing DFA MS Manhole  |
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;"> </span>   | Installed Core Box    | <span style="color: blue; border-bottom: 2px solid blue;"> </span> | Existing 2 Way 12/10 + 48F | <span style="color: orange; border-bottom: 2px solid orange;"> </span> | Existing 4 Way 12/10 + 48F | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span> | Existing Client Handhole |
| <span style="background-color: green; border: 1px solid black; padding: 2px;"> </span>    | Installed Access Box  | <span style="color: red;">—</span>                                 | 48F Micro Cable            | <span style="color: green;">—</span>                                   | 4F Drop Cable Route        |   |                          |



|                    |             |              |
|--------------------|-------------|--------------|
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## Ducting and Fibre Overview ISP



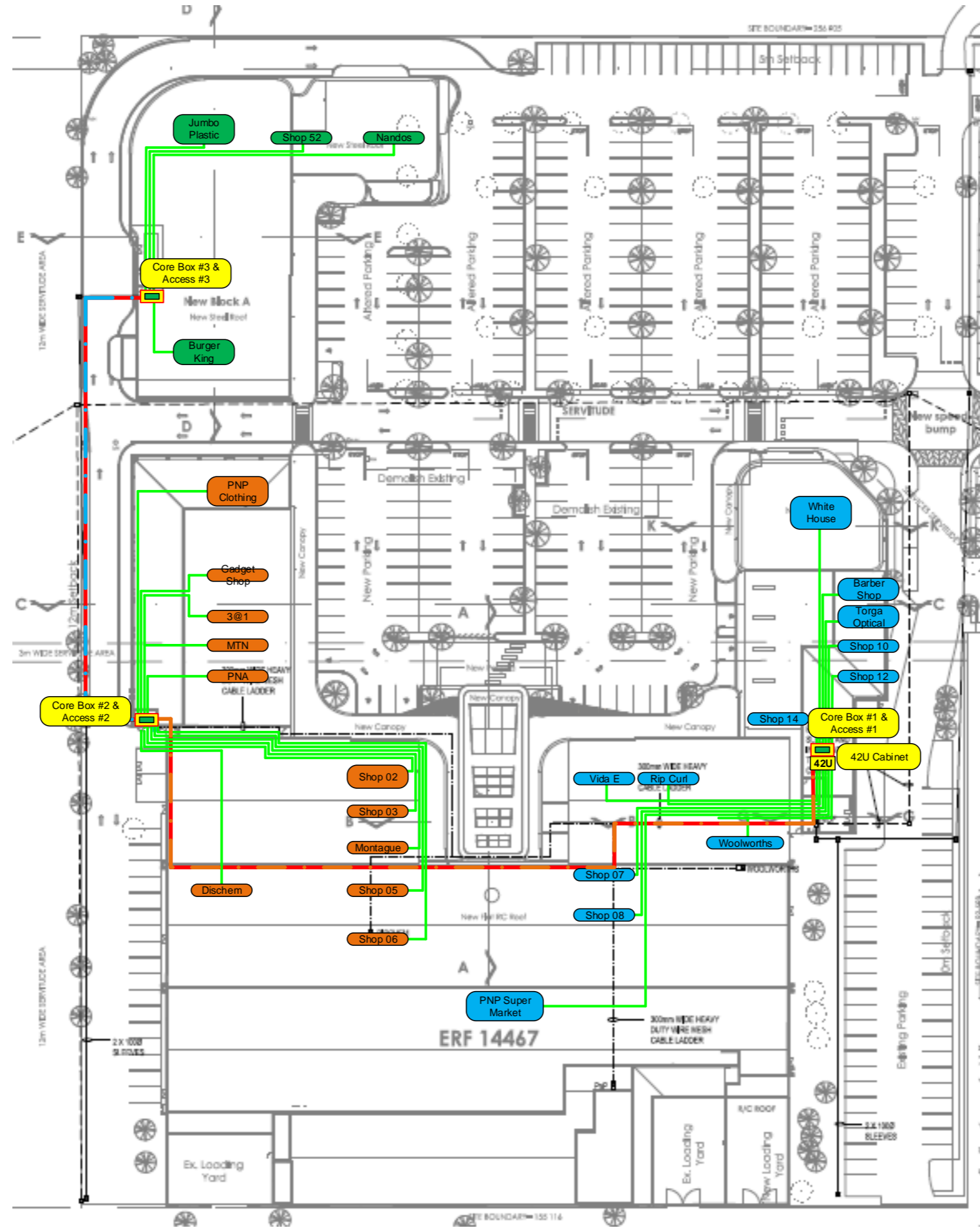
**Feeder Cable 01 – 48F Cable Feeding Core Box #1, #2, #3**

### Colour Legend

|  |                       |  |                            |  |                            |  |                          |
|--|-----------------------|--|----------------------------|--|----------------------------|--|--------------------------|
|  | Installed 42U Cabinet |  | Existing 2 Way 12/10       |  | Existing 4 Way 12/10       |  | Existing DFA MS Manhole  |
|  | Installed Core Box    |  | Existing 2 Way 12/10 + 48F |  | Existing 4 Way 12/10 + 48F |  | Existing Client Handhole |
|  | Installed Access Box  |  | 48F Micro Cable            |  | 4F Drop Cable Route        |  |                          |



# Shop Overview ISP



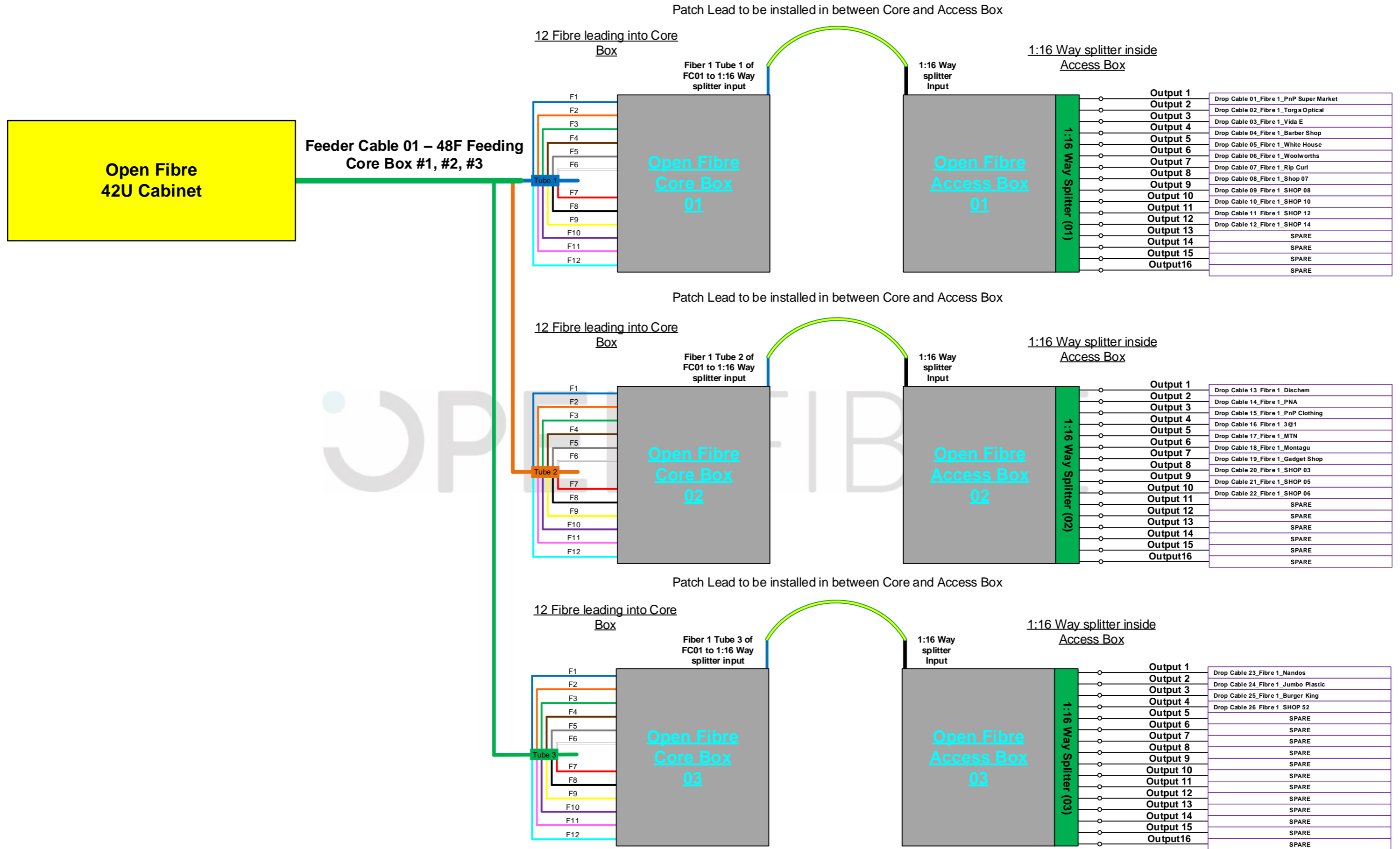
### Colour Legend

|   |                       |   |                            |   |                            |   |                          |
|---|-----------------------|---|----------------------------|---|----------------------------|---|--------------------------|
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;">42U</span> | Installed 42U Cabinet | <span style="color: blue;">●</span>   | Existing 2 Way 12/10       | <span style="color: orange;">●</span>   | Existing 4 Way 12/10       | <span style="border: 1px solid black; padding: 2px;">X</span>                     | Existing DFA MS Manhole  |
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;"> </span>   | Installed Core Box    | <span style="color: blue; border-bottom: 2px solid blue; width: 20px; display: inline-block;"></span> | Existing 2 Way 12/10 + 48F | <span style="color: orange; border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> | Existing 4 Way 12/10 + 48F | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">O</span> | Existing Client Handhole |
| <span style="border-bottom: 2px solid green; width: 20px; display: inline-block;"></span> | Installed Access Box  | <span style="color: red; border-bottom: 2px solid red; width: 20px; display: inline-block;"></span>   | 48F Micro Cable            | <span style="color: green; border-bottom: 2px solid green; width: 20px; display: inline-block;"></span>   | 4F Drop Cable Route        |   |                          |



|                    |             |              |                        |
|--------------------|-------------|--------------|------------------------|
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## Splicing diagram: Feeder Cable 01



**Feeder Cable 01 – 48F Feeding Core Box #1, #2, #3**

**Open Fibre 42U Cabinet**

12 Fibre leading into Core Box

Fiber 1 Tube 1 of FC01 to 1:16 Way splitter input

1:16 Way splitter inside Access Box

- F1
- F2
- F3
- F4
- F5
- F6
- F7
- F8
- F9
- F10
- F11
- F12

**Open Fibre Core Box 01**

1:16 Way splitter Input

**Open Fibre Access Box 01**

- Output 1
- Output 2
- Output 3
- Output 4
- Output 5
- Output 6
- Output 7
- Output 8
- Output 9
- Output 10
- Output 11
- Output 12
- Output 13
- Output 14
- Output 15
- Output 16

|  |
|--|
| Drop Cable 01_Fibre 1_PnP Super Market |
| Drop Cable 02_Fibre 1_Torga Optical    |
| Drop Cable 03_Fibre 1_Vida E           |
| Drop Cable 04_Fibre 1_Barber Shop      |
| Drop Cable 05_Fibre 1_White House      |
| Drop Cable 06_Fibre 1_Woolworths       |
| Drop Cable 07_Fibre 1_Rip Curl         |
| Drop Cable 08_Fibre 1_Shop 07          |
| Drop Cable 09_Fibre 1_SHOP 08          |
| Drop Cable 10_Fibre 1_SHOP 10          |
| Drop Cable 11_Fibre 1_SHOP 12          |
| Drop Cable 12_Fibre 1_SHOP 14          |
| SPARE                                  |
| SPARE                                  |
| SPARE                                  |
| SPARE                                  |

12 Fibre leading into Core Box

Fiber 1 Tube 2 of FC01 to 1:16 Way splitter input

1:16 Way splitter inside Access Box

- F1
- F2
- F3
- F4
- F5
- F6
- F7
- F8
- F9
- F10
- F11
- F12

**Open Fibre Core Box 02**

1:16 Way splitter Input

**Open Fibre Access Box 02**

- Output 1
- Output 2
- Output 3
- Output 4
- Output 5
- Output 6
- Output 7
- Output 8
- Output 9
- Output 10
- Output 11
- Output 12
- Output 13
- Output 14
- Output 15
- Output 16

|                                    |
|------------------------------------|
| Drop Cable 13_Fibre 1_Dischem      |
| Drop Cable 14_Fibre 1_PNA          |
| Drop Cable 15_Fibre 1_PnP Clothing |
| Drop Cable 16_Fibre 1_3@1          |
| Drop Cable 17_Fibre 1_MTN          |
| Drop Cable 18_Fibre 1_Montagu      |
| Drop Cable 19_Fibre 1_Gadget Shop  |
| Drop Cable 20_Fibre 1_SHOP 03      |
| Drop Cable 21_Fibre 1_SHOP 05      |
| Drop Cable 22_Fibre 1_SHOP 06      |
| SPARE                              |
| SPARE                              |
| SPARE                              |
| SPARE                              |
| SPARE                              |
| SPARE                              |

12 Fibre leading into Core Box

Fiber 1 Tube 3 of FC01 to 1:16 Way splitter input

1:16 Way splitter inside Access Box

- F1
- F2
- F3
- F4
- F5
- F6
- F7
- F8
- F9
- F10
- F11
- F12

**Open Fibre Core Box 03**

1:16 Way splitter Input

**Open Fibre Access Box 03**

- Output 1
- Output 2
- Output 3
- Output 4
- Output 5
- Output 6
- Output 7
- Output 8
- Output 9
- Output 10
- Output 11
- Output 12
- Output 13
- Output 14
- Output 15
- Output 16

|                                     |
|-------------------------------------|
| Drop Cable 23_Fibre 1_Nandos        |
| Drop Cable 24_Fibre 1_Jumbo Plastic |
| Drop Cable 25_Fibre 1_Burger King   |
| Drop Cable 26_Fibre 1_SHOP 52       |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |
| SPARE                               |

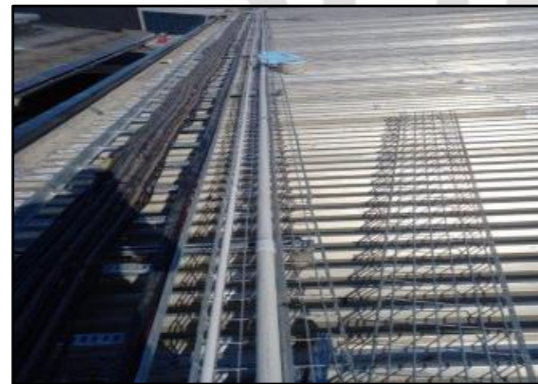
### Colour Legend

|  |                       |  |                            |  |                            |  |                          |
|--|-----------------------|--|----------------------------|--|----------------------------|--|--------------------------|
|  | Installed 42U Cabinet |  | Existing 2 Way 12/10       |  | Existing 4 Way 12/10       |  | Existing DFA MS Manhole  |
|  | Installed Core Box    |  | Existing 2 Way 12/10 + 48F |  | Existing 4 Way 12/10 + 48F |  | Existing Client Handhole |
|  | Installed Access Box  |  | 48F Micro Cable            |  | 4F Drop Cable Route        |  |                          |



|                    |             |              |
|--------------------|-------------|--------------|
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## Photo Overview ISP



OPEN FIBRE

### Colour Legend

|   |                       |   |                            |   |                            |   |                          |
|---|-----------------------|---|----------------------------|---|----------------------------|---|--------------------------|
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;">42U</span> | Installed 42U Cabinet | • | Existing 2 Way 12/10       | • | Existing 4 Way 12/10       | ☒ | Existing DFA MS Manhole  |
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;"> </span>   | Installed Core Box    | • | Existing 2 Way 12/10 + 48F | • | Existing 4 Way 12/10 + 48F | ○ | Existing Client Handhole |
| <span style="background-color: green; border: 1px solid black; padding: 2px;"> </span>    | Installed Access Box  | — | 48F Micro Cable            | — | 4F Drop Cable Route        |   |                          |



|                    |             |              |
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## Ducting Overview OSP



93m

- Installed new 1 X 4 way 12/10 micro duct.
  - Horizontal Drilled for 10m
- Trenched soil (600mm Deep x 450mm Width) for 8m
  - Hauled inside Existing Sleeve for 75m

Client Cabinet

Existing Client HH

Existing Vodacom  
MS HH  
VWH282266  
-33.826742°  
18.488050°

New DFA MSSB  
WH355409  
-33.826759°  
18.488097°

Existing DFA MS  
HH  
WH282266  
-33.827088°  
18.489198°

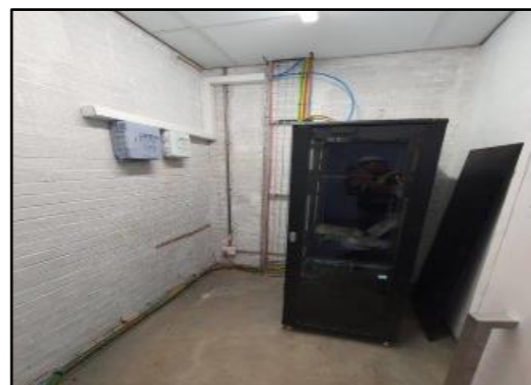
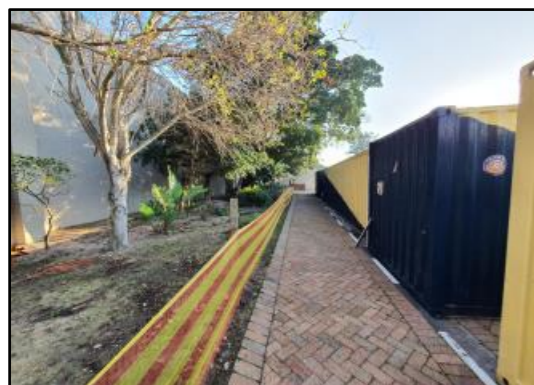
### Colour Legend

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| <span style="background-color: yellow; border: 1px solid black; padding: 2px;">42U</span> | Installed 42U Cabinet | <span style="color: blue;">●</span> | Existing 2 Way 12/10       | <span style="color: orange;">●</span> | Existing 4 Way 12/10       | <span style="border: 1px solid black; padding: 2px;">X</span> | Existing DFA MS Manhole  |
| <span style="background-color: yellow; border: 1px solid black; padding: 2px;"> </span>   | Installed Core Box    | <span style="color: blue;">—</span> | Existing 2 Way 12/10 + 48F | <span style="color: orange;">—</span> | Existing 4 Way 12/10 + 48F | <span style="border: 1px solid black; padding: 2px;">O</span> | Existing Client Handhole |
| <span style="background-color: green; border: 1px solid black; padding: 2px;"> </span>    | Installed Access Box  | <span style="color: red;">—</span>  | 48F Micro Cable            | <span style="color: green;">—</span>  | 4F Drop Cable Route        |   |                          |














|                    |             |              |                        |
|--------------------|-------------|--------------|------------------------|
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Photo Overview OSP



OPEN FIBRE

Colour Legend

|   |                       |   |                            |   |                            |   |                          |  |  |  |
|---|-----------------------|---|----------------------------|---|----------------------------|---|--------------------------|--|--|--|
|  | Installed 42U Cabinet |  | Existing 2 Way 12/10       |  | Existing 4 Way 12/10       |  | Existing DFA MS Manhole  |  |  |  |
|  | Installed Core Box    |  | Existing 2 Way 12/10 + 48F |  | Existing 4 Way 12/10 + 48F |  | Existing Client Handhole |  |  |  |
|  | Installed Access Box  |  | 48F Micro Cable            |  | 4F Drop Cable Route        |   |                          |  |  |  |



|                    |             |              |
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