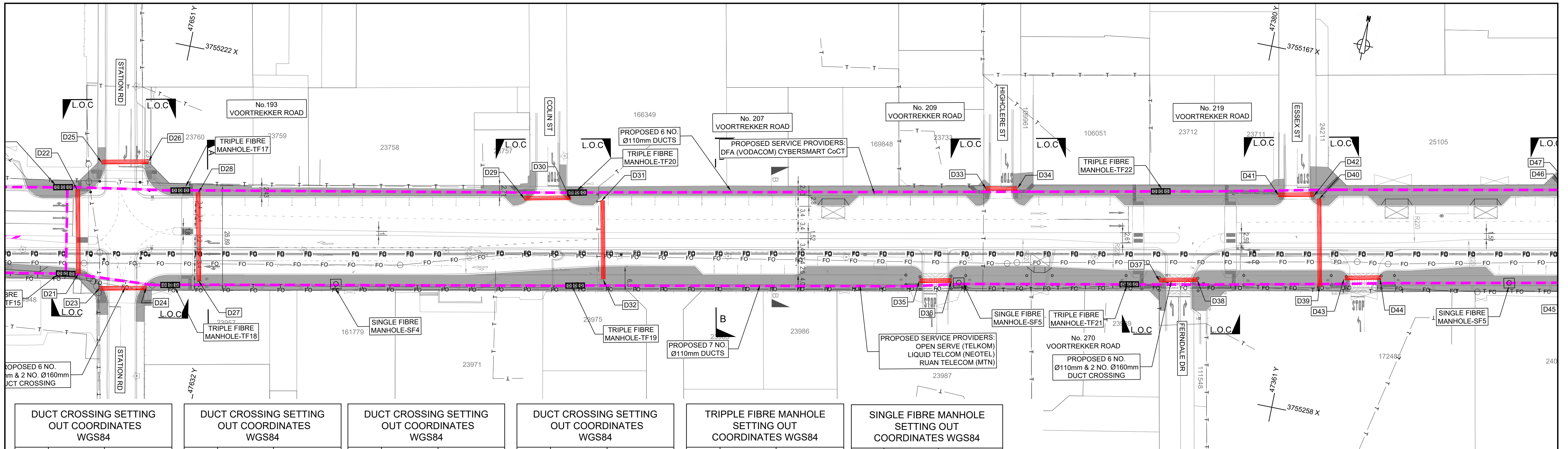




DUCT CROSSING SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
D23	47661.217	3755287.248
D24	47649.587	3755284.788
D25	47667.169	3755255.498
D26	47655.469	3755253.030
D27	47636.673	3755280.399
D28	47641.417	3755258.199
D29	47559.338	3755243.037
D30	47547.641	3755240.575
D31	47539.553	3755239.624
D32	47535.386	3755259.380
D33	47444.104	3755217.119

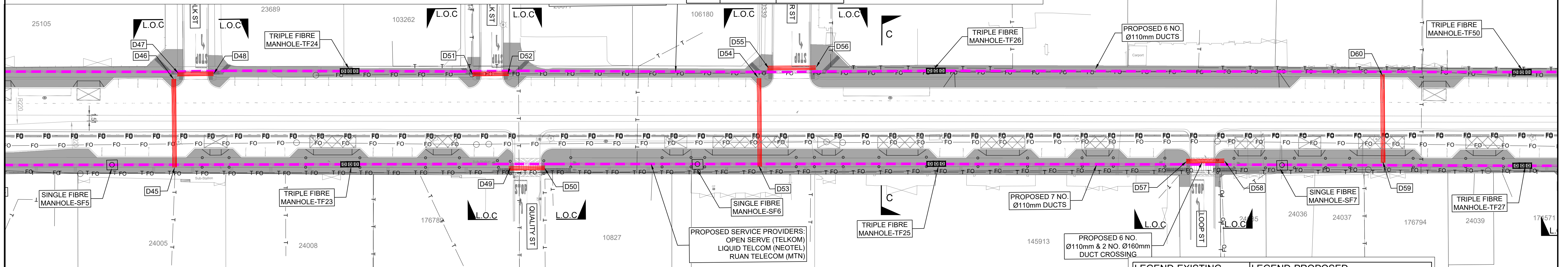
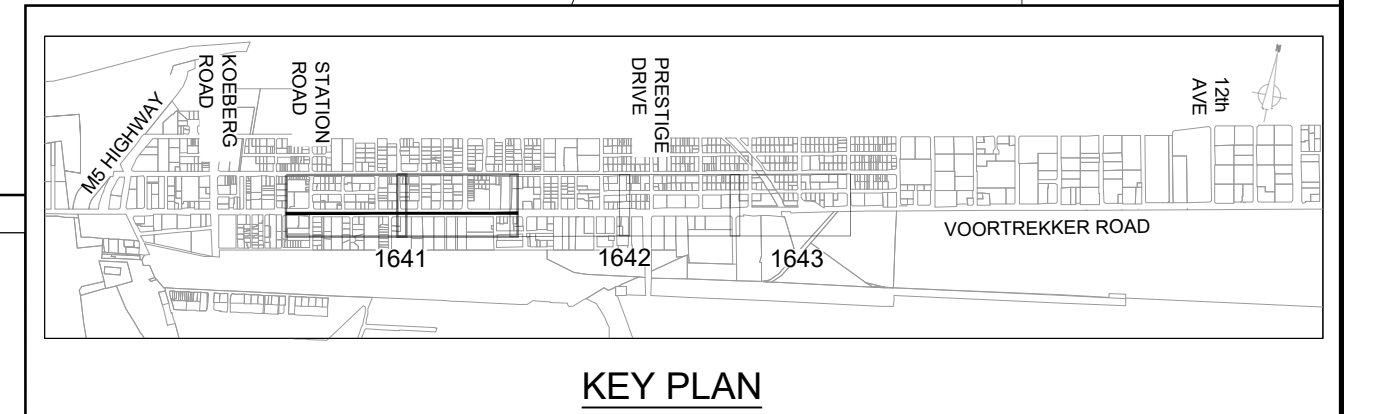
DUCT CROSSING SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
D34	47436.214	3755215.468
D35	47455.905	3755243.651
D36	47448.011	3755241.975
D37	47399.325	3755232.048
D38	47386.272	3755229.282
D39	47355.276	3755224.834
D40	47359.958	3755202.709
D41	47370.451	3755203.864
D42	47361.449	3755201.975
D43	47349.402	3755221.310
D44	47340.379	3755219.430

DUCT CROSSING SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
D45	47292.167	3755211.653
D46	47296.843	3755189.561
D47	47296.202	3755188.126
D48	47287.199	3755186.209
D49	47208.276	3755194.920
D50	47199.260	3755193.011
D51	47222.137	3755173.065
D52	47213.121	3755171.170
D53	47145.385	3755181.683
D54	47150.093	3755159.583
D55	47148.459	3755156.585

DUCT CROSSING SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
D56	47136.430	3755154.034
D57	47041.283	3755159.157
D58	47029.211	3755156.627
D59	46989.283	3755149.016
D60	46993.938	3755126.923
D61	46938.671	3755138.936
D62	46929.604	3755137.027

TRIPPLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
D30	47547.641	3755240.575
TF17	47645.985	3755258.597
TF18	47643.727	3755282.852
TF19	47542.107	3755262.413
TF21	47403.192	3755233.889
TF22	47400.016	3755208.950
TF23	47248.259	3755201.963
TF24	47253.120	3755178.620
TF25	47101.290	3755172.025
TF26	47106.118	3755148.705
TF27	46954.220	3755142.673
TF50	46959.070	3755119.245

SINGLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
SF4	47602.239	3755274.167
SF5	47307.981	3755214.217
SF5	47446.010	3755242.178
SF6	47161.157	3755184.268
SF7	47014.504	3755154.790



NOTES:

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- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2701 PROPOSED TELECOMMUNICATIONS AND DUCTS DETAILS

LEGEND-EXISTING

- FO — FO — FIBRE OPTIC DUCTS
- T — T — TELKOM CABLES
- MANHOLES

LEGEND-PROPOSED

- PROPOSED FIBRE OPTIC DUCTS
- TRIPLE FIBRE MANHOLE
- FIBRE MANHOLE
- DUCT CROSSING (6x110mm & 2x160mm)

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0 10 20 30 40 50 60mm

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A	07/2026	MM	TR	PF				

Client

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STAD KAAPSTAD

Making progress possible. Together.

Client Approval

Consultant Name
PAUL FARIA

PR Eng No.
20080318

Consultant Signature

Date

Project Title

VOORTREKKER ROAD CORRIDOR
PHASE 1B

Drawing Title

EXISTING AND PROPOSED
TELECOMMUNICATIONS AND DUCTS
LAYOUT SHEET 1 OF 3

Client Number

CPX.0010465

Scale

1:500 @ A1

Drawing Number

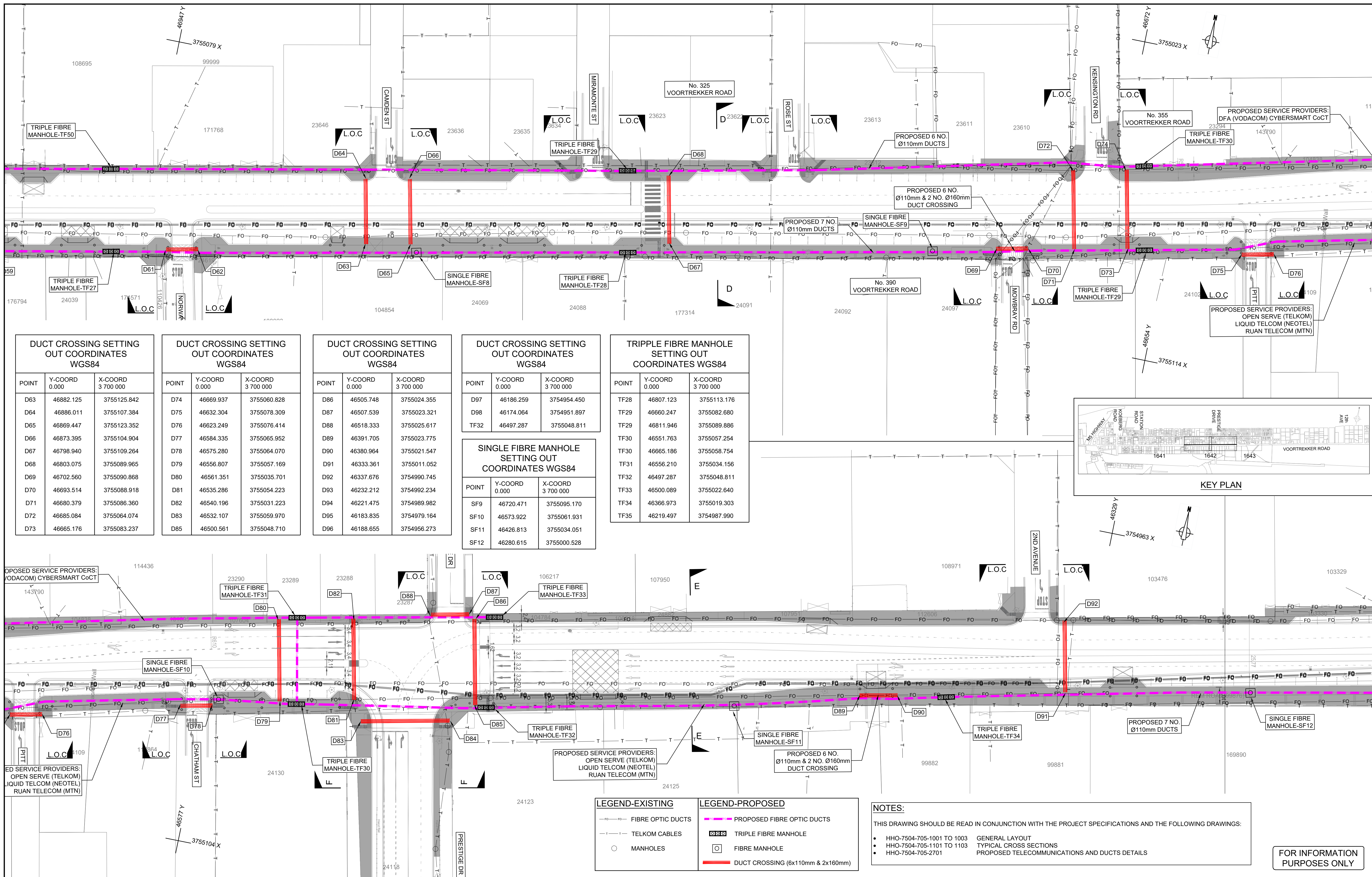
HHO-7504-705-1641

Rev

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DUCT CROSSING SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
D63	46882.125	3755125.842	
D64	46886.011	3755107.384	
D65	46869.447	3755123.352	
D66	46873.395	3755104.904	
D67	46798.940	3755109.264	
D68	46803.075	3755089.965	
D69	46702.560	3755090.868	
D70	46693.514	3755088.918	
D71	46680.379	3755086.360	
D72	46685.084	3755064.074	
D73	46665.176	3755083.237	

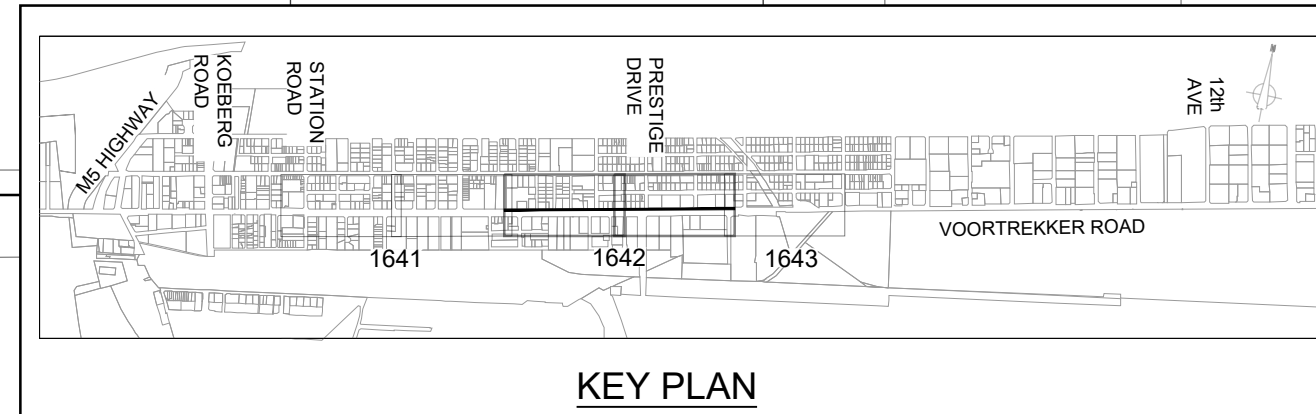
DUCT CROSSING SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
D74	46669.937	3755060.828	
D75	46632.304	3755078.309	
D76	46623.249	3755076.414	
D77	46584.335	3755065.952	
D78	46575.280	3755064.070	
D79	46556.807	3755057.169	
D80	46561.351	3755035.701	
D81	46535.286	3755054.223	
D82	46540.196	3755031.223	
D83	46532.107	3755059.970	
D85	46500.561	3755048.710	

DUCT CROSSING SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
D86	46505.748	3755024.355	
D87	46507.539	3755023.321	
D88	46518.333	3755025.617	
D89	46391.705	3755023.775	
D90	46380.964	3755021.547	
D91	46333.361	3755011.052	
D92	46337.676	3754990.745	
D93	46232.212	3754992.234	
D94	46221.475	3754989.982	
D95	46183.835	3754979.164	
D96	46188.655	3754956.273	

DUCT CROSSING SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
D97	46186.259	3754954.450	
D98	46174.064	3754951.897	
TF32	46497.287	3755048.811	

SINGLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
SF9	46720.471	3755095.170	
SF10	46573.922	3755061.931	
SF11	46426.813	3755034.051	
SF12	46280.615	3755000.528	

TRIPPLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	
TF28	46807.123	3755113.176	
TF29	46660.247	3755082.680	
TF30	46811.946	3755089.886	
TF31	46551.763	3755057.254	
TF32	46665.186	3755058.754	
TF33	46556.210	3755034.156	
TF34	46497.287	3755048.811	
TF35	46500.089	3755022.640	
TF36	46366.973	3755019.303	
TF37	46219.497	3754987.990	



LEGEND-EXISTING		LEGEND-PROPOSED	
FO	FIBRE OPTIC DUCTS	PROPOSED FIBRE OPTIC DUCTS	
T	TELKOM CABLES	TRIPLE FIBRE MANHOLE	
○	MANHOLES	FIBRE MANHOLE	
		DUCT CROSSING (6x110mm & 2x160mm)	

NOTES:

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- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2701 PROPOSED TELECOMMUNICATIONS AND DUCTS DETAILS

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Rev	Date	Prepared by	Checked by	Approved by	Consultant Revision Details	Status

Client

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Making progress possible. Together.

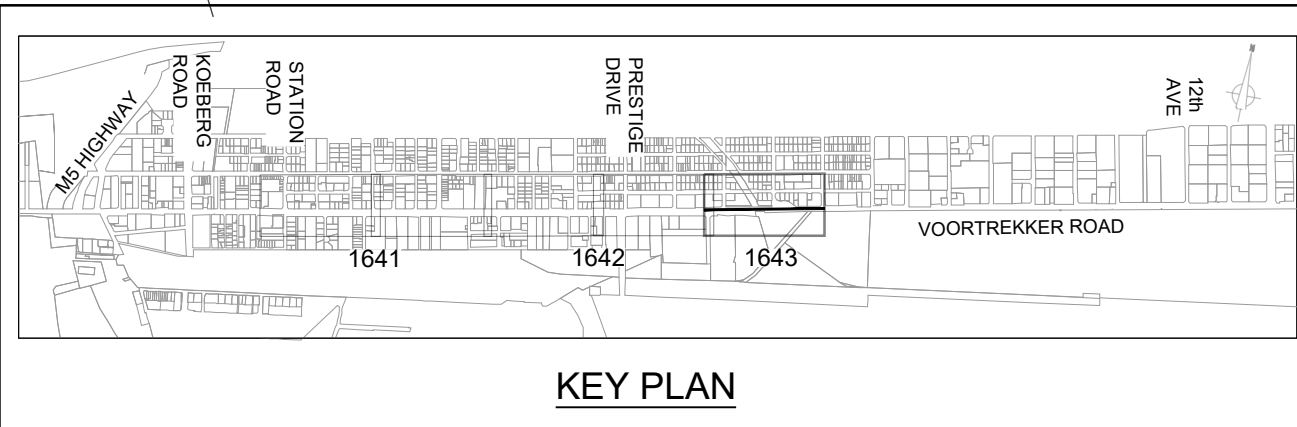
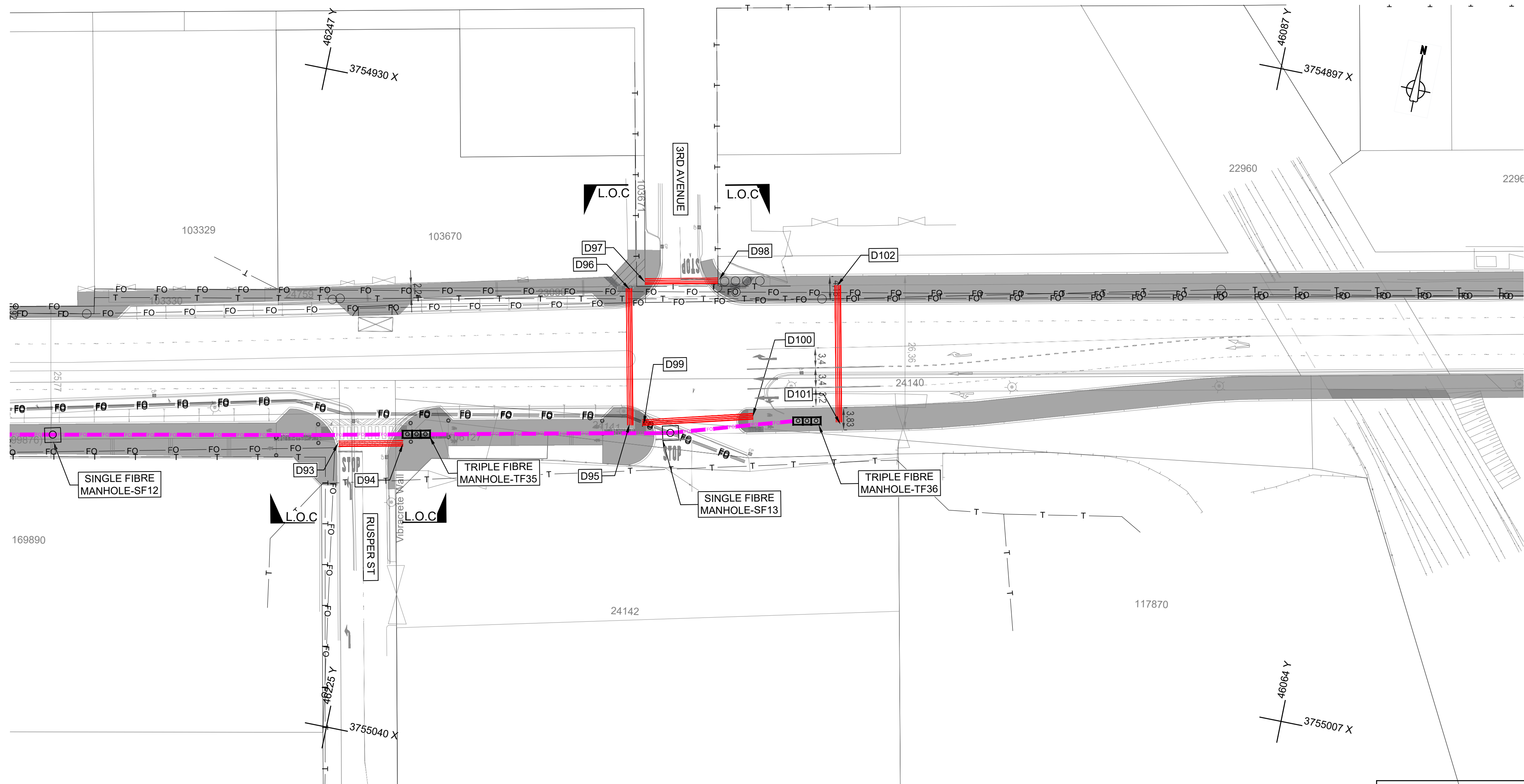
Client Approval	Date
Consultant Name	PR Eng No.
PAUL FARIA	20080318
Consultant Signature	Date

Project Title	VOORTREKKER ROAD CORRIDOR PHASE 1B
Drawing Title	EXISTING AND PROPOSED TELECOMMUNICATIONS AND DUCTS LAYOUT SHEET 2 OF 3

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Client Number	CPX.0010465
Scale	1:500 @ A1
Drawing Number	HHO-7504-705-1642
Rev	A



DUCT CROSSING SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
D95	46183.835	3754979.164
D96	46188.655	3754956.273
D97	46186.259	3754954.450
D98	46174.064	3754951.897
D99	46163.275	3754982.356
D100	46154.302	3754973.689
D101	46148.862	3754971.519
D102	46153.696	3754948.577
D103	45979.897	3754912.701
D104	45937.458	3754903.819
D105	45932.824	3754903.056

DUCT CROSSING SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
D106	45929.323	3754919.522
D107	45854.591	3754904.360
D108	45858.497	3754885.896
D109	45848.345	3754905.577
D110	45835.606	3754902.904
D111	45854.020	3754882.320
D112	45839.249	3754879.188
D113	45826.376	3754900.384
D114	45830.654	3754880.187
D115	45574.987	3754845.944
D116	45578.360	3754828.754

DUCT CROSSING SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
D117	45555.828	3754841.903
D118	45559.223	3754824.649

SINGLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
SF13	46165.923	3754981.252

TRIPPLE FIBRE MANHOLE SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
TF36	46154.252	3754972.421
TF37	45857.023	3754907.937
TF38	45862.103	3754886.561
TF39	45832.758	3754903.544
TF40	45633.800	3754861.212
TF41	45487.080	3754830.061

NOTES:

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- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2701 PROPOSED TELECOMMUNICATIONS AND DUCTS DETAILS

LEGEND-EXISTING

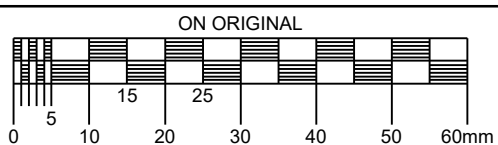
- FO FO FIBRE OPTIC DUCTS
- T T TELKOM CABLES
- MANHOLES

LEGEND-PROPOSED

- PROPOSED FIBRE OPTIC DUCTS
- TRIPPLE FIBRE MANHOLE
- FIBRE MANHOLE
- DUCT CROSSING (6x110mm & 2x160mm)

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Client Approval	Date
Consultant Name	PR Eng No.
PAUL FARIA	20080318
Consultant Signature	Date

Project Title	VOORTREKKER ROAD CORRIDOR PHASE 1B
Drawing Title	EXISTING AND PROPOSED TELECOMMUNICATIONS AND DUCTS LAYOUT SHEET 3 OF 3

Client Number	CPX.0010465
Scale	1:500 @ A1
Drawing Number	HHO-7504-705-1643
Rev	A

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