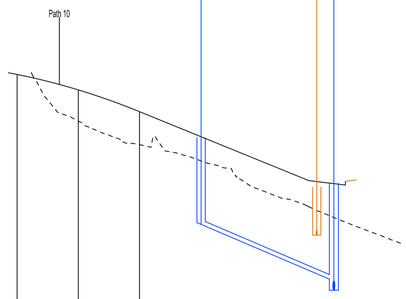
Road 1

Datum: 147.000M AOD

MANHOLE COVER LEVELS APPROX (m)	155.178, 153.556, 153.695
FOUL WATER SEWER INVERT LEVELS (m)	152.000
SURFACE WATER SEWER INVERT LEVELS (m)	152.350; 150Ø 1/12 L=21.67 PN=2.000; 153.500
MANHOLE DIAMETER (mm)	Type B 1350; Type C 1350; Type A 1500; 1500



CHAINAGE ON CENTRELINE (m)	0.000, 1.409, 11.409, 21.409, 30.000, 40.000, 48.999, 51.999
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	157.700, 157.244, 156.740, 156.029, 155.339, 154.515, 153.782, 153.707
LEVELS ON LEFT HAND CHANNEL (m)	157.214, 156.665, 155.954, 155.255, 154.440
LEVELS ON RIGHT HAND CHANNEL (m)	157.211, 156.665, 155.954, 155.255, 154.440
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	G = 4.0%; HOG CURVE R = 482.605 L = 20.000; GRADIENT -8.1% (-1 in 12) LENGTH = 27.590m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 48.999m
EXISTING LEVELS (m)	155.671, 155.126; 155.003, 154.955; 154.328; 153.558; 152.932
PROPOSED CHAINAGE (m)	0.000; 48.999; 51.999; 55.011; 56.799
PROPOSED LEVELS (m)	157.300; 153.782; 153.707; 153.679; 153.651

T.P.; I.P. L=156.844; T.P.

Road 3

Datum: 151.000M AOD

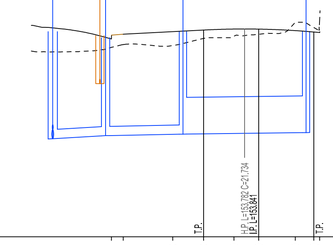
CHAINAGE ON CENTRELINE (m)	0.000, 10.000, 20.000, 27.120
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	157.300, 157.300, 157.300, 157.300
LEVELS ON LEFT HAND CHANNEL (m)	157.300, 157.300, 157.300, 157.300
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT Flat LENGTH = 27.120m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 27.120m
EXISTING LEVELS (m)	

Road 1

TANK1 - S3

Datum: 147.000M AOD

MANHOLE COVER LEVELS APPROX (m)	153.695, 153.556, 153.695, 153.695, 153.700
FOUL WATER SEWER INVERT LEVELS (m)	152.000
SURFACE WATER SEWER INVERT LEVELS (m)	152.200; 300Ø 1/91 L=9.07 PN=1.000; 152.300; 300Ø 1/250 L=12.52 PN=1.001; 152.550; 152.550; 1200Ø 1/404 L=20.19 PN=1.000; 154.400
MANHOLE DIAMETER (mm)	Type A 1500; Type C 1350; Type B 1350; Unknown 1200; Unknown 1200

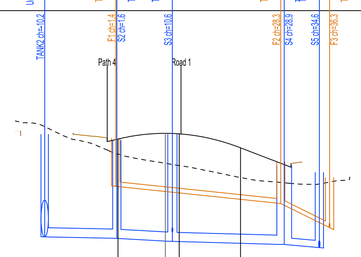


CHAINAGE ON CENTRELINE (m)	0.000, 9.918, 10.000, 15.040, 20.000, 24.040, 30.000, 33.040, 33.901
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	153.457, 153.810, 153.695, 153.747, 153.780, 153.778, 153.729, 153.695, 153.695
LEVELS ON LEFT HAND CHANNEL (m)	153.752, 153.805, 153.837, 153.835, 153.786, 153.740, 153.715
LEVELS ON RIGHT HAND CHANNEL (m)	153.657, 153.680, 153.702, 153.700, 153.651, 153.656, 153.695
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 1.0% (1 in 96) LENGTH = 13.122m; HOG CURVE R = 640.476 L = 18.000
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT L = 8.518m; CURVE R = 27.700 L = 8.145; STRAIGHT LENGTH = 15.406m
EXISTING LEVELS (m)	153.272, 153.243, 153.475, 153.547, 153.610, 153.599, 153.629, 154.097

Road 2

Datum: 146.000M AOD

MANHOLE COVER LEVELS APPROX (m)	153.695, 153.556, 153.695, 152.475, 152.450, 152.200
FOUL WATER SEWER INVERT LEVELS (m)	152.000; 150Ø 1/48 L=26.93 PN=1.000; 151.450; 150Ø 1/10 L=7.97 PN=1.000; 151.200
SURFACE WATER SEWER INVERT LEVELS (m)	152.353; 300Ø 1/250 L=12.52 PN=1.001; 152.300; 152.200; 300Ø 1/91 L=9.07 PN=1.000; 152.200; 152.200; 300Ø 1/183 L=18.26 PN=1.003; 151.100; 151.050; 150Ø 1/5 L=5.26 PN=1.000; 150.904
MANHOLE DIAMETER (mm)	Unknown 1200; Type C 1350; Type B 1350; Type A 1500; Type C 1350; Type B 1350; Type C 1350



CHAINAGE ON CENTRELINE (m)	0.000, 1.751, 11.751, 21.751, 29.984
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	153.457, 153.547, 153.712, 153.299, 152.923
LEVELS ON LEFT HAND CHANNEL (m)	153.300, 153.498, 153.636, 153.181, 152.548
LEVELS ON RIGHT HAND CHANNEL (m)	153.533, 153.616, 153.786, 153.331, 152.898
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	G = 4.6%; HOG CURVE R = 159.659 L = 20.000; GRADIENT -7.7% L = 8.234m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 29.984m
EXISTING LEVELS (m)	153.194, 153.051; 152.733, 152.677; 152.355, 152.286; 152.093

NOTES

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KEY

REV	AMENDMENTS	BY	DATE
A	INITIAL ISSUE	MJM	24.10.24

FOR COMMENT

STATUS	CHK'D
PRELIMINARY	MJM
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DRAWN	MJM	CHK'D	MJM
SCALE	H 1:100 @ A1 V 1:500 @ A1	DATE	24.10.24

JOB No	DRG No	REV
22091	109	A