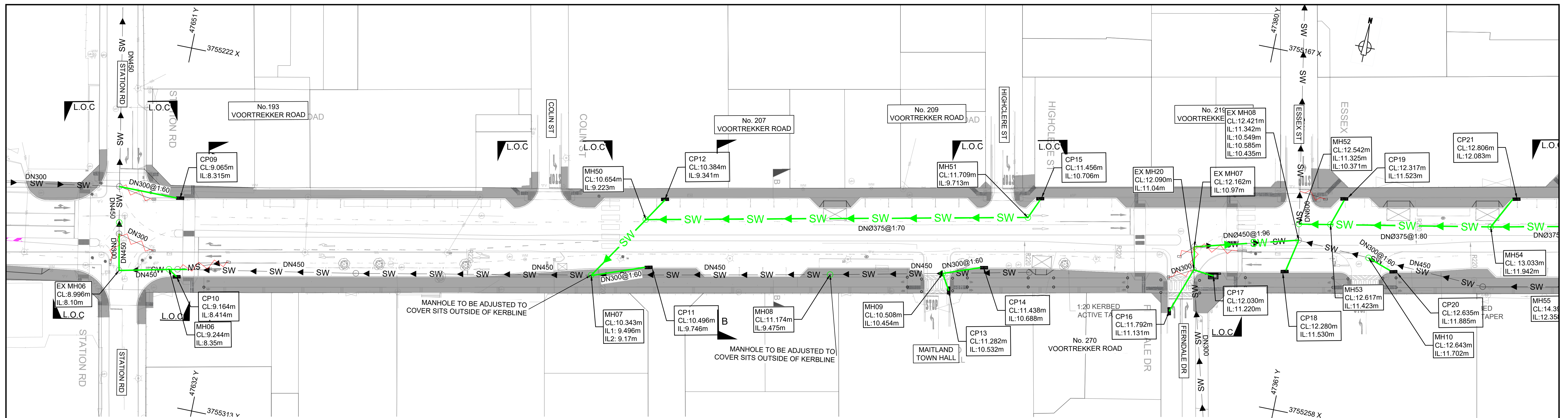




LEGEND:

- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER PIPE TO BE DEMOLISHED
- PROPOSED STORMWATER MANHOLE
- EXISTING STORMWATER MANHOLE
- PROPOSED GRID INLET STORMWATER CATCHPIT
- PROPOSED KERB INLET STORMWATER CATCHPIT
- EXISTING STORMWATER CATCHPIT

MANHOLES SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
EX MH04	47661.972	3755260.279
EX MH05	47659.644	3755272.126
EX MH06	47388.296	3755226.482
EX MH06	47657.807	3755281.319
EX MH07	47389.280	3755220.671
EX MH08	47363.489	3755213.739

MANHOLES SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000
EX MH09	47135.929	3755176.503
EX MH10	47034.357	3755156.321
EX MH11	46930.620	3755134.973
MH06	47645.301	3755278.533
MH07	47539.132	3755258.525
MH08	47479.279	3755246.265

MANHOLES SETTING OUT COORDINATES WGS84

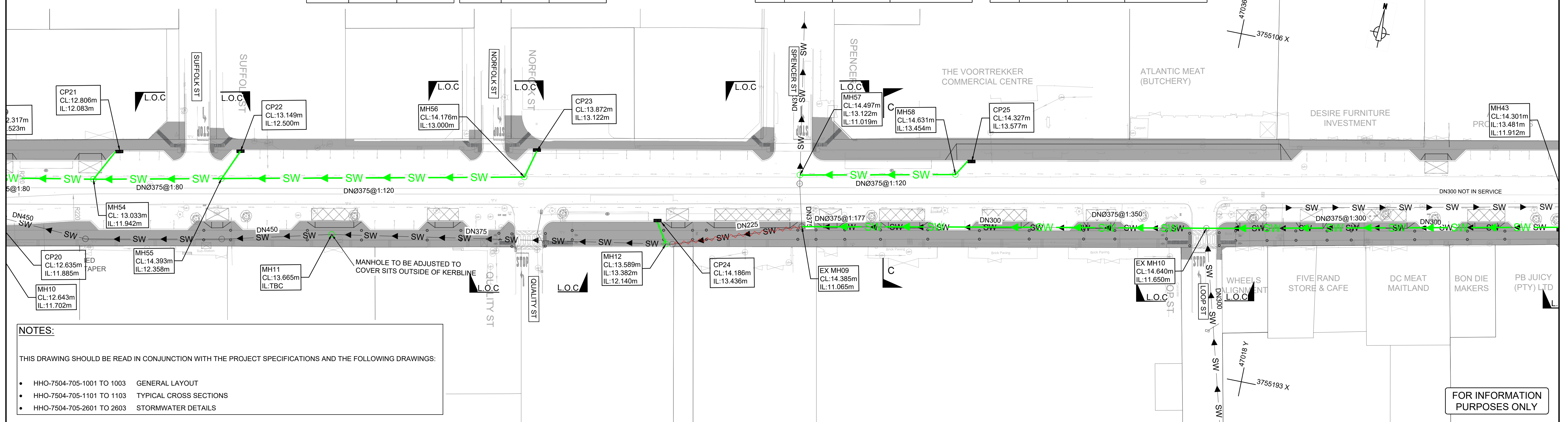
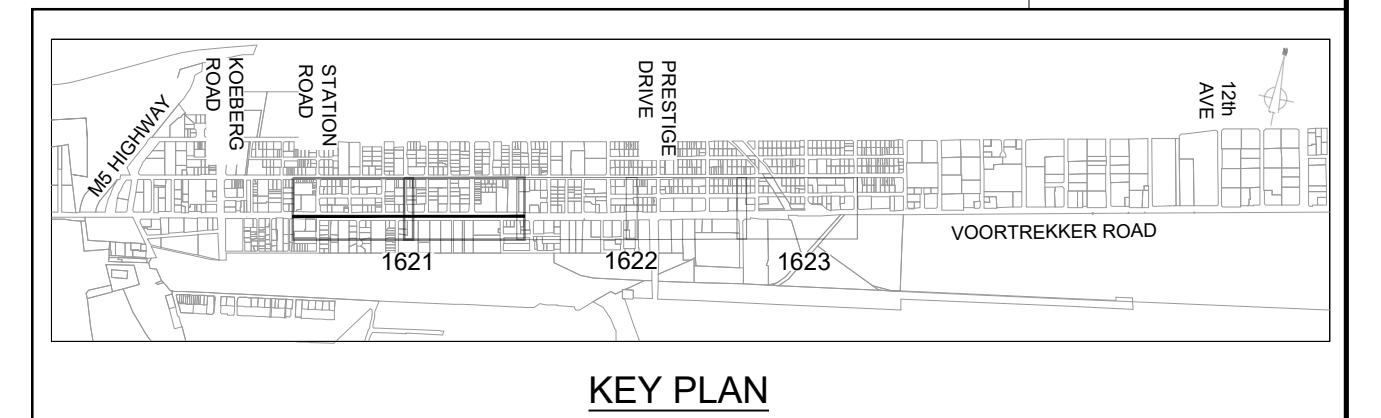
POINT	Y-COORD 0.000	X-COORD 3 700 000
MH09	47451.104	3755239.952
MH10	47345.019	3755214.608
MH11	47253.422	3755202.361
MH12	47169.116	3755187.778
MH43	46944.837	3755137.902

STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP09	47646.153	3755260.106	DOUBLE GRID INLET
CP10	47643.030	3755279.993	DOUBLE GRID INLET
CP11	47524.186	3755257.208	DOUBLE GRID INLET
CP12	47524.481	3755235.730	DOUBLE GRID INLET
CP13	47448.707	3755244.136	DOUBLE GRID INLET
CP14	47440.321	3755240.024	DOUBLE GRID INLET

STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84

POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP15	47430.923	3755216.880	DOUBLE GRID INLET
CP16	47392.344	3755238.123	DOUBLE GRID INLET
CP17	47383.276	3755226.519	TYPE C
CP18	47365.712	3755224.785	DOUBLE GRID INLET
CP19	47356.127	3755201.623	DOUBLE GRID INLET
CP20	47334.798	3755218.480	DOUBLE GRID INLET



NOTES:

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND THE FOLLOWING DRAWINGS:

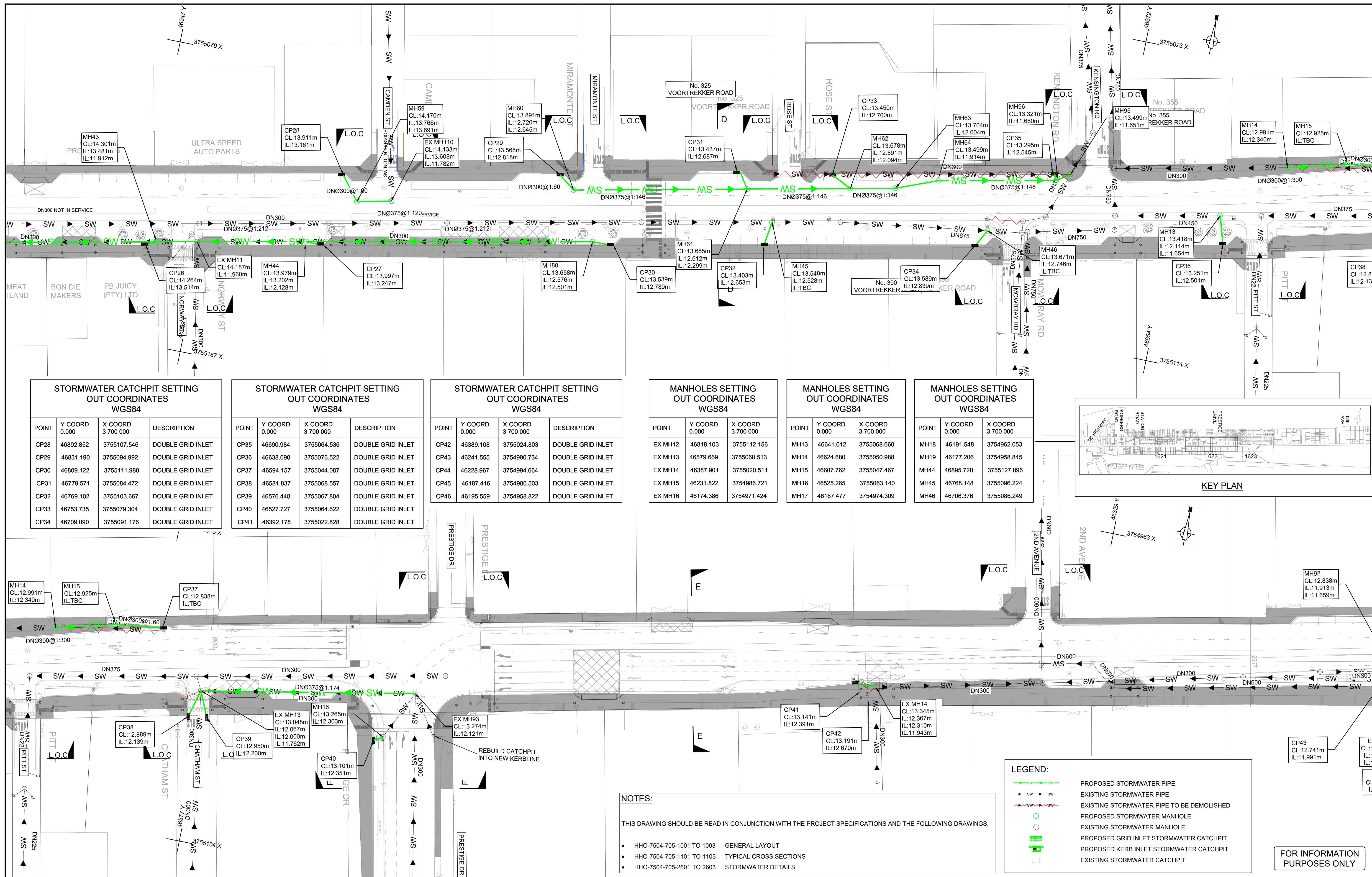
- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2601 TO 2603 STORMWATER DETAILS

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ON ORIGINAL									
0 5 10 15 20 25 30 40 50 60mm									

Client	City of Cape Town ISIXEKO SASEKAPA STAD KAAPSTAD	Client Approval	Paul Faria	Date	20080318
Project Title	VOORTREKKER ROAD CORRIDOR PHASE 1B	Consultant Signature		Date	
Drawing Title	EXISTING & PROPOSED STORMWATER LAYOUT SHEET 1 OF 3				

Client Number	CPX.0010465	Scale	1:500 @ A1	Drawing Number	HHO-7504-705-1621	Rev	A
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14 FLOOR, THE TOWERS SOUTH, 2 HERTZOG BOULEVARD, CAPE TOWN, SOUTH AFRICA, 8001	TEL: +27 21 425 2870 WEB: www.hho.co.za EMAIL: enquiries@hho.co.za
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STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP28	46892.852	3755107.546	DOUBLE GRID INLET
CP29	46831.190	3755094.992	DOUBLE GRID INLET
CP30	46809.122	3755111.980	DOUBLE GRID INLET
CP31	46779.571	3755084.472	DOUBLE GRID INLET
CP32	46769.102	3755103.667	DOUBLE GRID INLET
CP33	46753.735	3755079.304	DOUBLE GRID INLET
CP34	46709.090	3755091.176	DOUBLE GRID INLET

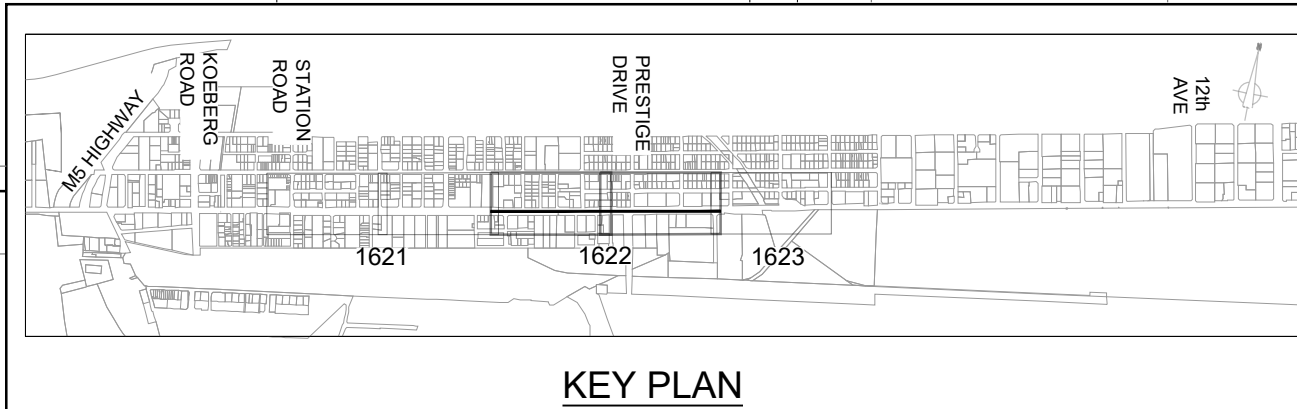
STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP35	46690.984	3755064.536	DOUBLE GRID INLET
CP36	46638.690	3755076.522	DOUBLE GRID INLET
CP37	46594.157	3755044.087	DOUBLE GRID INLET
CP38	46581.837	3755068.557	DOUBLE GRID INLET
CP39	46576.448	3755067.804	DOUBLE GRID INLET
CP40	46527.727	3755064.622	DOUBLE GRID INLET
CP41	46392.178	3755022.828	DOUBLE GRID INLET

STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP42	46389.108	3755024.803	DOUBLE GRID INLET
CP43	46241.555	3754990.734	DOUBLE GRID INLET
CP44	46228.967	3754994.664	DOUBLE GRID INLET
CP45	46187.416	3754980.503	DOUBLE GRID INLET
CP46	46195.559	3754958.822	DOUBLE GRID INLET

MANHOLES SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
EX MH12	46818.103	3755112.156	
EX MH13	46579.669	3755060.513	
EX MH14	46387.901	3755020.511	
EX MH15	46231.822	3754986.721	
EX MH16	46174.386	3754971.424	

MANHOLES SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
MH13	46641.012	3755068.660	
MH14	46624.680	3755050.988	
MH15	46607.762	3755047.467	
MH16	46525.265	3755063.140	
MH17	46187.477	3754974.309	

MANHOLES SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
MH18	46191.548	3754962.053	
MH19	46177.206	3754958.845	
MH44	46895.720	3755127.896	
MH45	46768.148	3755096.224	
MH46	46706.376	3755086.249	



NOTES:

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- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2601 TO 2603 STORMWATER DETAILS

LEGEND:

- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER PIPE TO BE DEMOLISHED
- PROPOSED STORMWATER MANHOLE
- EXISTING STORMWATER MANHOLE
- PROPOSED GRID INLET STORMWATER CATCHPIT
- PROPOSED KERB INLET STORMWATER CATCHPIT
- EXISTING STORMWATER CATCHPIT

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ON ORIGINAL

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Rev	Date	MM	TR	PF	ISSUED FOR INFORMATION	Consultant Revision Details	IFI	Status
A	07/2026	MM	TR	PF	ISSUED FOR INFORMATION			

Client

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Making progress possible. Together.

Client Approval

Date

Consultant Name

PAUL FARIA

PR Eng No.

20080318

Consultant Signature

Date

Project Title

VOORTREKKER ROAD CORRIDOR
PHASE 1B

Drawing Title

EXISTING & PROPOSED
STORMWATER LAYOUT
SHEET 2 OF 3

14 FLOOR, THE TOWERS SOUTH,
2 HERTZOG BOULEVARD,
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8001

TEL: +27 21 425 2870
WEB: www.hho.co.za
EMAIL: enquiries@hho.co.za

Client Number

CPX.0010465

Scale

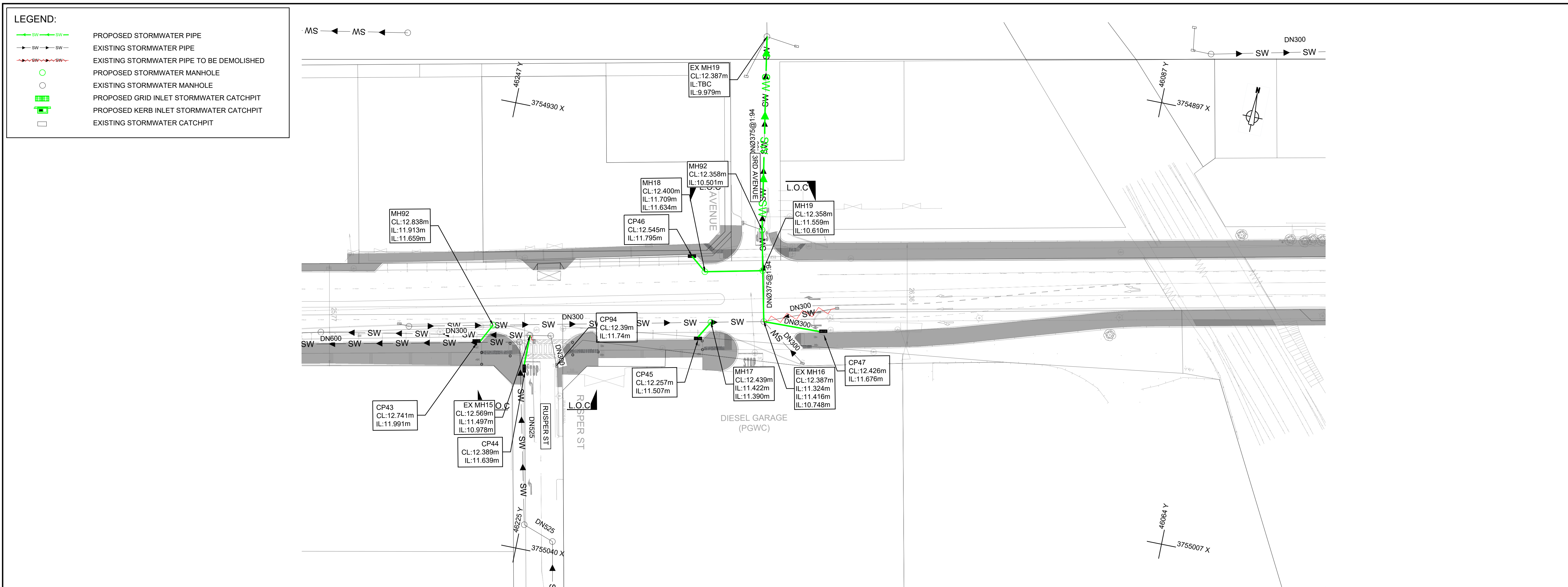
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Drawing Number

HHO-7504-705-1622

Rev

A



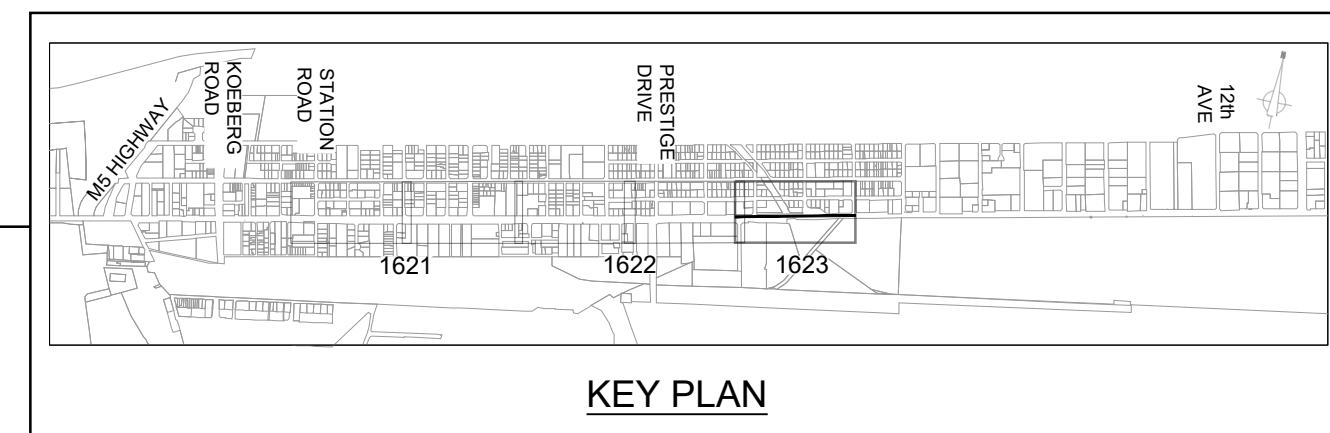
MANHOLES SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
EX MH16	46174.386	37549971.424
EX MH17	45880.577	3754893.721
EX MH18	45850.464	3754887.262
MH19	46177.206	3754958.845
MH20	45988.183	3754906.205

MANHOLES SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
MH21	45895.739	3754908.312
MH22	45853.247	3754900.674
MH23	45770.194	3754833.761
MH24	45695.544	3754864.629
MH25	45673.291	3754859.592

MANHOLES SETTING OUT COORDINATES WGS84		
POINT	Y-COORD 0.000	X-COORD 3 700 000
MH26	45678.844	3754842.457
MH27	45679.481	3754846.214
MH28	45626.451	3754850.003
MH29	45554.374	3754834.905
MH30	45499.719	3754823.239

STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP47	46158.799	3754972.264	DOUBLE GRID INLET
CP48	45982.506	3754915.537	DOUBLE GRID INLET
CP49	45946.839	3754922.057	DOUBLE GRID INLET
CP50	45897.239	3754910.717	DOUBLE GRID INLET
CP51	45882.823	3754892.715	DOUBLE GRID INLET
CP52	45832.279	3754881.921	DOUBLE GRID INLET

STORMWATER CATCHPIT SETTING OUT COORDINATES WGS84			
POINT	Y-COORD 0.000	X-COORD 3 700 000	DESCRIPTION
CP53	45767.036	3754885.4098	DOUBLE GRID INLET
CP54	45695.504	3754869.874	DOUBLE GRID INLET
CP55	45671.547	3754864.617	DOUBLE GRID INLET
CP56	45623.444	3754854.629	DOUBLE GRID INLET
CP57	45550.065	3754839.119	DOUBLE GRID INLET
CP58	45494.341	3754827.474	DOUBLE GRID INLET



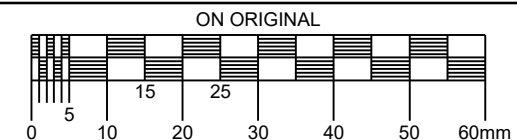
NOTES:

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- HHO-7504-705-1001 TO 1003 GENERAL LAYOUT
- HHO-7504-705-1101 TO 1103 TYPICAL CROSS SECTIONS
- HHO-7504-705-2601 TO 2603 STORMWATER DETAILS

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[illegible]

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

Project Title	VOORTREKKER ROAD CORRIDOR PHASE 1B
Drawing Title	EXISTING & PROPOSED STORMWATER LAYOUT SHEET 3 OF 3



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Client Number	
CPX.0010465	
Scale	
1:500 @ A1	
Drawing Number	Rev
HHO-7504-703-1623	A