

Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WW — WASTEWATER - 100Ø
- WW — WASTEWATER - 150Ø
- SW — STORMWATER - 150Ø
- SW — STORMWATER - 225Ø
- SW — STORMWATER - 300Ø
- WM — WATER - 63Ø
- WM — WATER - 125Ø
- WM — WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER - OVERALL**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
3	30-09-2026	KDB	FOR CONSENT
2	16-09-2026	KDB	FOR APPROVAL
1	28/08/2026	BF	FOR INFORMATION

Drawn: BF | Scale: 1:5000 | at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-700 | Revision: 3

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WASTEWATER - 100Ø
- WASTEWATER - 150Ø
- STORMWATER - 150Ø
- STORMWATER - 225Ø
- STORMWATER - 300Ø
- WATER - 63Ø
- WATER - 125Ø
- WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER - MAIN & BLOODSTOCKS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
3	30-09-2026	KDB	FOR CONSENT
2	16-09-2026	KDB	FOR APPROVAL
1	28/08/2026	BF	FOR INFORMATION

Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-701 | Revision: 3

all dimensions to be verified on site before making any shop drawings or commencing any work.

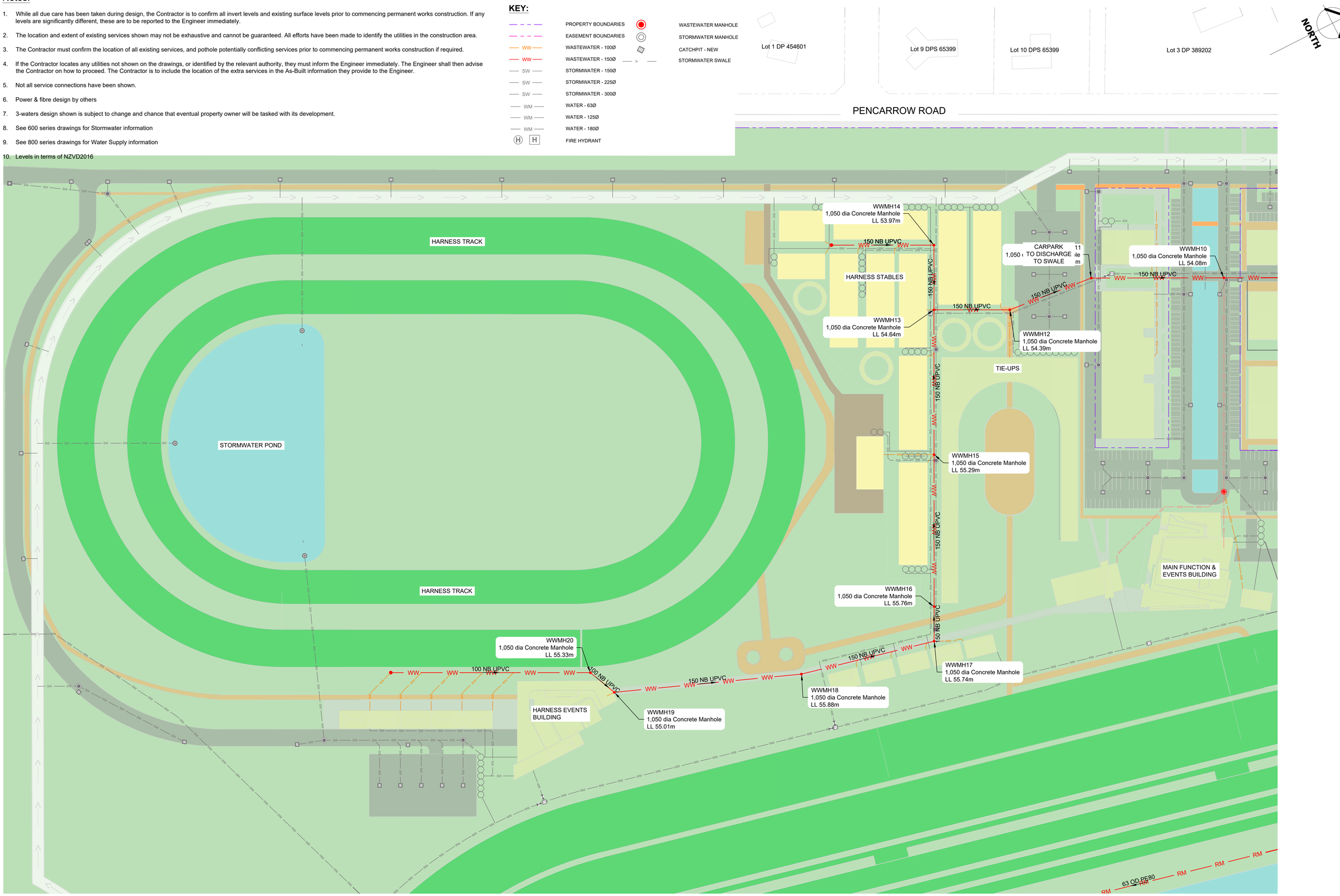
the copyright of this drawing remains with BCD Group

Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WW — WASTEWATER - 100Ø
- WW — WASTEWATER - 150Ø
- SW — STORMWATER - 150Ø
- SW — STORMWATER - 225Ø
- SW — STORMWATER - 300Ø
- WM — WATER - 63Ø
- WM — WATER - 125Ø
- WM — WATER - 180Ø
- H — FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE



Client	WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA	Contractor	
BCD GROUP			
Sheet	WASTEWATER - HARNESS AREA		
Project Title	WAIKATO THOROUGHBRED RACING PENCARROW ROAD, TAMAHERE		

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

Drawn: BF	Scale: 1:1000	at A1
Engineer: BCD		
Job No:	Sheet No:	Revision
23-1883	C-702	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



NORTH

Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WW — WASTEWATER - 100Ø
- WW — WASTEWATER - 150Ø
- SW — STORMWATER - 150Ø
- SW — STORMWATER - 225Ø
- SW — STORMWATER - 300Ø
- WM — WATER - 63Ø
- WM — WATER - 125Ø
- WM — WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER - SENIOR LIVING**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
3	30-09-2026	KDB	FOR CONSENT
2	16-09-2026	KDB	FOR APPROVAL
1	28/08/2026	BF	FOR INFORMATION

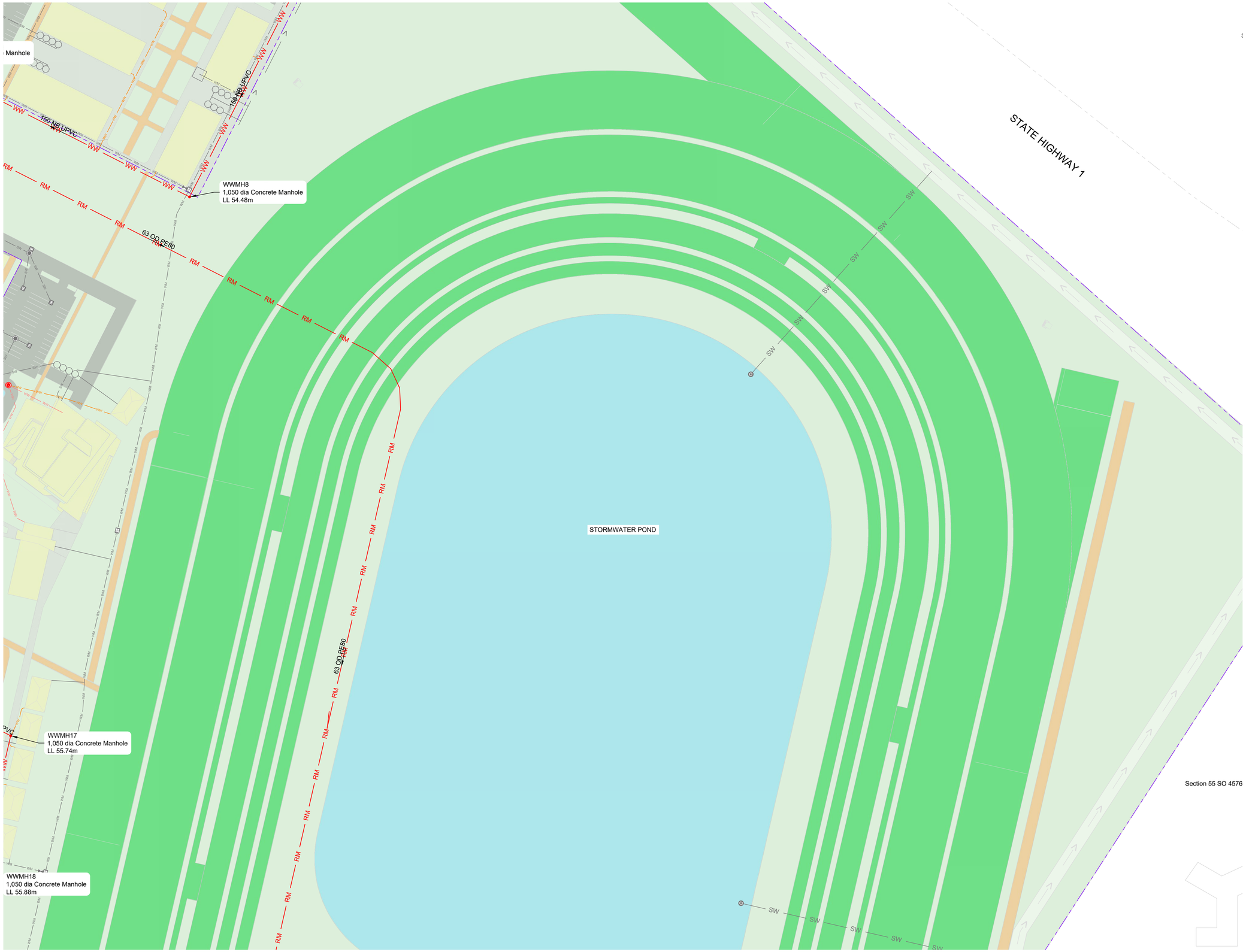
Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-703 | Revision: 3

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



NORTH

Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WASTEWATER - 100Ø
- WASTEWATER - 150Ø
- STORMWATER - 150Ø
- STORMWATER - 225Ø
- STORMWATER - 300Ø
- WATER - 63Ø
- WATER - 125Ø
- WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor:

BCD GROUP

Sheet: **WASTEWATER - MAIN NORTH**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

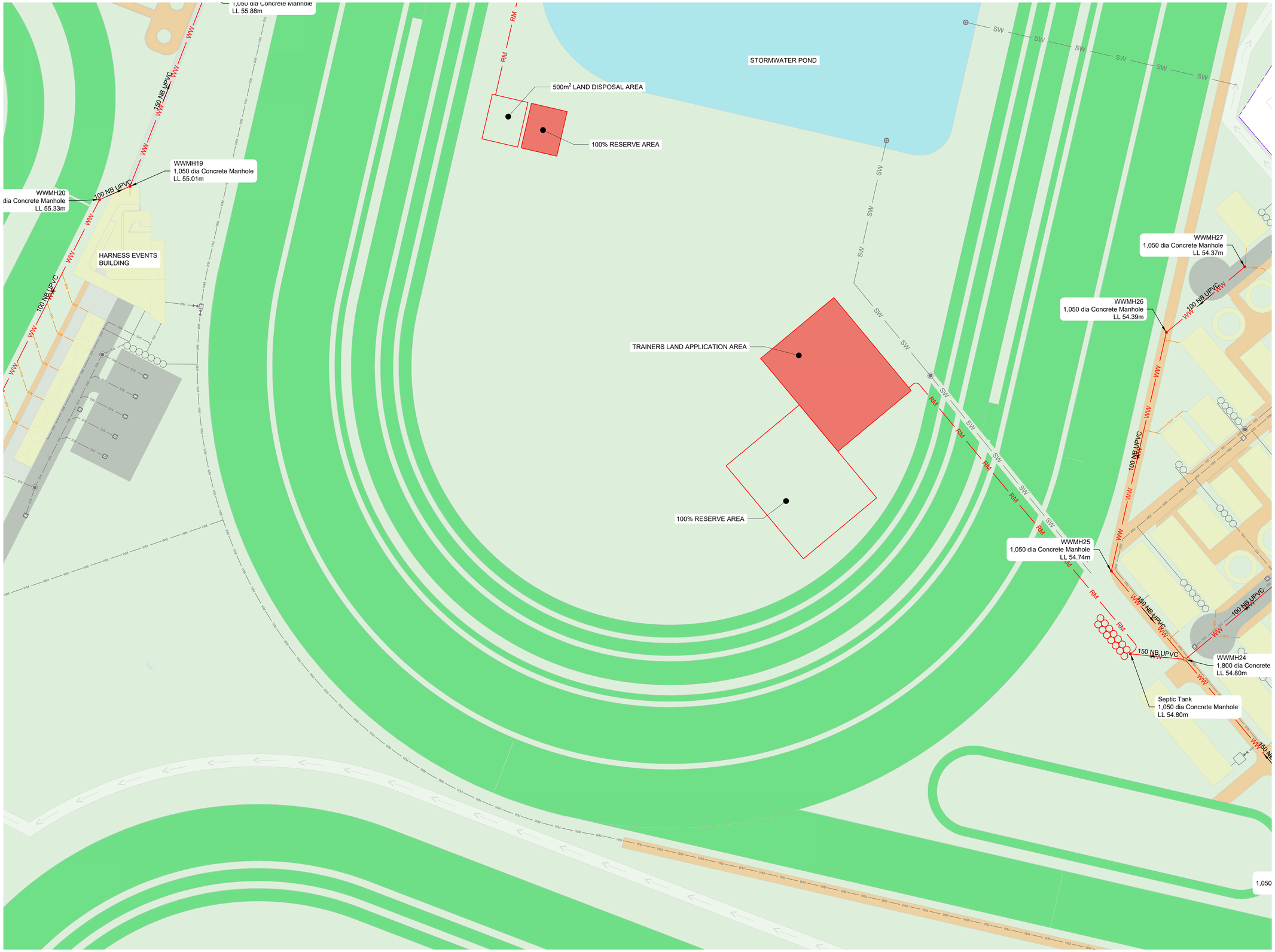
Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No:	Sheet No:	Revision
23-1883	C-704	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



NORTH

Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WW — WASTEWATER - 100Ø
- WW — WASTEWATER - 150Ø
- SW — STORMWATER - 150Ø
- SW — STORMWATER - 225Ø
- SW — STORMWATER - 300Ø
- WM — WATER - 63Ø
- WM — WATER - 125Ø
- WM — WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor:

BCD GROUP

Sheet: **WASTEWATER - MAIN SOUTH**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No:	Sheet No:	Revision
23-1883	C-705	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



Notes:

1. While all due care has been taken during design, the Contractor is to confirm all invert levels and existing surface levels prior to commencing permanent works construction. If any levels are significantly different, these are to be reported to the Engineer immediately.
2. The location and extent of existing services shown may not be exhaustive and cannot be guaranteed. All efforts have been made to identify the utilities in the construction area.
3. The Contractor must confirm the location of all existing services, and pothole potentially conflicting services prior to commencing permanent works construction if required.
4. If the Contractor locates any utilities not shown on the drawings, or identified by the relevant authority, they must inform the Engineer immediately. The Engineer shall then advise the Contractor on how to proceed. The Contractor is to include the location of the extra services in the As-Built information they provide to the Engineer.
5. Not all service connections have been shown.
6. Power & fibre design by others
7. 3-waters design shown is subject to change and chance that eventual property owner will be tasked with its development.
8. See 600 series drawings for Stormwater information
9. See 800 series drawings for Water Supply information
10. Levels in terms of NZVD2016

KEY:

- PROPERTY BOUNDARIES
- EASEMENT BOUNDARIES
- WW — WASTEWATER - 100Ø
- WW — WASTEWATER - 150Ø
- SW — STORMWATER - 150Ø
- SW — STORMWATER - 225Ø
- SW — STORMWATER - 300Ø
- WM — WATER - 63Ø
- WM — WATER - 125Ø
- WM — WATER - 180Ø
- FIRE HYDRANT
- WASTEWATER MANHOLE
- STORMWATER MANHOLE
- CATCHPIT - NEW
- STORMWATER SWALE

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER - TRAINERS AREA**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
3	30-09-2026	KDB	FOR CONSENT
2	16-09-2026	KDB	FOR APPROVAL
1	28/08/2026	BF	FOR INFORMATION

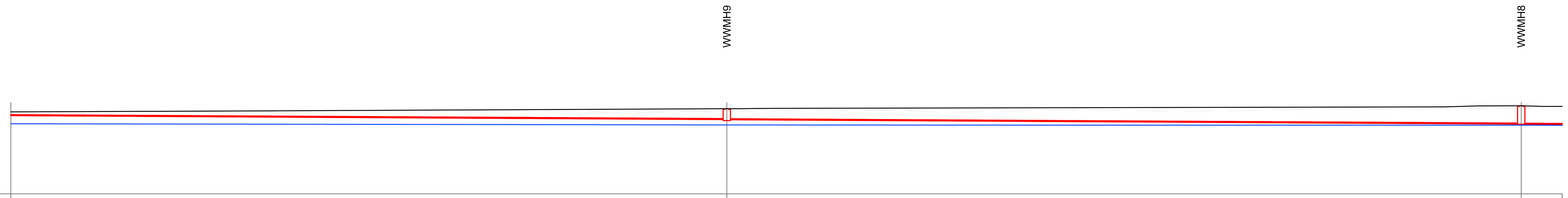
Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-706 | Revision: 3

all dimensions to be verified on site before making any shop drawings or commencing any work.

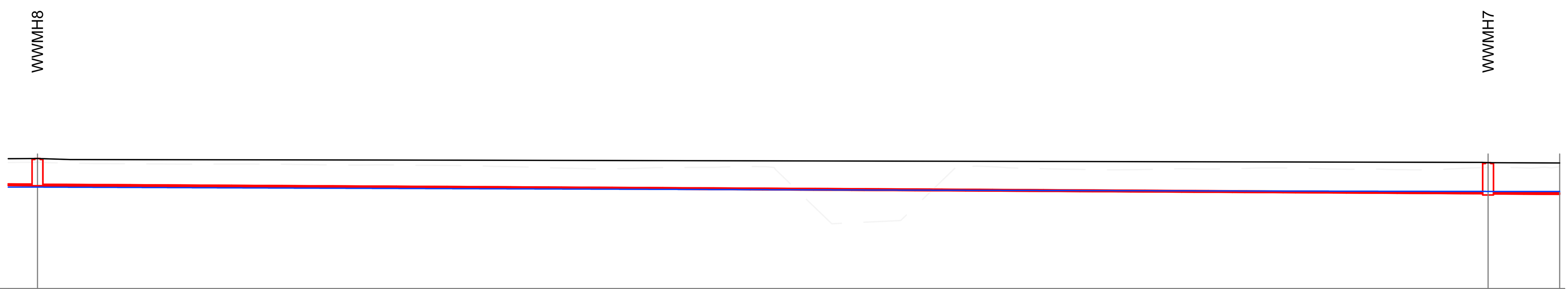
the copyright of this drawing remains with BCD Group



VERT EXAG 1:1
Datum 40.000

	Start	WWMH9	WWMH8	End
pipe details	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	
lid level		54.00	54.48	
invert level	52.86	52.22 / 52.20	51.48 / 51.46	50.57
cover to pipe	0.46	1.63 / 1.65	2.85 / 2.87	3.30
distance		117.688	248.260	

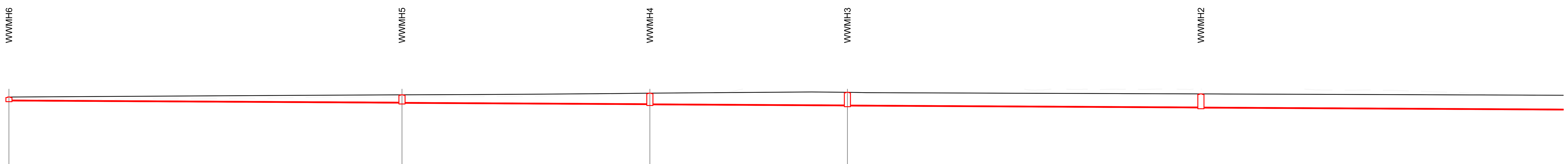
EASTERN BLOODSTOCK COLLECTOR



VERT EXAG 1:1
Datum 40.000

	WWMH8	WWMH7	End
pipe details	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC PN 6 0.55% (1:182)
lid level	54.48	54.02	
invert level	52.20 / 51.48 / 51.46	50.57 / 50.55	50.50
cover to pipe	1.65 / 2.85 / 2.87	3.30 / 3.32	3.33
distance	248.260	409.954	

EASTERN BLOODSTOCK COLLECTOR



VERT EXAG 1:1
Datum 40.000

	WWMH6	WWMH5	WWMH4	WWMH3	WWMH2	End
pipe details	150 NB UPVC PN 6 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	
lid level	53.44	53.88	54.21	54.38	54.06	
invert level	52.68	52.26 / 52.23	51.96 / 51.93	51.72 / 51.70	51.31 / 51.29	50.86
cover to pipe	0.60	1.47 / 1.50	2.09 / 2.12	2.51 / 2.52	2.59 / 2.61	2.75
distance	???	???	125.765	164.528	233.892	

WESTERN BLOODSTOCK COLLECTOR

Notes:

1. Groundwater modeled based on piezometer data collected over 5 months

   indicative groundwater level

2. Levels in terms of NZVD2016

Client: WTR WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	28/08/2026	BF	FOR INFORMATION

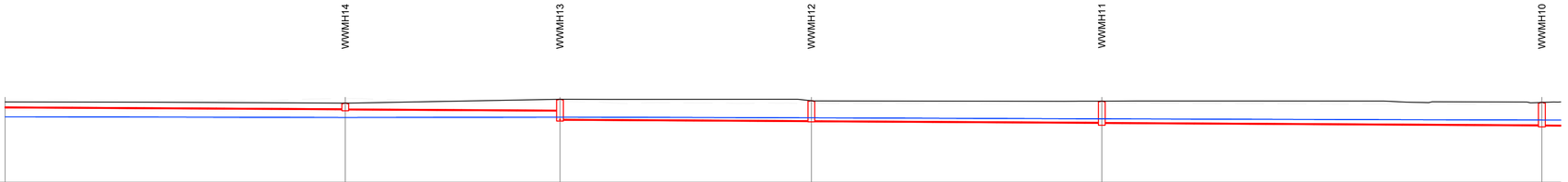
Drawn: BF — Scale: 1:500 at A1

Engineer: BCD

Job No:	Sheet No:	Revision
23-1883	C-710	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

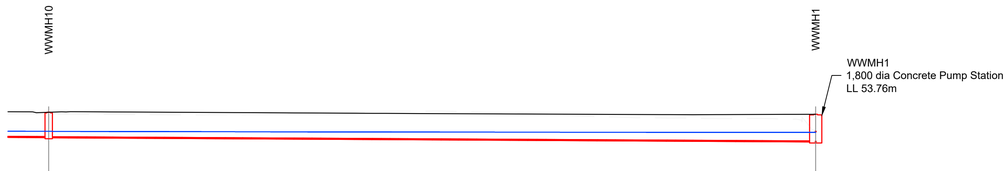
the copyright of this drawing remains with BCD Group



VERT EXAG 1:1
Datum 40.000

pipe details	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)
lid level	53.97	54.64	54.39	54.31	54.08	
invert level	53.13	52.80 52.77	52.56 50.95	50.71 50.69	50.40 50.38	49.96 49.94 49.25
cover to pipe	0.88	1.01 1.04	1.93 3.54	3.53 3.55	3.75 3.77	3.97 3.99 4.36
distance	60.128	98.087	142.525	193.863	271.656	

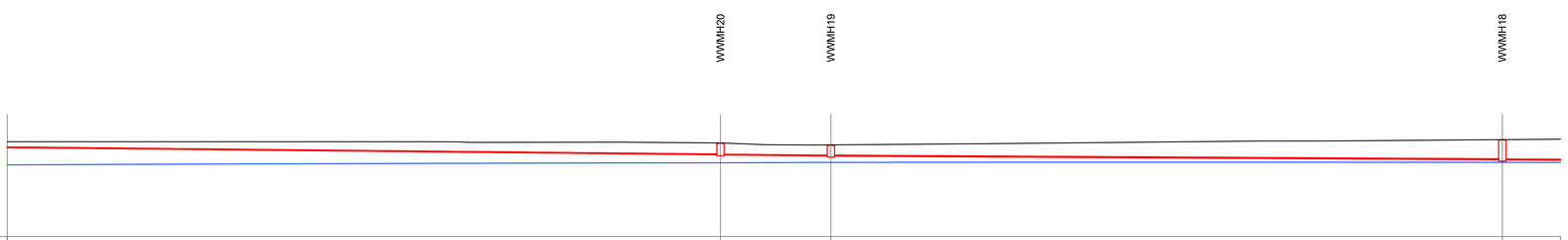
MAIN HARNESS AREA COLLECTOR



VERT EXAG 1:1
Datum 40.000

pipe details	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)	
lid level	54.08		53.76
invert level	50.38 49.96 49.94		49.25
cover to pipe	3.77 3.97 3.99		4.36
distance	271.656		396.855

MAIN HARNESS AREA COLLECTOR



VERT EXAG 1:1
Datum 40.000

pipe details	100 NB UPVC 1.00% (1:100)	100 NB UPVC 1.00% (1:100)	150 NB UPVC 0.55% (1:182)	150 NB UPVC 0.55% (1:182)
lid level	55.33	55.01	55.88	
invert level	54.57	53.40 53.38	53.20 53.18	52.57 52.55 52.11
cover to pipe	0.85	1.82 1.84	1.71 1.68	3.15 3.17 3.48
distance	117.085	135.220	245.456	

EASTERN HARNESS AREA COLLECTOR

Notes:

1. Groundwater modeled based on piezometer data collected over 5 months

   indicative groundwater level

2. Levels in terms of NZVD2016

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	28/08/2026	BF	FOR INFORMATION

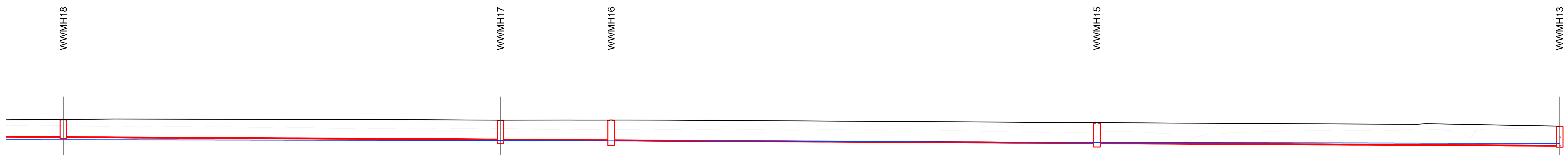
Drawn: BF | Scale: 1:500 | at A1

Engineer: BCD

Job No:	Sheet No:	Revision
23-1883	C-711	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

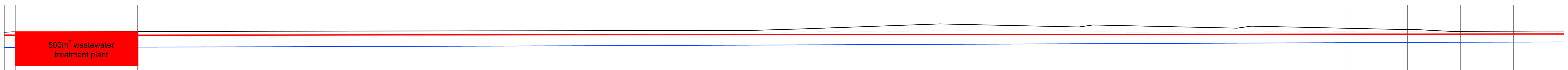
the copyright of this drawing remains with BCD Group



VERT EXAG 1:1
Datum 40.000

pipe details	150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)	
lid level		55.88		55.74		55.76		55.29		54.64
invert level	53.18	52.57	52.55	52.11	52.09	51.98	51.96	51.47	51.45	50.98
cover to pipe	1.68	3.15	3.17	3.48	3.50	3.63	3.65	3.66	3.68	3.51
distance		245.456		325.665		345.965		435.093		98.087

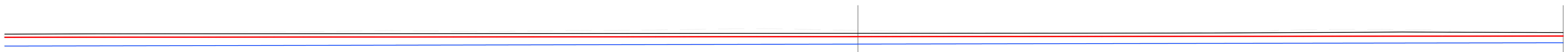
EASTERN HARNESS AREA COLLECTOR



VERT EXAG 1:1
Datum 40.000

pipe details	63 OD PE80 PN10 1.00% (1:100)	63 OD PE80 -0.08% (-1:1259)		63 OD PE80 -0.08% (-1:1259)		63 OD PE80 -0.08% (-1:1259)		63 OD PE80 -0.08% (-1:1259)		63 OD PE80 -0.08% (-1:1259)	
lid level											
invert level	53.47 / 53.45	53.45	53.66	53.66	53.67	53.67	53.68	53.68	53.69	53.69	53.94
cover to pipe	0.56 / 0.60	0.74	1.25	1.25	0.96	0.96	0.56	0.56	0.58	0.58	0.65
distance											

RISING MAIN - HARNESS AND BLOODSTOCKS



VERT EXAG 1:1
Datum 40.000

pipe details	63 OD PE80 -0.08% (-1:1259)	
lid level		
invert level	53.69	53.94
cover to pipe	0.58	0.65
distance		

RISING MAIN - HARNESS AND BLOODSTOCKS

Notes:

1. Groundwater modeled based on piezometer data collected over 5 months

   indicative groundwater level

2. Levels in terms of NZVD2016

Client: WTR WAIKATO THOROUGHBRED RACING
TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**
PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

Drawn: BF | Scale: 1:500 at A1
Engineer: BCD
Job No: 23-1883 | Sheet No: C-712 | Revision: 2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group

Notes:

1. Groundwater modeled based on piezometer data collected over 5 months

   indicative groundwater level

2. Levels in terms of NZVD2016



VERT EXAG 1:1
Datum 50.000

pipe details		100 NB UPVC 1.00% (1:100)		100 NB UPVC 1.00% (1:100)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)
lid level	54.37		54.39		54.74		54.80	
invert level	53.61		53.05 53.02		51.69 51.66		51.31 51.42	52.21
cover to pipe	0.65		1.23 1.26		2.95 2.93		3.33 3.23	2.59
distance	0.000		55.785		189.498		252.329	

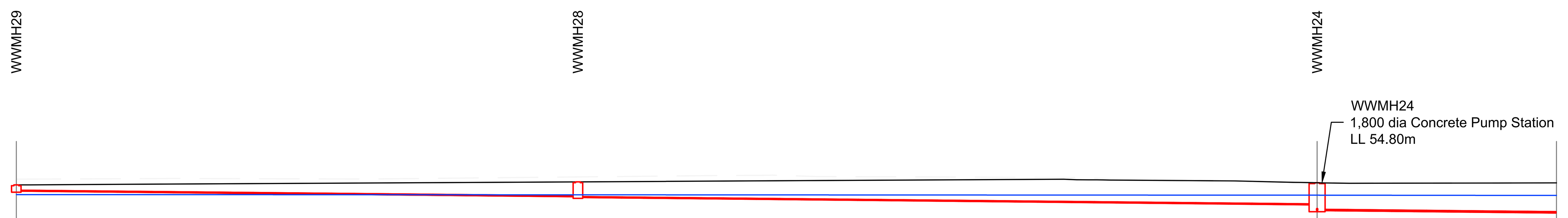
Trainers Wastewater Main



VERT EXAG 1:1
Datum 50.000

pipe details		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		150 NB UPVC 0.55% (1:182)		
lid level			54.80		54.95		55.05		55.15	
invert level	51.66		51.31 51.42		52.21 53.03		53.38 53.40		53.57	
cover to pipe	2.93		3.33 3.23		2.59 1.76		1.51 1.49		1.43	
distance			252.329		396.644		460.000		490.265	

Trainers Wastewater Main



VERT EXAG 1:1
Datum 40.000

pipe details		100 NB UPVC 1.00% (1:100)		100 NB UPVC 1.00% (1:100)		150 NB UPVC 1.00% (1:100)	
lid level	54.53		54.92		54.80		
invert level	53.76		53.06 52.96		52.03 51.31		51.01
cover to pipe	0.66		1.75 1.85		2.66 3.33		3.63
distance	0.000		70.616				

CENTRAL TRAINERS COLLECTOR

Client: WTR WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet: **WASTEWATER SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

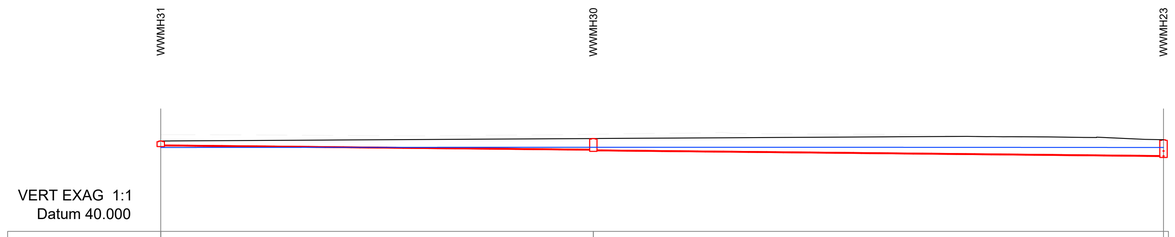
Drawn: BF | Scale: 1:500 at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-713 | Revision: 2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group



pipe details		100 NB UPVC 1.00% (1:100)	100 NB UPVC 1.00% (1:100)
lid level	54.74	55.15	54.95
invert level	53.97	53.27	53.17 52.24
cover to pipe	0.66	1.77	1.87 2.60
distance	0.000	70.616	

TRAINERS AREA SOUTHERN COLLECTOR

Notes:

1. Groundwater modeled based on piezometer data collected over 5 months

   indicative groundwater level

2. Levels in terms of NZVD2016

Client: WAIKATO THOROUGHBRED RACING — TE RAPA · CAMBRIDGE · WAIPA

Contractor: BCD GROUP

Sheet: **WASTEWATER SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	KDB	FOR CONSENT
1	16-09-2026	KDB	FOR APPROVAL

Drawn: BF | Scale: 1:1000 | at A1

Engineer: BCD

Job No:	Sheet No:	Revision
23-1883	C-714	2

all dimensions to be verified on site before making any shop drawings or commencing any work.

the copyright of this drawing remains with BCD Group