

Client

WAIKATO THOROUGHBRED RACING
TE RAPA · CAMBRIDGE · WAIPA

Contractor

BCD GROUP

Sheet
SITE SECTION LOCATION PLAN

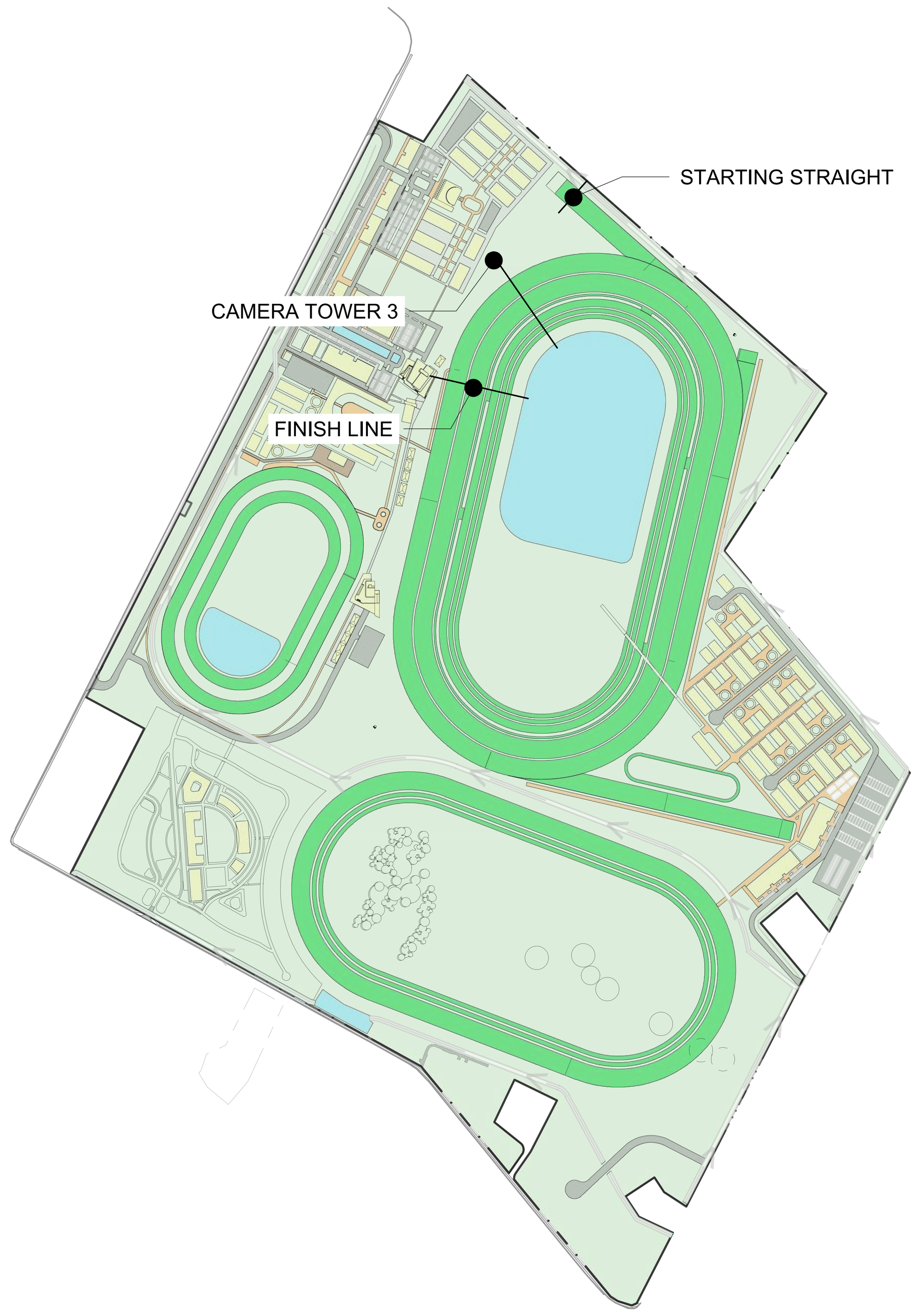
Project Title
WAIKATO THOROUGHBRED RACING
PENCARROW ROAD, TAMAHERE

Rev	Date	By	Reason
2	30-09-2026	BF	FOR CONSENT
1	16/09/2026	BF	FOR INFORMATION

Drawn: BF | Scale: 1:5000 | at A1
Engineer: BCD
Job No: 23-1883 | Sheet No: C-250 | Revision 2

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

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Section Location Plan

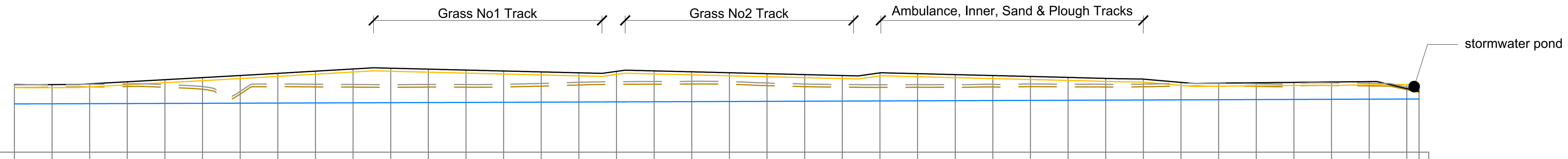
scale 1:10,000

Notes:

- Levels in terms of NZVD 2016
- Groundwater levels shown were measured by BCD Group on 14/09/2026 and represent the highest groundwater level recorded on site since monitoring commenced
- Topsoil depth based on average of results from geotechnical testing

Legend

- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured

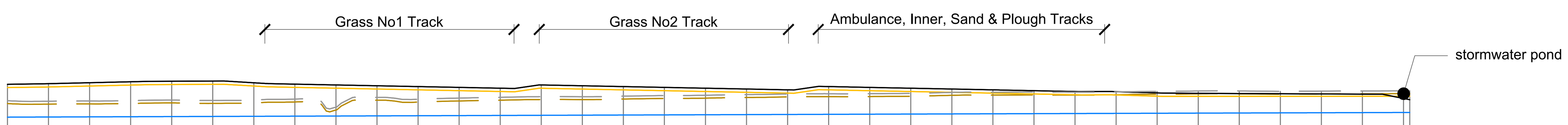


VERT EXAG 1:1
Datum 45.000

existing level	53.96	53.99	54.04	53.94	53.68	53.05	54.02	53.99	53.96	53.94	53.96	53.95	53.99	54.09	54.24	54.33	54.35	54.37	54.35
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	53.96	53.99	54.04	53.94	53.68	53.05	54.02	53.99	53.96	53.94	53.96	53.95	53.99	54.09	54.24	54.33	54.35	54.37	54.35
cut/fill to prop. subgrade	-0.07	0.00	0.23	0.61	1.14	2.05	1.36	1.68	2.00	2.13	1.98	1.86	1.71	1.49	1.21	1.32	1.36	1.21	1.12
proposed subgrade	53.54	53.64	53.92	54.19	54.47	54.75	55.03	55.32	55.61	55.72	55.59	55.47	55.35	55.23	55.11	55.30	55.36	55.24	55.11
design level	53.94	54.04	54.32	54.59	54.87	55.15	55.43	55.72	56.01	56.12	55.99	55.87	55.75	55.63	55.51	55.70	55.76	55.64	55.51
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00

existing level	54.15	54.02	53.95	53.93	53.94	53.94	53.98	54.03	53.99	53.98	54.01	54.11	54.08	54.05	54.08	54.18	54.12	53.62	53.28
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.15	54.02	53.95	53.93	53.94	53.94	53.98	54.03	53.99	53.98	54.01	54.11	54.08	54.05	54.08	54.18	54.12	53.62	53.28
cut/fill to prop. subgrade	1.19	1.19	1.14	1.52	1.40	1.28	1.11	0.94	0.85	0.74	0.61	0.07	0.00	0.08	0.10	0.01	0.14	0.69	1.04
proposed subgrade	54.99	54.87	54.74	55.10	54.99	54.87	54.74	54.62	54.49	54.37	54.27	53.84	53.74	53.79	53.83	53.84	53.91	53.96	53.97
design level	55.39	55.27	55.14	55.50	55.39	55.27	55.14	55.02	54.89	54.77	54.67	54.24	54.13	54.18	54.24	54.29	54.34	53.42	53.05
distance	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00	185.00	186.63

COURSE PROPER - CAMERA TOWER 3 to SW POND

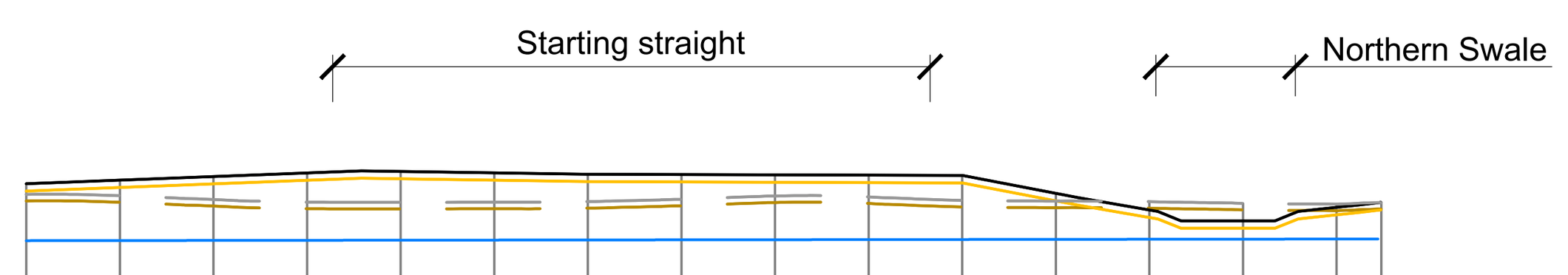


VERT EXAG 1:1
Datum 45.000

existing level	53.52	53.55	53.59	53.66	53.61	53.67	53.78	52.79	53.99	53.77	53.90	54.00	54.07	54.07	54.14	54.21	54.25	54.33
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	53.52	53.55	53.59	53.66	53.61	53.67	53.78	52.79	53.99	53.77	53.90	54.00	54.07	54.07	54.14	54.21	54.25	54.33
cut/fill to prop. subgrade	2.08	2.17	2.25	2.24	2.32	2.05	1.77	2.66	1.36	1.48	1.25	1.05	1.38	1.29	1.11	0.94	0.81	0.62
proposed subgrade	55.25	55.37	55.49	55.55	55.58	55.37	55.20	55.10	55.00	54.90	54.80	54.70	55.10	55.00	54.90	54.80	54.70	54.60
design level	55.65	55.77	55.89	55.95	55.98	55.76	55.60	55.50	55.40	55.30	55.20	55.10	55.50	55.40	55.30	55.20	55.10	55.00
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00

existing level	54.40	54.43	54.44	54.47	54.59	54.62	54.64	54.62	54.65	54.71	54.77	54.77	54.72	54.75	54.77	54.79	54.79
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.40	54.43	54.44	54.47	54.59	54.62	54.64	54.62	54.65	54.71	54.77	54.77	54.72	54.75	54.77	54.79	54.79
cut/fill to prop. subgrade	0.45	0.83	0.71	0.58	0.36	0.23	0.11	0.03	-0.02	-0.23	-0.31	-0.31	-0.26	-0.28	-0.29	-0.31	-0.31
proposed subgrade	54.50	54.90	54.80	54.70	54.60	54.50	54.40	54.30	54.28	54.13	54.11	54.11	54.12	54.12	54.12	54.13	54.13
design level	54.90	55.30	55.20	55.10	55.00	54.90	54.80	54.70	54.68	54.53	54.48	54.45	54.43	54.40	54.38	53.85	53.70
distance	95.00	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	170.76

COURSE PROPER FINISH LINE



VERT EXAG 1:1
Datum 45.000

existing level	54.05	53.84	53.71	53.70	53.70	53.73	53.86	54.04	53.98	53.80	53.76	53.73	53.64	53.60
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.05	53.84	53.71	53.70	53.70	53.73	53.86	54.04	53.98	53.80	53.76	53.73	53.64	53.60
cut/fill to prop. subgrade	0.79	1.18	1.51	1.60	1.52	1.42	1.28	1.08	1.12	1.28	0.36	-0.50	-0.99	-0.23
proposed subgrade	54.48	54.68	54.87	54.95	54.87	54.80	54.78	54.76	54.75	54.73	53.77	52.88	52.30	53.02
design level	54.88	55.08	55.27	55.35	55.27	55.20	55.18	55.16	55.15	55.13	54.17	53.28	52.70	53.42
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00

COURSE PROPER - NORTHERN STARTING STRAIGHT

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

Contractor

BCD GROUP

Sheet: **SITE SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

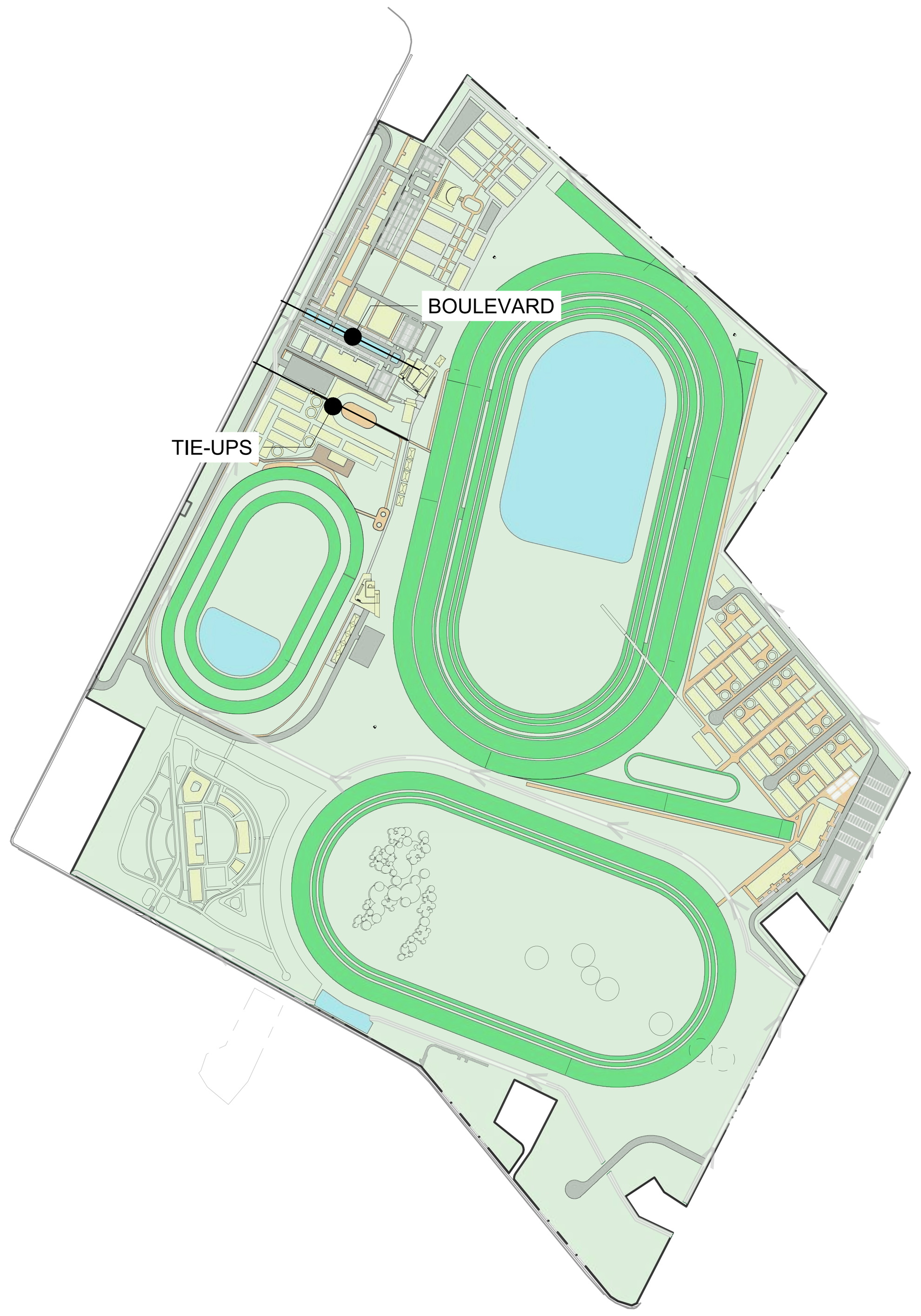
PENCARROW ROAD, TAMAHERE

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

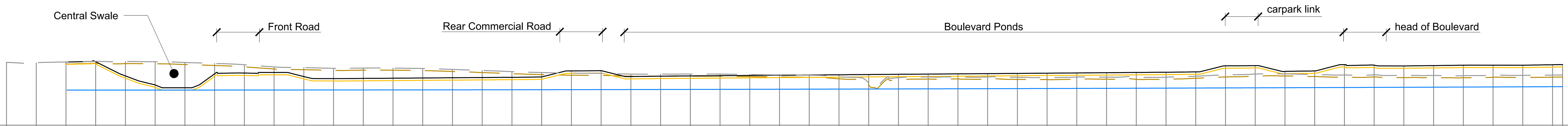
Drawn: BF — Scale: 1:500 at A1
Engineer: BCD
Job No: 23-1883 — Sheet No: C-251 — Revision: 2

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

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Section Location Plan
scale 1:10,000



existing level		55.51	55.67	55.77	55.73	55.70	55.58	55.42	55.20	54.83	54.71	54.59	54.63	54.63	54.56	54.41	54.23
topsoil depth				-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	55.58	55.51	55.67	55.77	55.73	55.70	55.58	55.42	55.20	54.83	54.71	54.59	54.63	54.63	54.56	54.41	54.23
cut/fill to prop. subgrade				-0.12	-2.47	-3.97	-4.32	-1.80	-1.45	-0.98	-1.57	-1.79	-1.80	-1.75	-1.65	-1.46	-1.24
proposed subgrade				55.30	52.91	51.38	50.91	53.27	53.39	53.49	52.80	52.46	52.49	52.52	52.56	52.60	52.64
design level				55.70	53.31	51.78	51.31	53.67	53.79	53.89	53.20	52.86	52.89	52.92	52.96	53.00	53.04
distance		5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00

existing level	54.03	53.88	53.78	53.75	53.62	53.61	53.62	53.62	53.55	53.49	53.43	53.17	52.10	53.01	53.13	53.15	53.14
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.03	53.88	53.78	53.75	53.62	53.61	53.62	53.62	53.55	53.49	53.43	53.17	52.10	53.01	53.13	53.15	53.14
cut/fill to prop. subgrade	-1.01	-0.79	0.32	0.39	-0.46	-0.39	-0.36	-0.32	-0.21	-0.11	-0.02	0.28	1.39	0.52	0.44	0.46	0.51
proposed subgrade	52.68	52.74	53.76	53.79	52.81	52.87	52.91	52.95	52.99	53.03	53.06	53.10	53.14	53.18	53.22	53.26	53.30
design level	53.08	53.14	54.16	54.19	53.21	53.27	53.31	53.35	53.39	53.43	53.46	53.50	53.54	53.58	53.62	53.66	53.70
distance	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00

existing level	53.06	53.04	53.12	53.11	53.08	53.10	53.27	53.48	53.63	53.64	53.57	53.47	53.49	53.37	53.39	53.35	53.44	53.41	53.45	53.48
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	53.06	53.04	53.12	53.11	53.08	53.10	53.27	53.48	53.63	53.64	53.57	53.47	53.49	53.37	53.39	53.35	53.44	53.41	53.45	53.48
cut/fill to prop. subgrade	0.62	0.69	0.65	0.69	0.77	0.78	0.67	1.47	1.36	0.38	0.54	1.70	1.58	1.58	1.61	1.71	1.64	1.66	1.70	1.70
proposed subgrade	53.34	53.38	53.42	53.45	53.49	53.53	53.59	54.60	54.65	53.67	53.76	54.81	54.72	54.60	54.66	54.71	54.72	54.72	54.80	54.83
design level	53.74	53.78	53.82	53.85	53.89	53.93	53.99	55.00	55.05	54.07	54.16	55.21	55.12	55.00	55.06	55.11	55.12	55.12	55.20	55.23
distance	170.00	175.00	180.00	185.00	190.00	195.00	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	245.00	250.00	255.00	260.00	261.69

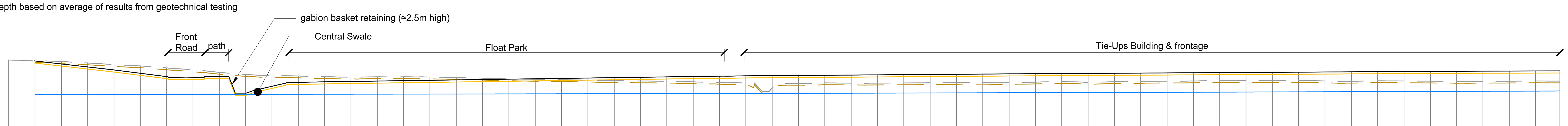
BOULEVARD - PENCARROW to MAIN BLDG

Legend

- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured

Notes:

- Levels in terms of NZVD 2016
- Groundwater levels shown were measured by BCD Group on 14/09/2026 and represent the highest groundwater level recorded on site since monitoring commenced
- Topsoil depth based on average of results from geotechnical testing



existing level		57.69	57.51	57.22	56.92	56.67	56.28	55.92	55.44	55.04	54.80	54.75	54.60	54.54	54.58	54.59	54.55	54.47	54.34	54.19
topsoil depth		-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	57.79	57.69	57.51	57.22	56.92	56.67	56.28	55.92	55.44	55.04	54.80	54.75	54.60	54.54	54.58	54.59	54.55	54.47	54.34	54.19
cut/fill to prop. subgrade		-0.13	-0.52	-0.80	-1.07	-1.45	-1.70	-1.46	-0.87	-3.60	-2.06	-1.26	-1.01	-0.88	-0.84	-0.78	-0.67	-0.52	-0.31	-0.10
proposed subgrade		57.21	56.64	56.07	55.50	54.87	54.23	54.11	54.22	51.09	52.39	53.14	53.24	53.31	53.39	53.46	53.53	53.60	53.67	53.75
design level		57.61	57.04	56.47	55.90	55.27	54.63	54.51	54.62	51.49	52.79	53.54	53.64	53.71	53.79	53.86	53.93	54.00	54.07	54.15
distance		5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00

existing level	54.11	54.05	53.96	53.87	53.79	53.76	53.64	53.55	53.38	52.43	53.36	53.43	53.39	53.39	53.42	53.47	53.53	53.55	53.53	53.58
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.11	54.05	53.96	53.87	53.79	53.76	53.64	53.55	53.38	52.43	53.36	53.43	53.39	53.39	53.42	53.47	53.53	53.55	53.53	53.58
cut/fill to prop. subgrade	0.05	0.19	0.35	0.51	0.67	0.77	0.96	1.13	1.35	2.33	1.44	1.41	1.48	1.52	1.53	1.52	1.49	1.51	1.56	1.55
proposed subgrade	53.82	53.89	53.96	54.03	54.11	54.18	54.25	54.32	54.38	54.41	54.45	54.49	54.53	54.56	54.60	54.64	54.67	54.71	54.75	54.78
design level	54.22	54.29	54.36	54.43	54.51	54.58	54.65	54.72	54.78	54.81	54.85	54.89	54.93	54.96	55.00	55.04	55.07	55.11	55.15	55.18
distance	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00	185.00	190.00	195.00

existing level	53.67	53.56	53.66	53.72	53.77	53.80	53.91	53.88	53.90	53.89	53.80	53.75	53.82	53.80	53.77	53.73	53.74	53.77	53.80	53.78
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	53.67	53.56	53.66	53.72	53.77	53.80	53.91	53.88	53.90	53.89	53.80	53.75	53.82	53.80	53.77	53.73	53.74	53.77	53.80	53.78
cut/fill to prop. subgrade	1.49	1.63	1.56	1.53	1.51	1.51	1.43	1.49	1.50	1.54	1.66	1.74	1.70	1.75	1.81	1.87	1.88	1.87	1.85	1.88
proposed subgrade	54.81	54.84	54.87	54.90	54.93	54.96	54.99	55.02	55.05	55.08	55.11	55.14	55.17	55.20	55.23	55.25	55.27	55.29	55.30	55.31
design level	55.21	55.24	55.27	55.30	55.33	55.36	55.39	55.42	55.45	55.48	55.51	55.54	55.57	55.60	55.63	55.65	55.67	55.69	55.70	55.71
distance	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	245.00	250.00	255.00	260.00	265.00	270.00	275.00	280.00	285.00	290.00	294.61

PENCARROW to MAIN MARQUEES via TIE-UPS

Client

WAIKATO THOROUGHBRED RACING
TE RAPA · CAMBRIDGE · WAIPA

Contractor

Sheet
SITE SECTIONS

Project Title
WAIKATO THOROUGHBRED RACING
PENCARROW ROAD, TAMAHERE

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

Drawn: BF | Scale: 1:500 | at A1
Engineer: BCD
Job No: 23-1883 | Sheet No: C-252 | Revision 2

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

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Section Location Plan

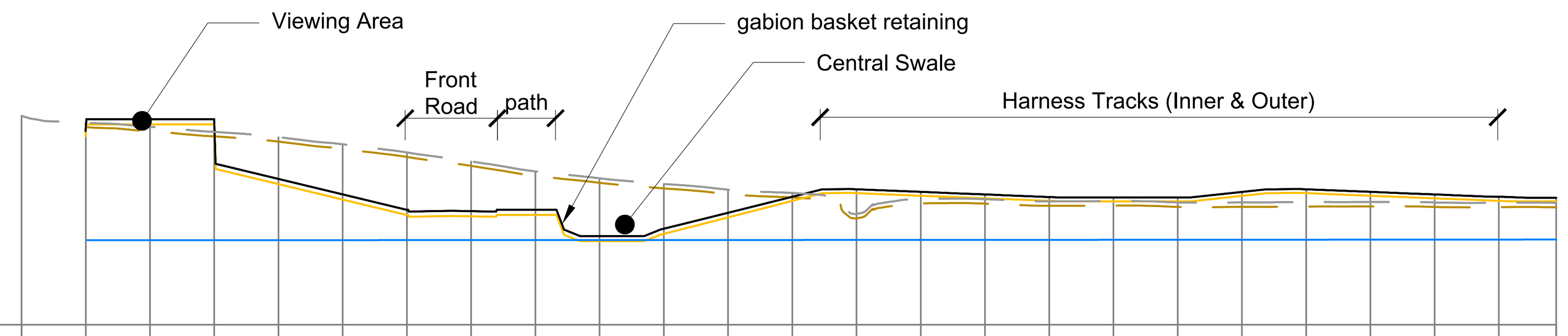
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- Topsoil depth based on average of results from geotechnical testing

Legend

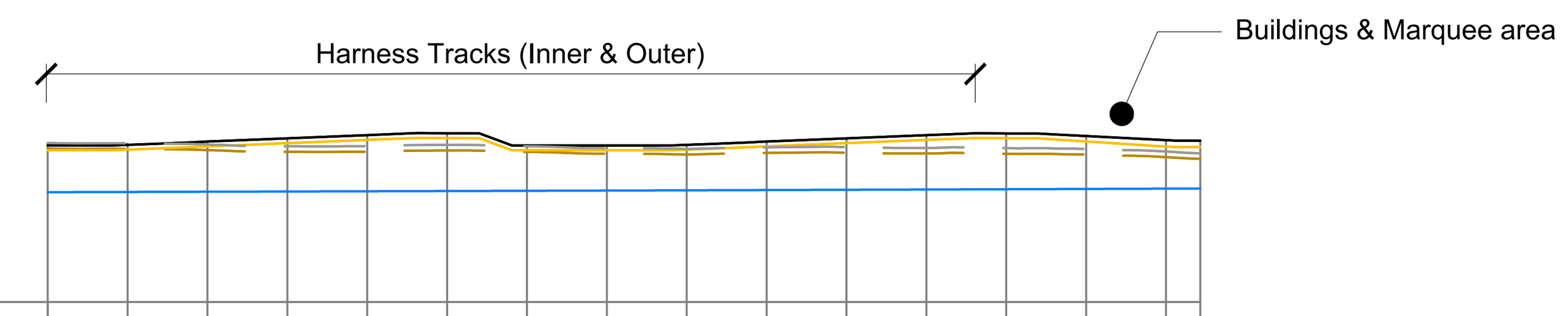
- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured



VERT EXAG 1:1
Datum 45.000

existing level	60.72	60.40	60.01	59.60	59.04	58.42	57.71	56.93	56.40	55.96	55.52	55.26	53.60	54.79	54.77	54.61	54.62	54.52	54.53	54.54	54.56	54.52	54.50	54.49
topsoil depth		-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level 61.26	60.72	60.40	60.01	59.60	59.04	58.42	57.71	56.93	56.40	55.96	55.52	55.26	53.60	54.79	54.77	54.61	54.62	54.52	54.53	54.54	54.56	54.52	54.50	54.49
cut/fill to prop. subgrade		0.55	0.93	-3.31	-3.95	-4.52	-3.92	-3.03	-4.55	-3.54	-1.82	-0.27	1.99	0.60	0.42	0.38	0.33	0.43	0.86	1.04	0.83	0.67	0.49	0.46
proposed subgrade	59.94	60.60	60.59	55.95	54.74	53.55	53.44	53.55	51.50	52.07	53.35	54.64	55.24	55.04	54.84	54.64	54.60	54.60	55.03	55.24	55.04	54.84	54.64	54.60
design level	60.34	61.00	60.99	56.35	55.14	53.95	53.84	53.95	51.90	52.47	53.71	54.96	55.54	55.34	55.14	54.94	54.90	54.90	55.33	55.54	55.34	55.14	54.95	54.88
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	119.46

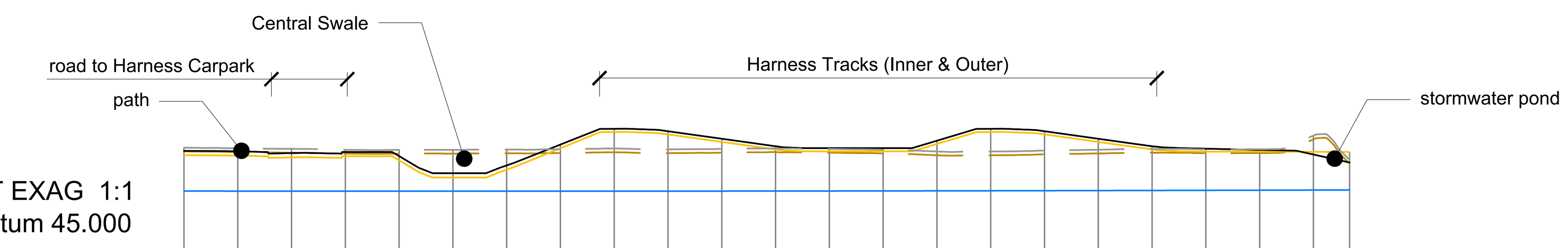
VIEWING AREA to HARNESS



VERT EXAG 1:1
Datum 45.000

existing level	54.93	54.86	54.75	54.76	54.83	54.75	54.64	54.59	54.68	54.70	54.65	54.63	54.58	54.42
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.93	54.86	54.75	54.76	54.83	54.75	54.64	54.59	54.68	54.70	54.65	54.63	54.58	54.42
cut/fill to prop. subgrade	-0.04	0.23	0.54	0.74	0.78	0.10	0.21	0.30	0.41	0.59	0.85	0.97	0.82	0.66
proposed subgrade	54.54	54.74	54.95	55.15	55.26	54.50	54.50	54.54	54.75	54.94	55.15	55.25	55.05	54.74
design level	54.84	55.04	55.25	55.45	55.56	54.80	54.80	54.84	55.05	55.24	55.45	55.55	55.39	55.14
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00

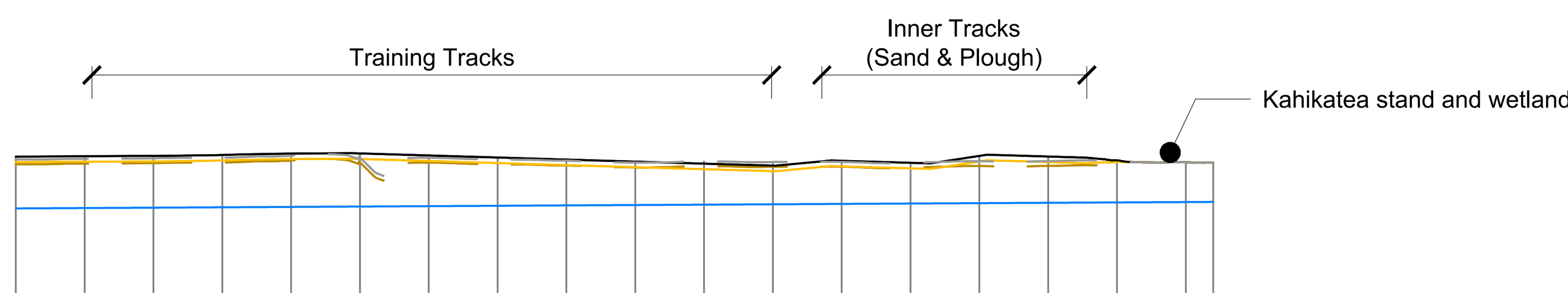
HARNESS FINISH LINE



VERT EXAG 1:1
Datum 45.000

existing level	54.84	54.78	54.69	54.69	54.69	54.72	54.75	54.81	54.73	54.78	54.83	54.77	54.70	54.54	54.53	54.63	54.70	54.78	54.73	54.74	56.02	53.77
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.84	54.78	54.69	54.69	54.69	54.72	54.75	54.81	54.73	54.78	54.83	54.77	54.70	54.54	54.53	54.63	54.70	54.78	54.73	54.74	56.02	53.77
cut/fill to prop. subgrade	-0.34	-0.45	-0.25	-0.63	-2.22	-1.52	0.44	1.88	1.74	0.99	0.25	0.13	0.20	1.05	2.16	1.84	1.07	0.30	0.15	0.13	-1.16	1.08
proposed subgrade	54.15	53.98	54.09	53.71	52.12	52.85	54.84	56.35	56.12	55.42	54.72	54.55	54.55	55.24	56.35	56.12	55.42	54.72	54.53	54.52	54.51	54.50
design level	54.55	54.38	54.49	54.11	52.52	53.24	55.18	56.65	56.42	55.72	55.02	54.85	54.85	55.54	56.65	56.42	55.72	55.02	54.80	54.68	54.25	53.51
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	108.37

SENIOR LIVING to HARNESS SW POND



VERT EXAG 1:1
Datum 45.000

existing level	55.29	55.33	55.37	55.52	55.38	55.36	55.24	55.16	55.02	55.11	55.06	55.07	55.00	55.13	55.13	55.13	55.04
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.28	0.00
existing subgrade level	55.29	55.33	55.37	55.52	55.38	55.36	55.24	55.16	55.02	55.11	55.06	55.07	55.00	55.13	55.13	55.13	55.04
cut/fill to prop. subgrade	0.14	0.12	0.15	0.10	0.25	0.12	0.10	0.03	0.03	-0.21	-0.32	0.03	-0.05	0.33	0.28	0.22	0.00
proposed subgrade	55.08	55.10	55.18	55.27	55.29	55.14	54.99	54.84	54.69	54.54	54.40	54.75	54.60	55.10	55.06	55.07	55.04
design level	55.48	55.50	55.58	55.67	55.69	55.54	55.39	55.24	55.09	54.94	54.80	55.15	55.00	55.50	55.46	55.18	55.04
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00

SENIOR LIVING to KAHIKATEA

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

Contractor

BCD GROUP

Sheet: **SITE SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

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

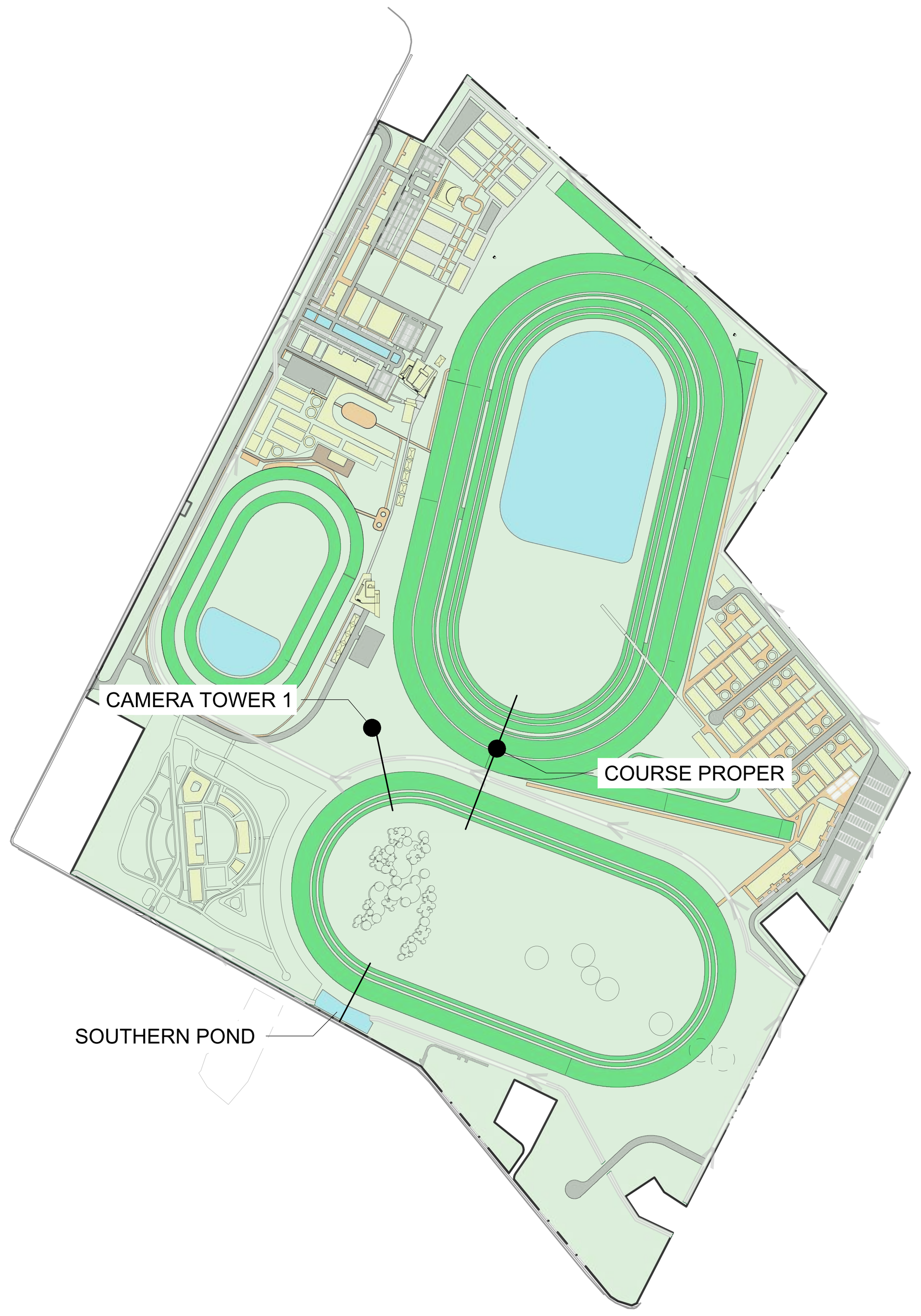
Drawn: BF — Scale: 1:500 at A1

Engineer: BCD

Job No: 23-1883 — Sheet No: C-253 — Revision: 2

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

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Section Location Plan

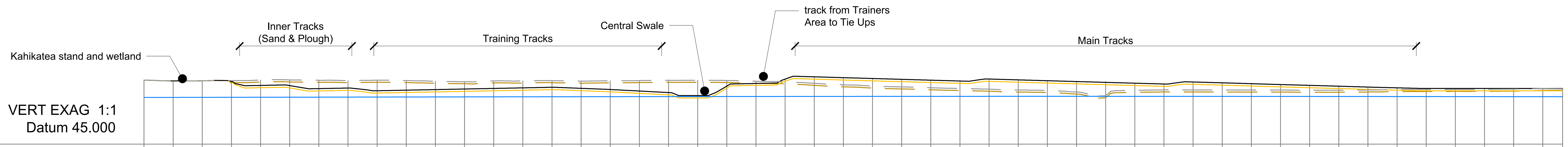
scale 1:10,000

Notes:

- Levels in terms of NZVD 2016
- Groundwater levels shown were measured by BCD Group on 14/09/2026 and represent the highest groundwater level recorded on site since monitoring commenced
- Topsoil depth based on average of results from geotechnical testing

Legend

- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured



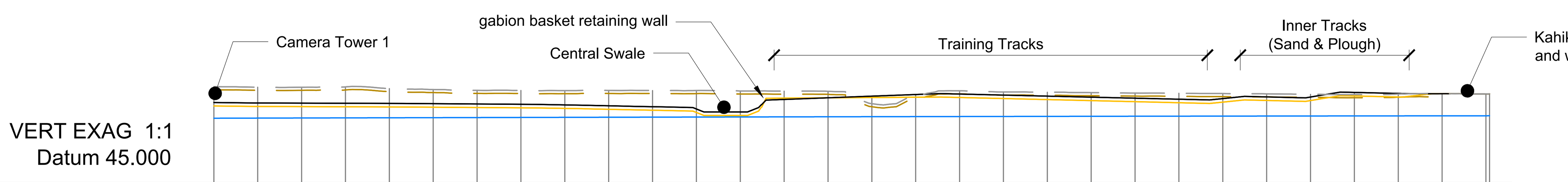
existing level	55.86	55.88	55.92	56.01	56.02	55.97	55.91	55.98	55.92	55.82	55.72	55.86
topsoil depth	0.00	0.00	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	55.86	55.88	55.92	56.01	56.02	55.97	55.91	55.98	55.92	55.82	55.72	55.86
cut/fill to prop. subgrade	0.00	0.00	0.06	-0.98	-1.02	-1.48	-1.33	-1.87	-1.71	-1.50	-1.31	-1.34
proposed subgrade	55.86	55.88	55.63	54.68	54.65	54.13	54.23	53.77	53.87	53.97	54.07	54.17
design level	55.86	55.88	55.72	55.08	55.05	54.53	54.63	54.17	54.27	54.37	54.47	54.57
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00

existing level	55.85	55.89	55.82	55.87	55.91	55.96	55.97	55.93	55.80	55.70	55.44	55.19
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	55.85	55.89	55.82	55.87	55.91	55.96	55.97	55.93	55.80	55.70	55.44	55.19
cut/fill to prop. subgrade	-1.24	-1.18	-1.28	-1.54	-1.84	-2.16	-2.69	-0.96	-0.36	0.45	1.07	1.17
proposed subgrade	54.27	54.37	54.18	53.98	53.72	53.46	52.93	54.62	55.09	55.80	56.16	56.01
design level	54.67	54.77	54.58	54.38	54.12	53.86	53.33	54.97	55.42	56.17	56.56	56.41
distance	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00

existing level	54.97	54.83	54.69	54.56	54.44	54.30	54.20	53.95	53.35	54.24	54.31	54.30
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.97	54.83	54.69	54.56	54.44	54.30	54.20	53.95	53.35	54.24	54.31	54.30
cut/fill to prop. subgrade	1.25	1.25	1.24	1.23	1.70	1.69	1.64	1.75	2.21	1.17	0.96	1.32
proposed subgrade	55.87	55.73	55.58	55.44	55.79	55.64	55.49	55.35	55.20	55.06	54.92	55.27
design level	56.27	56.13	55.98	55.84	56.19	56.04	55.89	55.75	55.60	55.46	55.32	55.67
distance	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00

existing level	54.30	54.29	54.29	54.25	54.27	54.30	54.36	54.39	54.41	54.41	54.45	54.56	54.59
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.30	54.29	54.29	54.25	54.27	54.30	54.36	54.39	54.41	54.41	54.45	54.56	54.59
cut/fill to prop. subgrade	1.18	1.04	0.89	0.79	0.63	0.45	0.25	0.11	0.09	0.09	0.05	-0.06	-0.09
proposed subgrade	55.13	54.98	54.83	54.69	54.55	54.40	54.27	54.15	54.15	54.15	54.15	54.15	54.15
design level	55.53	55.38	55.23	55.09	54.95	54.80	54.67	54.55	54.55	54.55	54.55	54.55	54.55
distance	185.00	190.00	195.00	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	243.39

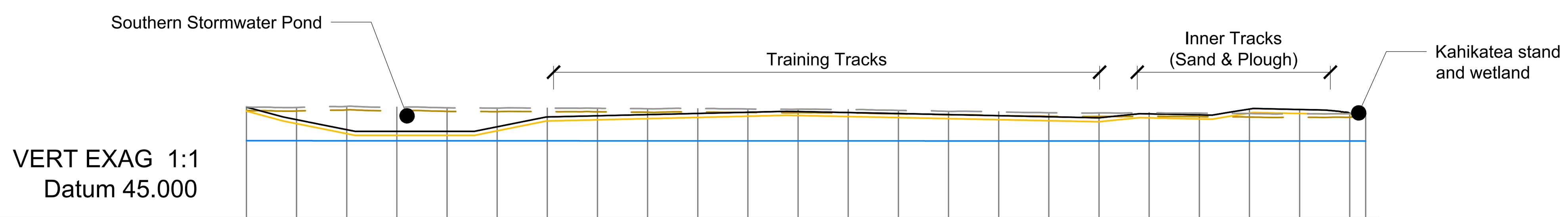
KAHIKATEA to COURSE PROPER



existing level	55.87	55.85	55.90	55.71	55.60	55.50	55.49	55.47	55.49	55.48	55.48	55.43	55.42	55.40
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	55.87	55.85	55.90	55.71	55.60	55.50	55.49	55.47	55.49	55.48	55.48	55.43	55.42	55.40
cut/fill to prop. subgrade	-1.85	-1.86	-1.92	-1.75	-1.67	-1.60	-1.63	-1.68	-1.80	-1.89	-2.15	-2.43	-0.45	-0.40
proposed subgrade	53.67	53.65	53.63	53.61	53.58	53.55	53.51	53.44	53.34	53.24	52.98	52.65	54.62	54.65
design level	54.07	54.05	54.03	54.01	53.98	53.95	53.91	53.84	53.74	53.64	53.38	53.05	54.47	54.66
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00

existing level	53.99	54.70	55.45	55.31	55.29	55.24	55.19	55.17	55.15	55.10	55.04	55.01	55.08	55.12	55.09	55.10
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	0.00	0.00	0.00
existing subgrade level	53.99	54.70	55.45	55.31	55.29	55.24	55.19	55.17	55.15	55.10	55.04	55.01	55.08	55.12	55.09	55.10
cut/fill to prop. subgrade	1.05	0.37	-0.42	-0.39	-0.50	-0.56	-0.63	-0.73	-0.63	-0.40	-0.35	0.20	0.02	0.00	0.00	0.00
proposed subgrade	54.68	54.72	54.69	54.57	54.45	54.33	54.21	54.09	54.16	54.35	54.34	54.87	54.75	55.12	55.09	55.10
design level	54.84	55.03	55.09	54.97	54.85	54.73	54.61	54.49	54.56	54.75	54.74	55.27	55.15	55.12	55.09	55.10
distance	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	145.41

BACK TRACK - CAMERA TOWER 1 to KAHIKATEA



existing level	55.98	56.09	56.01	55.94	55.91	55.91	55.90	55.85	55.84	55.82	55.81	55.76
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	55.98	56.09	56.01	55.94	55.91	55.91	55.90	55.85	55.84	55.82	55.81	55.76
cut/fill to prop. subgrade	-1.26	-2.37	-2.46	-2.39	-1.91	-0.93	-0.80	-0.64	-0.51	-0.37	-0.29	-0.34
proposed subgrade	54.36	53.37	53.20	53.20	53.65	54.63	54.75	54.86	54.98	55.10	55.17	55.07
design level	54.76	53.77	53.60	53.60	54.05	55.03	55.15	55.26	55.38	55.50	55.57	55.47
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00

existing level	55.69	55.59	55.55	55.45	55.43	55.45	55.41	55.37	55.33	55.35	55.35
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	0.00
existing subgrade level	55.69	55.59	55.55	55.45	55.43	55.45	55.41	55.37	55.33	55.35	55.35
cut/fill to prop. subgrade	-0.37	-0.38	-0.44	-0.44	-0.53	-0.16	-0.22	0.39	0.39	0.31	0.00
proposed subgrade	54.97	54.86	54.76	54.65	54.55	54.94	54.84	55.41	55.38	55.32	55.35
design level	55.37	55.26	55.16	55.05	54.95	55.34	55.24	55.81	55.78	55.40	55.35
distance	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	111.59

HOOKER to KAHIKATEA via SOUTHERN SW POND

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

Contractor

BCD GROUP

Sheet: **SITE SECTIONS**

Project Title: **WAIKATO THOROUGHBRED RACING**

PENCARROW ROAD, TAMAHERE

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

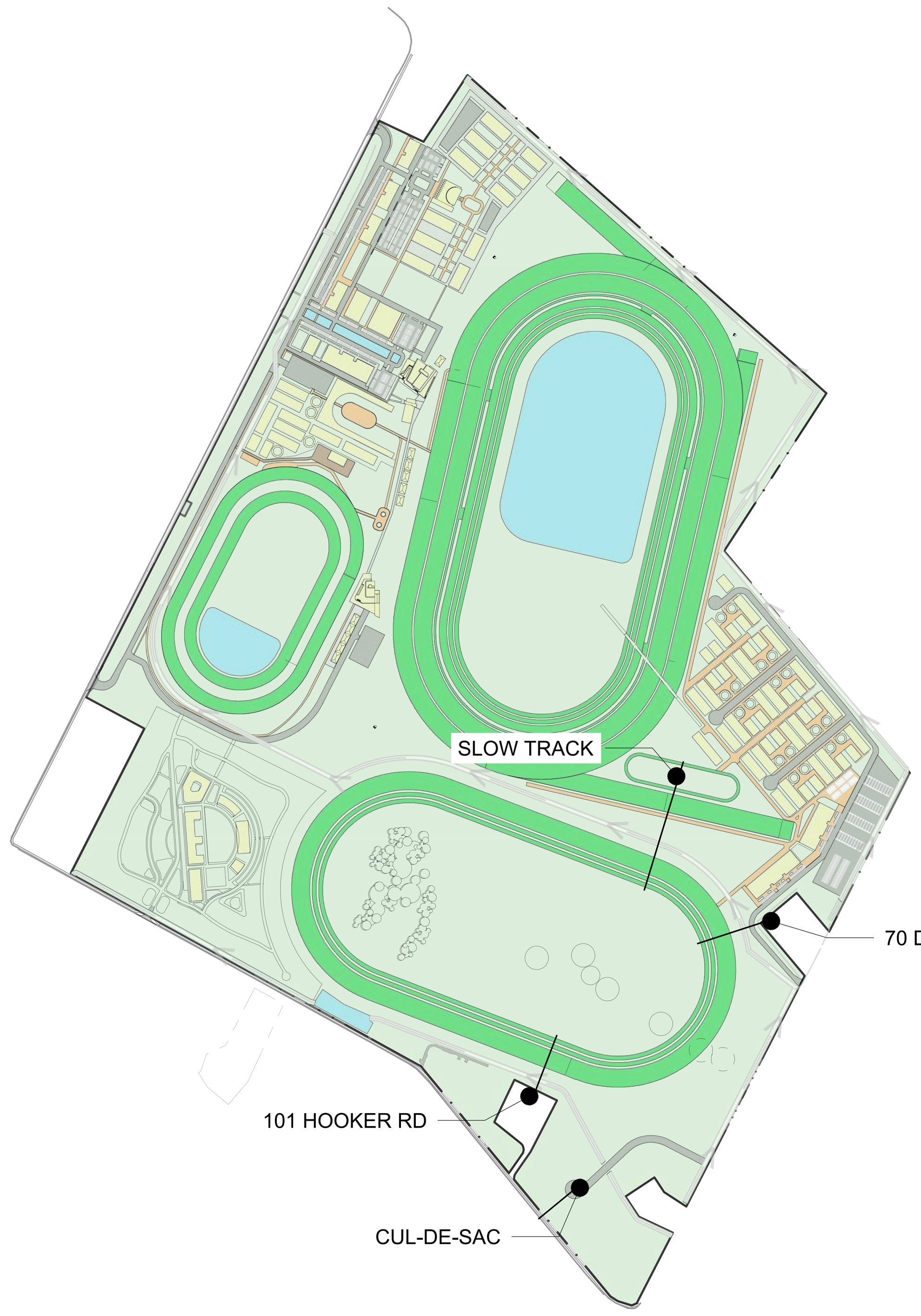
Drawn: BF | Scale: 1:500 | at A1

Engineer: BCD

Job No: 23-1883 | Sheet No: C-254 | Revision 2

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

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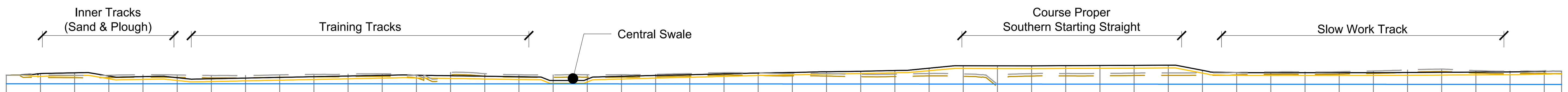
Section Location Plan
scale 1:10,000

Notes:

- Levels in terms of NZVD 2016
- Groundwater levels shown were measured by BCD Group on 14/09/2026 and represent the highest groundwater level recorded on site since monitoring commenced
- Topsoil depth based on average of results from geotechnical testing

Legend

- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured

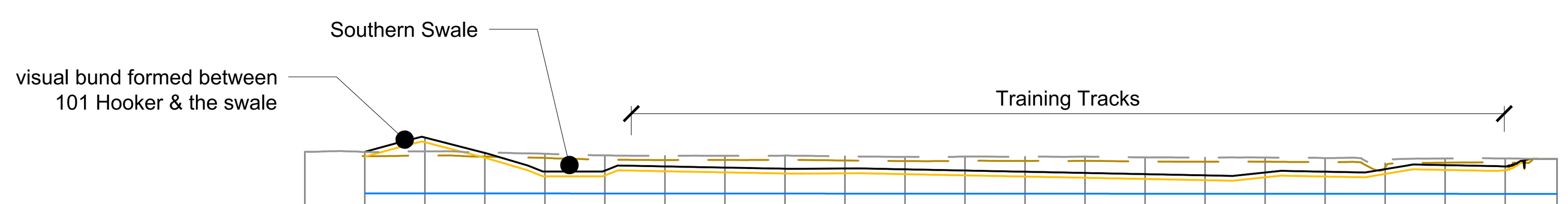


VERT EXAG 1:1
Datum 45.000

existing level	54.62	54.57	54.58	54.64	54.62	54.55	54.55	54.64	54.71	54.75	54.79	54.55	55.00	54.81	54.65	54.63	54.65	54.66	54.71	54.82	54.96	54.91	54.84
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.62	54.57	54.58	54.64	54.62	54.55	54.55	54.64	54.71	54.75	54.79	54.55	55.00	54.81	54.65	54.63	54.65	54.66	54.71	54.82	54.96	54.91	54.84
cut/fill to prop. subgrade	0.16	0.31	-0.15	-0.31	-0.44	-0.53	-0.43	-0.42	-0.39	-0.33	-0.27	-0.01	-0.54	-0.42	-0.34	-0.86	-0.69	-0.27	-0.19	-0.18	-0.19	-0.01	0.15
proposed subgrade	54.43	54.53	54.07	53.98	53.83	53.67	53.77	53.87	53.97	54.07	54.17	54.19	54.11	54.04	53.97	53.42	53.61	54.04	54.18	54.29	54.42	54.55	54.64
design level	54.83	54.93	54.47	54.38	54.23	54.07	54.17	54.27	54.37	54.47	54.57	54.59	54.51	54.44	54.37	53.82	54.01	54.43	54.56	54.66	54.78	54.90	54.99
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00

existing level	54.82	54.73	54.74	54.84	54.78	53.48	54.82	54.84	54.85	54.90	54.91	54.94	54.99	55.06	55.06	55.09	55.21	55.34	55.47	55.26	55.17	55.24	55.18
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.82	54.73	54.74	54.84	54.78	53.48	54.82	54.84	54.85	54.90	54.91	54.94	54.99	55.06	55.06	55.09	55.21	55.34	55.47	55.26	55.17	55.24	55.18
cut/fill to prop. subgrade	0.29	0.46	0.55	0.76	1.14	2.43	1.08	1.09	1.10	1.08	1.08	0.31	-0.07	-0.17	-0.16	-0.20	-0.31	-0.41	-0.51	-0.26	-0.15	-0.14	-0.06
proposed subgrade	54.76	54.84	54.94	55.25	55.57	55.56	55.55	55.58	55.60	55.62	55.65	54.90	54.57	54.55	54.55	54.55	54.55	54.58	54.61	54.64	54.67	54.75	54.77
design level	55.09	55.17	55.27	55.61	55.97	55.96	55.95	55.98	56.00	56.02	56.05	55.30	54.97	54.95	54.95	54.95	54.95	54.98	55.01	55.04	55.07	55.15	55.17
distance	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00	185.00	190.00	195.00	200.00	205.00	210.00	215.00	220.00	225.00	227.55

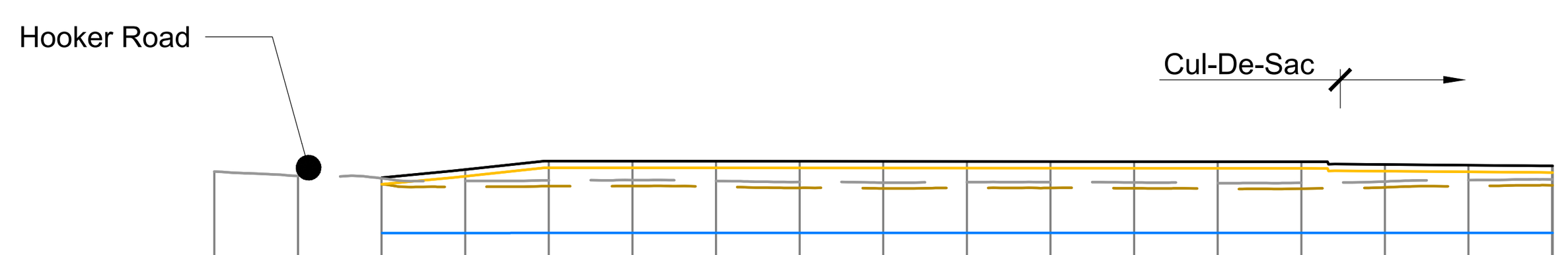
BACKTRACK to SLOW TRACK



VERT EXAG 1:1
Datum 45.000

existing level	56.72	56.77	56.68	56.58	56.44	56.40	56.41	56.42	56.36	56.32	56.34	56.32	56.33	56.27	56.26	56.26	56.22	55.78	56.18	56.18	56.14
topsoil depth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
existing subgrade level	56.37	56.42	56.33	56.23	56.09	56.05	56.06	56.07	56.01	55.97	55.99	55.97	55.98	55.92	55.91	55.91	55.87	55.44	55.83	55.83	56.14
cut/fill to prop. subgrade		1.11	-0.09	-1.53	-1.33	-0.93	-1.04	-1.15	-1.07	-1.09	-1.21	-1.30	-1.41	-1.44	-1.54	-1.30	-1.20	-0.55	-0.61	-0.63	0.00
proposed subgrade		57.54	56.24	54.69	54.76	55.12	55.02	54.93	54.94	54.87	54.77	54.67	54.57	54.47	54.37	54.61	54.67	54.89	55.22	55.21	56.14
design level		57.94	56.64	55.09	55.16	55.52	55.42	55.33	55.34	55.27	55.17	55.07	54.97	54.87	54.77	55.01	55.07	55.29	55.62	55.52	56.14
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	104.32

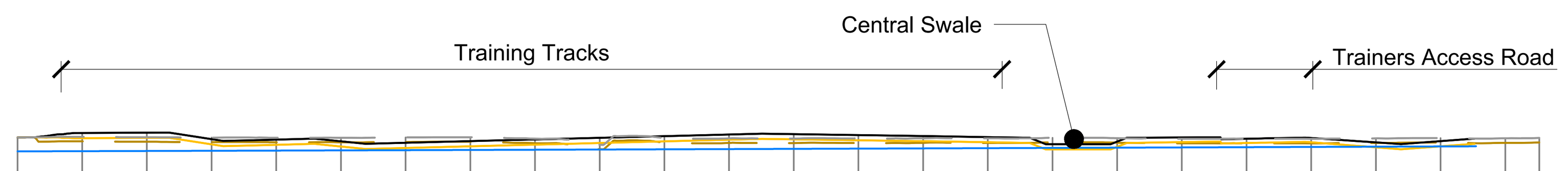
101 HOOKER RD to BACKTRACK



VERT EXAG 1:1
Datum 45.000

existing level	56.80	56.66	56.50	56.54	56.55	56.50	56.43	56.40	56.43	56.43	56.41	56.37	56.39	56.46	56.55	56.59
topsoil depth			-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level 57.07	56.80	56.66	56.50	56.54	56.55	56.50	56.43	56.40	56.43	56.43	56.41	56.37	56.39	56.46	56.55	56.59
cut/fill to prop. subgrade			0.63	1.10	1.08	1.13	1.19	1.22	1.18	1.18	1.20	1.23	1.21	0.97	0.84	0.76
proposed subgrade			56.78	57.29	57.28	57.28	57.27	57.27	57.27	57.26	57.26	57.25	57.25	57.08	57.04	57.00
design level			57.18	57.69	57.68	57.68	57.67	57.67	57.67	57.66	57.66	57.65	57.65	57.48	57.44	57.40
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00

RURAL RESI - HOOKER RD to CUL-DE-SAC



VERT EXAG 1:1
Datum 45.000

existing level	54.72	54.69	54.66	54.65	54.65	54.67	54.69	54.58	54.11	54.62	54.60	54.58	54.60	54.60	54.60	54.65	54.62	54.57	54.57	54.57	54.60	54.63	54.61	54.64
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.72	54.69	54.66	54.65	54.65	54.67	54.69	54.58	54.11	54.62	54.60	54.58	54.60	54.60	54.60	54.65	54.62	54.57	54.57	54.57	54.60	54.63	54.61	54.64
cut/fill to prop. subgrade	0.25	0.31	-0.17	-0.19	-0.32	-0.46	-0.35	-0.11	0.48	0.10	0.25	0.29	0.21	0.13	0.05	-0.55	-0.31	0.09	0.02	0.08	-0.35	-0.29	-0.05	
proposed subgrade	54.62	54.64	54.14	54.10	53.97	53.86	53.99	54.11	54.24	54.37	54.50	54.53	54.45	54.38	54.30	53.75	53.95	54.31	54.24	54.30	53.91	53.99	54.18	
design level	55.02	55.04	54.54	54.50	54.37	54.26	54.39	54.51	54.64	54.77	54.90	54.93	54.85	54.78	54.70	54.15	54.35	54.67	54.57	54.63	54.29	54.39	54.58	
distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	117.62

BACKTRACK to 70 DUNCAN RD

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

Contractor

BCD GROUP

Sheet: **SITE SECTIONS**

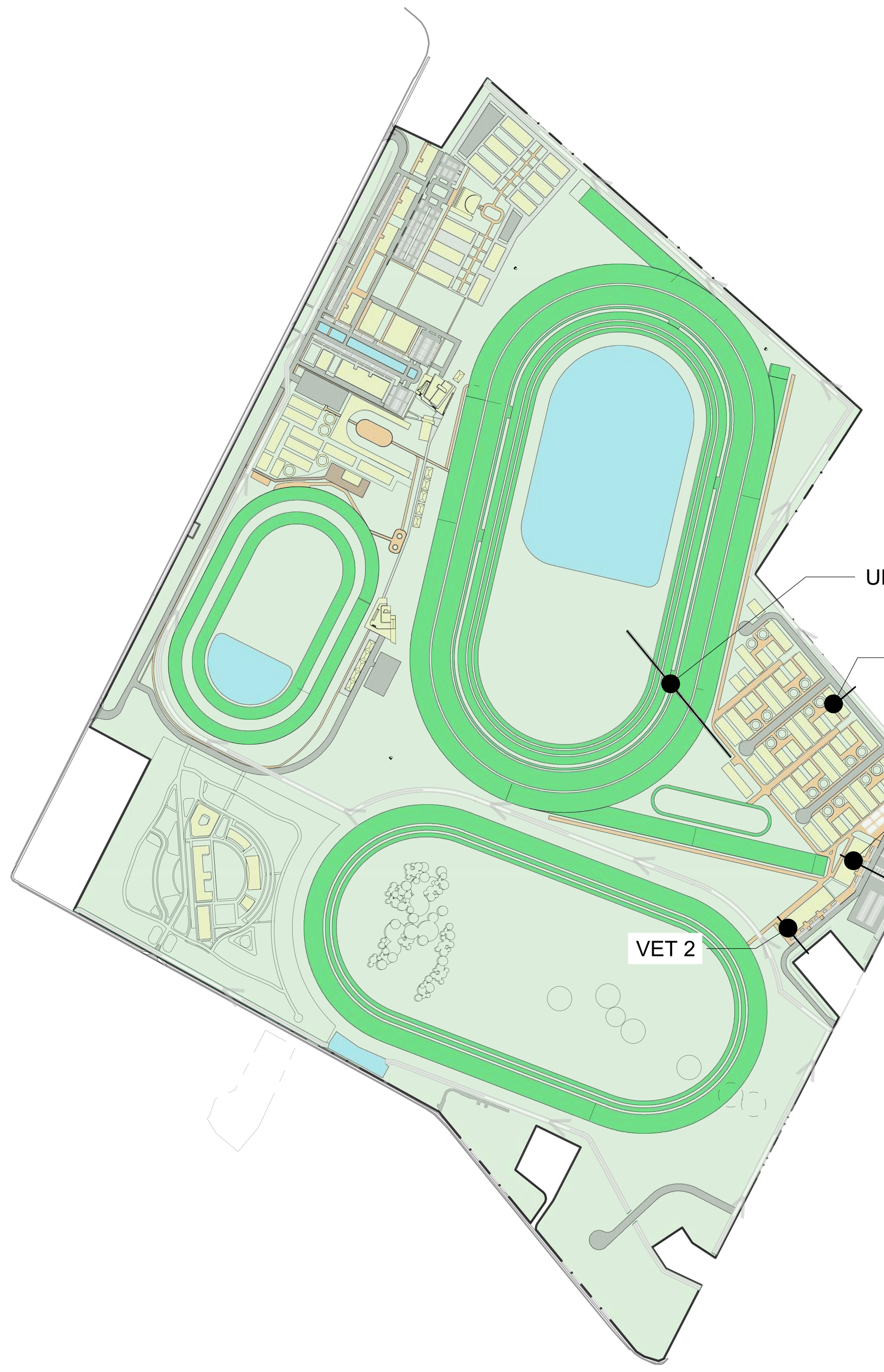
Project Title: **WAIKATO THOROUGHBRED RACING**
PENCARROW ROAD, TAMAHERE

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

Drawn: BF — Scale: 1:500 at A1
Engineer: BCD
Job No: 23-1883 — Sheet No: C-255 — Revision: 2

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

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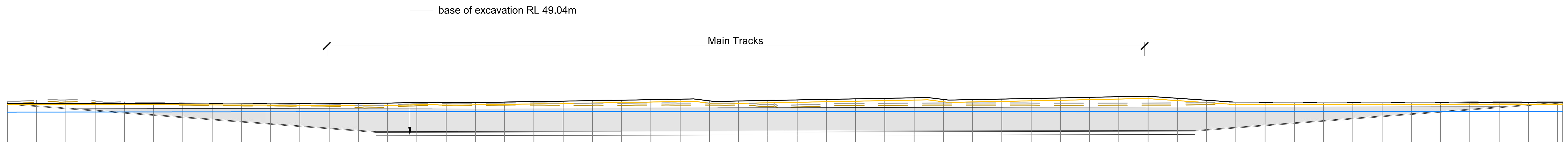
Section Location Plan
scale 1:10,000

Notes:

- Levels in terms of NZVD 2016
- Groundwater levels shown were measured by BCD Group on 14/09/2026 and represent the highest groundwater level recorded on site since monitoring commenced
- Topsoil depth based on average of results from geotechnical testing

Legend

- existing ground
- existing subgrade
- proposed ground
- proposed subgrade+
- max groundwater measured



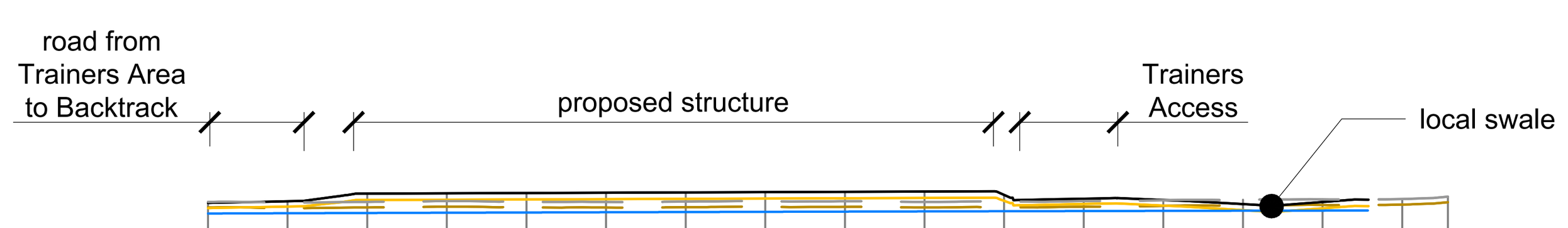
VERT EXAG 1:1
Datum 45.000

distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00
existing level	55.09	55.17	55.01	54.83	54.71	54.64	54.58	54.50	54.50	54.47	54.45	54.22	54.34	54.50	54.59	54.62	54.64	54.64
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.74	54.82	54.66	54.48	54.36	54.29	54.23	54.15	54.15	54.12	54.10	53.87	53.99	54.15	54.24	54.27	54.29	54.29
cut/fill to prop. subgrade	-0.70	-0.80	-0.65	-0.48	-0.37	-0.32	-0.28	-0.21	-0.22	-0.21	-0.20	0.02	-0.11	-0.18	-0.29	-0.29	-0.24	-0.16
proposed subgrade	54.38	54.37	54.36	54.35	54.33	54.32	54.31	54.29	54.28	54.27	54.25	54.24	54.23	54.33	54.30	54.33	54.40	54.48
design level	54.56	54.56	54.55	54.55	54.55	54.55	54.55	54.55	54.55	54.55	54.55	54.59	54.63	54.73	54.70	54.73	54.80	54.88

distance	95.00	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	155.00	160.00	165.00	170.00	175.00	180.00
existing level	54.61	54.62	54.60	54.64	54.63	54.64	54.63	54.40	54.31	54.49	54.56	54.60	54.63	54.64	54.64	54.64	54.64	54.61
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.26	54.27	54.25	54.29	54.28	54.29	54.28	54.05	53.96	54.14	54.21	54.25	54.28	54.29	54.29	54.29	54.29	54.26
cut/fill to prop. subgrade	-0.05	0.02	0.12	0.17	0.27	-0.03	-0.05	0.28	0.46	0.37	0.39	0.45	0.51	0.21	0.18	0.27	0.38	0.50
proposed subgrade	54.56	54.64	54.72	54.81	54.90	54.61	54.58	54.67	54.77	54.86	54.95	55.04	55.14	54.86	54.82	54.92	55.01	55.11
design level	54.96	55.04	55.12	55.21	55.30	55.01	54.98	55.07	55.17	55.26	55.35	55.44	55.54	55.26	55.22	55.32	55.41	55.51

distance	185.00	190.00	195.00	200.00	205.00	210.00	215.00	220.00	225.00	230.00	235.00	240.00	245.00	250.00	255.00	260.00	265.00	265.88
existing level	54.62	54.63	54.64	54.65	54.68	54.71	54.73	54.72	54.70	54.72	54.73	54.75	54.77	54.82	54.82	54.82	54.81	54.82
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.27	54.28	54.29	54.30	54.33	54.36	54.38	54.37	54.35	54.37	54.38	54.40	54.42	54.47	54.47	54.47	54.46 54.47	
cut/fill to prop. subgrade	0.59	0.69	0.76	0.41	0.03	-0.33	-0.38	-0.34	-0.32	-0.34	-0.35	-0.37	-0.38	-0.43	-0.43	-0.42	-0.42 -0.42	
proposed subgrade	55.22	55.32	55.40	55.05	54.71	54.38	54.35	54.38	54.38	54.38	54.38	54.38	54.38	54.39	54.39	54.39	54.40	54.40
design level	55.62	55.72	55.80	55.45	55.11	54.78	54.75	54.74	54.74	54.74	54.74	54.74	54.75	54.75	54.75	54.76	54.76 54.76	

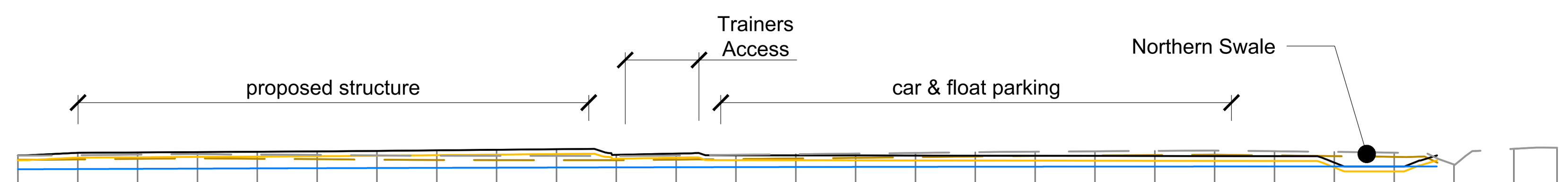
UNDERPASS BENEATH COURSE PROPER



VERT EXAG 1:1
Datum 45.000

distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00
existing level	54.58	54.63	54.68	54.64	54.62	54.65	54.69	54.66	54.63	54.64	54.68	54.73	54.76	54.78	54.81
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.23	54.28	54.33	54.29	54.27	54.30	54.34	54.31	54.28	54.29	54.33	54.38	54.41	54.43	54.46
cut/fill to prop. subgrade	0.10	0.46	0.43	0.49	0.53	0.52	0.50	0.54	0.60	0.40	0.17	0.02	-0.31	-0.21	
proposed subgrade	54.34	54.74	54.76	54.78	54.80	54.82	54.84	54.85	54.87	54.69	54.49	54.40	54.10	54.22	
design level	54.67	55.14	55.16	55.18	55.20	55.22	55.24	55.25	55.27	55.06	54.82	54.75	54.49	54.62	

VET 2 to 70 DUNCAN RD

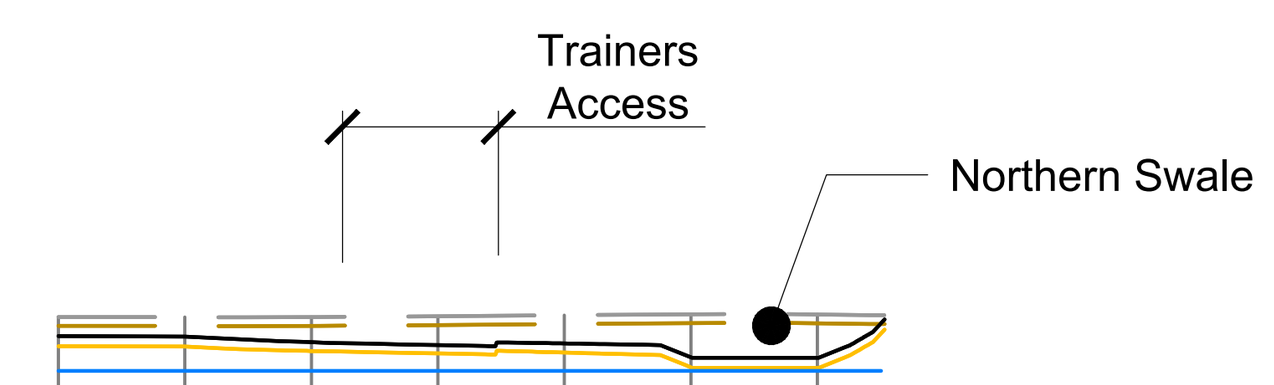


VERT EXAG 1:1
Datum 45.000

distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00
existing level	55.30	55.35	55.39	55.35	55.32	55.28	55.25	55.25	55.24	55.23	55.28	55.33	55.38
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
existing subgrade level	54.95	55.00	55.04	55.00	54.97	54.93	54.90	54.90	54.89	54.88	54.93	54.98	55.03
cut/fill to prop. subgrade	0.15	0.13	0.12	0.19	0.25	0.33	0.40	0.45	0.51	0.12	0.17	-0.08	-0.14
proposed subgrade	55.10	55.13	55.16	55.19	55.22	55.26	55.30	55.35	55.40	55.00	55.10	54.89	54.89
design level	55.50	55.53	55.56	55.59	55.62	55.66	55.70	55.75	55.80	55.33	55.43	55.29	55.29

distance	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00	128.61
existing level	55.43	55.48	55.54	55.59	55.63	55.66	55.69	55.63	55.58	55.51	54.52	55.83	55.92
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35		
existing subgrade level	55.08	55.13	55.19	55.24	55.28	55.31	55.34	55.28	55.23	55.16	54.68		
cut/fill to prop. subgrade	-0.20	-0.27	-0.34	-0.39	-0.44	-0.48	-0.51	-0.46	-0.94	-1.21	0.19		
proposed subgrade	54.88	54.87	54.86	54.85	54.84	54.83	54.83	54.82	54.28	53.95	54.88		
design level	55.28	55.27	55.26	55.25	55.24	55.23	55.23	55.22	54.68	54.35	55.28		

VET 1 to DUNCAN ROAD



VERT EXAG 1:1
Datum 45.000

distance	5.00	10.00	15.00	20.00	25.00	30.00	35.00	37.653
existing level	55.52	55.52	55.55	55.59	55.63	55.62		
topsoil depth	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35		
existing subgrade level	55.52	55.52	55.55	55.59	55.63	55.62		
cut/fill to prop. subgrade	-0.82	-0.99	-1.12	-1.12	-1.75	-1.76		
proposed subgrade	54.35	54.18	54.08	54.12	53.53	53.51		
design level	54.75	54.52	54.41	54.48	53.93	53.91		

TRAINERS AREA - NE BOUNDARY

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

Contractor

BCD GROUP

Sheet: **SITE SECTIONS**

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

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

Drawn: BF Scale: 1:500 at A1
Engineer: BCD
Job No: 23-1883 Sheet No: C-256 Revision 2

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

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