Notes:

See drawing KNC2114-506-02
for additional pond sections

Legend:

PS1 — Type 3 foul drainage pumping station(see Drg. no 501-03 for details

Tank 1.5 x 8.0 x 0.8 — 'Aquacell' surface water storage tank designed to cater for 1 in 100yr storm return + 45% CC and catering for 10% increase for 'urban creep', Limited discharge of 0.3lits/sec through Permavoid flow control

FFL: 11.60 — Proposed Finished Floor Level

10.40+ — Proposed Garden Level (may be adjusted subject to discussion with Engineer)

S — Step 150mm or 75mm

Tree root protection line

1500mm post & rail fence around headwalls

Formpave fin drain

Swale & Attenuation pond planting in conjunction with landscape architect details

Attenuation Basin

Pond Bed Level 18.075

Top Water Level 18.85

Access Buffer Zone

Headwall H1 containing HydroBrake restricting outflow to 9.8lits/sec

Formpave fin drain to disperse surface water run off to overland flow through grassed area

Plot 32 surface water drainage attenuation. 100yrs storm + 45%CC. 8.4 m³ storage discharge at 0.3 l/s

Footpath Link

ROAD 3

Bank Slope 1:3.0

Swale A Bed

Swale B Bed

Swale A Base

Swale B Base

Flat Grass Area for Water Storage

Flat Grass Area for Water Storage

Flat Grass Area for Water Storage

Flat Grass Area for Water Storage

Tank 1.5 x 8.0 x 0.8

FFL: 21.275

FFL: 20.950

FFL: 20.900

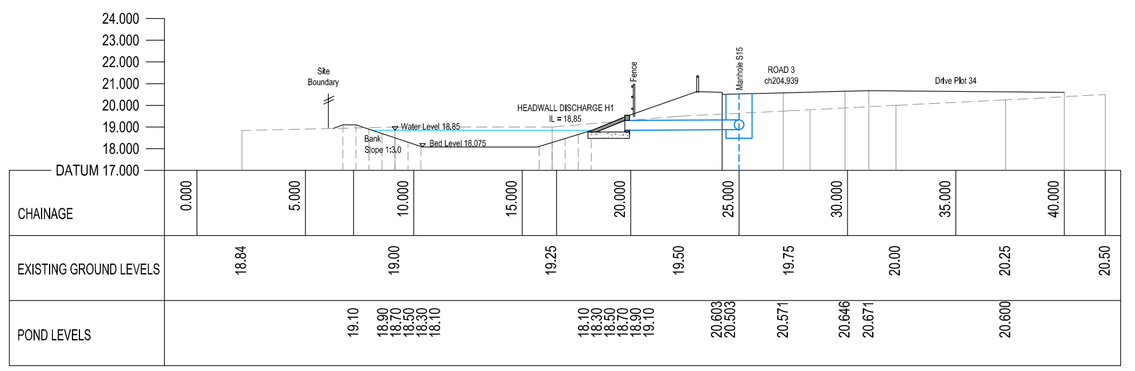
FFL: 20.500

FFL: 20.500

FFL: 20.650

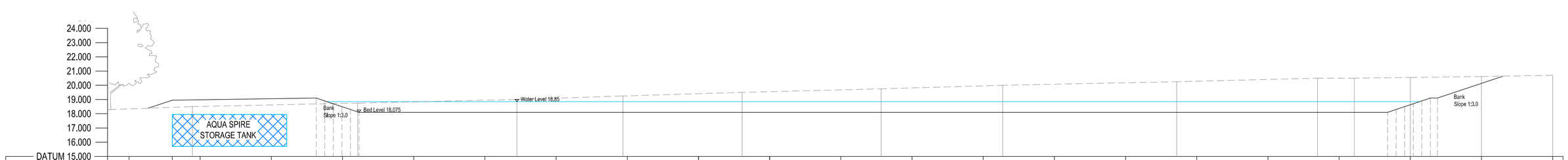
Attenuation Pond Plan:
Scale 1:200

0m 10m 20m 30m
1:200



CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000
EXISTING GROUND LEVELS	18.84	19.00	19.25	19.50	19.75	20.00	20.25	20.50	
POND LEVELS	19.10 18.90 18.70 18.50 18.30 18.10			18.10 18.30 18.50 18.70 18.90 19.10		20.603 20.503	20.571	20.646 20.671	20.600

SECTION B-B



CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	75.000	80.000	85.000	90.000	95.000	100.000
EXISTING GROUND LEVELS	18.50			18.75		19.00		19.25		19.50		19.75		20.00		20.25		20.50	20.50	20.55	20.62	20.70
POND LEVELS				19.10 18.90 18.70 18.50 18.30 18.10															18.10 18.30 18.50 18.70 18.90 19.10			

SECTION A-A

Rev.	Date	Details	Initials
B	05.01.23	Detailed design	KN
A	16.12.22	Initial issue	KN

Drawing Status: PRELIMINARY FOR TENDER

Project: GRANGE ROAD NETLEY

Client: ELIVIA HOMES

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Drawing Title: Engineering Details Pond Details

Drawn	Checked	Scales	Paper Size	Date
KN		H & V- 1:200	A1	12.22
Job No.		Drawing No.		Revision
KNC2114		506-01		B

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