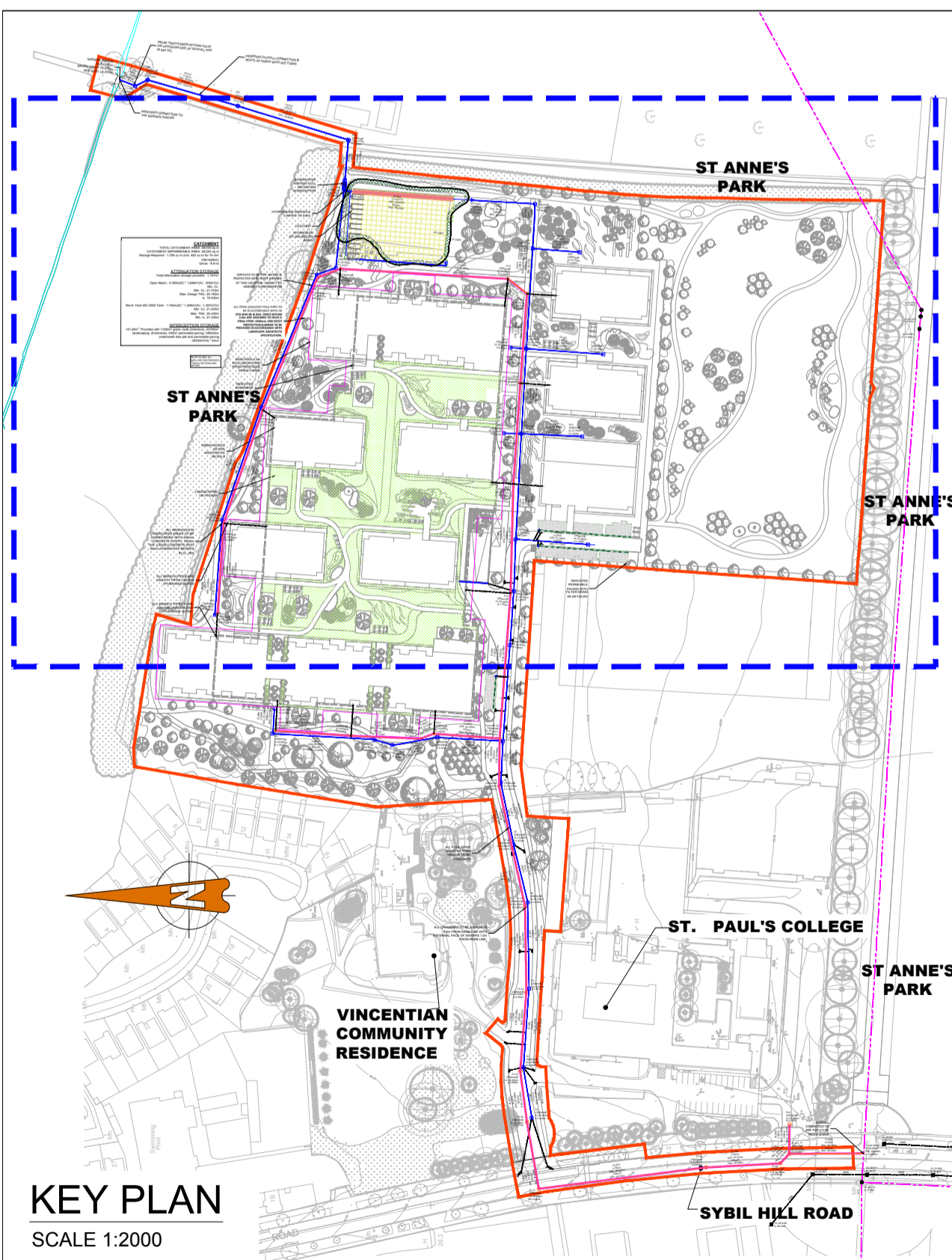
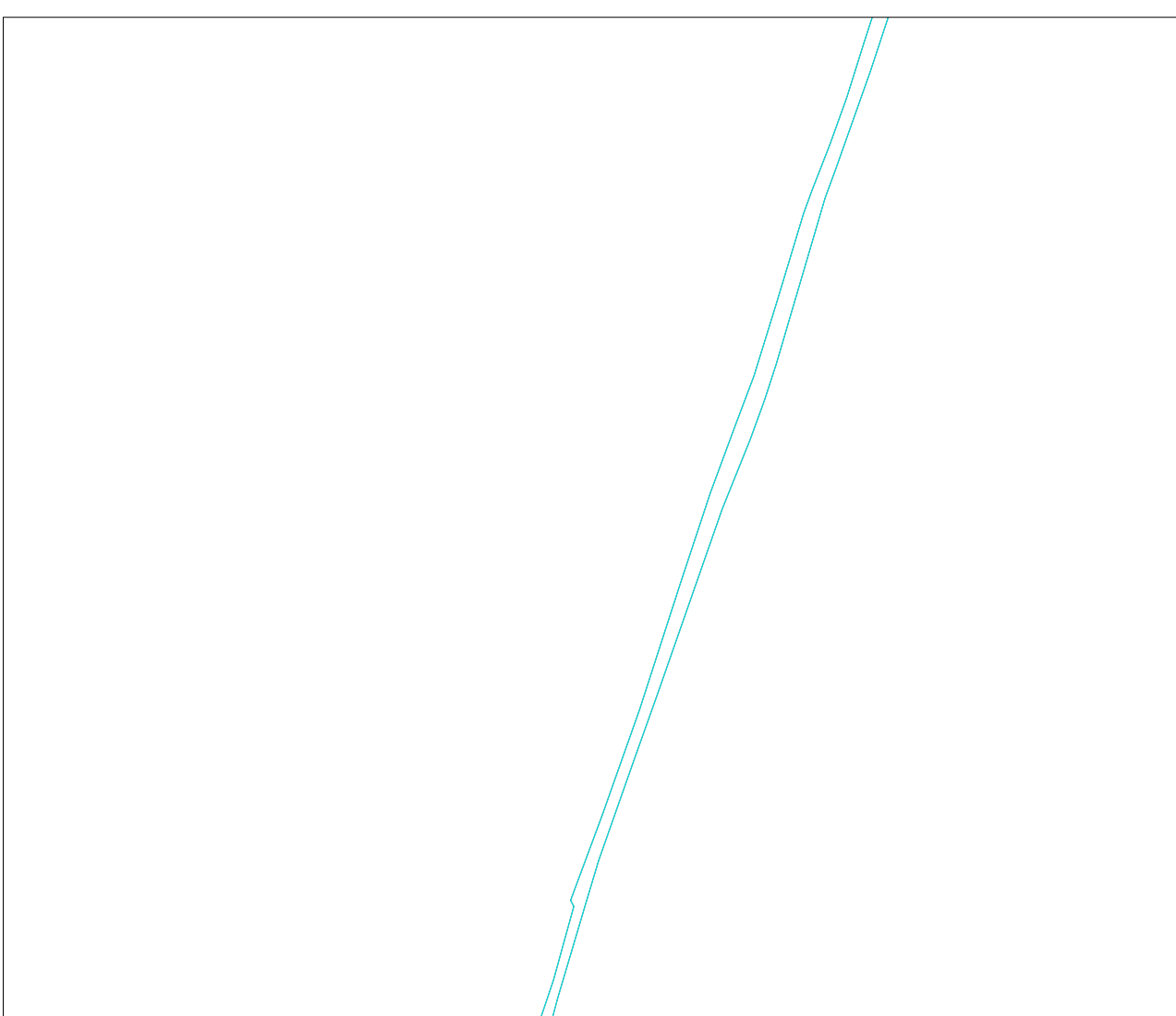
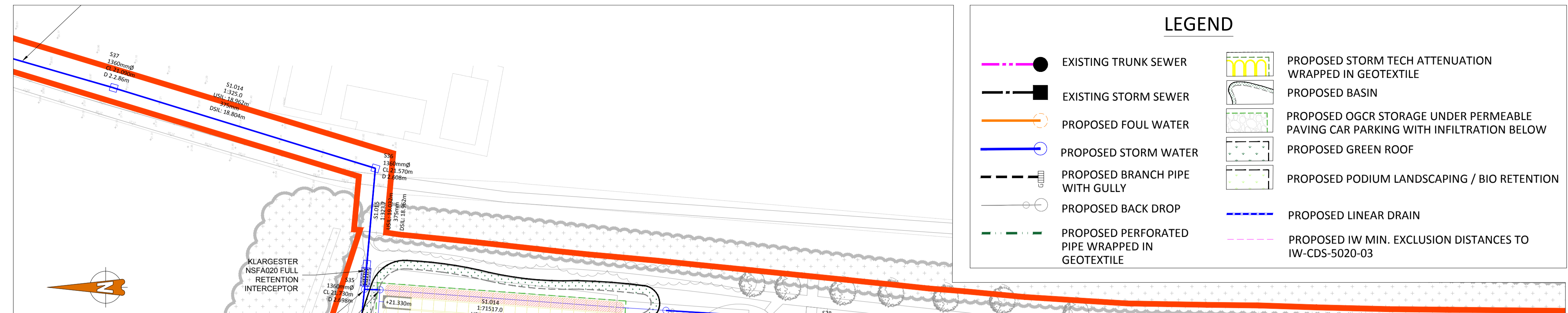


PROPOSED OUTFALL TO THE NANIKEN STREAM
SCALE 1:500



CATCHMENT
TOTAL CATCHMENT AREA: 48,000 sq.m
CATCHMENT IMPERMEABLE AREA: 28,220 sq.m
Storage Required - 1,706 cu.m (incl. 400 cu.m for 10 mm interception)
Q_{max} - 9.6 l/s

ATTENUATION STORAGE
Total Attenuation storage provided - 1,707m³
Open Basin - 0.250m(D) * 1.648m(A) - 400m³(V)
Min. CL: 21.730m
Max. Design TWL: 20.762m
IL: 19.032m

Storm Tech MC-3500 Tank - 1.740m(D) * 1.409m(A) - 1,307m³(V)
Min. CL: 21.330m
Max. TWL: 20.432m
Min. IL: 21.330m

INTERCEPTION STORAGE
141.25m² Provided with 7,000m² green roofs (intensive), 20790m² landscaping (Extensive), 450m² permeable paving, infiltration underneath tree pits and permeable paving - 28240m³(A) * 5mm

REFER TO DRG. NO. N251-H02 FOR PROPOSED TYPICAL SECTIONS AND DETAILS

INDICATES 3.0m EXCLUSION ZONE FROM PROPOSED STRUCTURES

INDICATES BASEMENT OUTER WALL

GREEN ROOFS AS PER ARCHITECTS DETAILS

LANDSCAPING ON PODIUM

ALL MANHOLES IN LANDSCAPES AREAS TO BE SURROUNDED WITH 200mm CONCRETE PLINTH, 100mm THK. C20/25 CONCRETE WITH 20mm AGGREGATE BEDDED IN CL. 804

ALL BRANCH PIPES ARE GRAVITY PIPES UNLESS OTHERWISE NOTED

ALL BRANCH PIPES TO BE 225mm Ø PVC UNLESS OTHERWISE NOTED

SERVICES TO BE PIPE JACKED & PROTECTED WITH ROOT BARRIER AT THIS LOCATION. SUBJECT TO ARBORIST CONFIRMATION

ALL TREES ADJACENT FOUL PIPES TO BE IN ACCORDANCE WITH IW STD-WW-05 & OIA. TREES WITHIN 2.0m ARE ASSUMED TO HAVE A FINAL STEM >600mm AND ROOT PROTECTION BARRIER TO BE PROVIDED IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATION.

INDICATES PERMEABLE PAVING WITH FILTER DRAIN AS DETAILED

INFORMATION ONLY
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

- NOTES**
- For setting out refer to Engineer's drawings.
 - This drawing is to read in conjunction with all other Engineering drawings and all other relevant drawings and Specifications.
 - DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
23/03/2017		ISSUED FOR INFORMATION	JB	AL
A	11/04/2017	REVISED FOR INFORMATION	JB	AL
P1	14/08/2017	ISSUED FOR PLANNING	AF	JB
P2	15/12/2017	ISSUED FOR PLANNING	JS	JB
P3	20/12/2017	ISSUED FOR PLANNING	AF	AH
P4	16/05/2018	ISSUED FOR PLANNING COMPLIANCE	JB	AH
P5	12/04/2019	ISSUED FOR COMPLIANCE	AF	JS
P6	23/05/2019	ISSUED FOR PLANNING	AF	JB
P7	16/08/2019	ISSUED FOR INFORMATION	AB	JS
P8	30/08/2019	ISSUED FOR INFORMATION	MC	JB

Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P9	16/09/2019	ISSUED FOR INFORMATION	RB	JB
P10	18/09/2019	ISSUED FOR INFORMATION	RB	JB
P11	26/09/2019	ISSUED FOR INFORMATION	RB	JB
P12	30/09/2019	ISSUED FOR INFORMATION	MC	JB
P13	14.10.19	REVISED SURFACE WATER LEVELS	DOM	AH

Drn. By	Chkd. By
RB	JB
RB	JB
RB	JB
MC	JB
DOM	AH

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Client: Crekav Trading GP Limited.
Project: St. Paul's Residential Development.

Title: Proposed Drainage Layout Sheet 2 of 2

Drn. By: AB
Chkd. By: JS
Aprd. By: TH
Dwg. No.: N251 -H02
Revision: P13

Date: 15.12.17
Scale: 1:500 (0A1)