

SJR Civil Consulting Pty Ltd

17 July 2023

TO WHOM IT MAY CONCERN

STORMWATER DRAINAGE DESIGN LOT 211 (2931) WEST SWAN ROAD, CAVERSHAM

I am pleased to confirm I have undertaken the design of the stormwater system for the development at the above site in accordance with the requirements of AS/NZS3500-3 and the local authority.

Calculations:

Roof & hardstand area (expansion) = 5,610m²
Runoff = 90%
Equivalent impervious area = 5,049m²
Storage Required (1in10yr ARI, 12min duration) = 5049 x 0.0159 = **80.3m³**
Swale capacity = **100m³** (min)

Overland flow path into adjacent drainage areas.

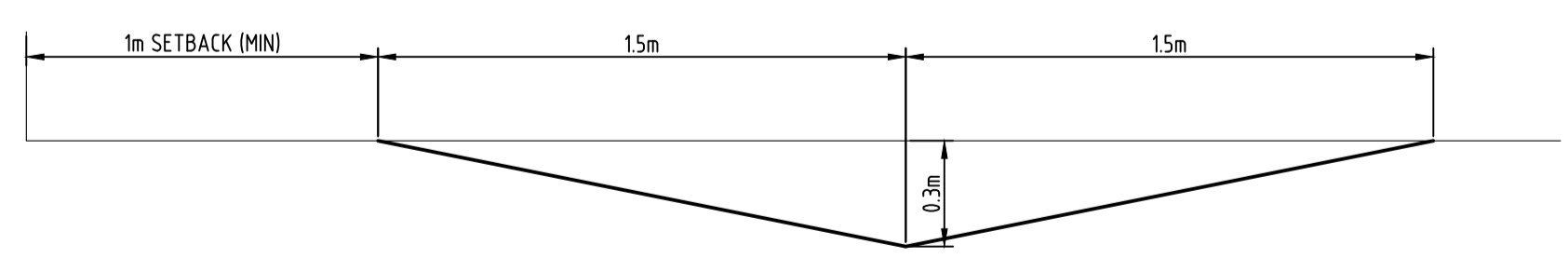
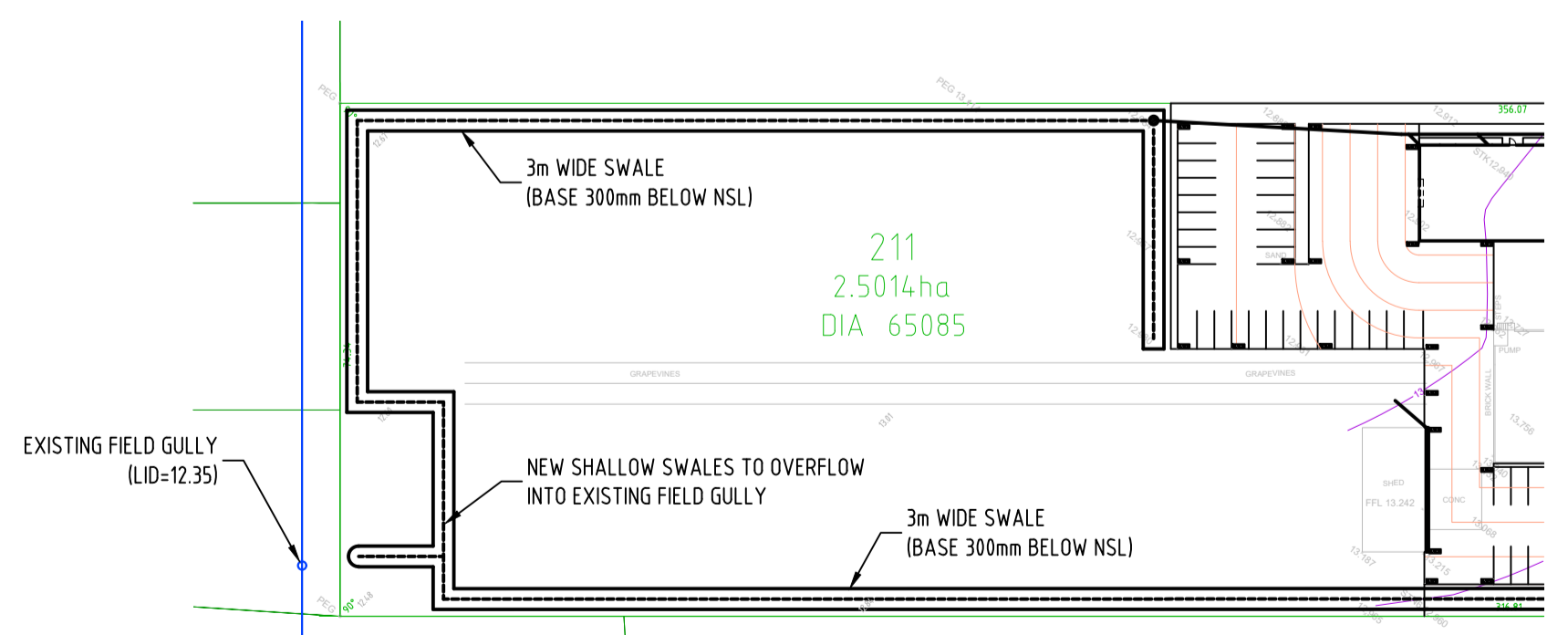
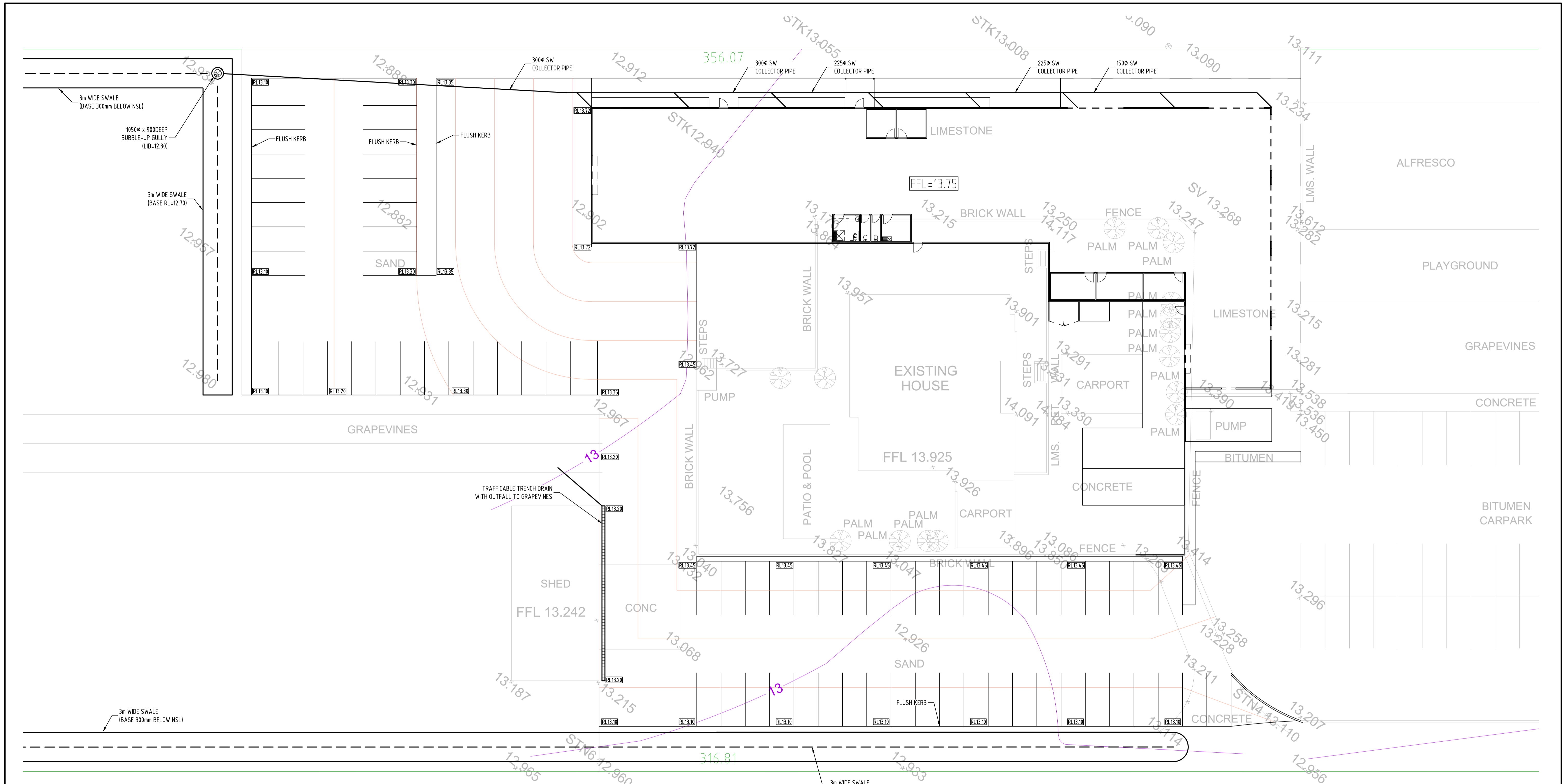
Should there be any queries regarding the calculations or design please contact me.

Regards



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AMENDMENTS	No.	INITIAL	DATE	DESCRIPTION
1	SR		26/7/23	UPDATED TO MATCH ARCHITECTURAL LAYOUT.

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APPROVED _____ DATE _____

S.R. Civil Consulting Pty Ltd
30 North Road
BASSENDEAN WA 6054
Ph: (08) 9379 9481 or 0447 112 481

SCALE: 1:200 (A1)
DATUM: A.H.D.

DESIGNED: STACE ROGERS
DRAWN: STACE ROGERS
CHECKED: STACE ROGERS
DATE DRN: JULY 2023

Lot 211 (2931) West Swan Road, Caversham
Proposed Development Expansion

Stormwater Plan & Details

S.R. Civil Consulting Pty. Ltd.

DRAWING No: **WSR-23-01** AMENDMENT No: **1**