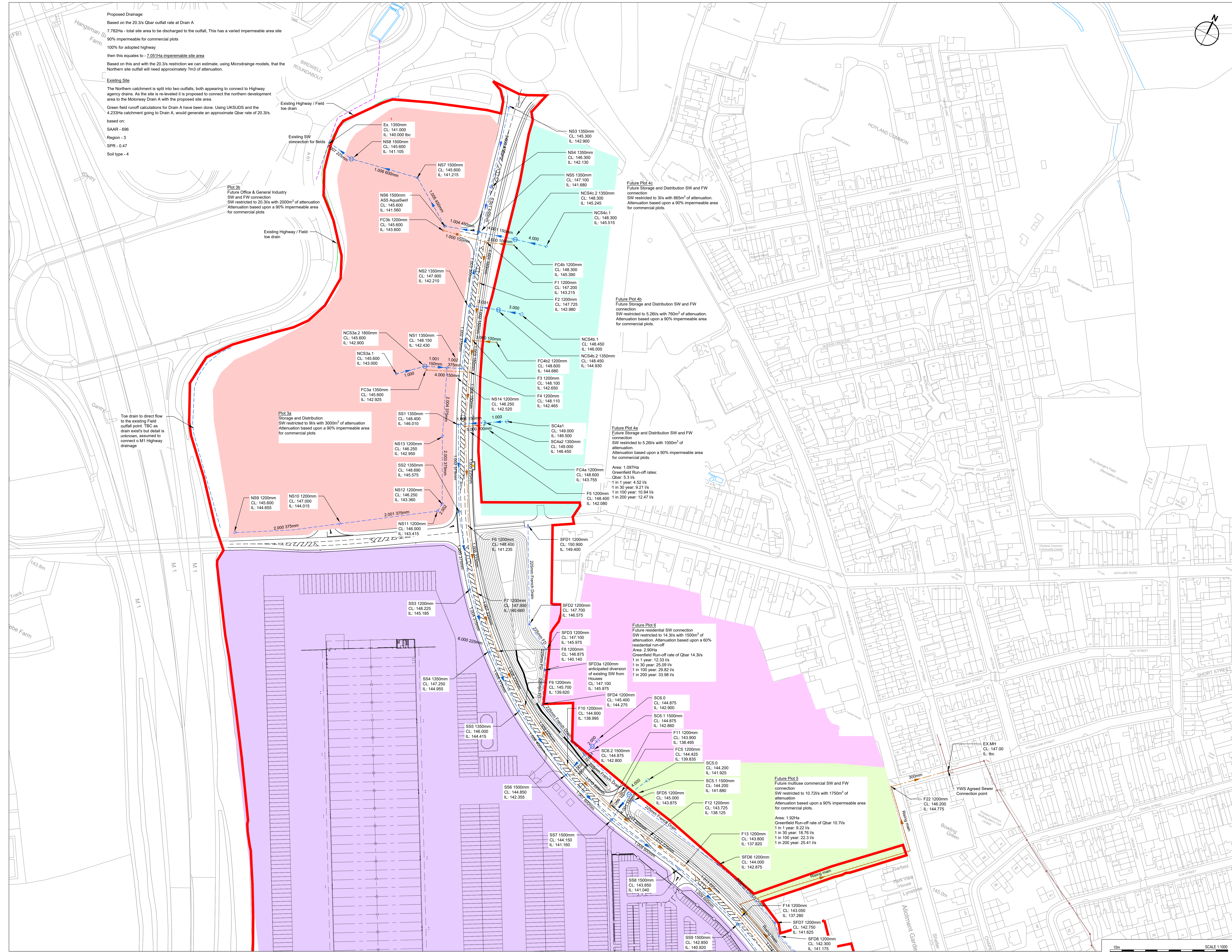




Proposed Drainage
Based on the 20.3/s Qbar outfall rate at Drain A
7.782Ha - total site area to be discharged to the outfall. This has a varied impermeable area site
90% impermeable for commercial plots
100% for adopted highway
then this equates to - 7.051Ha impermeable site area
Based on this and with the 20.3/s restriction we can estimate, using Microdrainage models, that the
Northern site outfall will need approximately 7m3 of attenuation.

Existing Site
The Northern catchment is split into two outfalls, both appearing to connect to Highway
agency drains. As the site is re-levelled it is proposed to connect the northern development
area to the Motorway Drain A with the proposed site area.
Green field runoff calculations for Drain A have been done. Using UKSUDES and the
4.233Ha catchment to Drain A, would generate an approximate Qbar rate of 20.3/s.
based on:
SAAR - 696
Region - 3
SPR - 0.47
Soil type - 4

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Notes

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- Masterplan taken from PHP drawing 4400-001 Rev P25, received 12/05/2020

Key:

- Proposed Adoptable Surface Water
- Proposed Private Surface Water
- Proposed Adoptable Foul Water
- Proposed Adoptable rising Main
- Proposed Toe Drain
- Development Plot Area 1 (Hermes)
- Development Plot Area 2
- Development Plot Area 3
- Development Plot Area 4
- Development Plot Area 5
- Development Plot Area 6

Key Plan

Not to Scale

P06	Access added	JNB	SMC	16.06.20
P05	Issued for Planning	JNB	SMC	11.06.20
P04	Issued for Draft Planning	SMC	LM	22.05.20
P03	Drainage Layout Amended	JNB	SMC	09.04.20
P02	Drainage Detail Added	SMC	SG	23.03.20
P01	First Issue	AB	SMC	09.03.20
Rev	Description	By	Ctd	Date

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Client

newlands developments

Project

Hoyland

Title

Proposed Drainage Strategy
Sheet 1 of 3

RPS Project Number	Scale @ A1	Date Created
NK020040	1:1000	09.03.20
Task Team Manager	Information Author	Task Information Manager
SG	JNB	SMC
Status		
S2		
Document Number		Revision
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Project Code - Originator - Zone - Level - Type - Role - Drawing Number		
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