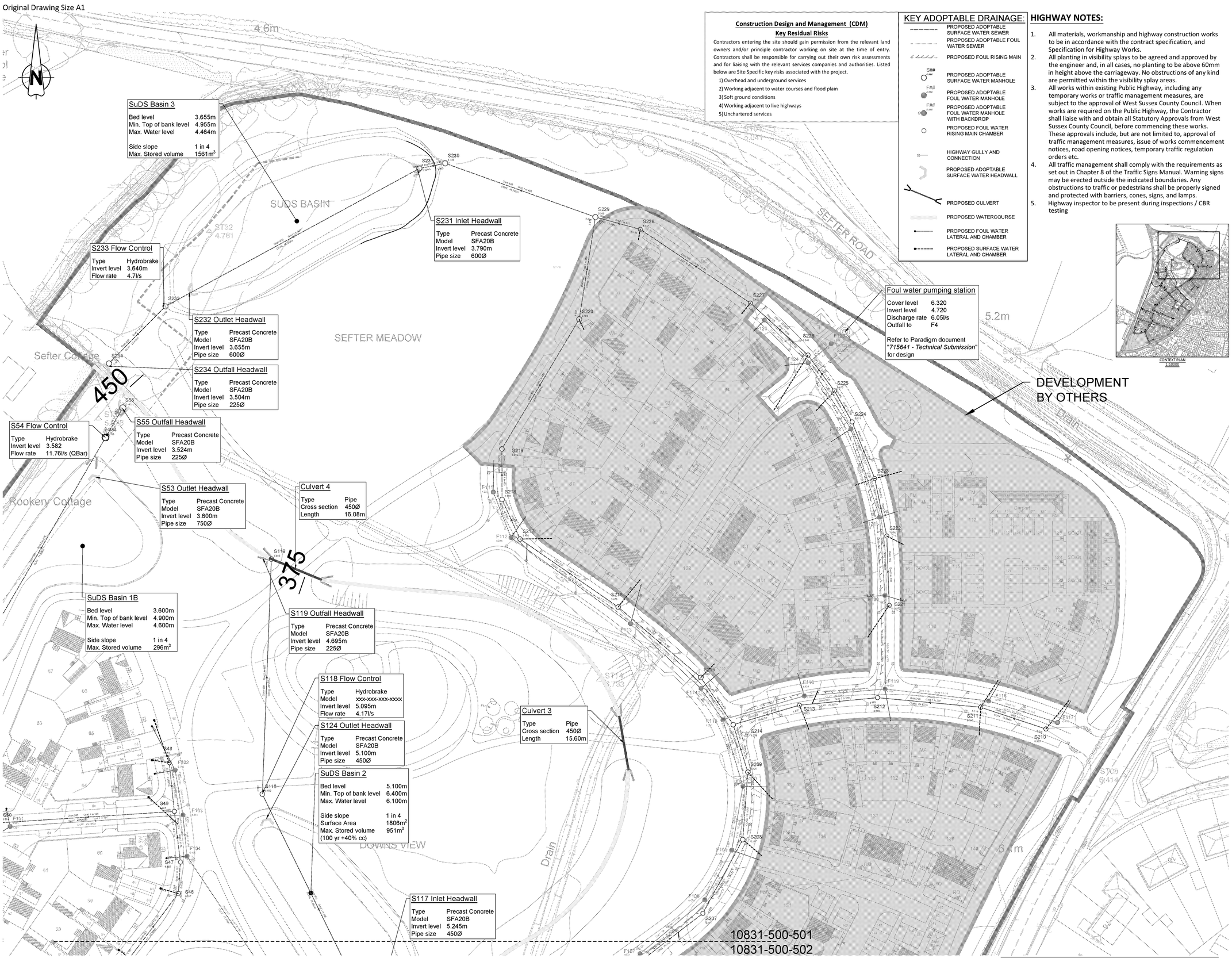
Original Drawing Size A1



Construction Design and Management (CDM)

Key Residual Risks

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1) Overhead and underground services
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3) Soft ground conditions
4) Working adjacent to live highways
5) Unchartered services

KEY ADOPTABLE DRAINAGE:

- PROPOSED ADOPTABLE SURFACE WATER SEWER
- PROPOSED ADOPTABLE FOUL WATER SEWER
- PROPOSED FOUL RISING MAIN
- S## — PROPOSED ADOPTABLE SURFACE WATER MANHOLE
- F## — PROPOSED ADOPTABLE FOUL WATER MANHOLE
- F## — PROPOSED ADOPTABLE FOUL WATER MANHOLE WITH BACKDROP
- PROPOSED FOUL WATER RISING MAIN CHAMBER
- HIGHWAY GULLY AND CONNECTION
- PROPOSED ADOPTABLE SURFACE WATER HEADWALL
- PROPOSED CULVERT
- PROPOSED WATERCOURSE
- PROPOSED FOUL WATER LATERAL AND CHAMBER
- PROPOSED SURFACE WATER LATERAL AND CHAMBER

HIGHWAY NOTES:

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5. Highway inspector to be present during inspections / CBR testing

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ADOPTABLE DRAINAGE NOTES:

1. All adoptable drainage to be in accordance with Sewerage Sector Guidance (SSG) Appendix C - Design and Construction Guidance (DCG)
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4. All lateral connections to be 150mm diameter unless noted otherwise.
5. Sewers with less than 1.2m cover beneath highways and 0.9m cover elsewhere to have special concrete cover slab protection in accordance with the adopting authority's requirements. Flexibility of pipeline to be maintained.
6. Bedding to all remaining pipework is to be class S granular bed and surround.
7. Pipes up to 300mm diameter shall be either vitrified clay or plastic. Pipes greater than 300mm diameter shall be precast concrete or plastic, excluding those crossing beneath watercourses. All pipes to be in accordance with the adopting authority's approved manufacturers. All pipes to be to BS EN 1295 with either sleeved of spigot & socket flexible joints, and shall satisfy the minimum crushing strengths stated below:

150Ø - 22kN/m²	375Ø - 45kN/m²	750Ø - 90kN/m²
225Ø - 28kN/m²	450Ø - 54kN/m²	825Ø - 99kN/m²
300Ø - 36kN/m²	600Ø - 72kN/m²	

SuDS Basin 3

Bed level	3.655m
Min. Top of bank level	4.955m
Max. Water level	4.464m
Side slope	1 in 4
Max. Stored volume	1561m³

S231 Inlet Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	3.790m
Pipe size	600Ø

S233 Flow Control

Type	Hydrobrake
Invert level	3.640m
Flow rate	4.7l/s

S232 Outlet Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	3.655m
Pipe size	600Ø

S234 Outfall Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	3.504m
Pipe size	225Ø

S54 Flow Control

Type	Hydrobrake
Invert level	3.582
Flow rate	11.76l/s (QBar)

S55 Outfall Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	3.524m
Pipe size	225Ø

S53 Outlet Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	3.600m
Pipe size	750Ø

Culvert 4

Type	Pipe
Cross section	450Ø
Length	16.08m

SuDS Basin 1B

Bed level	3.600m
Min. Top of bank level	4.900m
Max. Water level	4.600m
Side slope	1 in 4
Max. Stored volume	296m³

S119 Outfall Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	4.695m
Pipe size	225Ø

S118 Flow Control

Type	Hydrobrake
Model	xxx-xxx-xxx-xxxx
Invert level	5.095m
Flow rate	4.17l/s

S124 Outlet Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	5.100m
Pipe size	450Ø

SuDS Basin 2

Bed level	5.100m
Min. Top of bank level	6.400m
Max. Water level	6.100m
Side slope	1 in 4
Surface Area	1806m²
Max. Stored volume (100 yr +40% cc)	951m³

Culvert 3

Type	Pipe
Cross section	450Ø
Length	15.60m

S117 Inlet Headwall

Type	Precast Concrete
Model	SFA20B
Invert level	5.245m
Pipe size	450Ø

Foul water pumping station

Cover level	6.320
Invert level	4.720
Discharge rate	6.05l/s
Outfall to	F4

Refer to Paradigm document "*715641 - Technical Submission*" for design

10831-500-501
10831-500-502

C	Presentation amended	DC	DC	RM xx.03.22
B	Key amended	DC	DC	RM 07.02.22
A	Amended as per comments received	DC	DC	RM 21.01.22
-	First Issue	CL	JI	JI 14.12.21

BROOKBANKS

6150 Knights Court, Solihull Parkway, Birmingham, B37 7WY
T +44 (0)203 958 5400 E mail@brookbanks.com
W brookbanks.com

Bellway

Hook Lane
Pagham

Adoptable Drainage Layout
Sheet 1 of 4

Status		Status Date
Tender		Jan 2022
Drawn	**Checked**	**Date**
CL	JI	14.12.2021
Scale	**Number**	**Rev**
1:500	18031-500-501	C

0 10 20 30 40 50
METRES

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT HIS OWN RISK.

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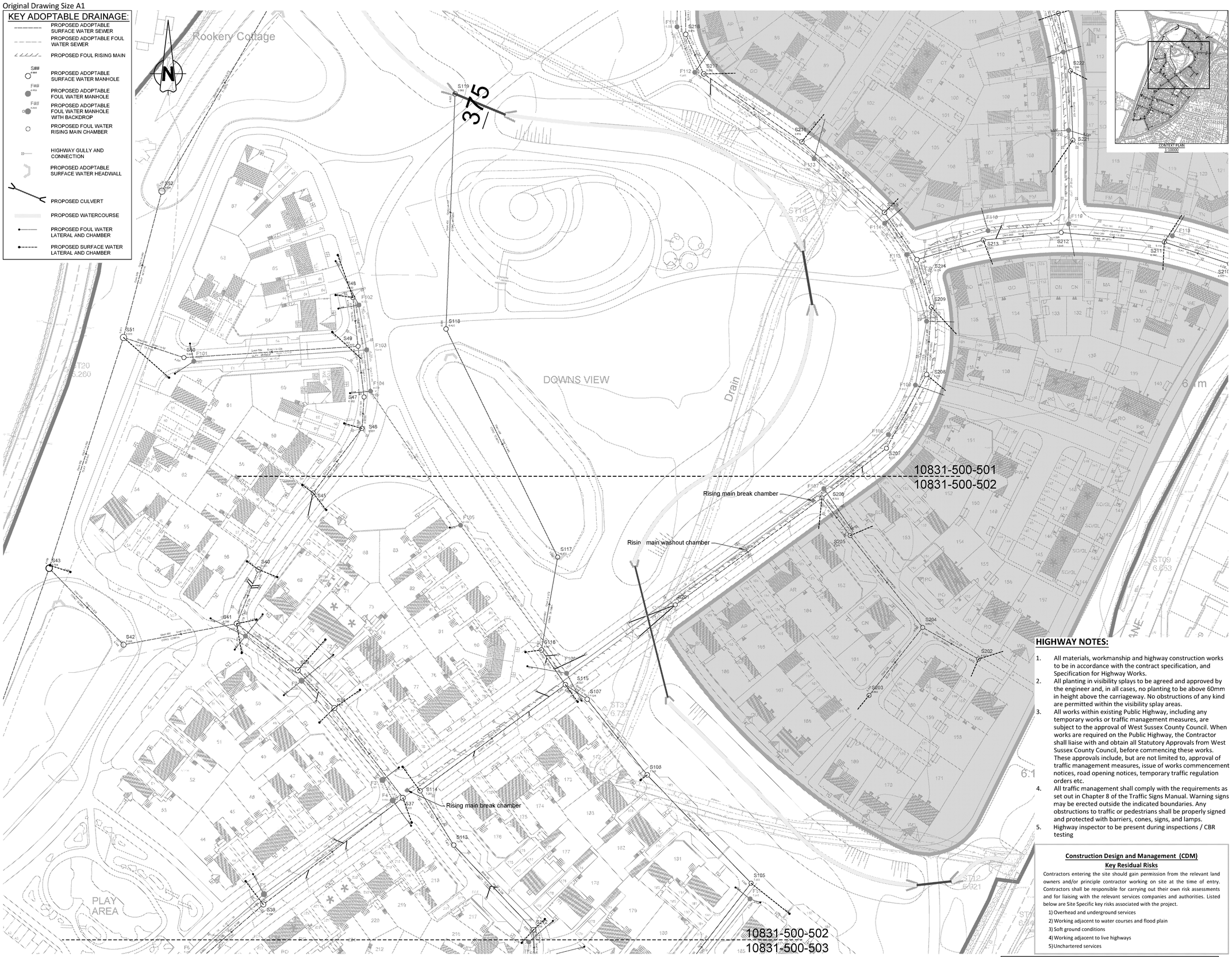
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ARUN DISTRICT COUNCIL P/68/22/DOC

Original Drawing Size A1

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C	Presentation amended	DC	DC	RM	xx.03.22
B	Rising main additional chamber at low point added	DC	DC	RM	07.02.22
A	Amended as per comments received	DC	DC	RM	21.01.22
-	First Issue	CL	JI	JI	08.11.21

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