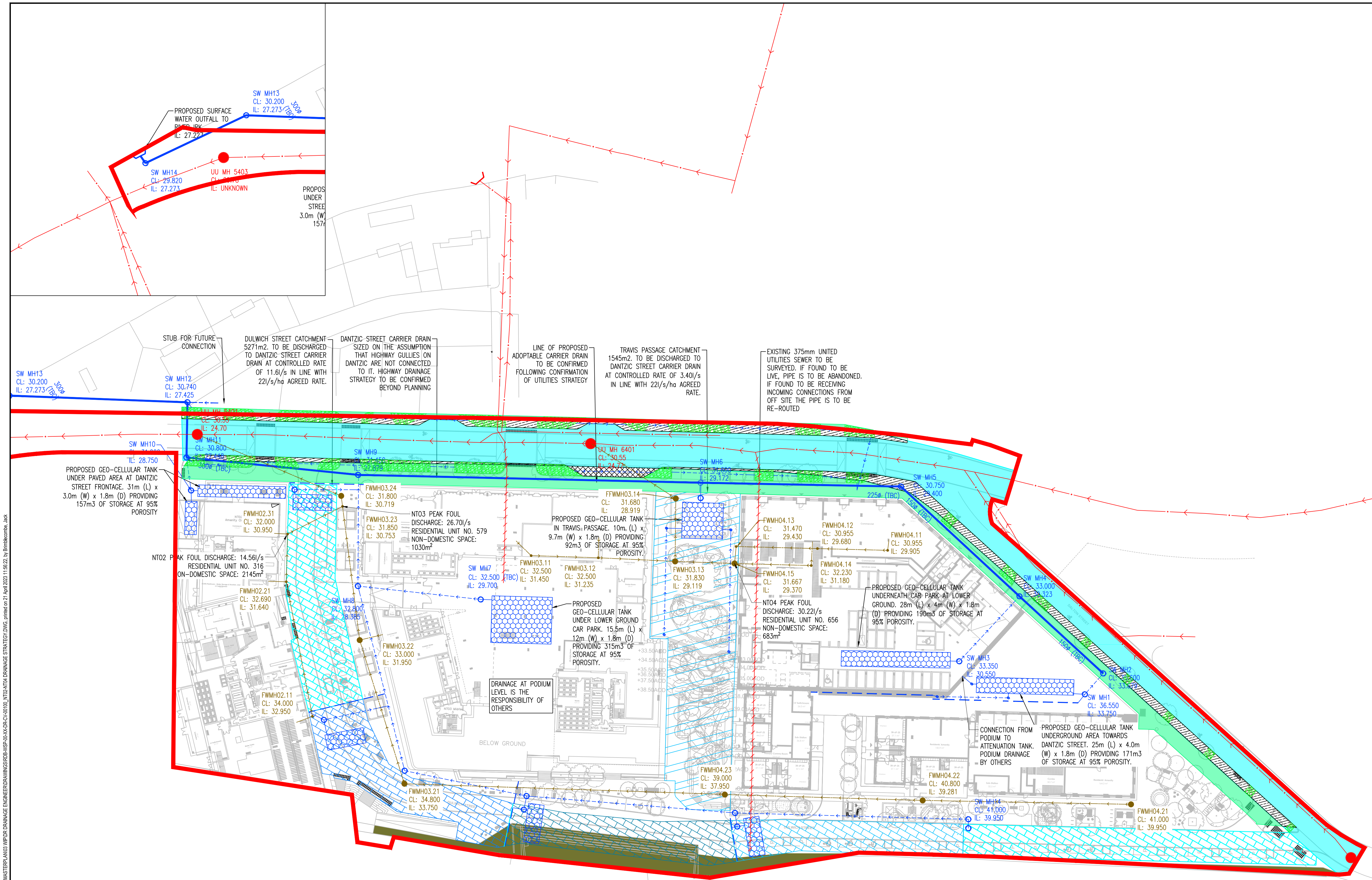


File name: \\UK\WSPGROUP\COMMON\DATA\PROJECTS\70079268-REDBANK & DANTZIC STREET MASTERPLAN\3\WPD\DRAINAGE\ENGINEERING\WSP-00-XX-DR-CV-00101_NT02-NT04 DRAINAGE STRATEGY.DWG, printed on 21 April 2023 11:59:22, by: Birmahemata, Jack



Plot		Area (Assumed 100% Impermeable)	Permitted Discharge (l/s)	Storage (m ³)
NT02	2B	0.23	5.06	156
NT03	2C	0.54	11.88	315
NT04	2D	0.63	13.86	360

DO NOT SCALE

NOTES:
1. THIS DRAINAGE STRATEGY HAS BEEN PRODUCED USING THE FLOOD STUDIES REPORT RAINFALL DATA.

KEY:

PRIVATE SURFACE WATER DRAIN

ADOPTABLE SURFACE WATER CARRIER DRAIN

CHANNEL DRAIN

EXISTING UNITED UTILITIES COMBINED SEWER

EXISTING UU COMBINED SEWER TO BE ABANDONED

SURFACE WATER MANHOLE

FOUL WATER MANHOLE

SURFACE WATER HEADWALL

COMBINED SEWER OVERFLOW HEADWALL

SURFACE WATER ATTENUATION

DULWICH STREET PERMEABLE PAVEMENT

TRAVIS PASSAGE CATCHMENT AREA

EXISTING HIGHWAY LAND TO REMAIN UNATTENUATED (2880m²)

EXISTING HIGHWAY LAND TO BE ATTENUATED (800m²)

PROPOSED NEW HIGHWAY LAND TO BE ATTENUATED (1535m²)

PROPOSED NEW HIGHWAY LAND TO BE UNATTENUATED (50m²)

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

P02	21/04/2023	JEB	UPDATED FOR PLANNING	SM	SM
P01	31/03/2023	JEB	FIRST ISSUE	SM	SM
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION

wsp

8 First Street, Manchester, M15 4GU, UK
T+ 44 (0) 161 200 5000
wsp.com

CLIENT: FAR EAST CONSORTIUM

ARCHITECT: HAWKINS BROWN / MACREANOR LAYINGTON

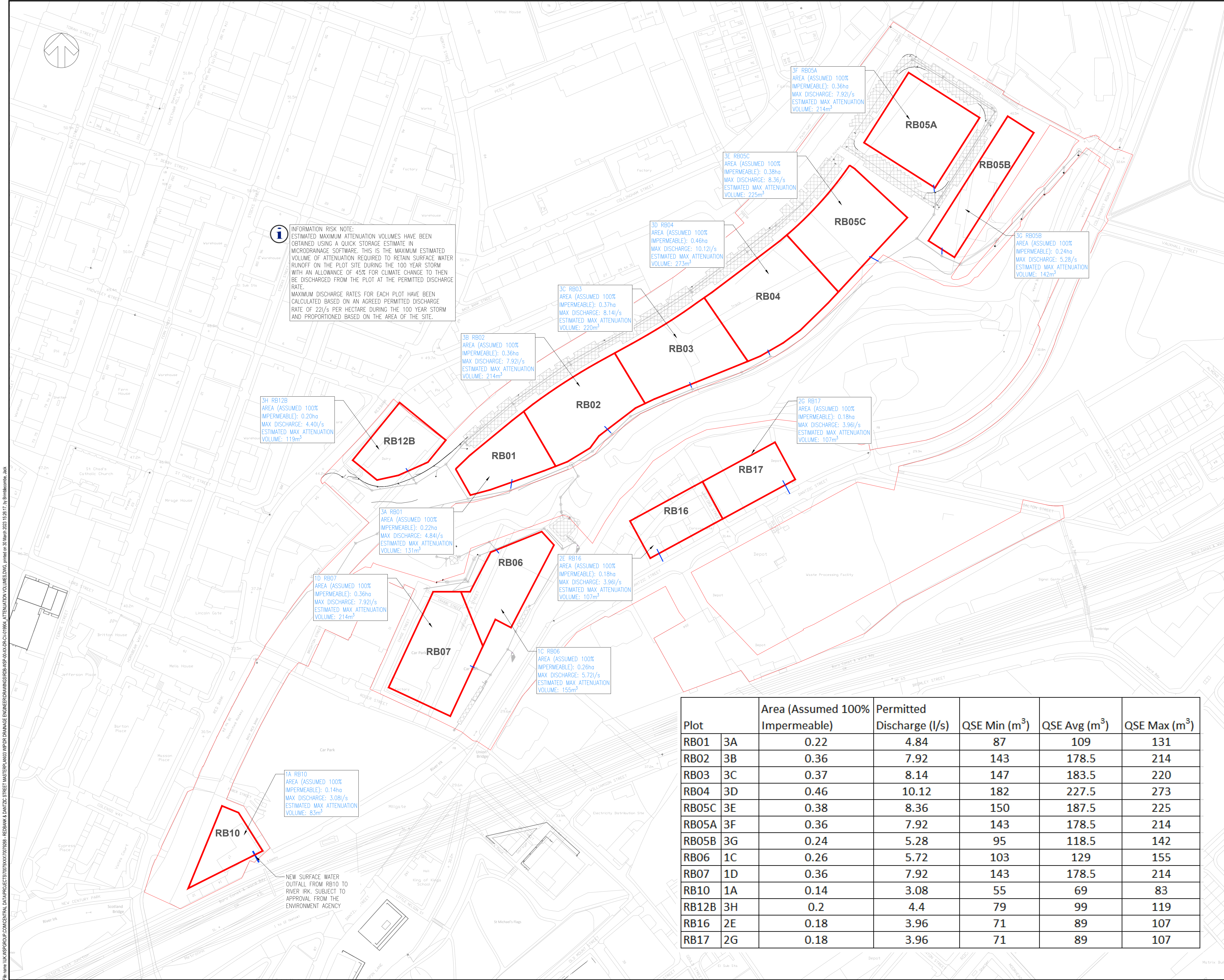
SITE/PROJECT: REDBANK & DANTZIC STREET

TITLE: APPLICATION 5
DETAILED DRAINAGE STRATEGY

SCALE @ A1: 1:500	CHECKED: SM	APPROVED: S
PROJECT NO: 70079268	DESIGNED: JEB	DRAWN: JEB
DATE: April 23		REV: P02

DRAWING No: RDB-WSP-00-XX-DR-CV-00101

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NOTES:

1.

THE VALUES PROVIDED ARE SUBJECT TO CHANGE THROUGHOUT THE DEVELOPMENT OF THE DESIGN.

2.

FOR FURTHER DETAILS OF THE HIF DELIVERED SURFACE WATER DRAINAGE PLEASE REFER TO DRAWING VNIF-ARP-00-YYY-DR-CD-0002

3.

THIS DRAINAGE STRATEGY HAS BEEN PRODUCED USING THE FLOOD STUDIES REPORT RAINFALL DATA.

KEY:

PLOT BOUNDARY

HIF DELIVERED SURFACE WATER DRAINAGE

PROPOSED PLOT SURFACE WATER CONNECTION

PO4	31/03/2023	JEB	ISSUED FOR PLANNING	SM	SM
PO3	09/03/2023	JEB	CLIMATE CHANGE UPDATED	SM	SM
PO2	30/01/2023	DR	BUILDING FOOTPRINTS AMENDED	SM	SM
PO1	21/01/2022	JTB	FIRST ISSUE	SM	SM
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:

S2 - FOR INFORMATION

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CLIENT:

FEC

ARCHITECT:

MLM

SITE/PROJECT:

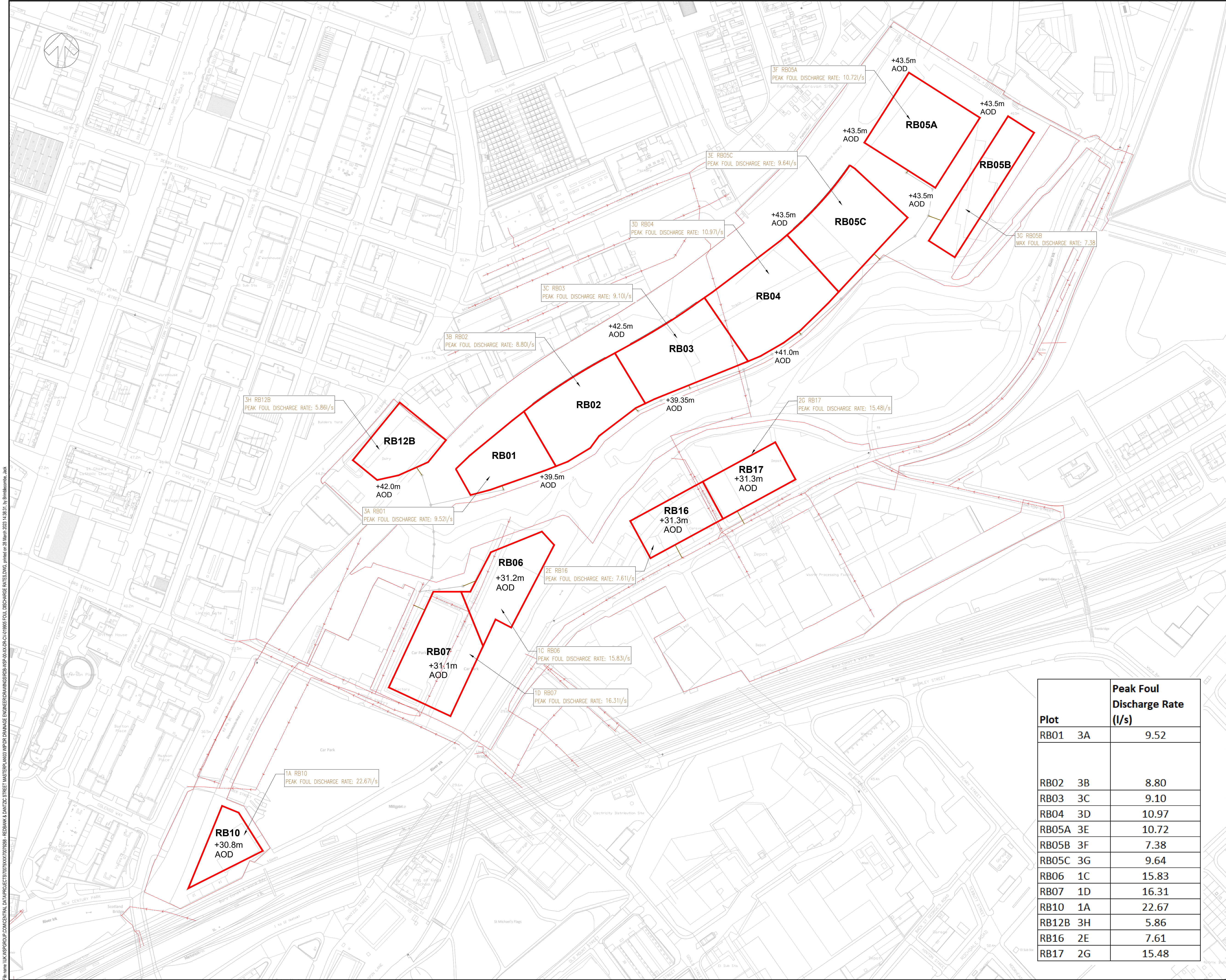
REDBANK AND DANTZIC STREET

TITLE:

APPLICATION 4
SURFACE WATER DRAINAGE STRATEGY

SCALE @ A1:	CHECKED:	APPROVED:	
1:1250	SM	SM	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70079268	JB	JB	March 23
DRAWING NO:	REV:		
RDB-WSP-00-XX-DR-CV-019904	PO4		

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DO NOT SCALE

NOTES:

- THE DISCHARGE RATES PROVIDED ARE SUBJECT TO CHANGE THROUGHOUT DESIGN DEVELOPMENT.
- FOR FURTHER DETAILS OF THE HIF DELIVERED FOUL WATER DRAINAGE SYSTEM REFER TO DRAWING VNIF-ARP-00-YYY-DR-CD-0003

KEY:

EXISTING UU COMBINED SEWER

HIF DELIVERED ADOPTABLE FOUL DRAINAGE

PROPOSED FOUL CONNECTION FROM PLOT

P01	31/03/2023	DR	FIRST ISSUE	JEP	SM
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION

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CLIENT: FEC

ARCHITECT: MLM

SITE/PROJECT: RED BANK AND DANTZIC STREET

TITLE: APPLICATION 4
FOUL DRAINAGE STRATEGY

SCALE @ A1: 1:1250

CHECKED: JEB

APPROVED: SM

PROJECT NO: 70079268

DESIGNED: DR

DRAWN: DR

DATE: March 23

DRAWING NO: RDB-WSP-00-XX-DR-CV-019905

REV: P01

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Plot		Peak Foul Discharge Rate (l/s)
RB01	3A	9.52
RB02	3B	8.80
RB03	3C	9.10
RB04	3D	10.97
RB05A	3E	10.72
RB05B	3F	7.38
RB05C	3G	9.64
RB06	1C	15.83
RB07	1D	16.31
RB10	1A	22.67
RB12B	3H	5.86
RB16	2E	7.61
RB17	2G	15.48