

INDICATIVE DOWN PIPE LOCATION WITH
DIFFUSER TO OPEN GRADED CRUSHED
ROCK STORAGE ON PODIUM. DOWN PIPE
LOCATIONS TO BE COORDINATED WITH
ARCHITECTS DETAILS

PROPOSED FILTER DRAIN TO ACT AS
OVER THE EDGE DRAINAGE FOR
PATHWAY. CHECK/DAM PLATE TO BE
PROVIDED AT 25m. TO MAXIMIZE
EFFICIENCY OF FILTER DRAIN.
FILTER DRAIN TO CONTAIN 225mm Ø
PERFORATED PIPE

PROPOSED 450mm BUILD-UP @ 30% AVERAGE VOID
CONTENT, ABOVE PODIUM SLAB, FOR ATTENUATION
AND TREATMENT OF RAINFALL RUNOFF. ALL
LANDSCAPING AND PAVING TO BE PERVIOUS, OR
DRAIN DIRECTLY TO DRAINAGE LAYER.
710m³ TEMPORARY STORAGE TO BE PROVIDED

600mm DEEP SILT TRAP TO BE PROVIDED
UPSTREAM OF ATTENUATION

PROPOSED ATTENUATION TO BE
PROVIDED USING ESS PLUVIAL CUBE OR
SIMILAR APPROVED. 550m³ TEMPORARY
STORAGE TO BE PROVIDED.
ATTENUATION TANK TO BE LINED.

PROPOSED FLOW CONTROL CHAMBER TO
LIMIT DISCHARGE TO 2.0l/s (3.0l/s/ha)
USING HYDROBREAK BY HYDRO
INTERNATIONAL OR SIMILAR APPROVED

OUTLET FROM PODIUM ATTENUATION
TO BE FITTED WITH ORIFICE PLATE TO
RESTRICT FLOW TO 4l/s

PROPOSED FILTER DRAIN TO ACT AS
OVER THE EDGE DRAINAGE FOR
CARRIAGEWAY. CHECK/DAM PLATE TO BE
PROVIDED AT 25m. TO MAXIMIZE
EFFICIENCY OF FILTER DRAIN.
FILTER DRAIN TO CONTAIN 225mm Ø
PERFORATED PIPE

BASEMENT EXTEND

PROPOSED RAIN GARDENS
TO RECEIVE RUN-OFF FROM
ROOF AREA

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TO RECEIVE RUN-OFF FROM
ROOF AREA

PROPOSED FILTER DRAIN TO ACT AS
OVER THE EDGE DRAINAGE FOR

ORDNANCE SURVEY OF IRELAND LICENCE NO. CYAL50213875 © GOVERNMENT OF IRELAND

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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	23.09.22	SUITABLE FOR INFORMATION	BC	MKo
P02	19.10.22	SUITABLE FOR STAGE APPROVAL	BC	MKo
P03	27.02.23	SUITABLE FOR PLANNING	BC	MKo
P04	01.03.23	REVISED AS PER IRISH WATER COMMENTS	MKo	MKo
P05	23.03.23	REVISED RED LINE BOUNDARY	MKo	MKo

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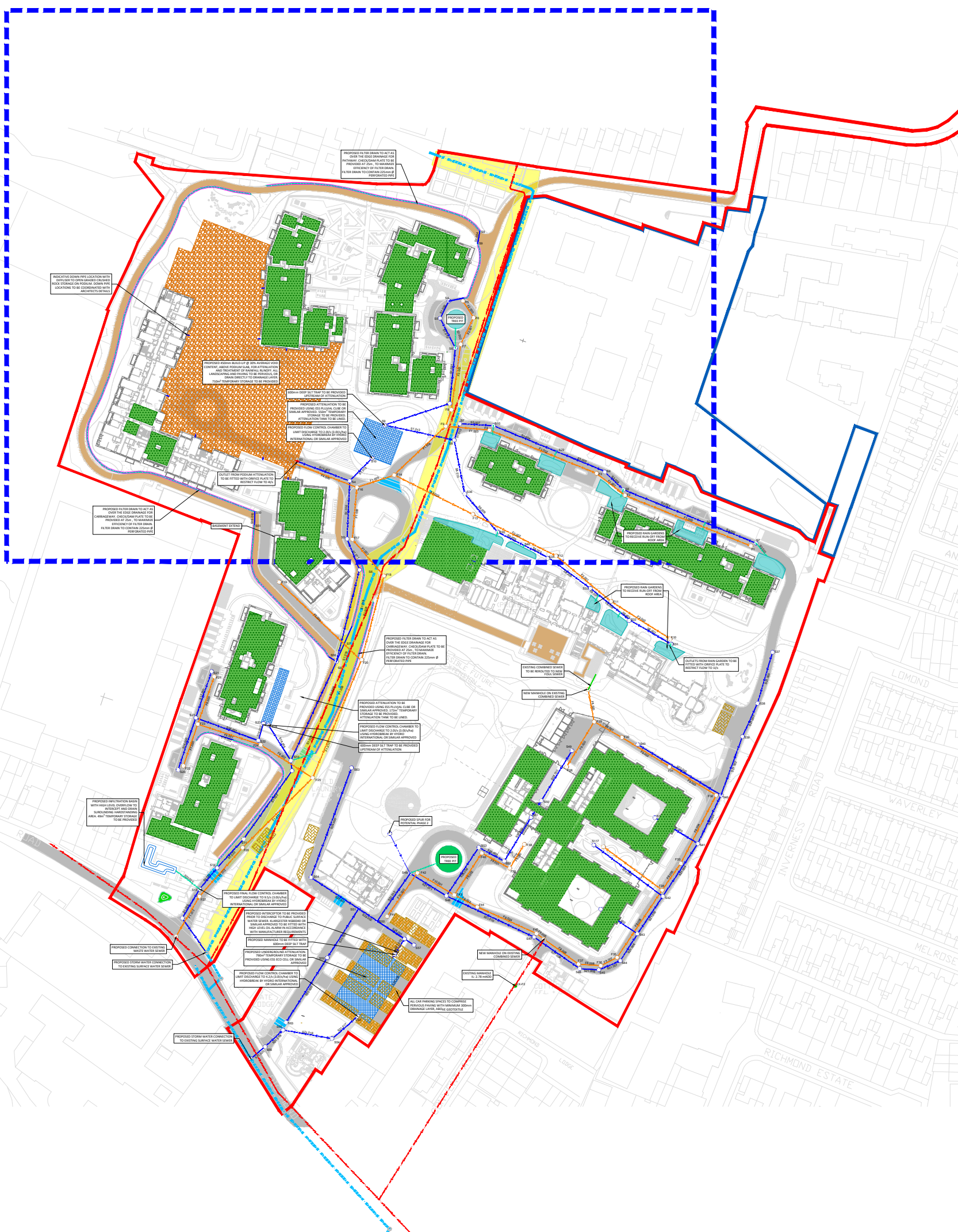
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Client: ST. VINCENT'S HOSPITAL FAIRVIEW
Project: ST. VINCENT'S HOSPITAL
FAIRVIEW REDEVELOPMENT
Title: PROPOSED DRAINAGE LAYOUT
SHEET 3 OF 3

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
R517	OCSC	XX	XX	DR	C	0502	S4	P05
Date:	SEP'22	Scale:	1:500	@ A1	Drn by:	MKo	Chkd by:	DR
						Aprvd by:	AH	



- SITE BOUNDARY
- BASEMENT OUTLINE
- SW-7.???
Ømm
uPVC TWINWALL SURFACE WATER DRAINAGE
OR SIMILAR APPROVED
- SW-??
1200mmØ SURFACE WATER DRAINAGE
PRECAST CONCRETE MANHOLE
- SW-??
1200x1200mm SURFACE WATER DRAINAGE
CAST IN SITU CONCRETE MANHOLE
- SW-7.???
Ømm
uPVC TWINWALL PERFORATED SURFACE WATER
DRAINAGE OR SIMILAR APPROVED
- FILTER DRAIN
- WW-7.???
Ømm
uPVC SN8 WASTEWATER DRAINAGE
OR SIMILAR APPROVED
- WW-??
1200mmØ WASTEWATER DRAINAGE
PRECAST CONCRETE MANHOLE
- EXISTING WASTEWATER SEWER (AS PER UTILITY
SURVEY)
- EXISTING SURFACE WATER SEWER (AS PER
UTILITY SURVEY)
- SURFACE WATER ATTENUATION
- PERVIOUS PAVING
- RAIN GARDEN/ TREE PITS
- GREEN ROOF EXTEND
- BLUE PODIUM
- EXISTING WAYLEAVE

REFER TO DRAWING R517-OCSC-XX-XX-DR-C-0503 FOR
THE DRAINAGE NETWORK SCHEDULE TABLE AND
GENERAL DRAWING NOTES