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

PROPOSED ATTENUATION TO BE PROVIDED USING ESS PLUVIAL CUBE OR SIMILAR APPROVED. 172m³ 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

600mm DEEP SILT TRAP TO BE PROVIDED UPSTREAM OF ATTENUATION

PROPOSED INFILTRATION BASIN WITH HIGH LEVEL OVERFLOW TO INTERCEPT AND DRAIN SURROUNDING HARDSTANDING AREA. 49m³ TEMPORARY STORAGE TO BE PROVIDED

PROPOSED SPUR FOR POTENTIAL PHASE 2

PROPOSED TREE PIT

PROPOSED FINAL FLOW CONTROL CHAMBER TO LIMIT DISCHARGE TO 9.5/s (3.0l/s/ha) USING HYDROBREAK BY HYDRO INTERNATIONAL OR SIMILAR APPROVED

PROPOSED INTERCEPTOR TO BE PROVIDED PRIOR TO DISCHARGE TO PUBLIC SURFACE WATER SEWER. KLARGESTER NSBE040 OR SIMILAR APPROVED TO BE FITTED WITH HIGH LEVEL OIL ALARM IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS

PROPOSED MANHOLE TO BE FITTED WITH 600mm DEEP SILT TRAP

PROPOSED UNDERGROUND ATTENUATION. 790m³ TEMPORARY STORAGE TO BE PROVIDED USING ESS ECO CELL OR SIMILAR APPROVED

PROPOSED FLOW CONTROL CHAMBER TO LIMIT DISCHARGE TO 4.2/s (3.0l/s/ha) USING HYDROBREAK BY HYDRO INTERNATIONAL OR SIMILAR APPROVED

PROPOSED CONNECTION TO EXISTING WASTE WATER SEWER

PROPOSED STORM WATER CONNECTION TO EXISTING SURFACE WATER SEWER

PROPOSED STORM WATER CONNECTION TO EXISTING SURFACE WATER SEWER

EXISTING COMBINED SEWER TO BE REROUTED TO NEW FOUL SEWER

NEW MANHOLE ON EXISTING COMBINED SEWER

NEW MANHOLE ON EXISTING COMBINED SEWER

EXISTING MANHOLE IL: 2.78 mAOD

ALL CAR PARKING SPACES TO COMPRISE PERVIOUS PAVING WITH MINIMUM 300mm DRAINAGE LAYER, ABOVE GEOTEXTILE

OUTLETS FROM R… FITTED WITH ORI… RESTRICT FLOW T…

PROPOSED ROUTE CONTINUED
SCALE: 1:2000

- SITE BOUNDARY
- BASEMENT OUTLINE
- SW-?.??? 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-?.??? Ømm — uPVC TWINWALL PERFORATED SURFACE WATER DRAINAGE OR SIMILAR APPROVED
- FILTER DRAIN
- WW-?.??? 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

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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

Rev No.	Date	Revision Note	Drn by	Chkd by

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Client: ST. VINCENT'S HOSPITAL FAIRVIEW
Project: ST. VINCENT'S HOSPITAL FAIRVIEW REDEVELOPMENT
Title: PROPOSED DRAINAGE LAYOUT SHEET 1 OF 3

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
R517	OCSC	XX	XX	DR	C	0500	S4	P05

Date: SEP'22 Scale: 1:500 @ A1 Drn by:MKo Chkd by:DR Aprvd by:AH