

REF	COVER LEVEL (APX.)	INVERT LEVEL (APX.)
S1	18.250	17.000
S2	18.300	17.790
S3	18.750	17.910
S4	18.700	17.900
S5	18.750	18.220
S6	17.300	15.400
S7	18.300	15.620
S8	18.800	15.800

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS.
 - FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE. ENGINEER TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE ANY WORK PROCEEDS.
 - ALL STRUCTURE IS TO BE VERIFIED BY CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS.

- LEGEND**
- TP01 INDICATES LOCATION OF TRIAL PITS
 - BH01 RC01 INDICATES LOCATION OF BORE HOLES/ROTARY CORE HOLES
 - REFER TO SITE INVESTIGATIONS Ltd. REPORT No. 5728 FOR DETAILS.

- LEGEND**
- EXISTING FOUL WATER SEWER
 - EXISTING SURFACE WATER
 - EXISTING COMBINED SEWER
 - EXISTING WATERMAIN
 - PROPOSED FOUL SEWER PIPE
 - PROPOSED SURFACE WATER PIPE
 - PROPOSED COMBINED SEWER
 - PROPOSED NEW WATERMAIN
 - EXISTING FOUL SEWER MANHOLE
 - EXISTING SURFACE WATER MANHOLE
 - PROPOSED FOUL SEWER MANHOLE
 - PROPOSED SURFACE WATER MANHOLE
 - HYDRANT
 - AJ. PROPOSED FOUL A.J.
 - AJ. PROPOSED SURFACE WATER A.J.
 - RG. ROAD GULLY
 - BIGT. BACK INLET GULLY TRAP
 - ST. SILT TRAP
 - RWP. RAIN WATER PIPE
 - SS. SOIL STACK
 - YG. YARD GULLY
 - RE. RODDING EYE/ACCESS HATCH
 - 99.950. EXISTING LEVEL
 - + 99.950. EXISTING LEVEL
 - WM. WATER METER
 - SV. SLUICE VALVE
 - TB. THRUST BLOCK
 - FMWS. FIRE MAIN WATER SUPPLY
 - MWS. METERED WATER SUPPLY
 - DENOTES PERMEABLE BLOCK PAVORS TO ARCHITECTS SPECIFICATION

Rev	Date	Amendments	by	chkd
P05	09.12.20	SITE LAYOUT REVISED TO SUIT ARCHITECT	AG	AD
P04	26.08.20	SURVEY UPDATED	AG	AD
		SITE LAYOUT REVISED TO SUIT ARCHITECT	AG	AD
P03	13.08.20	FILTER DRAIN DETAIL ADDED	AG	PD
P02	21.07.20	PRE-PLANNING ISSUE	AG	AD
P01	13.07.20	SKETCH ISSUE	AG	AD

PROJECT
FCC HAYESTOWN HOUSING, RUSH, Co. DUBLIN

CLIENT
FINGAL COUNTY COUNCIL

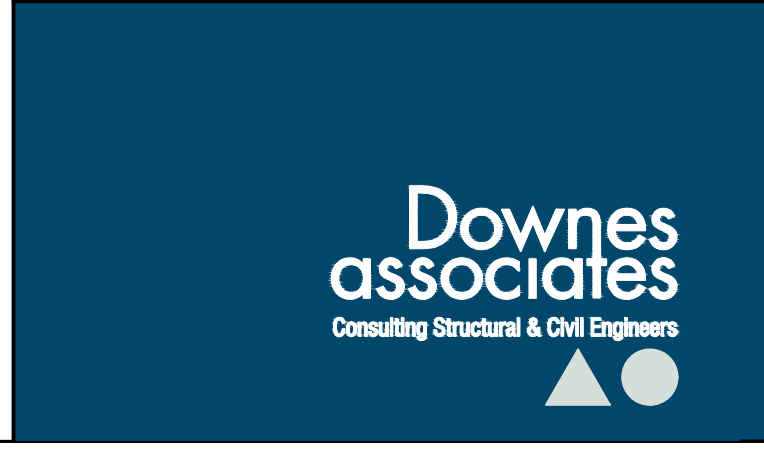
DRAWING TITLE
PROPOSED SURFACE WATER DRAINAGE LAYOUT

drawn by: AG date: 13.07.20 scale: 1:500 @ A1 chk: AD

20067 - DOW - 00 - XX - DR - CE			
Project	Originator	Volume	Level Type
20067	5006		P05
DOW Project No.	drg. no.	rev.	

S4 - SUITABLE FOR STAGE APPROVAL

Suitability Status: Code - Description
 Cashel Business Centre,
 Cashel Road, Kimmage, Dublin 12
 T 01 4901611
 E admin@downesassociates.ie
 www.downesassociates.ie



1 FILTER DRAINS, TRENCH AND BEDDING DETAILS
 Scale: 1:25

DENOTES SUDS BIORETENTION FEATURE SUCH AS TREE PIT OR SIMILAR TO CAPTURE RUN-OFF FROM ROOFTOP OF DWELLINGS (DETAIL TO BE AGREED WITH LANDSCAPE ARCHITECT)

HYDROBRAKE FLOW CONTROL DEVICE MANHOLE
 TOTAL STORAGE VOLUME = 149.2m³ (BASIN 'B' + OVERSIZED PIPES)
 INVERT LEVEL = 15.400
 MAX DISCHARGE RATE = 2.8 l/s
 MAX WORKING HEAD = 1.2m
 300mm SUMP TO HYDROBRAKE

DETECTION BASIN 'A' APPROX. 5m x 25m WITH 1:4 SIDE SLOPES ALL AROUND
 TOTAL STORAGE VOLUME 175.7m³
 INVERT LEVEL = 17.000
 TOP OF BASIN LEVEL = 18.250
 MAX WATER LEVEL = 17.950

DETECTION STORAGE OVERSIZED PIPES BETWEEN S8 AND S6. 1200Ø PIPE x 100m LONG
 TOTAL STORAGE VOLUME = 120m³

100 YEAR FLOOD LEVEL IN STREAM = 17.010

100 YEAR FLOOD LEVEL IN STREAM = 17.850

REFER TO DRAWING 5005 FOR CONTINUATION