



ALL DRAINAGE FALLS @ 1:80 WITH
HP's = 27.625m & LP's = 27.525m

ALL DRAINAGE CHANNELS TO BE ACO MULTIDRAIN M100D 10.0 OR SIMILAR APPROVED WITH CONSTANT INVERT. CHANNELS TO INCLUDE VERTICAL KNOCKOUT FOR CONNECTION TO 110mm Ø UPVC PIPE. ALL GRATINGS TO BE HELLIGUARD DUCTILE IRON 23405DL.

ALL GULLY BRANCH PIPES TO CONNECT TO MAIN NETWORK WITH SADDLE CONNECTION ON DWG No. R484-OCSC-XX-XX-DR-C-0525 FOR SADDLE CONNECTION TO PIPE UNDER SLAB

ALL GULLY BRANCH PIPE 150mm Ø uPVC @ 1:100

100mm Ø HDPE (PE100 PN10 SDR17) RISING MAIN TO STAND OFF MANHOLE ABOVE

AUTOMATIC DUTY & STANDBY PUMP (FLOW=2.0l/s; HEAD=3.7m) WITH 100mm Ø HDPE MAIN. 2 X DOMESTIC CB OR SIMILAR APPROVED (CHANNEL IMB) WASTEWATER DRAINAGE PUMPS DUTY STANDBY OPERATION C/W INCLUDING; 2 X PUMP LIFTING CHAINS; 2 X SET OF ISOLATION VALVES, NRV AND PIPING; 1 X CONTROL PANEL C/W HOOPER & BEACON; 4 X FOUL WASTE WATER FLOATS & BRACKET;

KLARGESTER NSB8003 CLASS 1 BYPASS INTERCEPTOR IN CHAMBER AS PER DWG No. R484-OCSC-XX-XX-DR-C-0525

ALL ACO BRANCH PIPES 100mm Ø uPVC @ 1:100

LOWARA MIDIBOX DOCV7X PUMPING STATION WITH DOMO 10(T) PUMP OR SIMILAR APPROVED

100mm Ø HDPE (PE100 PN10 SDR17) RISING MAIN TO STAND OFF MANHOLE ABOVE

ALL GULLY CHAMBERS 450mmx300mm CL: 27.500m IL: 26.375m D: 1.125m PIPE IL @ 26.825m

PUMPING STATION CHAMBER 1200mm X 850mm CL: 27.600m D: 1.000m

WASTEWATER PIPE EXITING BASEMENT AT IL 27.357m AOD

WASTEWATER PIPE ENTERING BASEMENT AT IL 28.212m AOD

GULLY DETAILS DWG No. R484-OCSC-XX-XX-DR-C-0525 FOR MANHOLE CONSTRUCTION DETAILS

PROPOSED BUILDERS UPSTAND

INDICATIVE WASTEWATER DRAINAGE. TO BE COORDINATED WITH M&E DESIGN

USMH	USCL (m)	Pipe Number	USIL (m)	Slope (1:X)	Dia (mm)	DSIL (m)
S1	27.625	S1.000	26.725	100.0	150	26.292
S2	27.625	S1.001	26.292	100.0	150	26.242
S3	27.600	S1.002	26.242	100.0	150	25.800
S4	27.600	S1.003	25.800	100.0	150	25.266
S5	27.625	S1.004	25.266	100.1	150	25.120
S6	27.625	S2.000	26.725	100.0	150	26.478
S7	27.600	S2.001	26.478	100.0	150	26.145
S8	27.625	S3.000	26.725	100.0	150	26.481
S9	27.625	S2.002	26.145	100.0	150	25.928
S10	27.625	S4.000	26.725	100.0	150	26.474
S11	27.625	S2.003	25.928	100.0	150	25.615
S12	27.625	S1.005	25.120	100.1	150	24.885
S13	27.625	S5.000	26.500	100.2	150	26.306
S14	27.125	S5.001	26.306	100.2	150	26.112
S15	27.625	S5.002	26.112	100.0	150	25.873
S16	27.625	S5.003	25.873	99.8	150	25.617
S17	27.625	S1.006	24.885	100.0	150	24.794

LEGEND	
SURFACE WATER NETWORK	
PROPOSED FOUL NETWORK	
PROPOSED GULLY	
BRANCH PIPE	
ACO DRAIN	
RISING MAIN	
PROPOSED BUILDERS UPSTAND	

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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	03.07.19	SUITABLE FOR INFORMATION	AF	SD
C01	01.10.19	STAGE COMPLETE - SUITABLE FOR CONSTRUCTION	DOM	SD
C02	10.10.19	BASEMENT LAYOUT UPDATED	DOM	SD
C03	11.10.19	ISSUED FOR PLANNING	DOM	SD

Rev No.	Date	Revision Note	Drn by	Chkd by



Head Office,
9 Prussia Street,
Dublin 7,
D07 KT57

TEL +353 (0)1 8682000

e: contactus@ocsc.ie
w: www.ocsc.ie

Dublin | London | Belfast | Galway | Cork

Client: SEVEN CABRA REAL ESTATE LTD.
Project: HAMILTON GARDENS
CARNLOUGH ROAD, CABRA
Title: PROPOSED BASEMENT DRAINAGE LAYOUT
SHEET 3 OF 3

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision
R484-OCSC-XX-XX-DR-C-0507 | A1 | C03

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