

STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Manhole DIA. (mm)
1.000	225	27	uPVC	32.400	S1	99.211	100.365	S2	98.011	99.254	1200
1.001	225	27	uPVC	3.586	S2	98.011	99.254	S3	97.878	99.362	1200
1.002	225	27	uPVC	25.064	S3	96.085	99.362	S4	95.157	96.157	1200 Backdrop
1.003	225	27	uPVC	29.497	S4	92.453	96.157	S8	91.361	92.361	1200 Backdrop
1.004	225	27	uPVC	5.096	S8	89.026	92.361	S9	88.837	92.233	1200 Backdrop
1.005	225	27	uPVC	10.591	S9	88.837	92.233	EXS10	88.445	91.515	1200
2.000	225	27	uPVC	14.894	S5	90.894	93.610	S7	90.342	93.213	1200
2.001	225	27	uPVC	35.532	S7	90.342	93.213	S8	89.026	92.361	1200
3.000	225	170	uPVC	11.218	S6	90.408	94.065	S7	90.342	93.213	1200

FOUL Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Manhole DIA. (mm)
1.000	150	13	uPVC	37.308	F1	98.195	100.358	EXF2	95.325	99.150	1200

FOUL Network 2											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Manhole DIA. (mm)
2.000	150	13	uPVC	25.041	F3	91.460	93.006	F4	89.534	92.380	1200
2.001	150	13	uPVC	16.370	F4	89.534	92.380	EXF5	88.275	90.736	1200



103m³ OF ATTENUATION STORAGE REQUIRED TO PROVIDE STORAGE FOR THE 1 IN 100 YEAR STORM EVENT +10% CLIMATE CHANGE. IRREGULAR SHAPE TO ACCOMMODATE WATERMAIN CONNECTION TO EXISTING SLUICE VALVE. POLYSTYRENE LITE GEOCELLULAR CRATES (PSM2) SIMILAR OR APPROVED UNITS TO BE USED. ACCESS INSPECTION CHAMBER TO BE FITTED TO ALLOW FOR MAINTENANCE.

3m WAYLEAVE TO COMPLY WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS

MANHOLE S9 TO BE FITTED WITH A FLOW CONTROL DEVICE TO RESTRICT FLOW TO QBAR 2.3/s. HYDROBRAKE WITH DESIGN HEAD OF 2.985m OR SIMILAR APPROVED TO BE USED. OVERFLOW PIPE TO BE CONNECTED AT HIGH LEVEL INTO PIPE 1.005 (MINIMUM LEVEL TO BE 91.700 SO IT IS ABOVE THE ATTENUATION TANK).

FOUL SEWER TO CONNECT INTO EXISTING MANHOLE AT THIS LOCATION

STORM SEWER TO CONNECT INTO EXISTING MANHOLE AT THIS LOCATION

PROPOSED DRAINAGE LAYOUT
SCALE 1:200

FOR PART 8 PLANNING PURPOSES ONLY

GENERAL NOTES:

- ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S AND OTHER ENGINEERING DRAWINGS.

DRAINAGE LAYOUT LEGEND

- PROPOSED STORM SEWER & MH
- STORM MH WITH HYDROBRAKE
- PROPOSED STORM SEWER & BACKDROP MH
- PROPOSED FOUL SEWER & MH
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- PROPOSED ROAD GULLY/DOUBLE GULLY
- PROPOSED ATTENUATION CELLULAR STORAGE
- IRISH WATER FOUL SEWER WAYLEAVE
- PROPOSED ACO DRAIN

REV	DATE	DESCRIPTION	BY	APPR
B	03.11.21	MINOR REVISIONS	SM	MK
A	18.10.21	DRAINAGE LAYOUT UPDATED TO REFLECT NEW SITE LAYOUT	SM	MK

DRAWING STATUS:
PART_8_PLANNING

CLIENT:
WICKLOW COUNTY COUNCIL

JOB DESCRIPTION:
10NO. UNIT HOUSING DEVELOPMENT, BALLYNERRIN, WICKLOW TOWN, CO. WICKLOW

DRAWING TITLE:
PROPOSED DRAINAGE LAYOUT

PROJECT No.: P-3537
DRAWING No.: C-02
REV. No.: B

SCALE: 1:200
SHEET: A1
DATE: 30.04.21
DRAWN BY: SM
CHECKED BY: MK
APPROVED BY: PMCM

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