A1

PROPOSED UNDERGROUND STORMTECH ATTENUATION SYSTEM SC740
* TOTAL VOLUME: 2920 m³ (MIN. REQ. 2909 m³)
* TOTAL AREA: 3675m²
- WEST TANK: 2074m²
- EAST TANK: 1591 m²
* CHAMBERS IN TOTAL: 1094 no
- WEST TANK = 640 no.
- EAST TANK = 454 no
* BASE OF TANK LEVEL:
- WEST TANK @ +77.34
EAST TANK @ +77.30
(refer to Drainage Report for details)

KLARGESTER CLASS 1 FULL RETENTION HEF INSFA250
CL=79.975
INLET Lvl=77.80

SURFSEP SILT TRAP SWI0606/02 OR SIMILAR APPROVED

RETAINING WALL HANDRAIL ON TOP

SW MH 2.11
CL=78.85
IL=77.35
FLOW CONTROL DEVICE TO BE PLACED ON OUTLET OF MANHOLE TO LIMIT FLOW TO 5.0 l/s

OUTFALL TO EXISTING DITCH @ GRAD 2.7% (BED OF DITCH @ +77.00 + 300mm FREEBOARD)

SW MH 2.10
CL=78.75
INLET Lvl=77.60

KLARGESTER CLASS 1 FULL RETENTION HEF INSFA200

SURFSEP SILT TRAP SWI0606/02 OR SIMILAR APPROVED

SW MH 2.09
CL=79.85
IL=77.75

SW MH 2.07
CL=79.60
IL=77.925

FS MH 04
CL=79.075
IL=76.37

SW MH 2.06
CL=79.35
IL=76.095

SW MH 2.05
CL=80.40
IL=76.355

FS MH 05
CL=80.275
IL=75.49

FS MH 01
CL=79.10
IL=78.28

SW MH 2.08
CL=78.85
IL=78.05

FS MH 02
CL=79.20
IL=77.75

FS MH 03
CL=79.85
IL=77.25

OFFICE B
FFL=80.60

CONCRETE YARD

SW MH 2.01
CL=80.00
IL=79.00

SW MH 1.02
CL=79.95
IL=78.50

SW MH 1.03
CL=80.00
IL=79.10

PROPOSED WAREHOUSE
FFL=80.00

RIDGE

VALLEY

SW MH 2.02
CL=80.00
IL=78.70

SW MH 1.01
CL=79.95
IL=78.60

OFFICE A
FFL=80.25

CHARGING AREA
FFL=80.00

SW MH 2.03
CL=81.625
IL=80.425

SW MH 2.04
CL=81.80
IL=78.475

RETAINING WALL

9.0m WIDE GATE

GRASS VERGE 2.0m

FOOTPATH 2.0m

2000 WATERMAIN

EX. 200DWATERMAIN

PROPOSED CONNECTION TO EXISTING 200D WATERMAIN

3x3x1dp 24hr FOUL STORAGE TANK

EXISTING FOUL MANHOLE CL=81.90 IL=79.65

2000 WATERMAIN

Baldonnell House

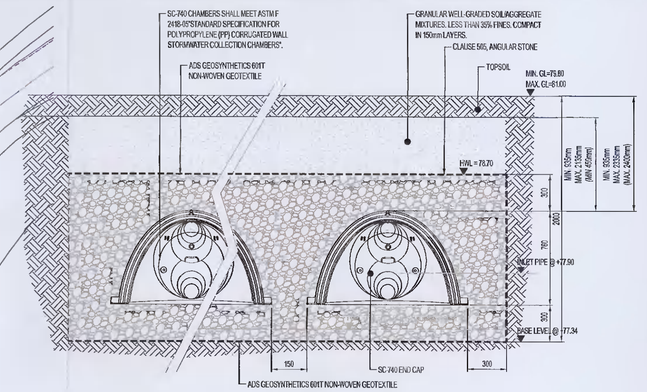
ES

1

BALLYMAKELLY
Park Dhomhnaill Íochtarach

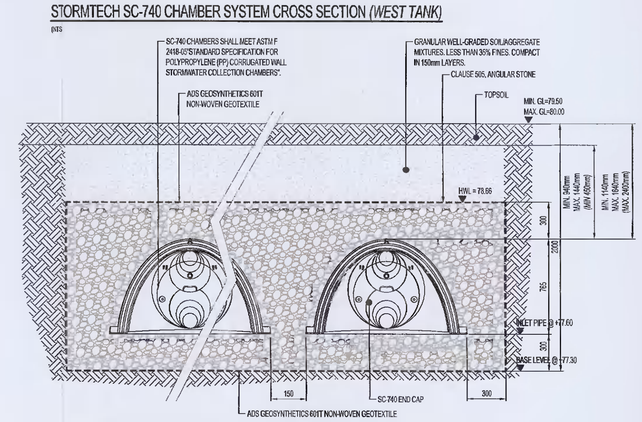
## STORMTECH SC-740 CHAMBER SYSTEM CROSS SECTION *(WEST TANK)*

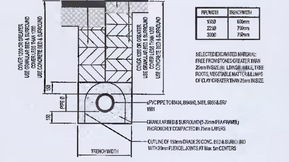
(NTS)




## STORMTECH SC-740 CHAMBER SYSTEM CROSS SECTION *(EAST TANK)*

(NTS)




TYPICAL MAIN DRAINAGE TRENCH

## LEGEND:

- EXISTING SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- PROPOSED ROAD LEVELS

HYDRANT

SLUICE VALVE

+91.80

**1** - ALTERATION NUMBER FOR THE SUBJECT APP.

THE SUBJECT ALTERATIONS ARE AS FOLLOWS:

ELEVATION ALTERATIONS ONLY TO THE FRONT 3 STOREY ANCILLARY OFFICE BLOCK A:
THE ALTERATIONS COMPRISE A CHANGE OF MATERIAL CLADDING AND FENESTRATION REVISIONS TO THE FRONT AND IMMEDIATE SIDE ELEVATIONS OF THE ANCILLARY OFFICES (SOUTH, EAST AND WEST ELEVATIONS). THE PREVIOUSLY APPROVED CLADDING "CERAMIC GRANITE" STONE FINISH IS PROPOSED TO BE REVISED TO "BENCHMARK DRI-DESIGN RAINSCREEN FACADE" PROFILED METAL CLADDING SYSTEM.

ALL OTHER DETAILS REMAIN AS PER THE AFOREMENTIONED GRANTED PLANNING APPLICATIONS.

| Mark | Date | By | Chk. | App. | Revision |
|---|---|---|---|---|---|
| PL4 | 16/12/2020 | ED | UB | - | ISSUED FOR PLANNING ALTERATIONS |

Drawing Status
PLANNING (ALTERATIONS 2020)

Job Title
PROPOSED DEVELOPMENT AT KINGSWOOD BUSINESS PARK, BALDONNEL, DUBLIN 22

Drawing Title
DRAINAGE & WATERMAIN LAYOUT
*AS PER GRANTED PERMISSION REG.REF. SD20A/0187*

Architect/Client
JMC VAN TRANS LTD

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| Drn | Checked | Approved |
|---|---|---|
| ED | UB | |

Scales: 1:500 — Date: December 2016

| Job No. | Drawing No. | Rev. |
|---|---|---|
| D1568 | D3 | PL4 |