A0

LEGEND:

- EXISTING SURFACE WATER DRAINAGE
- NEW SW DRAINAGE
- EXISTING FOUL SEWER
- NEW FOUL SEWER
- EXISTING WATERMAIN
- NEW WATERMAIN WITH PROPOSED SLUICE VALVES AND FIRE HYDRANTS
- DENOTED PROPOSED BUILDING
- DENOTED GREEN ROOF TO OFFICE BLOCKS
- TOPOGRAPHICAL SURVEY INFORMATION SHOWN FOR REFERENCE
- DENOTES OPEN TEXTURED MACADAM TO ROAD
- DENOTES GRASSCRETE TO FIRE TENDER ROAD AND CAR PARKING. FOR DETAILS REFER TO LANDSCAPE ARCHITECT DRAWINGS AND SPECIFICATIONS
- DENOTES PERMEABLE PAVING TO DISABLE CAR PARK SPACES
- DENOTES PERMEABLE PAVING TO VAN PARKING AND CIRCULATION AREAS
- DENOTES LANDSCAPING. FOR DETAILS REFER TO LANDSCAPE ARCHITECT DRAWINGS AND SPECIFICATIONS
- DENOTES LIVING GREEN WALLS ON BUILDING ELEVATION

PUMP STATION MANHOLE WITH DUTY STANDBY/DUTY ASSIST OPERATION PUMPS CL=95.50 IL=91.70

5.2x5.2x1.0dp 24hr FOUL STORAGE TANK

FMH25 CL=95.34 IL=91.70

SMH09 CL=95.20 IL=94.02

SMH10 CL=95.40 IL=93.85

OUTFALL TO EXISTING OPEN CHANNEL CL=95.00 IL=93.77

SMH08 CL=95.90 IL=94.23

FMH19 CL=95.90 IL=92.08

SMH07 CL=97.70 IL=94.50

FMH18 CL=98.20 IL=92.72

EX. SITE C STORM MH CL=98.00 IL=94.680

EX. SMH 07 CL=95.470 IL=94.50

FMH17 CL=98.55 IL=92.72

EXISTING 150Ø WATERMAIN

NEW MH SW25 CL=99.150 IL=95.200

NEW MH SW24 CL=99.100 IL=95.400

NEW MH SW23 CL=99.250 IL=95.600

NEW HYDROBRAKE MH SW22 CL=98.880 HYDROBRAKE IL=95.865 FLOW RESTRICTED TO: Q=5.76 l/s

NEW MH SW4 CL=99.600 IL=97.500

NEW MH SW3 CL=100.950 IL=99.000

NEW MH SW2 CL=101.150 IL=99.700

NEW MH SW1 CL=101.750 IL=100.200

PROPOSED UNDERGROUND 1880m³ STORMTECH ATTENUATION SYSTEM BASE OF TANK @ +95.70 HIGH WATER LEVEL @ +98.04

NEW MH SW21 CL=98.700 IL=96.210

KLARGESTER CLASS 1 BYPASS PETROL INTERCEPTOR REF. NSB030 100mm INTERNAL DROP

SURFSEP SILT TRAP SW0806 OR SIMILAR APPROVED

NEW MH SW20 CL=98.340 IL=96.250

NEW MH SW19 CL=99.100 IL=96.400

NEW MH SW18 CL=99.150 IL=96.650

NEW MH SW5 CL=99.100 IL=97.550

NEW MH SW6 CL=99.100 IL=97.200

NEW MH SW7 CL=99.250 IL=96.930

NEW MH SW8 CL=99.050 IL=96.900

NEW MH SW10 CL=98.200 IL=96.600

NEW MH SW17 CL=99.000 IL=97.500

NEW MH SW4 CL=99.100 IL=97.400

NEW MH SW1 CL=99.100 IL=97.500

NEW MH SW18 CL=99.400 IL=96.850

NEW MH SW15 CL=99.400 IL=96.800

NEW MH SW12 CL=99.100 IL=97.050

MH F01 CL=98.25 IL=96.35

MH F02 CL=99.80 IL=97.42

NEW MH SW3 CL=99.750 IL=96.870

SMH05 CL=97.00 IL=94.84

FMH16 CL=97.00 IL=93.56

FMH14 CL=97.40 IL=93.90

SMH04 CL=97.40 IL=95.14

SMH03 CL=97.70 IL=95.26

FMH13 CL=00.00 IL=95.50 (TBC)

SMH02 CL=99.15 IL=95.50

FMH12 CL=100.00 IL=96.50

2m HIGH BLACK POWDER COATED RAILING TO SITE BOUNDARY

1.8m HIGH FOOTPATH AROUND THE BUILDING

LANDSCAPING

LEVEL ENTRY DOOR

WAREHOUSE FFL +99.40

DOCK OFFICE

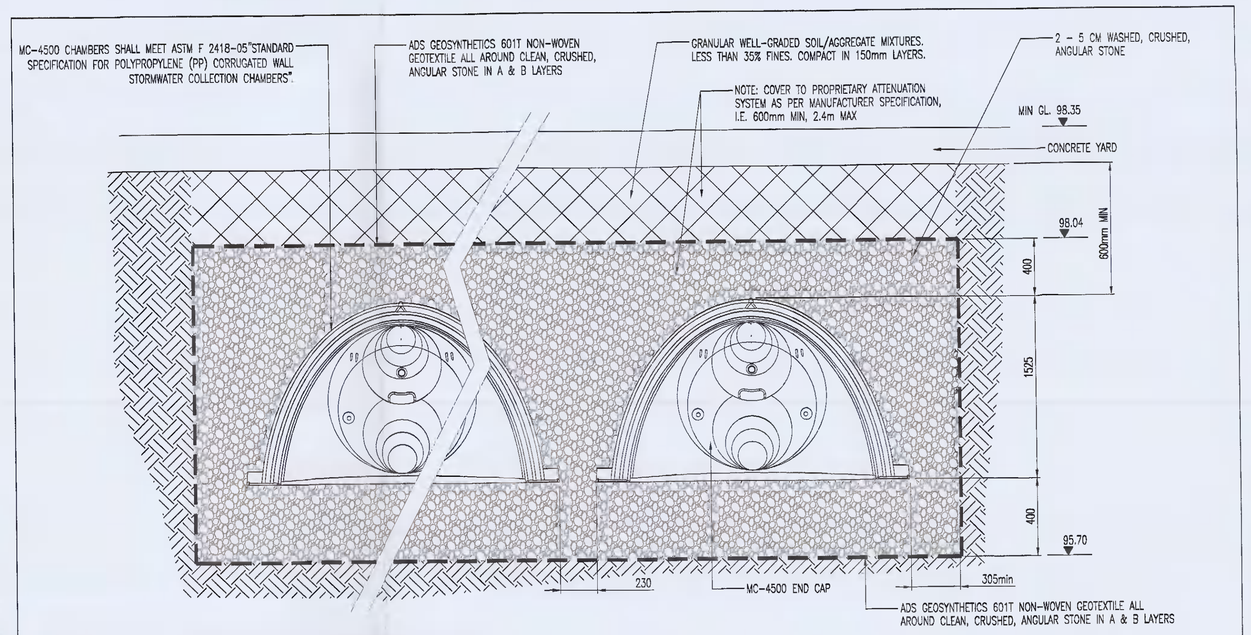
FIRE ESCAPE

10No. VAN LOADING LEVEL ENTRY DOORS

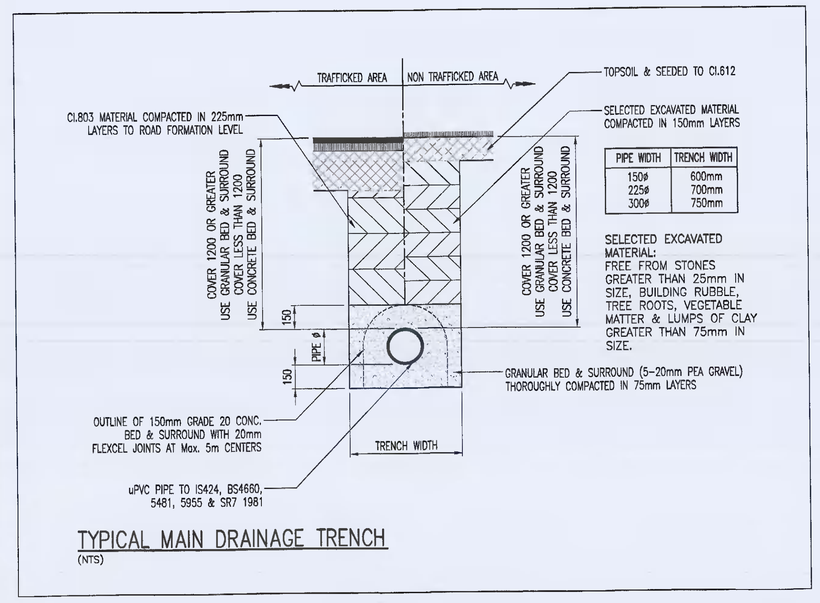
2No. VANS LOADING

EXISTING ESTATE ACCESS ROAD

Area Hatched Grey as per Granted Planning Permission Reg. Ref. SD18A/0265



STORMTECH CHAMBER DETAIL AT SECTION A-A
(NTS)



TYPICAL MAIN DRAINAGE TRENCH
(NTS)

FOR WATERMAIN DETAILS, FOUL SEWER DETAILS, AND ALL ASSOCIATED WORKS DETAILS REFER TO IRISH WATER DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER AND WASTEWATER INFRASTRUCTURE:

- IW-CDS-5020-1
- IW-CDS-5020-3
- IW-CDS-6030-1
- IW-CDS-6030-3

WASTEWATER PIPE MATERIALS:

All sewer pipe materials to be in compliance with section 3.13 of the Irish Water "Code of Practice for Wastewater Infrastructure" Ref. IW-CDS-6030-03

WATERMAIN PIPE MATERIALS:

All watermain pipe material to comply with section 3.9 of the Irish Water "Code of Practice for Wastewater Infrastructure" Ref. IW-CDS-5020-03

PERMITTED DRAWING
(PROVIDED FOR RECORD PURPOSES ONLY)
SDCC GRANTED PLANNING REGISTER
REFERENCE No. SD21A/0200

Rev.	Date	By	Chk.	App.	Revision
PL6	21-10-21	BK	PK		ISSUED FOR PLANNING AI
PL5	19-10-21	BK	PK		ISSUED FOR PLANNING AI
PL4	12-10-21	BK	PK		ISSUED FOR PLANNING

Drawing Status: PLANNING

Job Title: INDUSTRIAL DEVELOPMENT AT SITE C, COLLEGE LANE, GREENOGUE RATHCOOLE, Co. DUBLIN

Drawing Title: DRAINAGE & WATERMAIN LAYOUT

Architect/Client: JORDANSTOWN PROPERTIES LTD

KAVANAGH BURKE CONSULTING ENGINEERS
Tel. 01 - 450 0694 Unit G3, Calmount Pk.
Fax. 01 - 426 6940 Ballymount,
Email: pkavanagh@kavanaghburke.ie Dublin 12.

Dr. BK	Checked PK	Approved PK
Scale 1:500 @ A0		Date JULY 2019
Job No. D1658	Drawing No. D3	Rev. PL6