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 (SV, HYDRANT)
- 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=95.20 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=94.690

EX. SMH 02 CL=98.470 IL=94.50

FMH17 CL=98.55 IL=92.72

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

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

NEW MH SW24 CL=99.100 IL=95.400

NEW MH SW23 CL=99.250 IL=95.600

NEW MH SW7 CL=99.000 IL=97.500

NEW MH SW5 CL=99.100 IL=97.200

NEW MH SW6 CL=99.100 IL=97.550

NEW MH SW14 CL=99.100 IL=97.400

NEW MH SW11 CL=99.100 IL=97.500

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

NEW MH SW4 CL=99.600 IL=97.500

NEW MH SW10 CL=98.200 IL=95.600

NEW MH SW3 CL=100.955 IL=99.000

NEW MH SW2 CL=101.150 IL=99.700

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

NEW MH SW1 CL=101.750 IL=100.200

FFL +97.100m

WAREHOUSE FFL +98.40

LEVEL ENTRY DOOR

DOCK OFFICE

FIRE ESCAPE

3No. VANS LOADING

10No. VAN LOADING LEVEL ENTRY DOORS

MH F01 CL=99.25 IL=96.35

MH F02 CL=99.60 IL=97.42

NEW MH SW3 CL=99.750 IL=96.670

NEW MH SW16 CL=99.150 IL=96.650

NEW MH SW19 CL=99.100 IL=96.400

NEW MH SW20 CL=96.340 IL=96.250

NEW MH SW21 CL=98.700 IL=96.210

FMH12 CL=100.00 IL=96.50

FMH13 CL=00.00 IL=95.50 (TBC)

SMH02 CL=99.15 IL=95.50

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

2m HIGH BLACK POWDER COATED RAILING TO SITE BOUNDARY

1.8m HIGH PALISADE FENCE

LANDSCAPING

EXISTING 150ø WATERMAIN

EXISTING SEWER

EXISTING SEPTIC TANK TO BE DECOMMISSIONED

EXISTING SEWER TO BE DIVERTED

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

KLARGESTER CLASS 1 BYPASS PETROL INTERCEPTOR REF. NSB03D3 100mm INTERNAL DROP

SURFSEP SILT TRAP SW080S OR SIMILAR APPROVED

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:

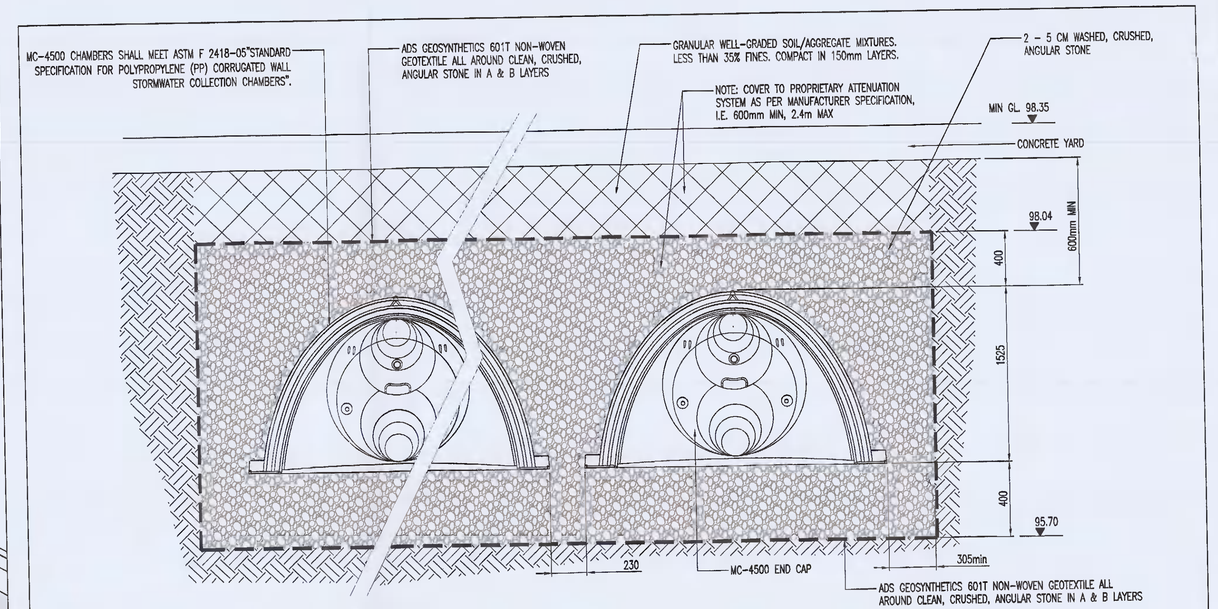
- IW-CDS-5020-1
- IW-CDS-5020-3
- IW-CDS-5030-1
- IW-CDS-5030-3

WASTEWATER PIPE MATERIALS:

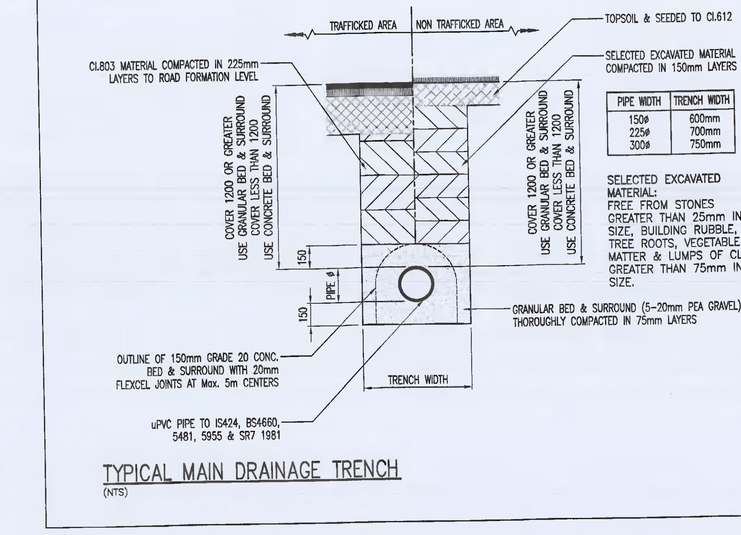
All sewer pipe materials to be in compliance with section 3.13 of the Irish Water "Code of Practice for Wastewater Infrastructure" Ref. IW-CDS-5030-03

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



STORMTECH CHAMBER DETAIL AT SECTION A-A
(NTS)



TYPICAL MAIN DRAINAGE TRENCH
(NTS)

Mark	Date	By	Chk.	Revision
PL6	08-11-21	BK	PK	ISSUED FOR PLANNING AI
PL5	19-10-21	BK	PK	ISSUED FOR PLANNING AI
PL4	02-03-21	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 - 626 4340 Ballymount,
Email: pkavanagh@kavanaghburke.ie Dublin 12.

Drn	Checked	Approved
BK	PK	PK

Scale: 1:500 @ A0 Date: JULY 2019

Job No.	Drawing No.	Rev.
D1658	D3	PL6