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)
- DENOTES PROPOSED BUILDING
- DENOTES 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=95.00
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

FMH17
CL=98.55
IL=92.72

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

EXISTING YARD WATER MAIN

NEW MH SW24
CL=99.100
IL=95.400

NEW MH SW23
CL=99.250
IL=95.600

NEW MH SW5
CL=99.100
IL=97.550

NEW MH SW6
CL=99.100
IL=97.200

NEW MH SW7
CL=99.000
IL=97.500

NEW MH SW14
CL=99.100
IL=97.400

NEW MH SW11
CL=99.100
IL=97.500

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

NEW MH SW4
CL=99.600
IL=97.500

NEW MH SW3
CL=100.850
IL=99.000

NEW MH SW2
CL=101.150
IL=99.700

NEW MH SW1
CL=101.750
IL=100.000

NEW MH SW10
CL=98.200
IL=96.600

NEW MH SW8
CL=99.400
IL=96.850

NEW MH SW5
CL=99.400
IL=96.800

NEW MH SW2
CL=99.100
IL=97.100

WAREHOUSE REF. SW40

DOCK LEVELLER LEVEL ENTRY DOOR

LEVEL ENTRY DOOR

DOCK OFFICE

FIRE ESCAPE

10No. VAN LOADING LEVEL WITH DOORS

4No. VANS LOADING

84m² GREEN ROOF

2m HIGH BLACK ROUND BAR RAILING TO SITE BOUNDARY/ FENCE TYPE 1

1.8m OF FOOTPATH AROUND THE BUILDING

LANDSCAPING

EXISTING ESTATE ACCESS ROAD

WAREHOUSE DEVELOPMENT SITE A UNDER CONSTRUCTION (AS GRANTED PLANNING UNDER SD18A/0265)

WAREHOUSE DEVELOPMENT SITE B UNDER CONSTRUCTION (AS GRANTED PLANNING UNDER SD18A/0265)

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

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

98.60

98.00

98.5

FMH12
CL=100.00
IL=96.50

NEW MH SW21
CL=98.700
IL=96.210

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 SW13
CL=99.750
IL=96.870

MH F02
CL=99.80
IL=97.42

WATER HOLDING TANK FOR FIRE FIGHTING PURPOSES (SPRINKLER TANK) & PUMP HOUSE

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

KLARGESTER CLASS 1 BYPASS PETROL INTERCEPTOR REF. NSB0330
100mm INTERNAL DROP

SURFSEP SILT TRAP SW0806 OR SIMILAR APPROVED

GREEN WALL

PALADIN FENCE TYPE 02

8No. CAR PARKING SPACES

4No. VAN PARKING SPACES

LANDSCAPING LANDSCAPING

FFL=97.41

MC-4500 CHAMBERS SHALL MEET ASTM F 2418-05"STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE ALL AROUND CLEAN, CRUSHED, ANGULAR STONE IN A & B LAYERS

GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES. LESS THAN 35% FINES. COMPACT IN 150mm LAYERS.

NOTE: COVER TO PROPRIETARY ATTENUATION SYSTEM AS PER MANUFACTURER SPECIFICATION, I.E. 600mm MIN, 2.4m MAX

2 - 5 CM WASHED, CRUSHED, ANGULAR STONE

MIN CL. 98.35

CONCRETE YARD

98.04

600mm MIN

400

1525

400

95.70

305mm

230

MC-4500 END CAP

ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE ALL AROUND CLEAN, CRUSHED, ANGULAR STONE IN A & B LAYERS

STORMTECH CHAMBER DETAIL AT SECTION A-A
(NTS)

TRAFFICKED AREA | NON TRAFFICKED AREA

TOPSOIL & SEEDED TO Cl.612

SELECTED EXCAVATED MATERIAL COMPACTED IN 150mm LAYERS

Cl.803 MATERIAL COMPACTED IN 225mm LAYERS TO ROAD FORMATION LEVEL

PIPE WIDTH	TRENCH WIDTH
150ø	600mm
225ø	700mm
300ø	750mm

COVER 1200 OR GREATER USE GRANULAR BED & SURROUND
COVER LESS THAN 1200 USE CONCRETE BED & SURROUND

COVER 1200 OR GREATER USE GRANULAR BED & SURROUND
COVER LESS THAN 1200 USE CONCRETE BED & SURROUND

SELECTED EXCAVATED MATERIAL: FREE FROM STONES GREATER THAN 25mm IN SIZE, BUILDING RUBBLE, TREE ROOTS, VEGETABLE MATTER & LUMPS OF CLAY GREATER THAN 75mm IN SIZE.

150

PIPE ø

150

GRANULAR BED & SURROUND (5-20mm PEA GRAVEL) THOROUGHLY COMPACTED IN 75mm LAYERS

OUTLINE OF 150mm GRADE 20 CONC. BED & SURROUND WITH 20mm FLEXICEL JOINTS AT Max. 5m CENTERS

TRENCH WIDTH

uPVC PIPE TO IS424, BS4660, 5481, 5955 & SR7 1981

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-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

P1.3	24/3/22	BK	PK	PLANNING PERMISSION ALTERATIONS
P1.2	17/3/22	BK	PK	PLANNING PERMISSION ALTERATIONS
P1.1	31/1/22	BK	PK	ISSUED FOR PLANNING A1
P1.0	9/9/21	BK	PK	ISSUED FOR PLANNING A1
Mark	Date	By	Chk	Revision

Drawing Status: PLANNING ALTERATION (MARCH 2022)

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

Drawing Title: DRAINAGE & WATERMAIN LAYOUT - Proposed

Client/Client: JORDANSTOWN PROPERTIES LTD

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Drn	BK	Checked	PK	Approved	PK
Scale	1:500 @ A0			Date	MARCH 2022

Job No.	Drawing No.	Rev.
D1658	D3 P	PL8