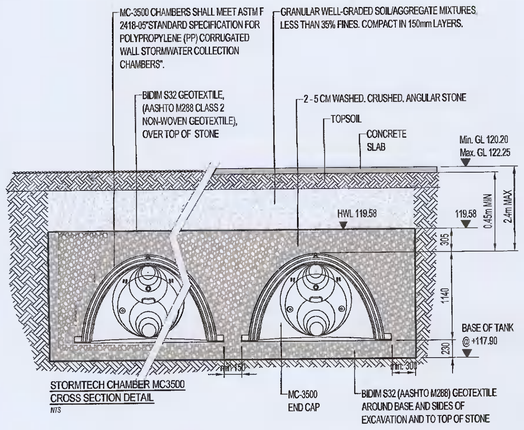
A1

LEGEND:

- EXISTING SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED RAIN WATER PIPE (CLEAN ROOF RUNOFF) — RWP
- PROPOSED ACO DRAIN (TO SW DRAINAGE) — ACO DRAIN
- PROPOSED SURFACE WATER DRAINAGE (DISCHARGE PIPE)
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- EXISTING WATER MAIN
- NEW WATERMAIN — Hydrant, SV
- TOPOGRAPHICAL SURVEY DATA — 124.75
- DENOTES CONCRETE TO PROPOSED TRUCK YARD
- DENOTES CONCRETE TO PROPOSED FOOTPATH
- DENOTES PERMEABLE ROAD
- DENOTES GRASSCRETE FOR FIRE TENDER ACCESS
- DENOTES TYPICAL ROOF TO ARCH DESIGN
- DENOTES LANDSCAPING

PROPOSED SuDS DEVICES THROUGHOUT DEVELOPMENT:

1. PERMEABLE PAVING *(TO THE ROADS OF THE CAR PARKING)*
2. GRASSCRETE PAVING *(TO THE CAR PARKING SPACES)*



STORMTECH CHAMBER MC3500 CROSS SECTION DETAIL
NTS

DEVELOPMENT PERMITTED IN ACCORDANCE WITH ABP REF.306602-20.

PROPOSED FOUL SEWER DISCHARGE LOCATION TO EXISTING MANHOLE AT MAGNA DRIVE AT IL 120.57

HydroBrake MH
SW MH 15
CL= 120.00
HB IL=118.05
Flow control device to be placed on outlet of MH to limit flow to: Q_{max}= 6.83 l/sec

PROPOSED LOCATION OF SURFACE WATER DISCHARGE TO EXISTING MANHOLE AT MAGNA DRIVE AT IL 117.93

PROPOSED PALADIN FENCE

PROPOSED STORMTECH ATTENUATION SYSTEM MC3500
- MIN. REQUIRED VOL.- 2453 m³
- VOLUME PROVIDED: 2650 m³
- PROPOSED AREA: 2220 m²
- BASE OF TANK @ +117.90
- HIGH WATER LEVEL @+119.58
- MIN. GROUND LEVEL ABOVE ATT.SYSTEM @+120.20
- MAX. GROUND LEVEL ABOVE ATT.SYSTEM @+122.25

ESB SUBSTATION

SPRINKLER TANK & PUMP HOUSE

SITE AREA OUTLINED IN RED 3.03 HA (7.48 AC)

CONCRETE YARD

2.5m HEIGHT TIMBER BARRIER

FIRE TENDER ACCESS SWINGING GATE STEEL SHEATED

2.5m HEIGHT BLOCKWORK WALL RENDERED.

WATERMAIN SERVICE CONNECTION WITH BOUNDARY BOX & IRISH WATER COMPLIANT WATER METER

LANDSCAPE SCREENING REFER TO LANDSCAPE ARCHITECT DRAWINGS & SPECIFICATIONS

PROPOSED LOCATION OF CONNECTION TO LOCAL AUTHORITY WATERMAIN AT MAGNA AVENUE

MAGNA DR

MAGNA AVENUE

LANDSCAPING

RETAINING WALL

RETAINING WALL TO RAMP

ANCILLARY OFFICE FFL=124.00

WAREHOUSE FFL=122.80

LEVEL ENTRY DOOR

TWO DOOR EVELLES

OCTANE CHINA TOWN

Mark	Date	By	Chk.	App.	Revision
PL1	17/03/2022	PB	ED	PK	ISSUED FOR PLANNING

Drawing Status: PLANNING

Job Title: WAREHOUSE DEVELOPMENT AT MAGNA BUSINESS PARK, DUBLIN 24, Co. DUBLIN

Drawing Title: DRAINAGE AND WATERMAIN LAYOUT

Architect/Client: ROCKFACE DEVELOPMENTS LTD.

KAVANAGH BURKE CONSULTING ENGINEERS
Tel. 01 - 450 0694
Fax. 01 - 426 4340
Email:pkavanagh@kavanaghburke.ie
Unit F3, Calmount Pk.
Ballymount,
Dublin 12

Drn	Checked	Approved
PB	ED	PK

Scales: 1:500 — Date: January 2022

Job No.	Drawing No.	Rev.
D1720	D3	PL1