

100
10
0
Millimetres

DO NOT SCALE

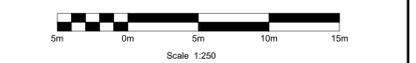
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

- CONSTRUCTION**
- DEEP EXCAVATIONS
 - CONFINED SPACES
- MAINTENANCE/CLEANING**
- DEEP EXCAVATIONS
 - CONFINED SPACES
- DECOMMISSIONING/DEMOLITION**
- NONE IDENTIFIED

- NOTES:**
1. DRAWING ONLY TO BE USED FOR THE PURPOSE FOR WHICH IT WAS CREATED.
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 3. ONLY DIMENSIONS SHOWN SHALL BE USED, DO NOT SCALE.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS.
 5. SAFETY, HEALTH AND ENVIRONMENT INFORMATION TO BE READ IN CONJUNCTION WITH PRE CONSTRUCTION INFORMATION.
 6. THE SURFACE WATER DRAINAGE DESIGN WILL REQUIRE APPROVAL BY THE SAA (SUDS APPROVING BODY).
 7. FOUL DRAINAGE CONNECTION WILL REQUIRE WATER INDUSTRY ACT SECTION 106 AGREEMENT TO BE IN PLACE BEFORE CONNECTION CAN BE MADE.

- LEGEND:**
- SURFACE WATER NETWORK
 - EXISTING PRIVATE SW SEWER
 - EXISTING DCWW SW SEWER
 - FOUL WATER NETWORK
 - EXISTING FOUL SEWER
 - PERFORATED PIPE
 - FLOW DIRECTION
 - PROJECT BOUNDARY
 - GREEN SUDS AREA
 - HARD PERMEABLE SURFACES
 - RAINWATER HARVESTING TANK



Rev.	Date	Description	By	Chk'd	App'd

FOR INFORMATION S2

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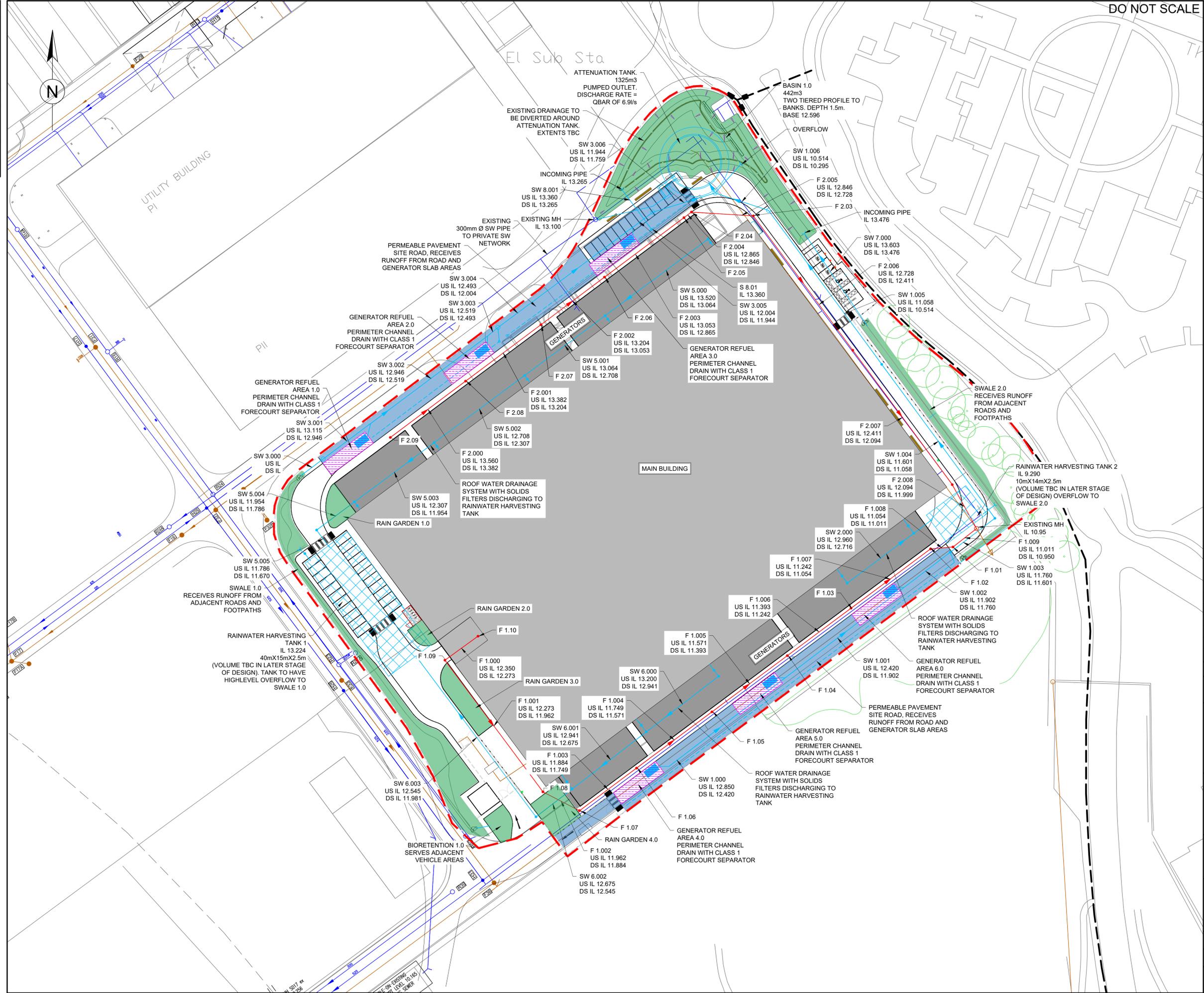
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Client
NEXT GENERATION DATA (DC3)

Project Title
DATA CENTRE THREE

Drawing Title
DRAINAGE LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1:500	SF	SF	TR	--
Original Size	Date	Date	Date	Date
A1	23/10/2020	23/10/2020	23/10/2020	--
Drawing Number	Revision			
5197938-ATK-XX-XX-DR-CE-281001	P01			



UTILITY BUILDING

El Sub Sta

ATTENUATION TANK
1325m³
PUMPED OUTLET.
DISCHARGE RATE =
QBAR OF 6.9l/s

BASIN 1.0
442m³
TWO TIERED PROFILE TO
BANKS. DEPTH 1.5m.
BASE 12.596

PERMEABLE PAVEMENT
SITE ROAD, RECEIVES
RUNOFF FROM ROAD AND
GENERATOR SLAB AREAS

GENERATOR REFUEL
AREA 2.0
PERIMETER CHANNEL
DRAIN WITH CLASS 1
FORECOURT SEPARATOR

GENERATOR REFUEL
AREA 1.0
PERIMETER CHANNEL
DRAIN WITH CLASS 1
FORECOURT SEPARATOR

SWALE 1.0
RECEIVES RUNOFF FROM
ADJACENT ROADS AND
FOOTPATHS

RAINWATER HARVESTING
TANK 1
IL 13.224
40mX15mX2.5m
(VOLUME TBC IN LATER STAGE
OF DESIGN). TANK TO HAVE
HIGHLEVEL OVERFLOW TO
SWALE 1.0

RAIN GARDEN 2.0

RAIN GARDEN 3.0

RAIN GARDEN 4.0

BIORETENTION 1.0
SERVES ADJACENT
VEHICLE AREAS

MAIN BUILDING

GENERATORS

ROOF WATER DRAINAGE
SYSTEM WITH SOLIDS
FILTERS DISCHARGING TO
RAINWATER HARVESTING
TANK

GENERATOR REFUEL
AREA 6.0
PERIMETER CHANNEL
DRAIN WITH CLASS 1
FORECOURT SEPARATOR

GENERATOR REFUEL
AREA 5.0
PERIMETER CHANNEL
DRAIN WITH CLASS 1
FORECOURT SEPARATOR

ROOF WATER DRAINAGE
SYSTEM WITH SOLIDS
FILTERS DISCHARGING TO
RAINWATER HARVESTING
TANK

GENERATOR REFUEL
AREA 4.0
PERIMETER CHANNEL
DRAIN WITH CLASS 1
FORECOURT SEPARATOR

PERMEABLE PAVEMENT
SITE ROAD, RECEIVES
RUNOFF FROM ROAD AND
GENERATOR SLAB AREAS

RAINWATER HARVESTING TANK 2
IL 9.290
10mX14mX2.5m
(VOLUME TBC IN LATER STAGE
OF DESIGN) OVERFLOW TO
SWALE 2.0

EXISTING MH
IL 10.95
F 1.009
US IL 11.011
DS IL 10.950
SW 1.003
US IL 11.760
DS IL 11.601

