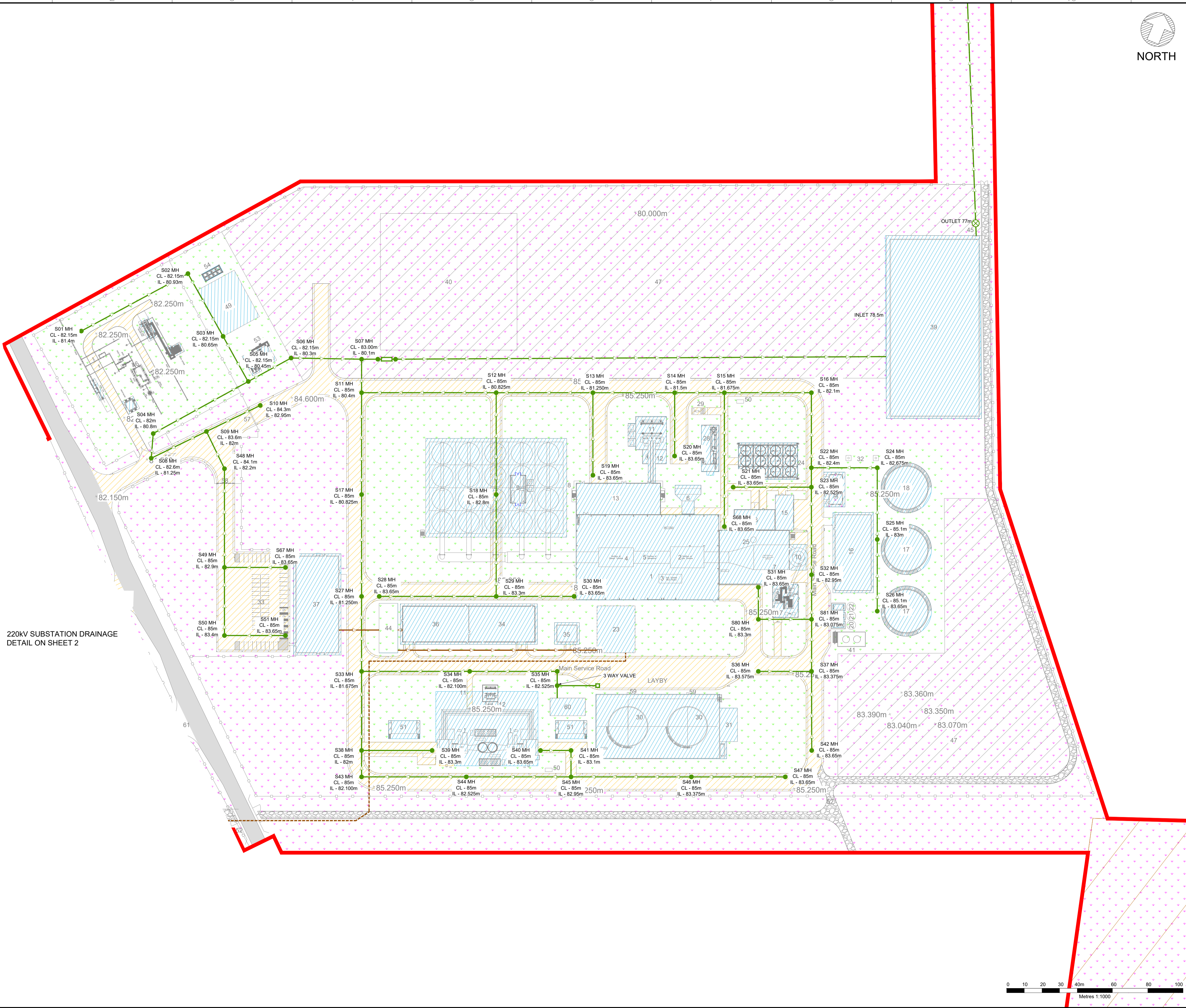


LEGEND

- RED LINE BOUNDARY
- HARDSTANDING AREA (IMPERMEABLE)
- LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF WILL NOT ENTER PROPOSED DRAINAGE SYSTEM
- LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF MAY ENTER PROPOSED DRAINAGE SYSTEM
- BUILT AREA (IMPERMEABLE)
- SURFACE WATER SEWER
- SURFACE WATER MANHOLE
- PROCESS WATER
- FOUL WATER SEWER
- FOUL WATER MANHOLE
- HYDROCARBON INTERCEPTOR CLASS 1
- ⊗ FLOW CONTROL DEVICE
- CONNECTION POINT FOR FINAL LAYBY DRAINAGE DESIGN
- GRAVEL (PERMEABLE)

Notes.

- All levels refer to mAOD.
- Drainage design for planning purposes.
- Where manholes are not shown, assume manholes at 60m approximate centres.
- Downpipe locations on building to be determined at detailed design stage. All downpipes to building roofs to be tied into nearest surface water drainage line.
- Pumped process pipe line to be kept at around 1m below proposed ground level. Exact depth to be determined upon detailed design.
- Gravity foul line from buildings to Foul Water Treatment building. Foul line from the Foul Water Treatment building to process water tank to be pumped or gravity fed depending on detail design requirements
- Hydraulic capacity checks to be carried out at detailed design stage.
- Secondary fuel and chemical delivery/unloading areas shall, where appropriate, form a containment area, the areas shall be laid to falls and direct any spillage and wash down to a suitable containment sump or chemical drains system (chemical areas only).
- See reference S7060-0030-0021 for drainage design supporting information.



220kV SUBSTATION DRAINAGE
DETAIL ON SHEET 2

R1.0	FOR PLANNING	DTW	AO1	OHL	30.01.24
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Tel: +353 (1) 506 0632
Website: www.fichtner.ie

CLIENT: **Bord na Móna Powergen Limited**

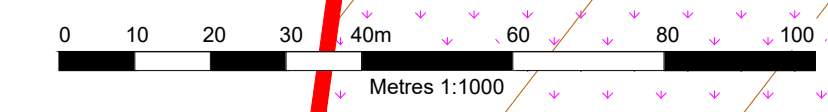
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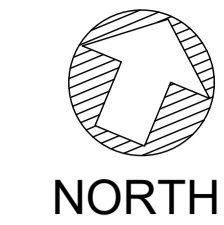
PROJECT: **Derrygreenagh Power**

TITLE: **SITE DRAINAGE PLAN
POWER PLANT AREA - MAIN SITE
(SHEET 1 OF 4)**

DRAWING STATUS:	FOR PLANNING	
DRAWN BY:	AO1	DATE: 30.01.24
CHECKED BY:	DTW	DATE: 30.01.24
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FILENAME:		
OFFICE OF ISSUE:	DUBLIN	
SHEET SIZE:	A1	SCALE: 1:1000
DRAWING No.:	S7060-8050 0044-1	

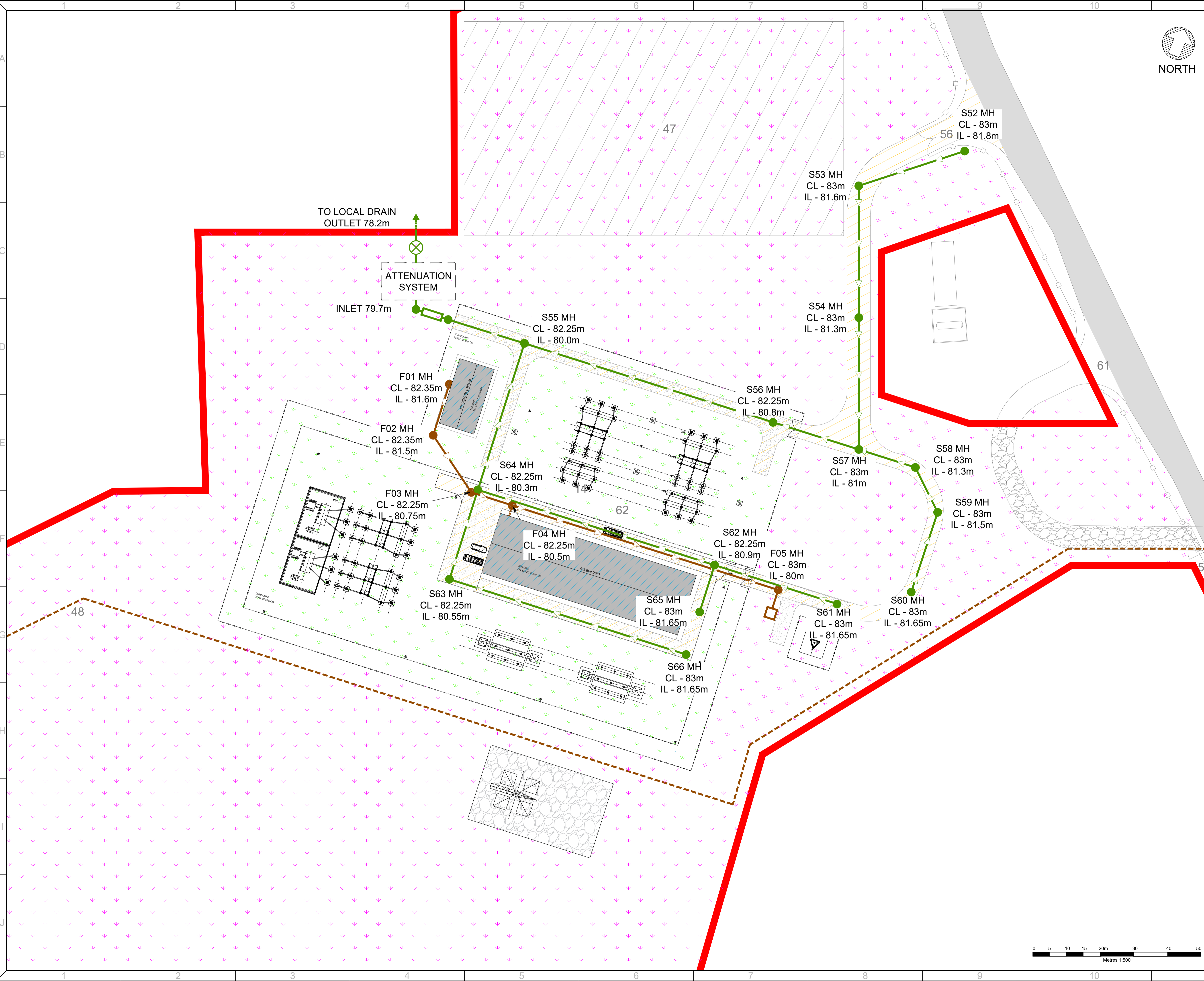
REVISION: **R1.0**
Sheet 1 of 4





- LEGEND**
- RED LINE BOUNDARY
 - HARDSTANDING AREA (IMPERMEABLE)
 - LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF WILL NOT ENTER PROPOSED DRAINAGE SYSTEM
 - LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF MAY ENTER PROPOSED DRAINAGE SYSTEM
 - BUILT AREA (IMPERMEABLE)
 - SURFACE WATER SEWER
 - SURFACE WATER MANHOLE
 - PROCESS WATER
 - FOUL WATER SEWER
 - FOUL WATER MANHOLE
 - HYDROCARBON INTERCEPTOR CLASS 1
 - ⊗ FLOW CONTROL DEVICE
 - GRAVEL (PERMEABLE)
 - FOUL WATER HOLDING TANK

- Notes.**
- All levels refer to mAOD.
 - Drainage design for planning purposes.
 - Where manholes are not shown, assume manholes at 60m approximate centres.
 - Downpipe locations on building to be determined at detailed design stage. All downpipes to building roofs to be tied into nearest surface water drainage line.
 - Hydraulic capacity checks to be carried out at detailed design stage.
 - See reference S7060-0030-0021 for drainage design supporting information.



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Tel: +353 (1) 506 0632
Website: www.fichtner.ie

CLIENT: **Bord na Móna Powergen Limited**

SITE:

PROJECT: **Derrygreenagh Power**

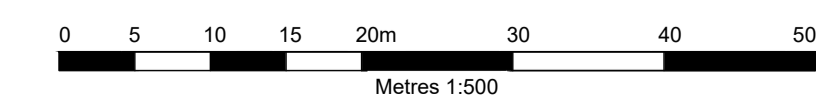
TITLE: **SITE DRAINAGE PLAN
220kV COMPOUND
(SHEET 2 OF 4)**

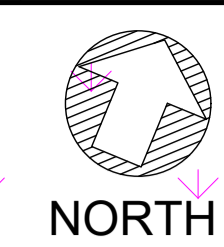
DRAWING STATUS:	FOR PLANNING	
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FILENAME:
OFFICE OF ISSUE: DUBLIN

SHEET SIZE: A1 SCALE: 1:500

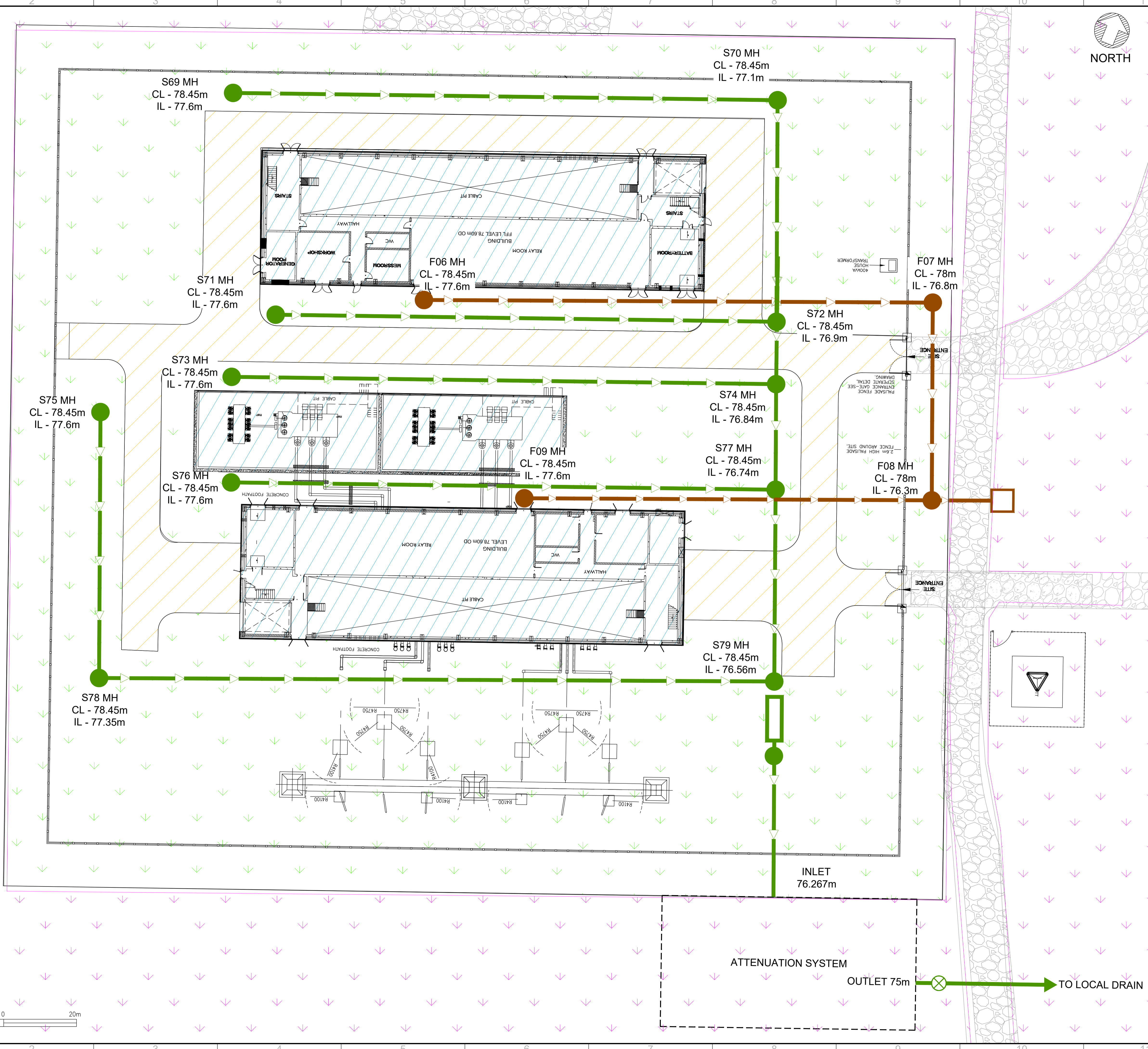
DRAWING No.: **S7060-8050 0044-2** Sheet 2 of 4 REVISION: **R1.0**



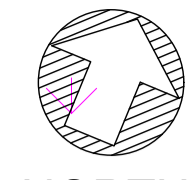


- LEGEND**
- RED LINE BOUNDARY
 - HARDSTANDING AREA (IMPERMEABLE)
 - LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF WILL NOT ENTER PROPOSED DRAINAGE SYSTEM
 - LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF MAY ENTER PROPOSED DRAINAGE SYSTEM
 - BUILT AREA (IMPERMEABLE)
 - SURFACE WATER SEWER
 - SURFACE WATER MANHOLE
 - PROCESS WATER
 - FOUL WATER SEWER
 - FOUL WATER MANHOLE
 - HYDROCARBON INTERCEPTOR CLASS 1
 - FLOW CONTROL DEVICE
 - GRAVEL (PERMEABLE)
 - FOUL WATER HOLDING TANK

- Notes:**
- All levels refer to mAOD.
 - Drainage design for planning purposes.
 - Where manholes are not shown, assume manholes at 60m approximate centres.
 - Downpipe locations on building to be determined at detailed design stage. All downpipes to building roofs to be tied into nearest surface water drainage line.
 - Hydraulic capacity checks to be carried out at detailed design stage.
 - See reference S7060-0030-0021 for drainage design supporting information.
















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CONSULTING ENGINEERS LIMITED 77 Sir John Rogerson's Quay, Block C, Grand Canal Docklands, Dublin 2, D02 VK60 Tel: +353 (1) 506 0632 Website: www.fichtner.ie					
CLIENT: Bord na Móna Powergen Limited					
PROJECT: Derrygreenagh Power					
TITLE: SITE DRAINAGE PLAN 400KV COMPOUND (SHEET 3 OF 4)					
DRAWING STATUS: FOR PLANNING					
DRAWN BY:	AO1	DATE:	30.01.24		
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FILENAME:					
OFFICE OF ISSUE: DUBLIN			DUBLIN		
SHEET SIZE: A1			SCALE: 1:250		
DRAWING No.: S7060-8050 0044-3					REVISION: R1.0



NORTH

LEGEND

-  RED LINE BOUNDARY
-  HARDSTANDING AREA (IMPERMEABLE)
-  LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF WILL NOT ENTER PROPOSED DRAINAGE SYSTEM
-  LANDSCAPING (PERMEABLE) FROM WHICH RUNOFF MAY ENTER PROPOSED DRAINAGE SYSTEM
-  BUILT AREA (IMPERMEABLE)
-  SURFACE WATER SEWER
-  SURFACE WATER MANHOLE
-  PROCESS WATER
-  FOUL WATER SEWER
-  FOUL WATER MANHOLE
-  HYDROCARBON INTERCEPTOR CLASS 1
-  FLOW CONTROL DEVICE
-  GRAVEL (PERMEABLE)

Notes.

- All levels refer to mAOD.
- Drainage design for planning purposes.
- See reference S7060-0030-0021 for drainage design supporting information.

R1.0	FOR PLANNING	DTW	AO1	OHL	30.01.24
REV.	DETAILS OF REVISION	DRAWN	CHKD	APR	DATE

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CLIENT: Bord na Móna Powergen Limited

SITE:

PROJECT: Derrygreenagh Power

TITLE: SITE DRAINAGE PLAN
INTERFACE COMPOUND
(SHEET 4 OF 4)

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 SHEET SIZE: A1 SCALE: 1:200

DRAWING No.: S7060-8050 0044-4 Sheet 4 of 4 REVISION: R1.0

