CONDITION OF EXISTING DRAINAGE TO BE INSPECTED FOR REUSABILITY AND REPLACED IF REQUIRED. COVER LEVELS AND INVERT LEVELS TO BE AMENDED TO SUIT DETAILED DESIGN

SCOTTISH WATER HP WATER MAINS TO BE DIVERTED ALONGSIDE FOREST ROAD

HYDROBRAKE CHAMBER

No.5

No.4

No.1

CB01 TOWER

EXISTING SEPTIC TANK AND ASSOCIATED DRAINAGE TO BE REMOVED

MULTIPLE UTILITIES INCLUDING HV CABLES IDENTIFIED WITHIN VERGE AND TO BE IDENTIFIED ON SITE PRIOR TO COMMENCING WORK.

No.1

No.1

FOR ELECTRICAL LAYOUT SEE DRAWING 22119-BHK-CUMB-SUB-D-E-000101_P01

HYDROBRAKE CHAMBER

No.2

ADDITIONAL TOPOGRAPHICAL INFORMATION REQUIRED TO COMPLETE EARTHWORKS DETAILED DESIGN

No.5

FOR EXTERNAL WORKS LAYOUT SEE 22119-BHK-CUMB-SUB-D-C-000101

No.3

No.4

POTENTIAL CLASH BETWEEN CUT OFF DITCH AND PROPOSED TOWER WB021C. EARTHWORKS TO BE LOCALLY STEEPENED OR DITCH TO BE PIPED ACROSS THIS SECTION.

OVERLAND FLOW DIVERSION TO CONTINUE TO GLENCRYAN BURN

PROPOSED TOWER WB021C

OUTLET AND LEVELS TO GLENCRYAN BURN TO BE DEVELOPED IN DETAILED DESIGN

27B

KEY:

- EXISTING SURFACE WATER DRAINAGE
- EXISTING SURFACE WATER DRAINAGE TO BE GRUBBED UP
- EXISTING FOUL WATER DRAINAGE
- PROPOSED SURFACE WATER PIPE AND CHAMBER
- PROPOSED HYDROBRAKE CHAMBER
- PROPOSED HEADWALL INLET / OUTLET
- PROPOSED OIL SEPARATOR TBC AT DETAIL DESIGN
- PROPOSED FOUL WATER PIPE AND CHAMBER
- PROPOSED UNDERGROUND WASTE WATER TANK
- EARTHWORKS (CUT) FROM SITE BOUNDARY TO EXISTING GROUND LEVEL. INDICATIVE ONLY - EXTENT AND MAXIMUM ALLOWABLE GRADIENT TO BE CONFIRMED.
- EARTHWORKS (FILL) FROM SITE BOUNDARY TO EXISTING GROUND LEVEL. INDICATIVE ONLY - EXTENT AND MAXIMUM ALLOWABLE GRADIENT TO BE CONFIRMED.
- PROPOSED FILTER DRAIN AND CHAMBER
- PROPOSED LINEAR DRAIN
- PROPOSED POROUS PAVING WITH PERFORATED PIPE
- PROPOSED GULLY
- PROPOSED PERFORATED PIPE
- EXISTING SCOTTISH WATER MAINS AND CHAMBER
- PROPOSED SCOTTISH WATER MAINS DIVERSION
- RAINWATER PIPE WITH 100mmØ TAIL (BELOW SLAB)

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
4. DETAILS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
5. DRAWING TO BE PRINTED IN COLOUR.
6. POSITIONS OF ABOVE GROUND RAINWATER PIPES AND INTERNAL DRAINAGE PIPES SHOWN ARE INDICATIVE. SETTING OUT TO BE CONFIRMED BY ARCHITECT / STRUCTURAL ENGINEER.
7. SUBSTATION COMPOUND TO BE TYPE 3 SELF DRAINING MATERIAL, DRAINAGE DESIGN IS SUBJECT TO INFILTRATION TEST RESULTS FROM THE GROUND INVESTIGATION.

Health & Safety

CDM regulations 2015

Significant risks associated with this drawing are identified below and, where applicable, at specific locations on the drawing.
Refer to the CDM Regulation 9 Risk Register for full details.

1. LOCATE UNDERGROUND SERVICES AND INTRODUCE A SAFE REMOVAL PROCEDURE (HSG47)
2. WORKING CLOSE TO OVERHEAD LINES (HSE GUIDANCE NOTE GS6)
3. EXISTING 33kV SPD CIRCUITS BENEATH PROPOSED EARTHWORKS REQUIRING DIVERSION
4. EXISTING HIGH PRESSURE SCOTTISH WATER MAINS REQUIRING DIVERSION
5. RISK OF WORKING CLOSE OR ADJACENT TO WATER

Rev.	Date	Drawn	Reviewed	Approved	Reason / Description of changes.
P02	11/09/2025	CM	CC	RH	REVISED TO SUIT DRAINAGE AND ELECTRICAL LAYOUT, CDM NOTES ADDED
P01	14/08/2025	CC	LB	RH	FIRST ISSUE

SP Energy Networks | MORGAN SINDALL INFRASTRUCTURE | BakerHicks

Drg. Title: CUMBERNAULD SUBSTATION PROPOSED DRAINAGE LAYOUT

Location: Cumbernauld

Project: DWNO - DENNY TO WISHAW NETWORK OPTIMISATION

Drg. No.: 22119-BHK-CUMB-SUB-D-C-000201

Rev: P02

Status Code	Description	SPEN Ref. No. :	Scale:	Sheet:	Next:	Size:
S3	Suitable for Review and Comment	####	1:1000	01		A1

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