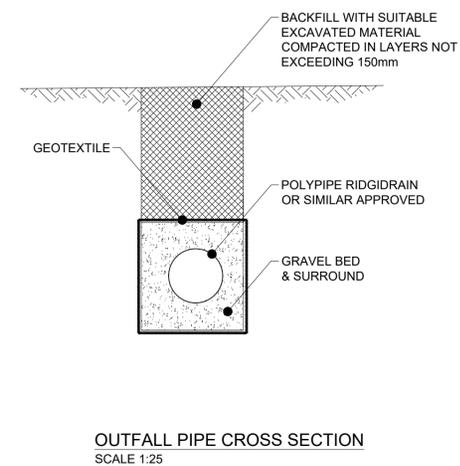
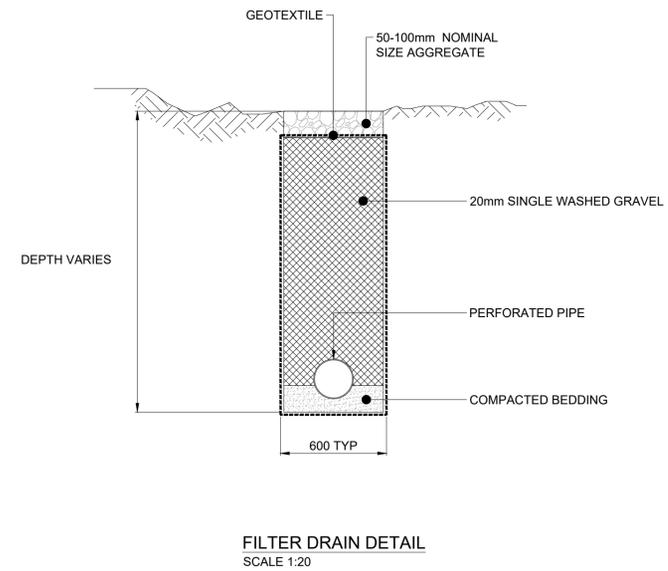
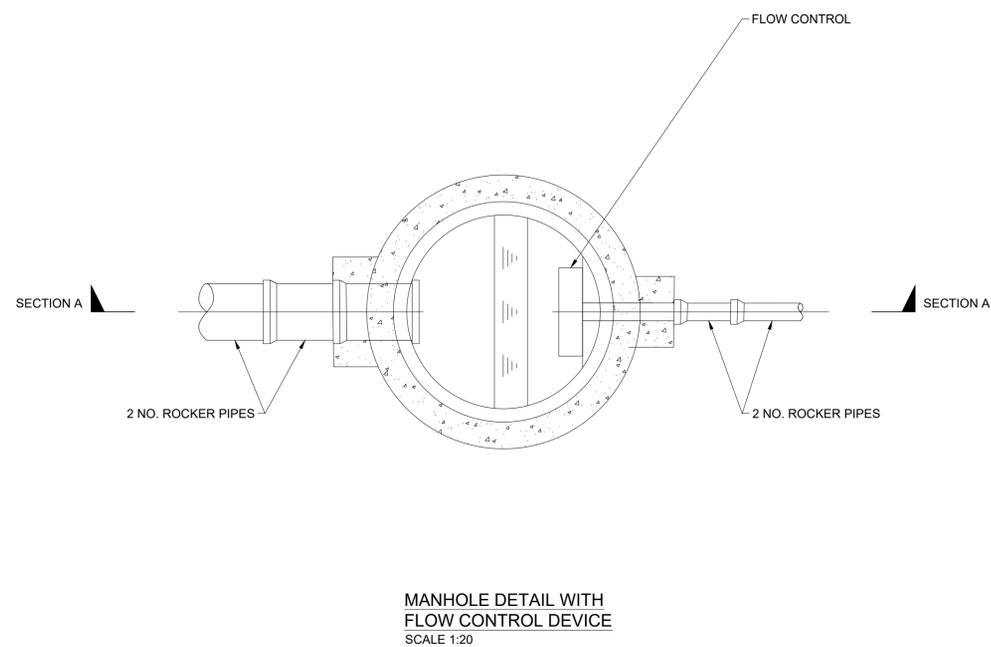


Ø OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200
375 - 700	1500
750 - 900	1800



- NOTES:
- DO NOT SCALE, ANY DISCREPANCIES SHALL BE HIGHLIGHTED TO THE DESIGNER FOR CONFIRMATION.
 - SUDS SYSTEMS TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACK AND COMPOUND. INTERIM MEASURES SUCH AS THE PLACEMENT OF SILT FENCES TO BE USED AROUND WATERCOURSES AND RETAINED IN PLACE UNTIL SUDS ARE ESTABLISHED AND PROVIDING SUFFICIENT SILT REMOVAL.
 - WHERE RESEEDING IS REQUIRED, NATIVE SPECIES SEED MIX SHALL BE USED BASED UPON THE SURROUNDING HABITAT. THE PLANTING SHALL BE CAPABLE OF RESISTING DROUGHT CONDITIONS.
 - AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
 - SILT LEVELS AT DETENTION BASIN TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND DISPOSED OF APPROPRIATELY.
 - SUDS DETAILS, DIMENSIONS AND LEVELS MAY BE MODIFIED DURING DETAILED DESIGN. CHANGES WILL ADHERE TO THE REQUIREMENTS AND PHILOSOPHY IN THE SURFACE WATER MANAGEMENT PLAN AND ADDENDUM.

SHEET 1 OF 2

ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
1	BM	AP	MC	2023-12-22	FIRST ISSUE
PURPOSE					COORDINATES
PLANNING					N/A
SCALE					DATUM
AS SHOWN @ A1					N/A
LAYOUT DWG					T.LAYOUT NO.
N/A					N/A

PROJECT TITLE
DUNMILL ENERGY STORAGE FACILITY

DRAWING TITLE
TYPICAL DRAINAGE DETAILS

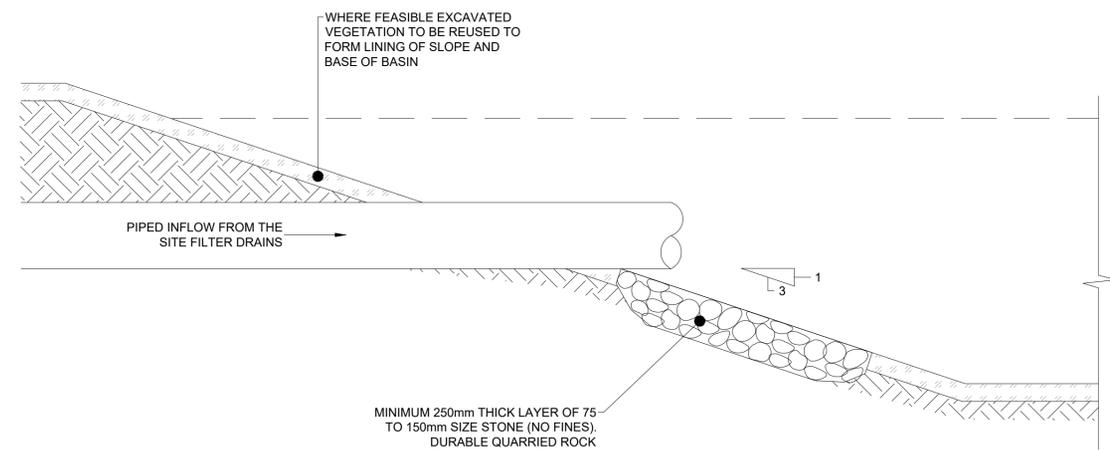
RES DRAWING NUMBER
05104-RES-DRN-DR-CE-001

REV
1

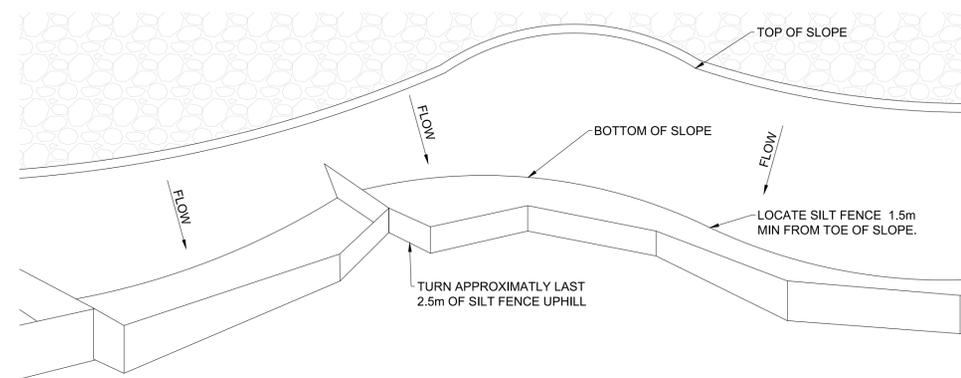
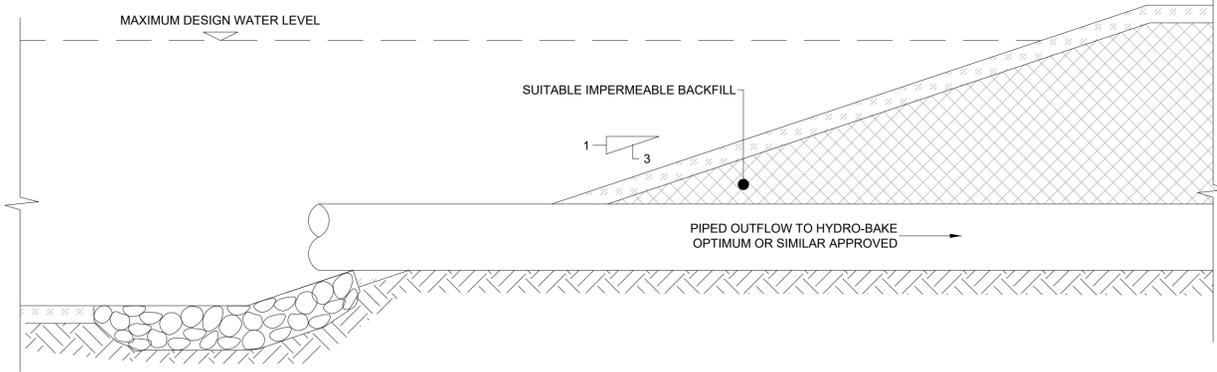
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res

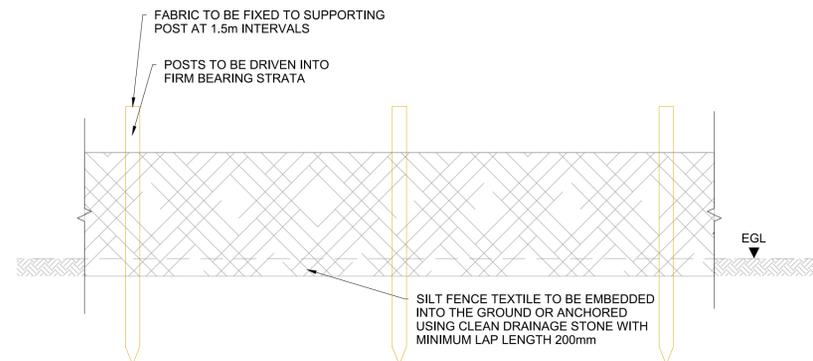
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KINGS LANGLEY,
HERTS WD4 8LR, UK
TEL: +44 (0) 1923 290000
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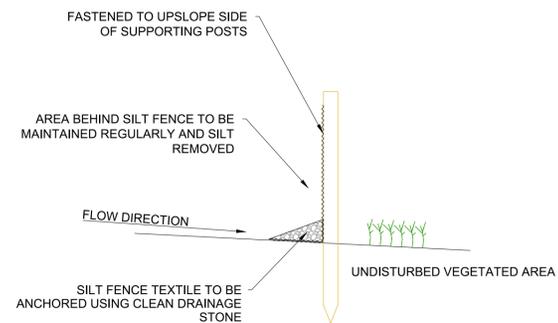
TYPICAL SECTION OF ATTENUATION BASIN
SCALE - 1:20



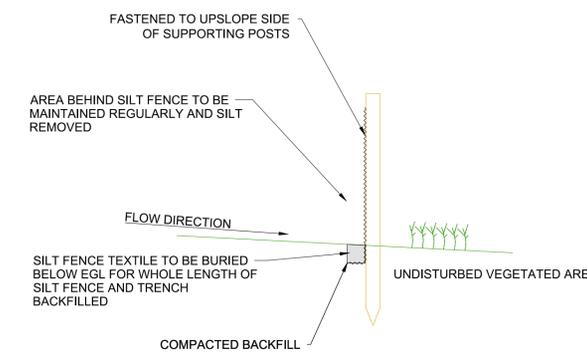
TYPICAL SILT FENCE BOTTOM OF SLOPE
SCALE - NTS



SILT FENCE TEXTILE DETAIL
SCALE 1:20



ANCHORED TYPE OPTION
SCALE 1:20



BURIED TYPE OPTION
SCALE 1:25

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 - WHERE RESEEDING IS REQUIRED, NATIVE SPECIES SEED MIX SHALL BE USED BASED UPON THE SURROUNDING HABITAT. THE PLANTING SHALL BE CAPABLE OF RESISTING DROUGHT CONDITIONS.
 - AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
 - SILT LEVELS AT DETENTION BASIN TO BE VISUALLY INSPECTED AS PART OF AN ONGOING MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND DISPOSED OF APPROPRIATELY.
 - SUDS DETAILS, DIMENSIONS AND LEVELS MAY BE MODIFIED DURING DETAILED DESIGN. CHANGES WILL ADHERE TO THE REQUIREMENTS AND PHILOSOPHY IN THE SURFACE WATER MANAGEMENT PLAN AND ADDENDUM.

ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
1	BM	AP	MC	2023-12-22	FIRST ISSUE
PURPOSE					COORDINATES
PLANNING					N/A
SCALE					DATUM
AS SHOWN @ A1					N/A
LAYOUT DWG					T.LAYOUT NO.
N/A					N/A

PROJECT TITLE
DUNMILL ENERGY STORAGE FACILITY

DRAWING TITLE
TYPICAL DRAINAGE DETAILS

RES DRAWING NUMBER
05104-RES-DRN-DR-CE-001

REV
1

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KEY:

- █ DEVELOPMENT BOUNDARY
(OUTSIDE OF LINE DENOTES BOUNDARY)
- ➔ PRE-DEVELOPMENT OVERLAND
FLOW PATH



1	BM	AP	MC	2023-12-22	FIRST ISSUE
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE					COORDINATES
PLANNING					OSGB 1936
SCALE					DATUM
1:2,000 @A3					N/A
LAYOUT DRAWING					T-LAYOUT NO
N/A					N/A
PROJECT TITLE					
DUNMILL ENERGY STORAGE FACILITY					
DRAWING TITLE					
PRE-DEVELOPMENT OVERLAND FLOW PATH					
RES DRAWING NUMBER					REV
05104-RES-DRN-DR-CE-002					1
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KEY:

- DEVELOPMENT BOUNDARY
(OUTSIDE OF LINE DENOTES BOUNDARY)
- PERIMETER FENCE
- SURFACE FINISH TYPICALLY
COMPRISING STONE OR ASPHALT
- ACCESS TRACK
- - - STOCK PROOF FENCE
- - - SURFACE WATER FILTER DRAIN
- SURFACE WATER PIPE
- SURFACE WATER CATCH PIT/
INSPECTION CHAMBER
- FLOW CONTROL MANHOLE
- EXTREME EVENT FLOW PATH

NOTES:

1. THE EXCEEDANCE EVENT (1:200 + CC) IS CONTAINED IN THE POND, THE EXTREME EVENT IS ANYTHING ABOVE THAT.

SHEET 1 OF 2



1	BM	AP	MC	2023-12-22	FIRST ISSUE
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE					COORDINATES
PLANNING					OSGB 1936
SCALE					DATUM
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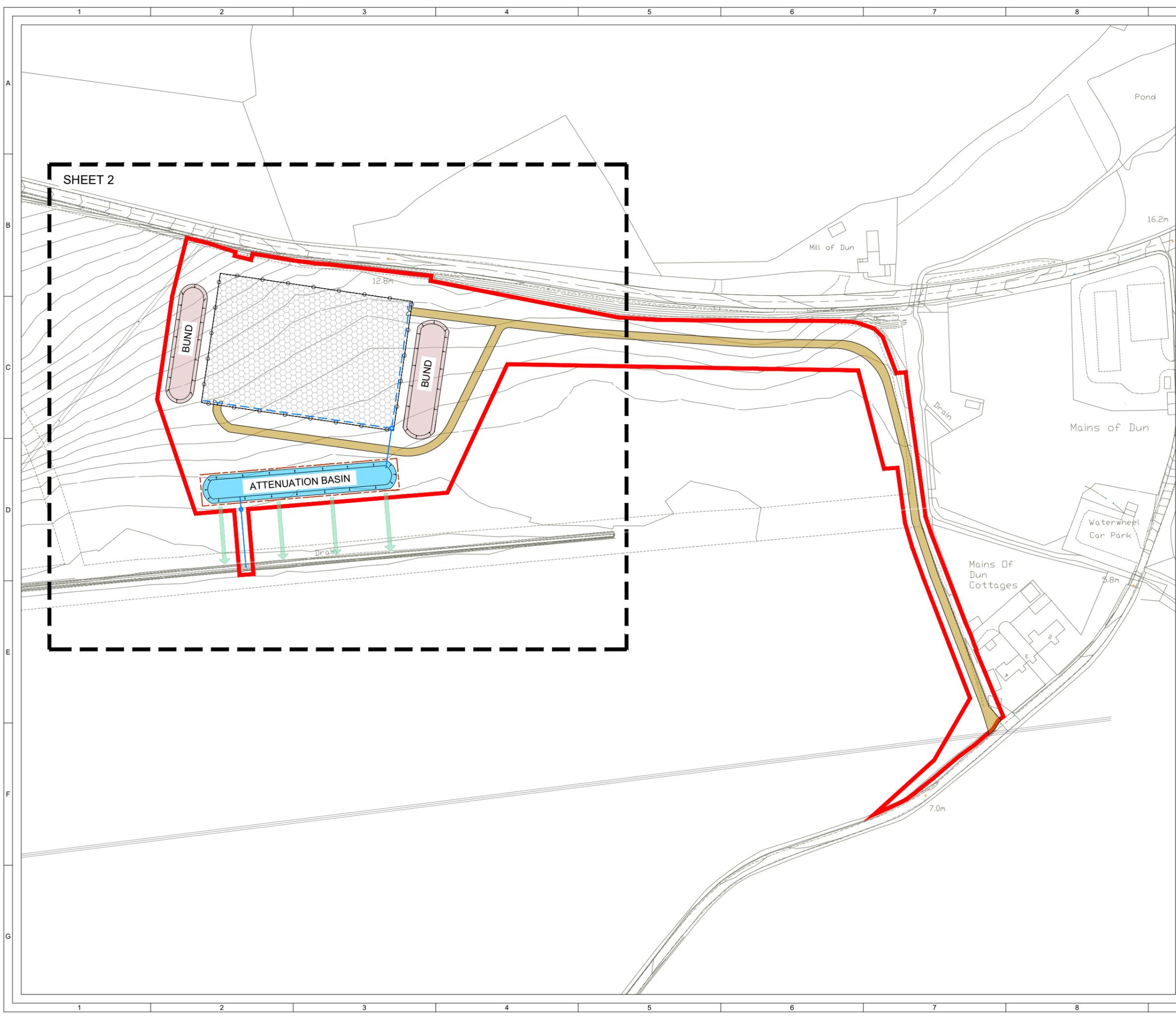
PROJECT TITLE
DUNMILL ENERGY STORAGE FACILITY

DRAWING TITLE
POST-DEVELOPMENT EXTREME EVENT FLOW PATH

RES DRAWING NUMBER	REV
05104-RES-DRN-DR-CE-003	1

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KEY:

- DEVELOPMENT BOUNDARY
(OUTSIDE OF LINE DENOTES BOUNDARY)
- PERIMETER FENCE
- SURFACE FINISH TYPICALLY
COMPRISING STONE OR ASPHALT
- ACCESS TRACK
- - - STOCK PROOF FENCE
- - - SURFACE WATER FILTER DRAIN
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INSPECTION CHAMBER
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- EXTREME EVENT FLOW PATH

NOTES:

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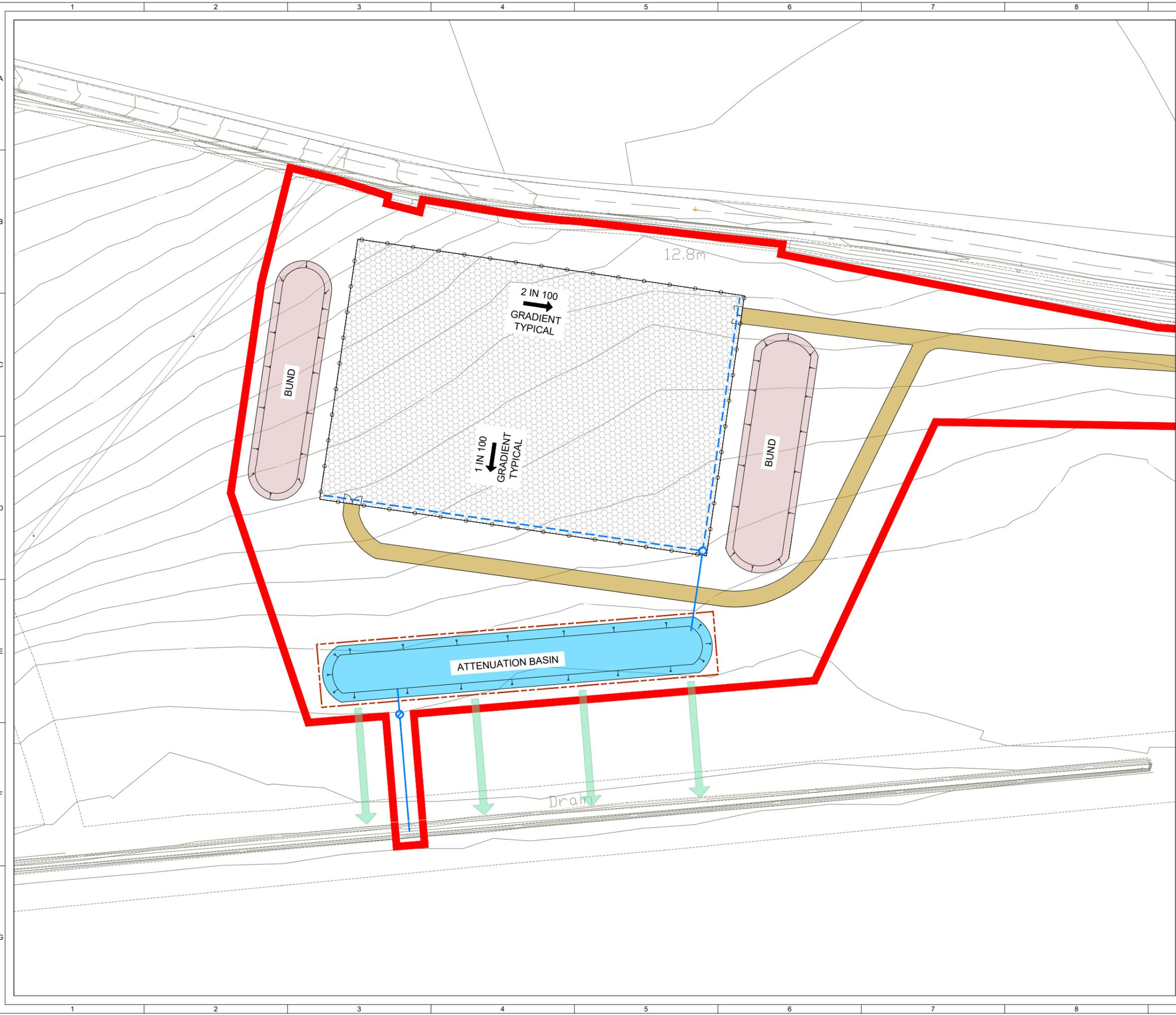
SHEET 2 OF 2



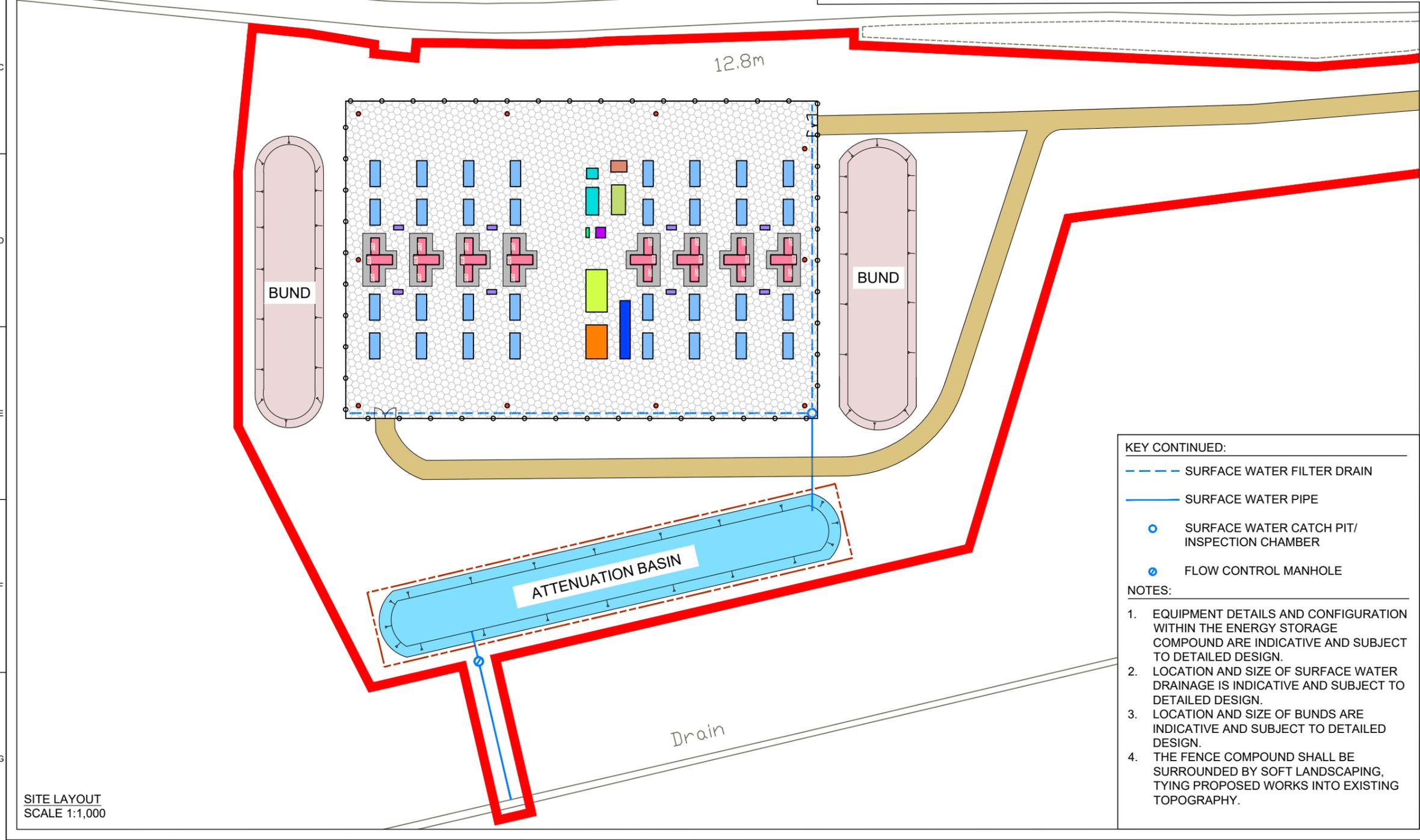
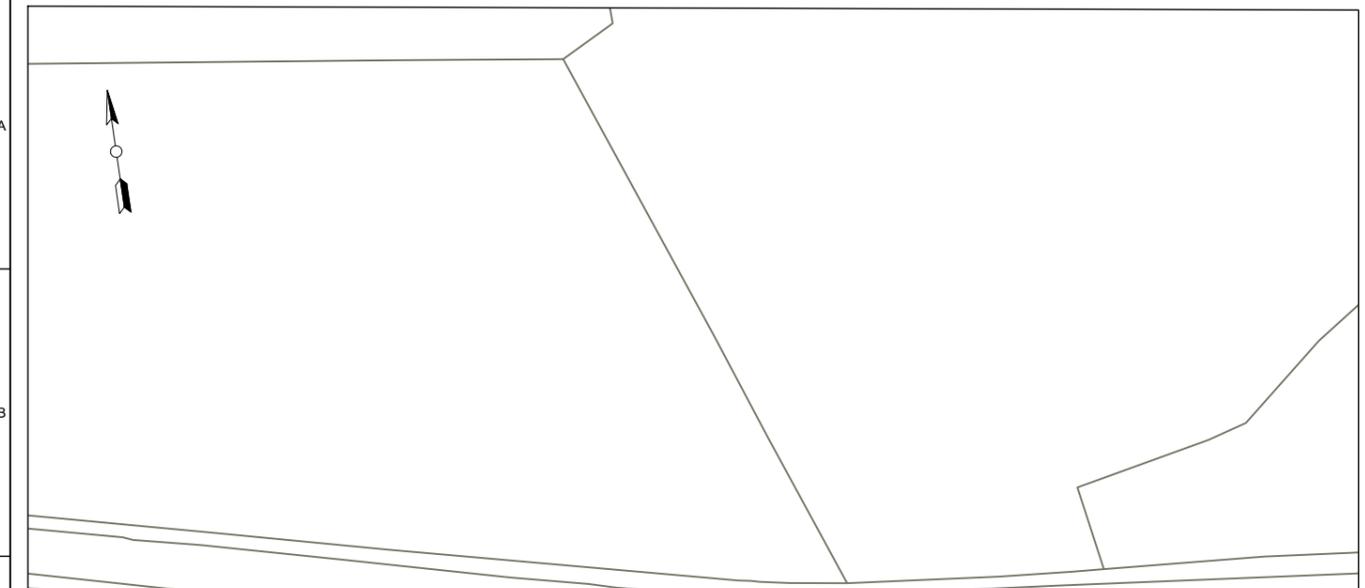
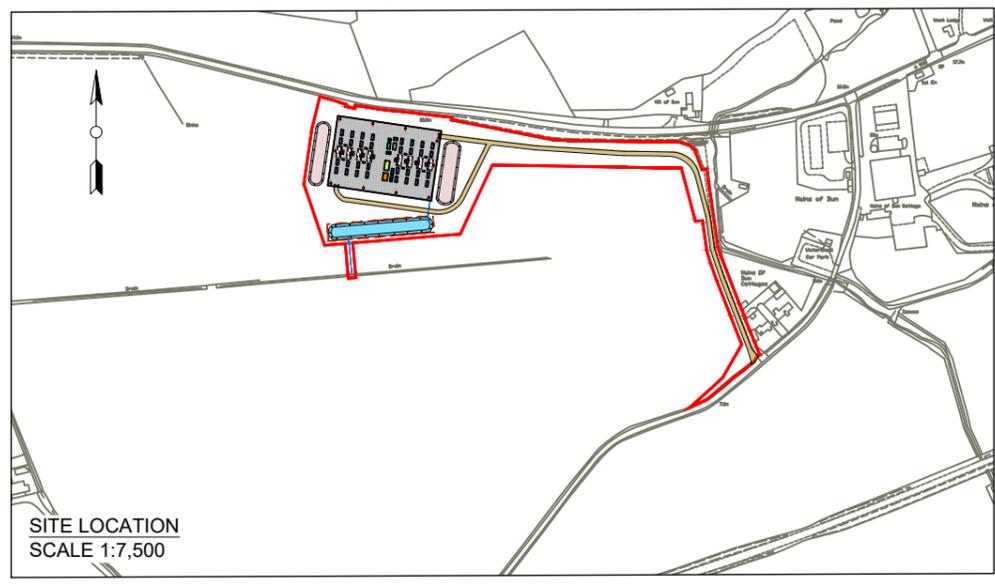
1	BM	AP	MC	2023-12-22	FIRST ISSUE
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE				COORDINATES	
PLANNING				OSGB 1936	
SCALE		DATUM		N/A	
1:1,000		@A3		N/A	
LAYOUT DRAWING			T-LAYOUT NO		
N/A			N/A		
PROJECT TITLE					
DUNMILL ENERGY STORAGE FACILITY					
DRAWING TITLE					
POST-DEVELOPMENT EXTREME EVENT FLOW PATH					
RES DRAWING NUMBER					REV
05104-RES-DRN-DR-CE-003					1

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- KEY:**
- DEVELOPMENT BOUNDARY (OUTSIDE OF LINE DENOTES BOUNDARY)
 - WELDMESH OR ACOUSTIC FENCE
 - BATTERY STORAGE ENCLOSURE (BSE)
 - 2 No. POWER CONVERSION SYSTEMS (PCS) WITH TWIN MV SKID AND APRON SLAB
 - DNO SUBSTATION BUILDING
 - BESS SUBSTATION BUILDING
 - AUXILIARY TRANSFORMER
 - | LV DISTRIBUTION EQUIPMENT
 - AGGREGATION PANEL WITH LV PILLAR
 - PRE-INSERTION RESISTOR
 - CAPACITOR BANK
 - HARMONIC FILTER AND RESISTOR
 - SPARES CONTAINER
 - LIGHTING / CCTV COLUMN
 - SURFACE FINISH TYPICALLY COMPRISING STONE OR ASPHALT
 - ACCESS TRACK
 - STOCK PROOF FENCE
- KEY CONTINUED...



- KEY CONTINUED:**
- SURFACE WATER FILTER DRAIN
 - SURFACE WATER PIPE
 - SURFACE WATER CATCH PIT/ INSPECTION CHAMBER
 - ⊙ FLOW CONTROL MANHOLE
- NOTES:**
1. EQUIPMENT DETAILS AND CONFIGURATION WITHIN THE ENERGY STORAGE COMPOUND ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.
 2. LOCATION AND SIZE OF SURFACE WATER DRAINAGE IS INDICATIVE AND SUBJECT TO DETAILED DESIGN.
 3. LOCATION AND SIZE OF BUNDS ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.
 4. THE FENCE COMPOUND SHALL BE SURROUNDED BY SOFT LANDSCAPING, TYING PROPOSED WORKS INTO EXISTING TOPOGRAPHY.

4	BM	AP	AP	2023-12-20	UPDATED TRACK	
3	BM	PD	PD	2023-12-19	UPDATED PURPOSE TO PLANNING	
2	BM	AP	PD	2023-12-15	UPDATED DEVELOPMENT BOUNDARY	
1	BM	AP	PD	2023-12-08	FIRST ISSUE	
ISSUE		DRAWN	CHKD	APPD	DATE	REVISION NOTES
PURPOSE				COORDINATES		
PLANNING				OSGB 1936		
SCALE				DATUM		
AS SHOWN @A3				N/A		
LAYOUT DRAWING				T-LAYOUT NO		
N/A				N/A		

PROJECT TITLE
DUNMILL
ENERGY STORAGE FACILITY

DRAWING TITLE
INFRASTRUCTURE LAYOUT

RES DRAWING NUMBER	REV
05104-RES-LAY-DR-PT-001	4

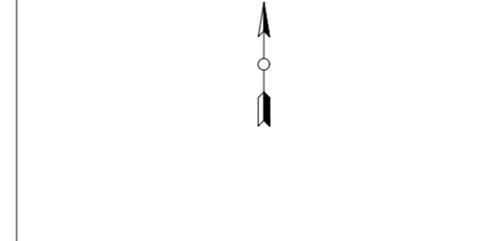
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SITE LAYOUT
SCALE 1:1,000

KEY:

- LANDOWNER PROPERTY BOUNDARY (INSIDE EDGE OF LINE DENOTES BOUNDARY)
- DEVELOPMENT BOUNDARY (OUTSIDE OF LINE DENOTES BOUNDARY)



3	BM	AP	AP	2023-12-20	UPDATED BOUNDARY
2	BM	AP	PD	2023-12-19	UPDATED BOUNDARY AND PURPOSE
1	BM	AP	PD	2023-10-13	FIRST ISSUE
ISSUE	DRAWN	CHKD	APPD	DATE	REVISION NOTES

PURPOSE		COORDINATES	
PLANNING		OSGB 1936	
SCALE	DATUM	N/A	
1:5,000 @A3			
LAYOUT DRAWING	T-LAYOUT NO		N/A
N/A			

PROJECT TITLE	
DUNMILL ENERGY STORAGE FACILITY	
DRAWING TITLE	
LOCATION PLAN	
RES DRAWING NUMBER	REV
05104-RES-MAP-DR-XX-001	3

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