YG-DCO-022-A

Yorkshire Green Energy Enablemen (GREEN) Project

Volume 2 **Document 2.16 Construction Plans**

Final Issue A November 2022

spectorate Referencer EN020024

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(o)

nationalgrid



	DOCUMENT NUMBER
	DCO_CO/PS/1_01
100	DCO_CO/PS/2_01
CONSTRU	DCO_CO/PS/2_02
CONSTRUC	DCO_CO/PS/2_03
CONSTRUCT	DCO_CO/PS/2_04
CONSTRUC	DCO_CO/PS/3_01
CONSTRUCTION PLA	DCO_CO/PS/3_02
CONS	DCO_CO/PS/4_01
CONS	DCO_CO/PS/4_02
CONSTRUCTION PLAN: ILLUST	DCO_CO/PS/4_03
CONSTRUCT	DCO_CO/PS/4_04
CONSTRUCTION PLAN:	DCO_CO/PS/4_05
CONSTRU	DCO_CO/PS/4_06
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CONSTR	DCO_CO/PS/6_01
CONSTR	DCO_CO/PS/6_02
CONSTR	DCO_CO/PS/6_03
CONSTR	DCO_CO/PS/6_04

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UCTION PLAN: ILLUSTRATIVE LATTICE PYLON FOOTPRINTS	2 OF 4	А
ICTION PLAN: ILLUSTRATIVE LATTICE PYLON FOUNDATIONS	3 OF 4	А
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STRUCTION PLAN: ILLUSTRATIVE BELLMOUTH LAYOUT	1 OF 6	A
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UCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT	4 OF 4	A

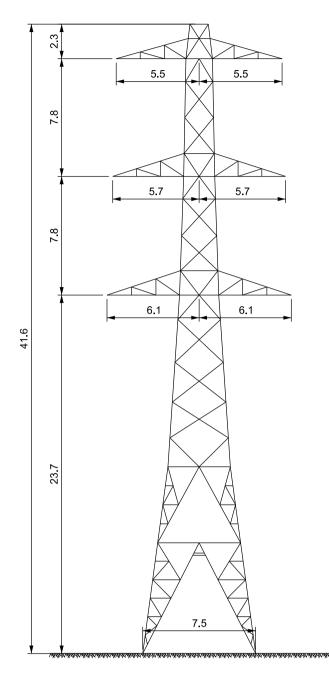
Legend

Notes

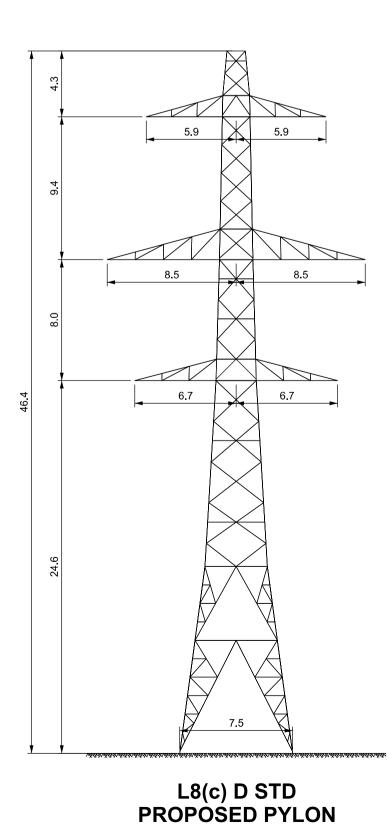
- 1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
- 2. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.

A	01/11/2022	FOR DCO SUBMISSION	AD	SF	EMD	
Issue	sue Date Remarks Drawn Checked Approved				Approved	
Title	Title					
	NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER LIST OF CONSTRUCTION PLANS REGULATION 5(2)(0) SHEET 1 OF 1					

national grid				
Application Number	er			
	EN020024			
National Grid Drawing Reference				
DCO_CO/PS/1_01				
<u>Scale</u>	Sheet Size	Sheet	Issue	
N.T.S	A1	SHEET 1 OF 1	А	

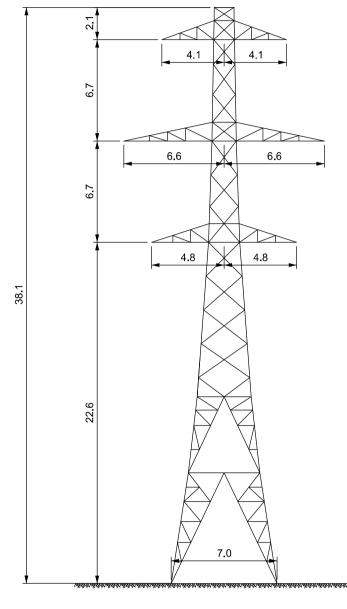


L2 D STD EXISTING PYLON

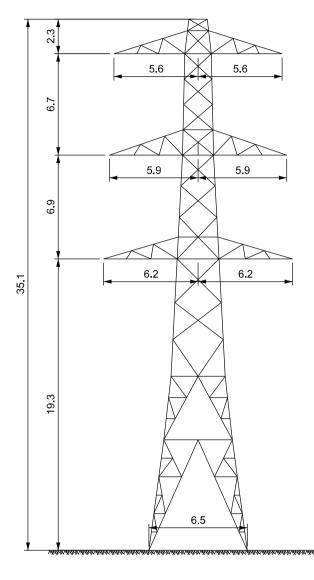


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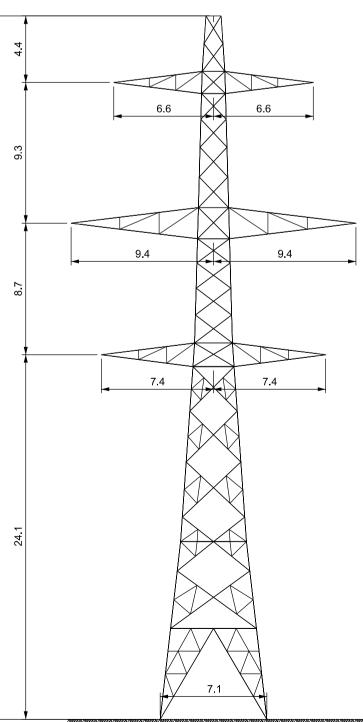
NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLONS REGULATION 5(2)(o) SHEET 1 OF 4



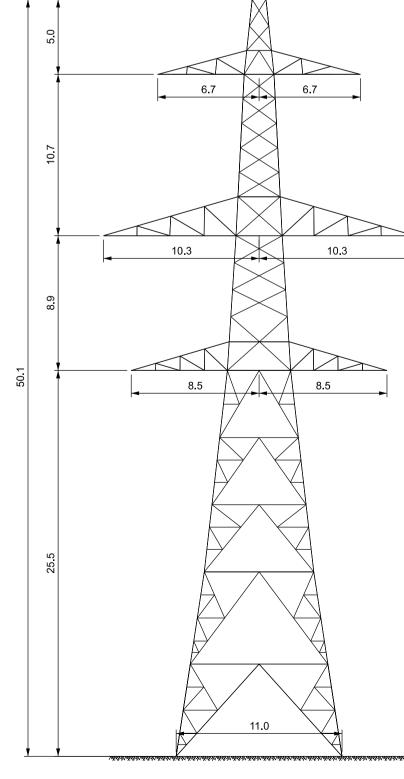
L3 DS STD EXISTING PYLON



L66 D2 STD EXISTING PYLON



L12 D STD PROPOSED PYLON

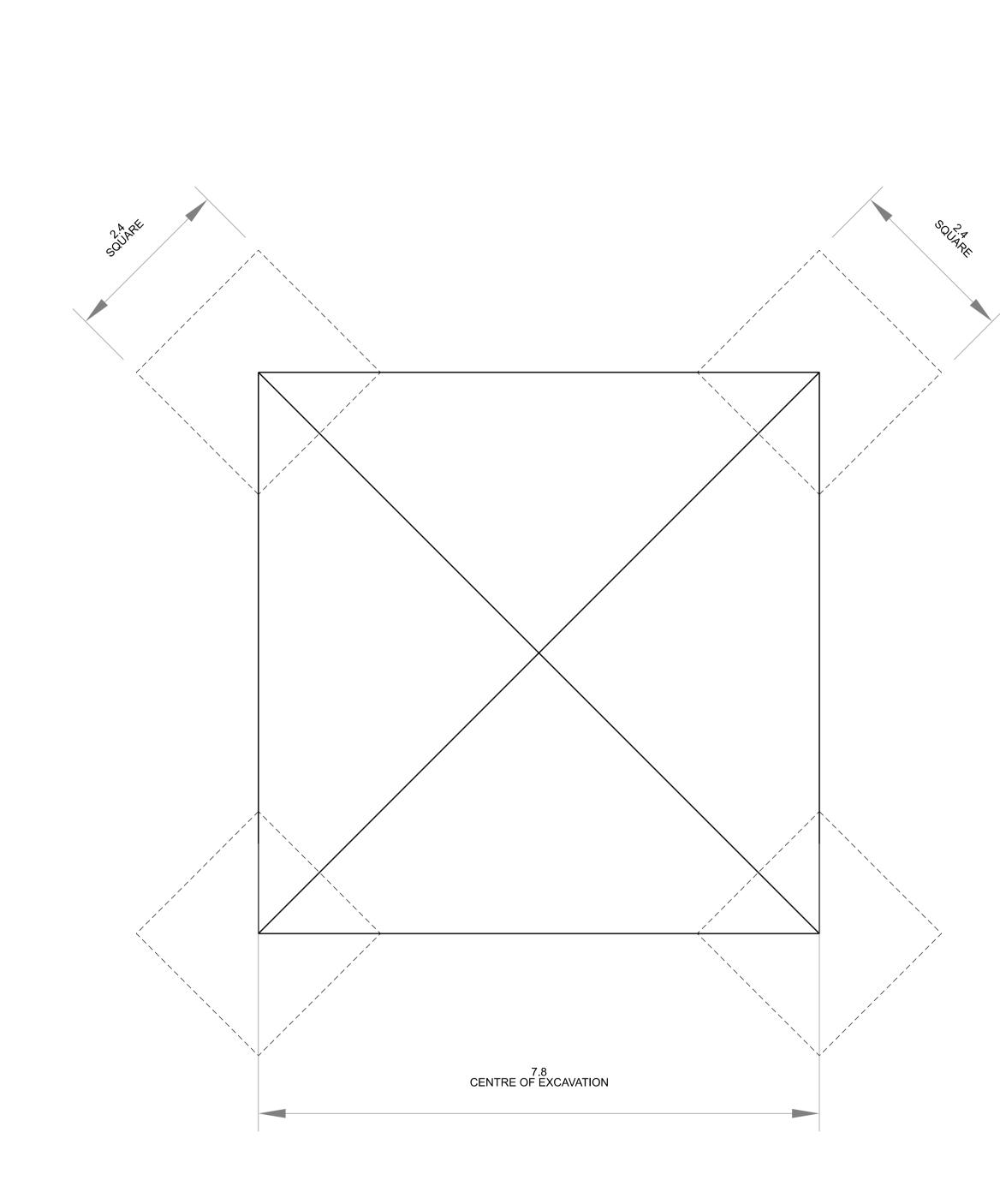


L6 D STD EXISTING PYLON

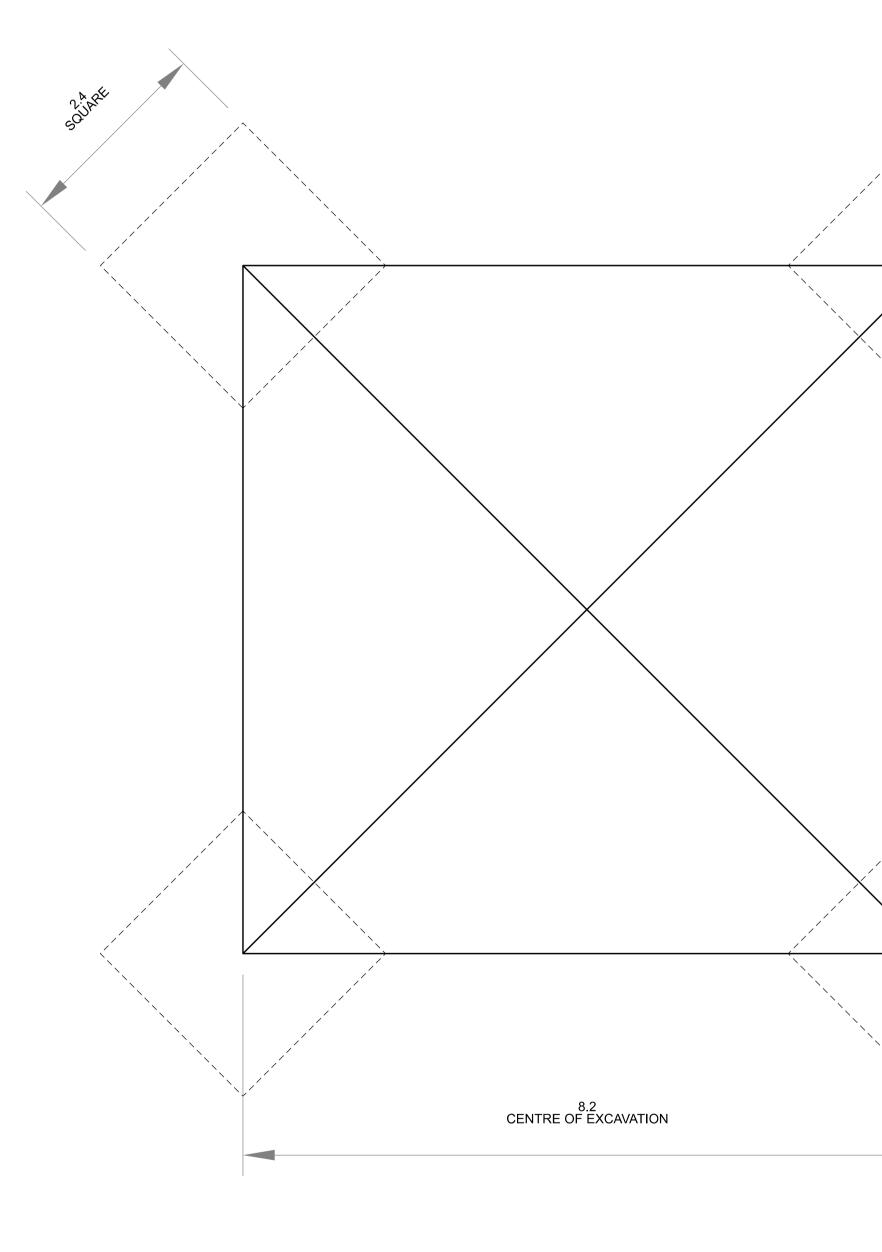


Legend
Notes 1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE.
2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
3. PYLON LEG SPACING AT GROUND LEVEL ASSUMES LEVEL GROUND CONDITIONS.4. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE
REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
A 01/11/2022 FOR DCO SUBMISSION AD SF EMD Issue Date Remarks Drawn Checked Approved Title
NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLONS REGULATION 5(2)(0) SHEET 1 OF 4
nationalgrid
EN020024 National Grid Drawing Reference DCO_CO/PS/2_01
ScaleSheet SizeSheetIssueN.T.SA1SHEET 1 OF 4A





L12 D STD



L8(c) D STD





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|____|

PYLON FOOTPRINT

FOUNDATION (BELOW GROUND LEVEL)

Notes

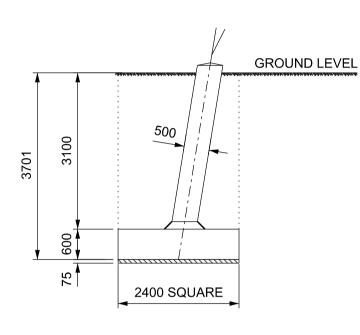
SOUND.

- 1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE
- 2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
- 3. REFER TO DRAWINGS BK35_21001, 02 & 03 FOR LATTICE PYLON DESIGN.
- THIS SHEET ILLUSTRATES IN PLAN A PAD AND COLUMN FOUNDATION. REFER TO DRAWING BK35-8744 & BK17_11603 FOR OTHER FOUNDATION SIZES.
- 5. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.

А	01/11/2022	2 FOR DCO SUBM	IISSION	AD	SF	EMD
Issue	Date	Remarks		Drawn	Checked	Approved
сс	Title NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLON FOOTPRINTS REGULATION 5(2)(0) SHEET 2 OF 4					
	national grid					
Applica	Application Number EN020024					
Nationa	al Grid Draw	ing Reference DCO_CO	/PS/2_02	2		
<u>Scale</u>		Sheet Size	<u>Sheet</u>		Issue	
N.	T.S	A1	SHEE	T 2 OF 4	+	А

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLON FOUNDATIONS REGULATION 5(2)(o) SHEET 3 OF 4

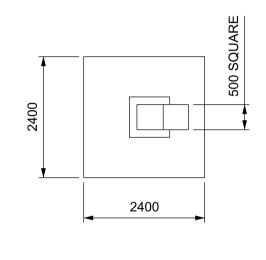




ELEVATION VIEW

PAD AND COLUMN FOUNDATION

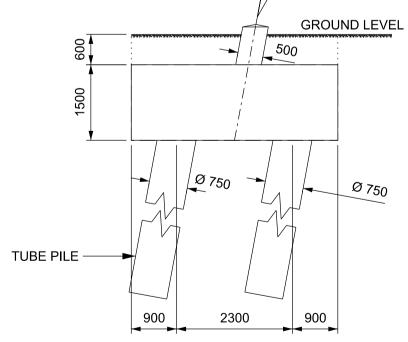
CONCRETE = 4.5m³ per leg EXCAVATION = 22m³ per leg



PLAN VIEW

PAD AND COLUMN FOUNDATION

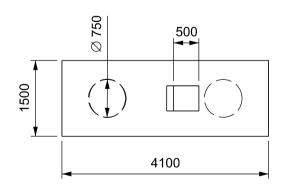




ELEVATION VIEW

TUBE PILE FOUNDATION

PILE CAP VOLUME=9.2m³ per legEXCAVATION=13.5m³ per leg

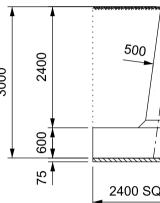


PLAN VIEW

TUBE PILE FOUNDATION

TUBE PILE FOUNDATION

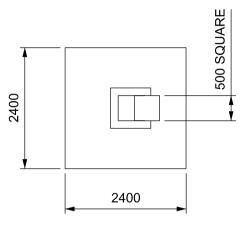
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PAD AND COLUM

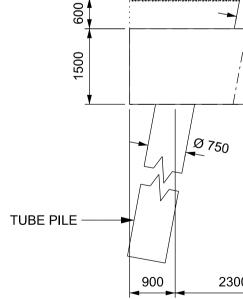
CONCRETE = EXCAVATION



PLAN VIEW

PAD AND COLUMN FOUNDATION

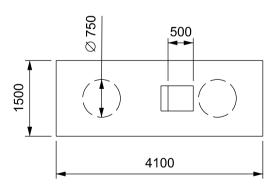




ELEVATIO

TUBE PILE FO

PILE CAP VOLUME EXCAVATION

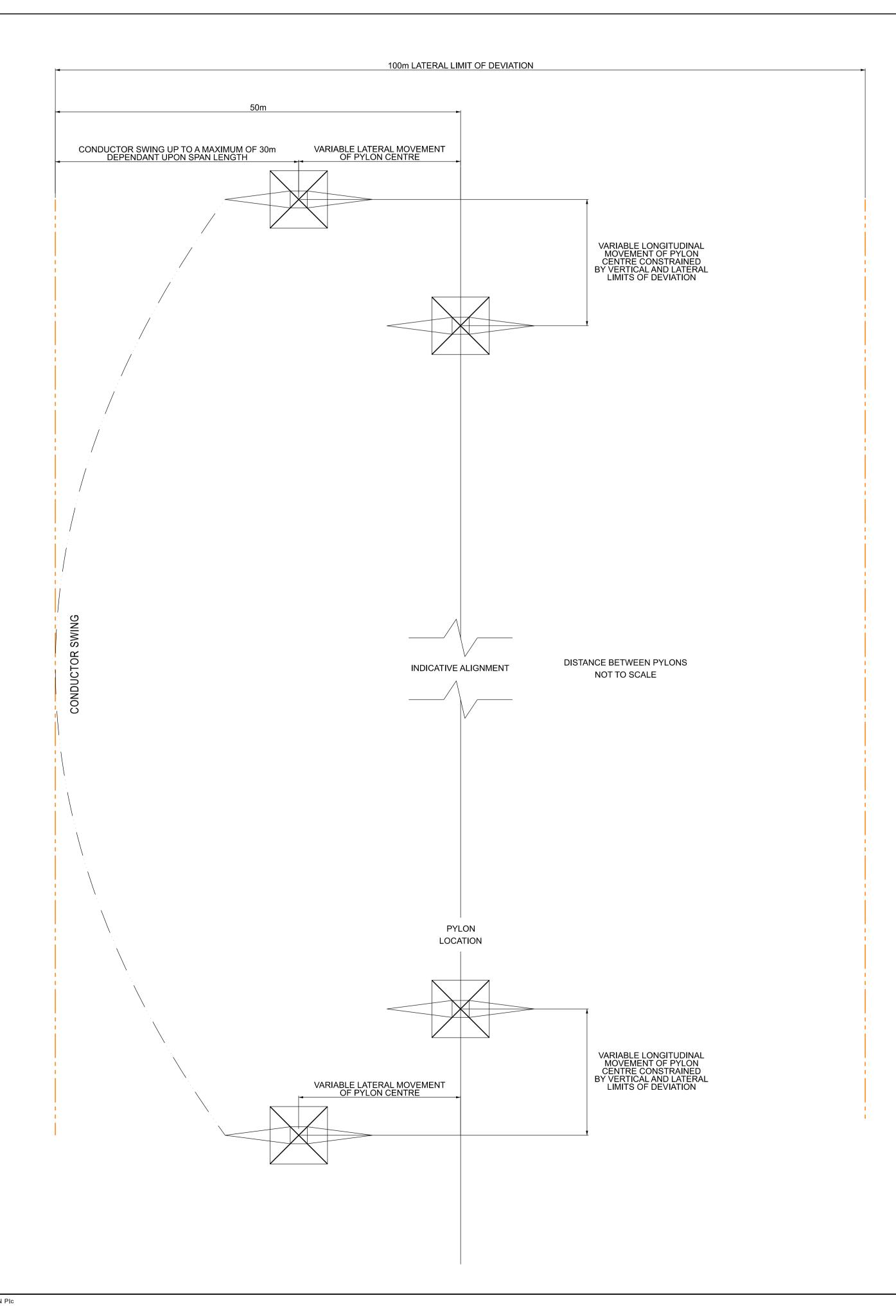


PLAN VIEW

TUBE PILE FOUNDATION

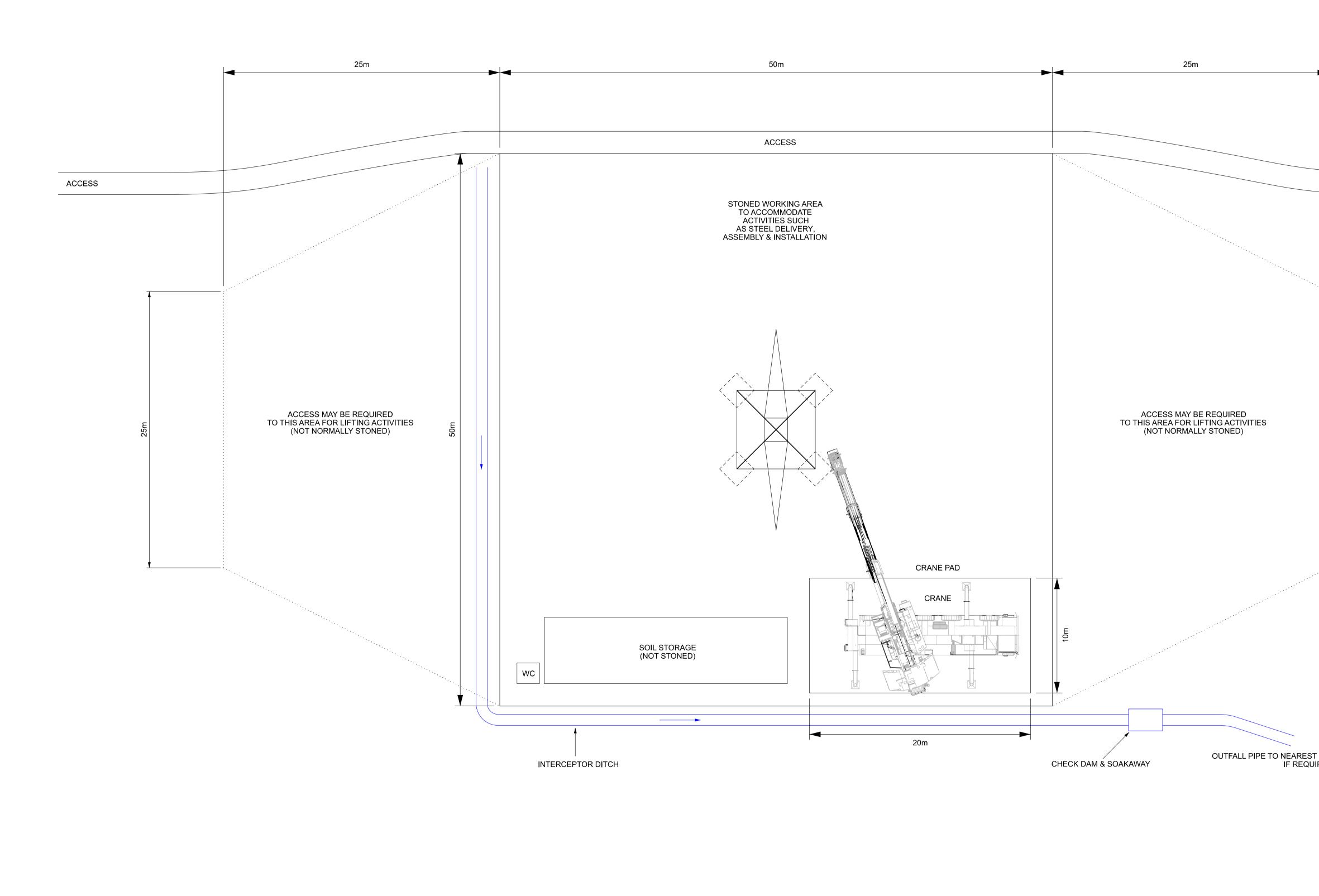
	Legend
	SIDE OF EXCAVATION
	GROUND LEVEL
	PYLON STEELWORK CONNECTED TO ABOVE GROUND CONCRETE
	150 - 450 CONCRETE ABOVE GROUND LEVEL DIMENSION DEPENDENT UPON GROUND SLOPE BETWEEN LEGS
	 Notes 1. ALL DIMENSIONS ARE INDICATED IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. 2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST. 3. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
DN VIEW	
N FOUNDATION	
- 4.5m³ per leg	
= 18m ³ per leg	
GROUND LEVEL	
DN VIEW	A 01/11/2022 FOR DCO SUBMISSION AD SF EMD Issue Date Remarks Drawn Checked Approved
DUNDATION	Title NATIONAL GRID
= 9.2m ³ per leg = 13.5m ³ per leg	(YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLON FOUNDATIONS REGULATION 5(2)(0) SHEET 3 OF 4
	national grid
	Application Number EN020024
	National Grid Drawing Reference DCO_CO/PS/2_03 Scale Sheet Size
	ScaleSheet SizeSheetIssueN.T.SA1SHEET 3 OF 4A

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: INDICATIVE OVERHEAD LINE LIMITS OF DEVIATION REGULATION 5(2)(0) SHEET 4 OF 4



]
Leger	nd		
	PY	LON	
	POS OVEI IN CO SWIN	ITION OF OUT RHEAD LINE (ONDITIONS O NG	ER CONDUCTOR F MAXIMUM
	LIMI7	rs of deviat	ION
Notes			
1. ALL DIMENSI NOTED OTHE	ONS ARE INDICA RWISE	TED IN METRES	S (m) UNLESS
ANY PRINTS		LER SIZES WILL	
PYLONS FRO MAY BE MOV LOCAL CONS	NG SHOWS THE I OM THEIR INDICA ED SUBJECT TO STRAINTS ARE IE ISTRUCTION.	TIVE LOCATION THESE LIMITS	IS. PYLONS WHERE
REFER TO D	DNAL DETAIL ON OCUMENT 2.3 PL VOLUME 2 OF TI	AN GUIDANCE	DOCUMENT,
A 01/11/202 Issue Date	2 FOR DCO SUB Remarks	VISSION AD Drawn	SF EMD Checked Approved
CONSTRU	ORKSHIRE G ABLEMENT P CTION PLAN: LINE LIMITS (REGULAT	INDICATIVE	OVERHEAD
	nation	al gric	
Application Numb	er EN02		
Scale N.T.S	DCO_CO Sheet Size A1	//PS/2_04 <u>Sheet</u> SHEET 4 OF 4	l <u>issue</u> A
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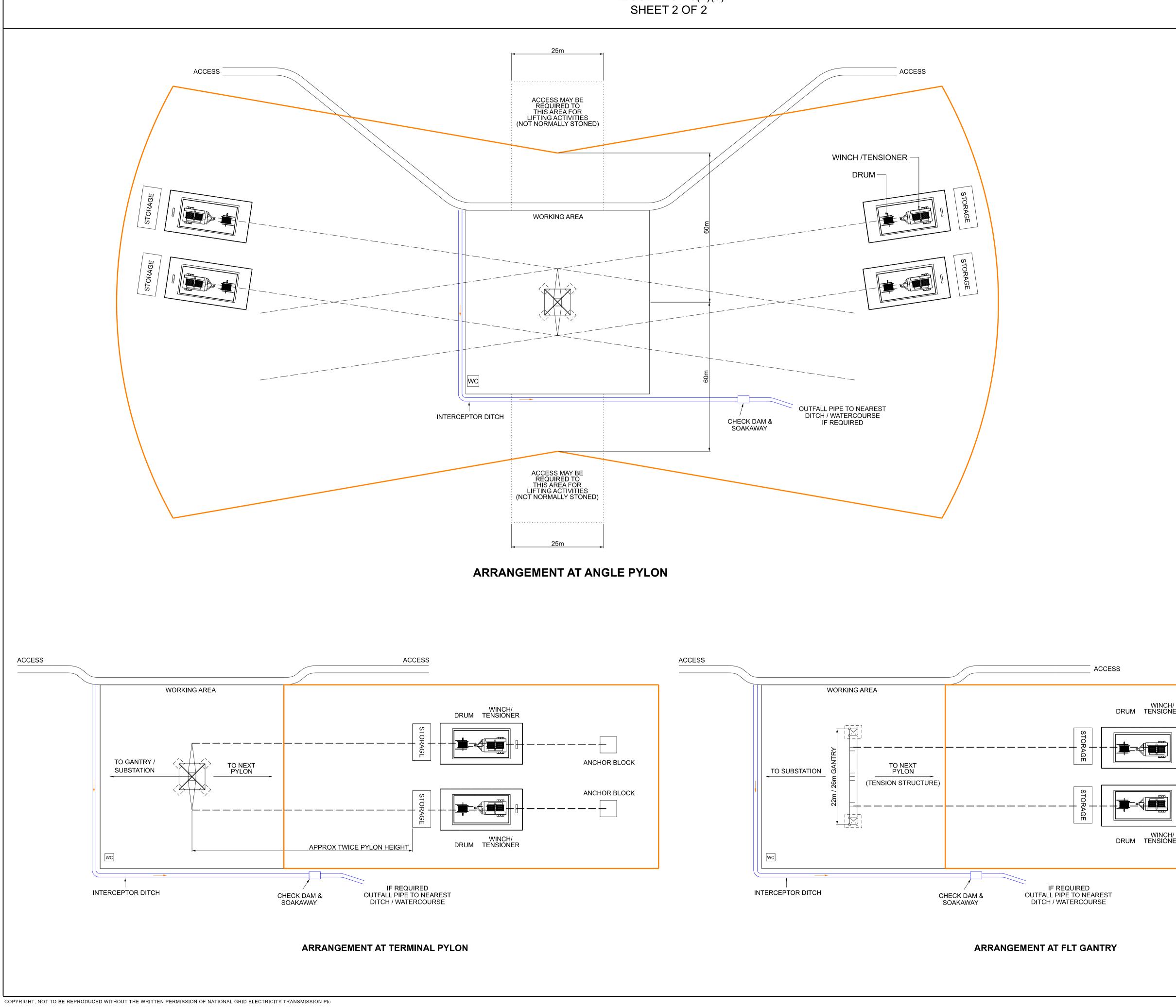
NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: INDICATIVE LATTICE PYLON WORKING AREA REGULATION 5(2)(0) SHEET 1 OF 2



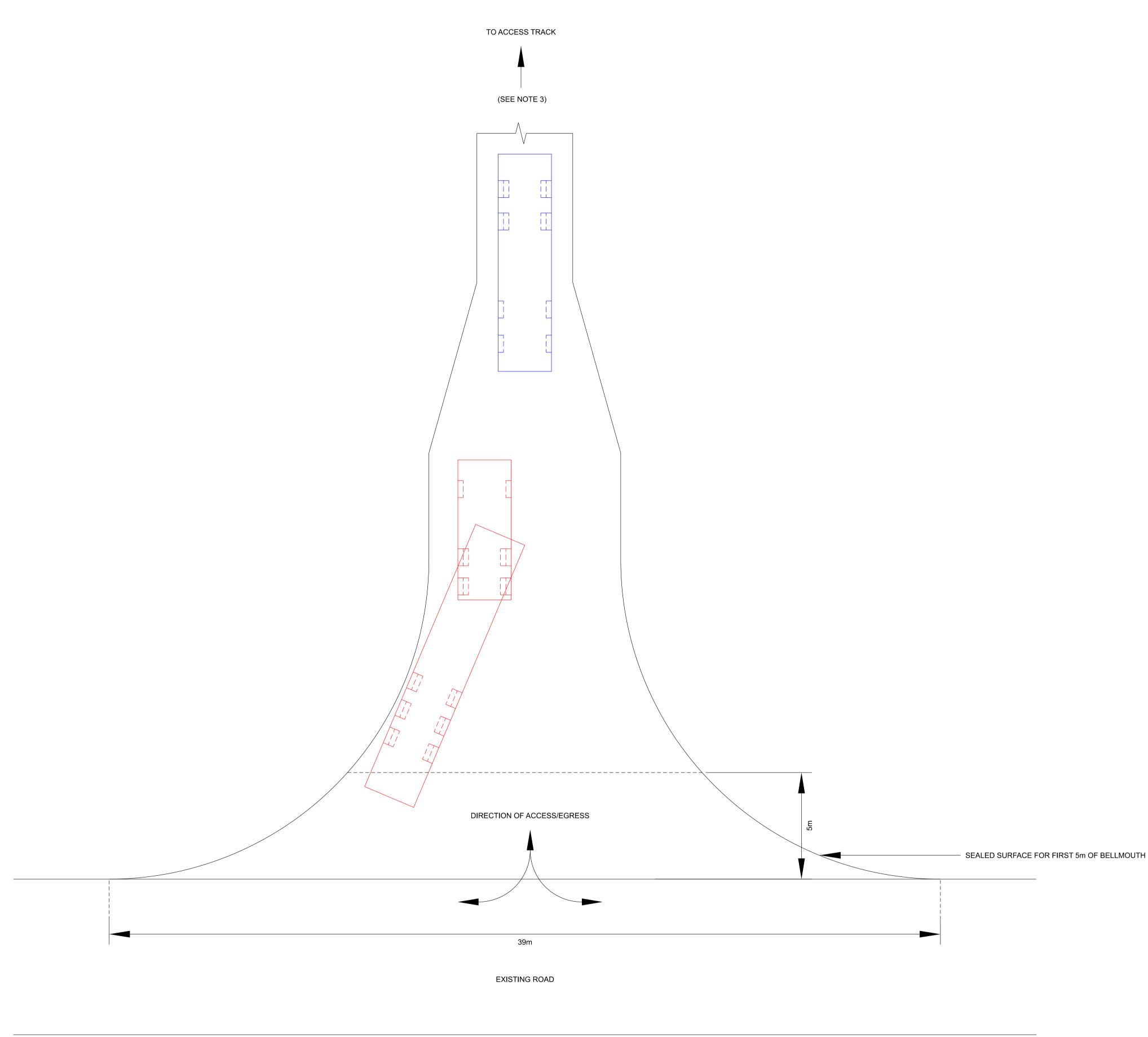
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	Legend
	PYLON
	FOUNDATION (BELOW GROUND LEVEL)
	INTERCEPTOR DITCH
ACCESS	Notes
	1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE
	2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
	3. THIS DRAWING SHOWS AN INDICATIVE WORKING AREA
	DURING PYLON INSTALLATION. 4. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE
	REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
25m	
DITCH/WATERCOURSE	
IRED	
	A 01/11/2022 FOR DCO SUBMISSION AD SF EMD
	Issue Date Remarks Drawn Checked Approved Title NATIONAL GRID
	(YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER
	CONSTRUCTION PLAN: INDICATIVE LATTICE PYLON WORKING AREAS REGULATION 5(2)(0)
	SHEET 1 OF 2
	national grid
	Application Number EN020024
	National Grid Drawing Reference DCO_CO/PS/3_01
	ScaleSheet SizeSheetIssueN.T.SA1SHEET 1 OF 2A

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE LATTICE PYLON CONDUCTOR PULLING POSITIONS REGULATION 5(2)(o) SHEET 2 OF 2



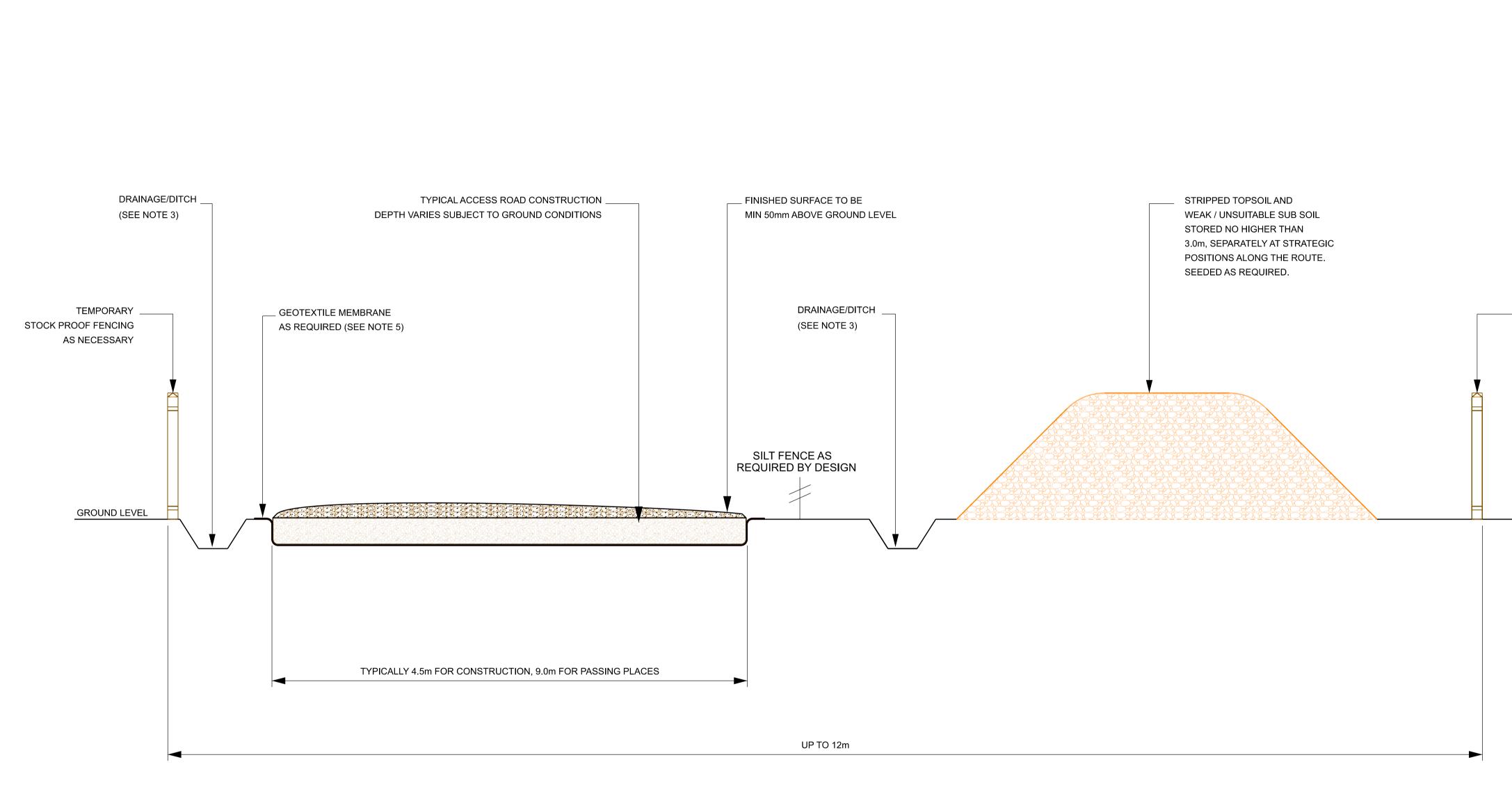
	Legend	
	PYLON	
	FOUNDATION BELOW GRO	N DUND LEVEL)
	ACCESS TRA	CK/ROAD
	INTERCEPTO	OR DITCH
	— — — — OHL CONDUC	CTORS
	CONDUCTOR POSITION	RPULLING
	Notes	
	1. ALL DIMENSIONS ARE INDICATED IN NOTED OTHERWISE.	METRES (m) UNLESS
	2. THIS DRAWING IS SCALED AT PAPER ANY PRINTS TAKEN AT SMALLER SIZ ACCURACY OF THE MEASUREMENT SCALED AGAINST.	ES WILL AFFECT
	3. FOR TERMINAL PYLON, EQUIPMENT SHOWN ON THE RIGHT-HAND SIDE, I REVERSED.	
	4. THIS DRAWING SHOWS A CONDUCT CONDUCTOR INSTALLATION.	OR PULLING AREA DURING
	5. FOR ADDITIONAL DETAIL ON THE PL TO DOCUMENT 2.3 PLAN GUIDANCE VOLUME 2 OF THE DCO APPLICATIO	DOCUMENT, LOCATED IN
/ ER		
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/ ER	A 01/11/2022 FOR DCO SUBMISSIO	DN AD SF EMD Drawn Checked Approved
	Title NATIONAL ((YORKSHIRE GREI ENABLEMENT PRO. CONSTRUCTION PLAN: ILL PYLON CONDUCTOR PU REGULATION SHEET 2 (EN ENERGY JECT) ORDER USTRATIVE LATTICE LLING POSITIONS 5(2)(0)
	national	grid
	Application Number EN020024 National Grid Drawing Reference	
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	N.T.S A1 SH	IEET 2 OF 2 A



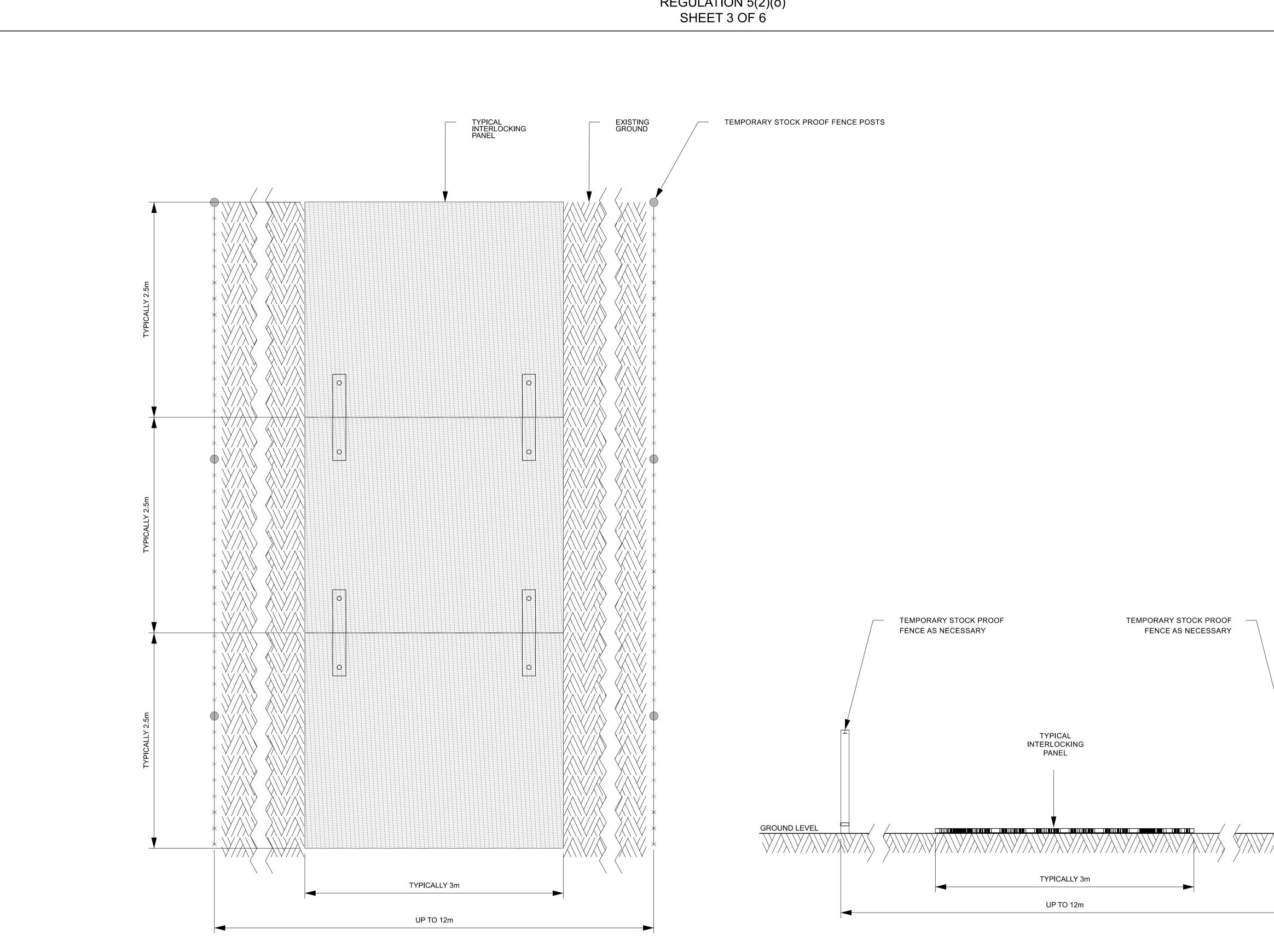
NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE BELLMOUTH LAYOUT REGULATION 5(2)(o) SHEET 1 OF 6

BI-DIRECTIONAL BELLMOUTH

L	.egen	d			
			R TRUCK		
		ARTIC	JLATED OADER		
2. T A A B 3. B M 4. B A T T 5. B SI 6. T V A 7. A S D 8. F R	OTED OTHEI HIS DRAWING NY PRINTS T CCURACY O E SCALED AG ELLMOUTH E IANUAL FOR ELLMOUTH S LLOW CONS HE BELLMOUTH S LLOW CONS HE BELLMOUTH S CONSTRUCT RELLMOUTH S PECIFIC DES HIS DRAWING (HICH WILL E CCESS TRAC REA FOR FEI UBJECT TO S RAINING ON OR ADDITION EFER TO DO	G IS SCALED AT TAKEN AT SMALL F THE MEASURE	PAPER SIZE / ER SIZES WIL MENT UNITS EN BASED ON SES (DMRB). N DESIGNED CLES TO PAR THE IMPACT ACK ARE TYP EQUIRED. AL BELLMOU THE INTERSE HIGHWAY. INAGE DETAI ESIGN TO PR HWAY. THE PLAN SUI AN GUIDANCE	A1, THERE L AFFEC AND SHC THE DES AS SUCH K WITHIN ON PUBL ICAL. SITI TH CONS CTION OF LS TO BE EVENT W TES, PLE E DOCUMI	EFORE T DULD NOT
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<u>Title</u>	ENA	ORKSHIRE G BLEMENT PI TRUCTION P BELLMOUT REGULAT	ROJECT) (LAN: ILLUS TH LAYOU ⁻	ORDER STRATIN T	/E
Appli	cation Number	_		d	
Natio	nal Grid Drawi	EN02 ing Reference DCO_CO			
<u>Scale</u>	N.T.S	Sheet Size A1	<u>Sheet</u> SHEET 1 OI	= 6	А



	Legend
	SOIL
	FINISHING SURFACE
	SUB BASE CAPPING
	Notes
	1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE
	2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST
	3. CROSS DRAINS MAY BE REQUIRED WHERE ROADS BLOCK EXISTING SURFACE RUN OFF
	4. THIS DRAWING SHOWS THE TYPICAL STONE ROAD CONSTRUCTION, WHICH WILL BE USED TO REACH CONSTRUCTION AREAS SUCH AS PYLON WORKING AREAS
	5. GEOTEXTILE IS A VERY THIN WOVEN PERMEABLE SYNTHETIC SHEET WHICH STOPS AGGREGATES MIGRATING INTO THE EXISTING GROUND.
STOCK PROOF FENCE AS NECESSARY	6. DAMS CONSTRUCTED FROM GRAVEL, STRAW BALES AND / OR SILT NETTING MAY BE PROVIDED IN THE DITCHES TO SLOW AND TREAT FLOWS.
	7. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
	A 01/11/2022 FOR DCO SUBMISSION AD SF EMD Issue Date Remarks Drawn Checked Approved
	Title NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER
	CONSTRUCTION PLAN: ILLUSTRATIVE STONE ACCESS ROAD REGULATION 5(2)(0)
	SHEET 2 OF 6 nationalgrid
	Application Number EN020024
	Scale Sheet Size Issue
	N.T.S A1 SHEET 2 OF 6 A



PLAN VIEW

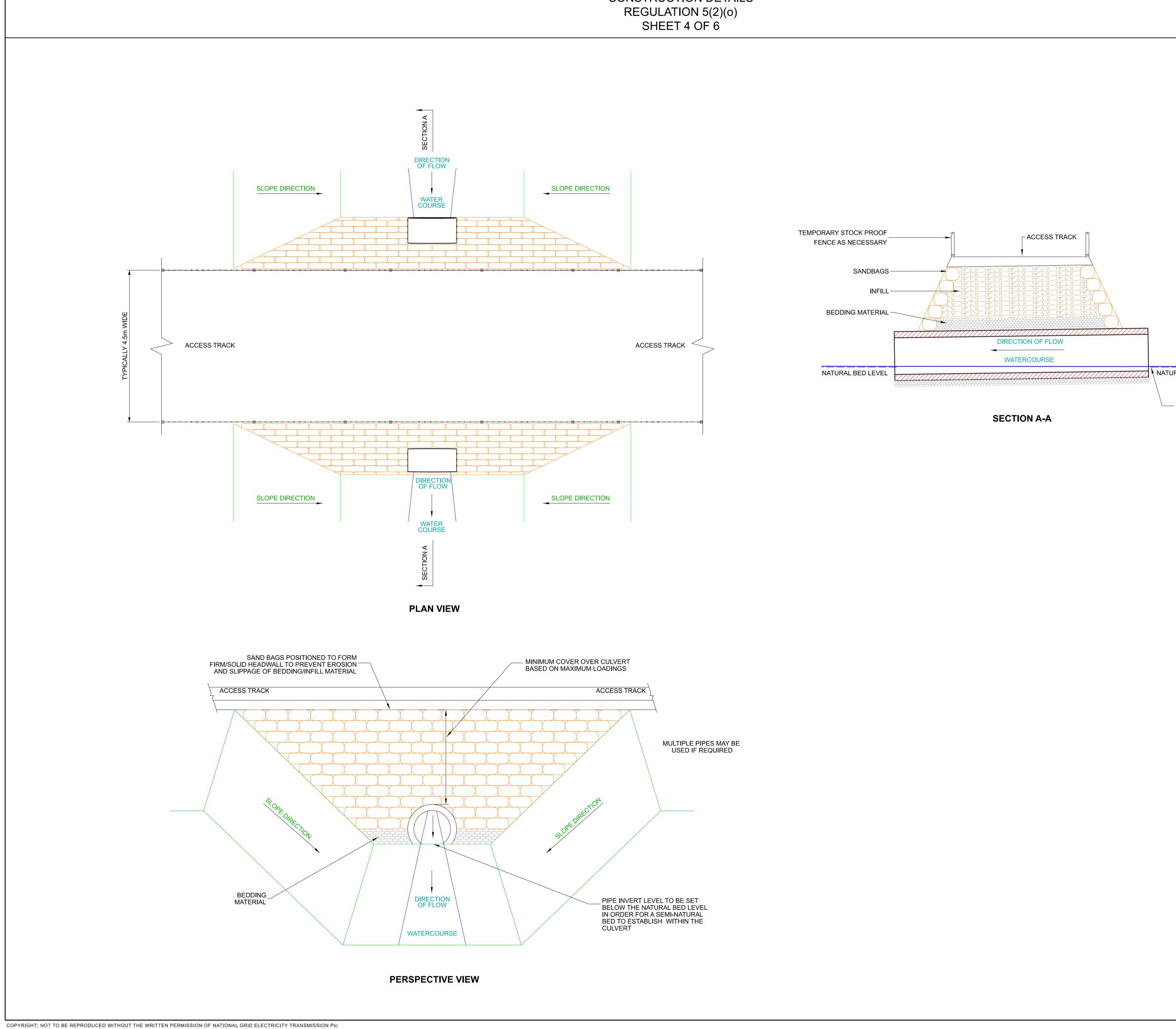
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NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE INTERLOCKING PANEL ACCESS FOR OVERHEAD LINE CONSTRUCTION REGULATION 5(2)(o) SHEET 3 OF 6

ELEVATION VIEW

Legend Image: Constraint of the second state of the second st
 Notes 1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE 2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST 3. WHEN SOFT GROUND IS ENCOUNTERED, ADDITIONAL PANELS TO BE USED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. 4. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
Image: Second
Application Number EN020024 National Grid Drawing Reference DCO_CO/PS/4_03 Scale Sheet Size N.T.S A1

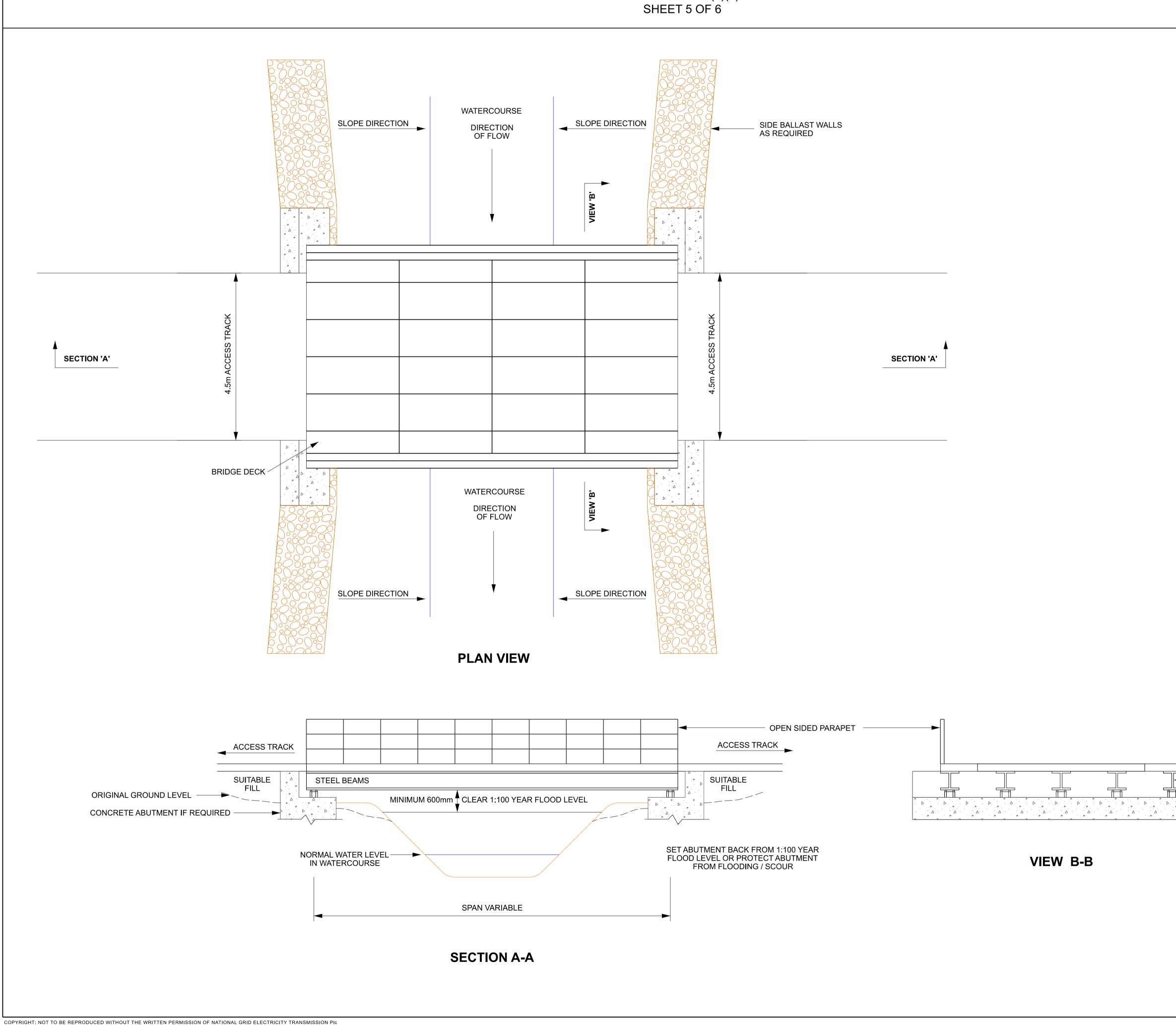




NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE CULVERT CONSTRUCTION DETAILS

	Legend					
	SANDBAG					
	INFILL BEDDING MATERIAL WATER ••••••••••• FENCELINE					
RAL BED LEVEL PIPE INVERT LEVEL TO BE SET BELOW THE NATURAL BED LEVEL IN ORDER FOR A SEMI-NATURAL BED TO ESTABLISH WITHIN THE CULVERT	Notes 1. ALL DIMENSIONS ARE INDICATED IN METRES(m) UNLESS NOTED OTHERWISE. 2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST. 3. FENCE OMIITED FOR CLARITY IN PLAN VIEW AND PERSPECTIVE VIEW. 4. SIZING OF CULVERT TO BE SITE SPECIFIC, IF CULVERT IS TEMPORARY, 1 IN 100 FLOOD EVENT WILL BE CONSIDERED. 5. BURYING THE CULVERT INVERT TO ALLOW A NATURAL BED TO FORM, WOULD NECESSITATE OVER-SIZING THE CULVERT. 6. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.					
	Image: Strain					
	EN020024 National Grid Drawing Reference DCO_CO/PS/4_04 Scale Sheet Size Sheet Issue					
	N.T.S A1 SHEET 4 OF 6 A					

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR OHL CONSTRUCTION REGULATION 5(2)(0) SHEET 5 OF 6



	Legend
	BALLAST WALLS
	1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE
	2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD
	NOT BE SCALED AGAINST. 3. ALTERNATIVE MATERIALS CAN BE USED TO CONCRETE
	ABUTMENTS, IF REQUIRED. 4. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE
	REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
BRIDGE DECK STEEL BEAM	
BRIDGE BEARING	
(IF REQUIRED)	
	A 01/11/2022 FOR DCO SUBMISSION AD SF EMD Issue Date Remarks Drawn Checked Approved
	Title NATIONAL GRID (YORKSHIRE GREEN ENERGY
	ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR OHL CONSTRUCTION
	REGULATION 5(2)(0) SHEET 5 OF 6
	nationalgrid
	Application Number EN020024 National Grid Drawing Reference
	DCO_CO/PS/4_05

<u>Scale</u>

N.T.S

Sheet Size

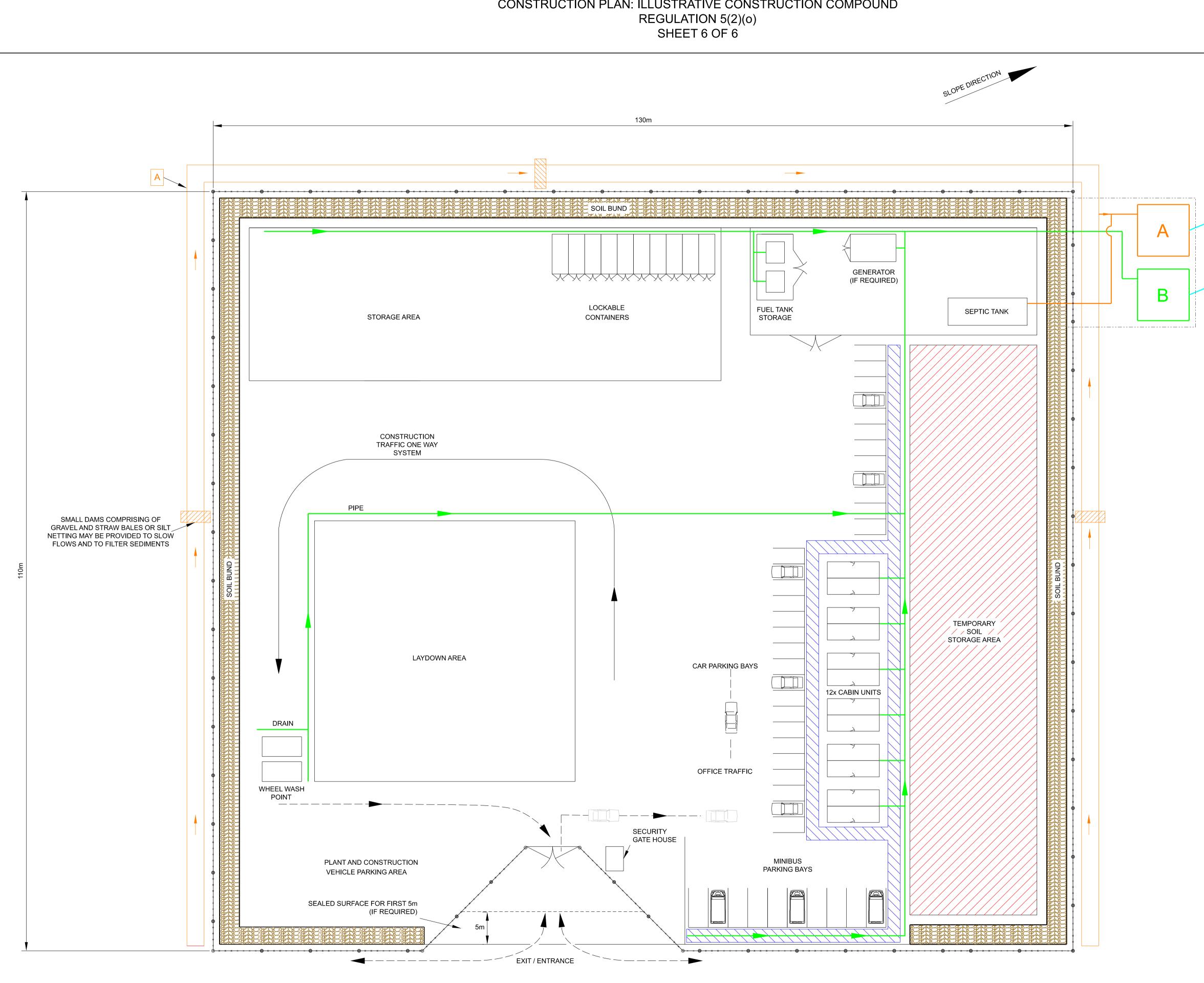
A1

Sheet

ssue

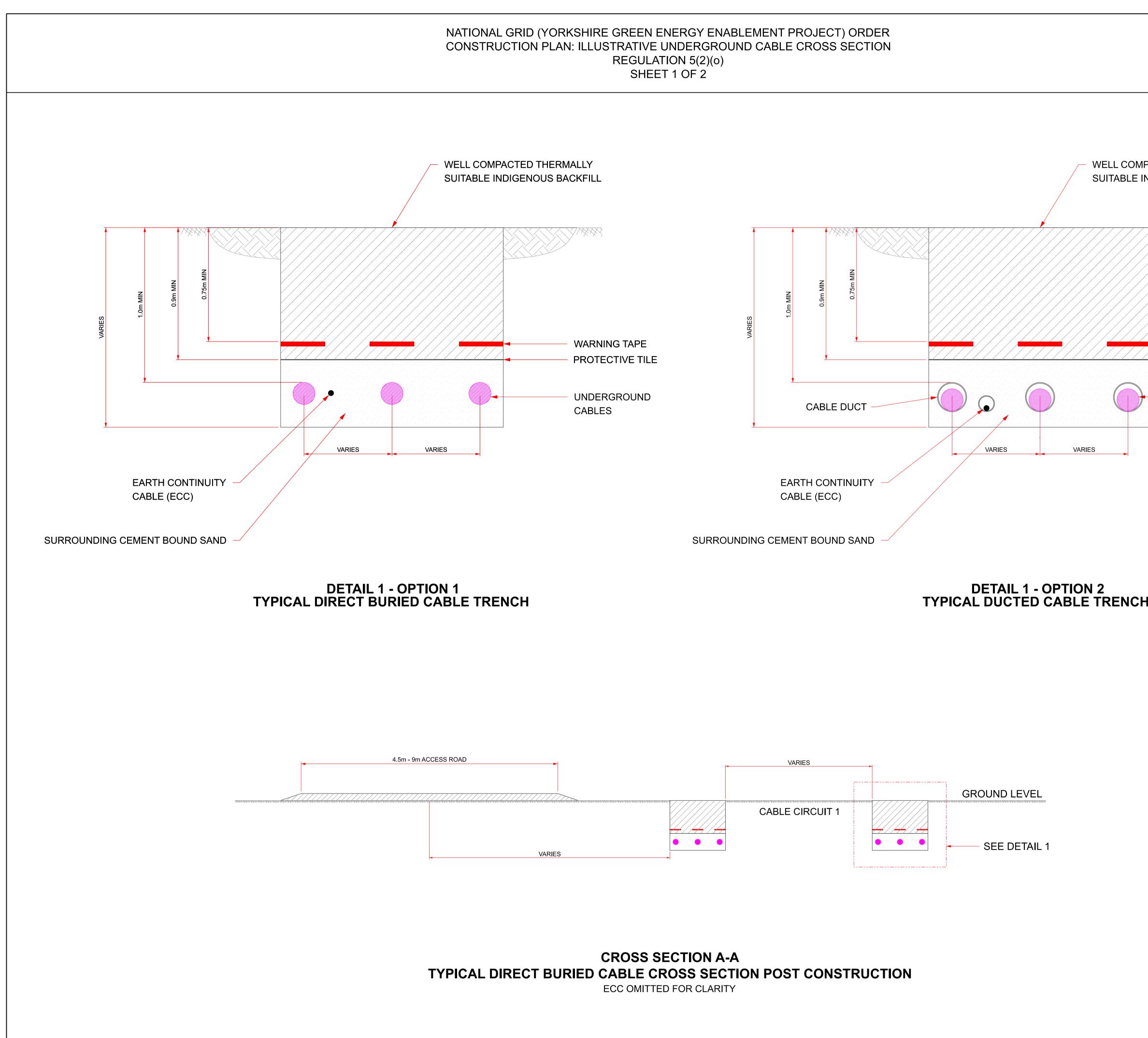
SHEET 5 OF 6 A



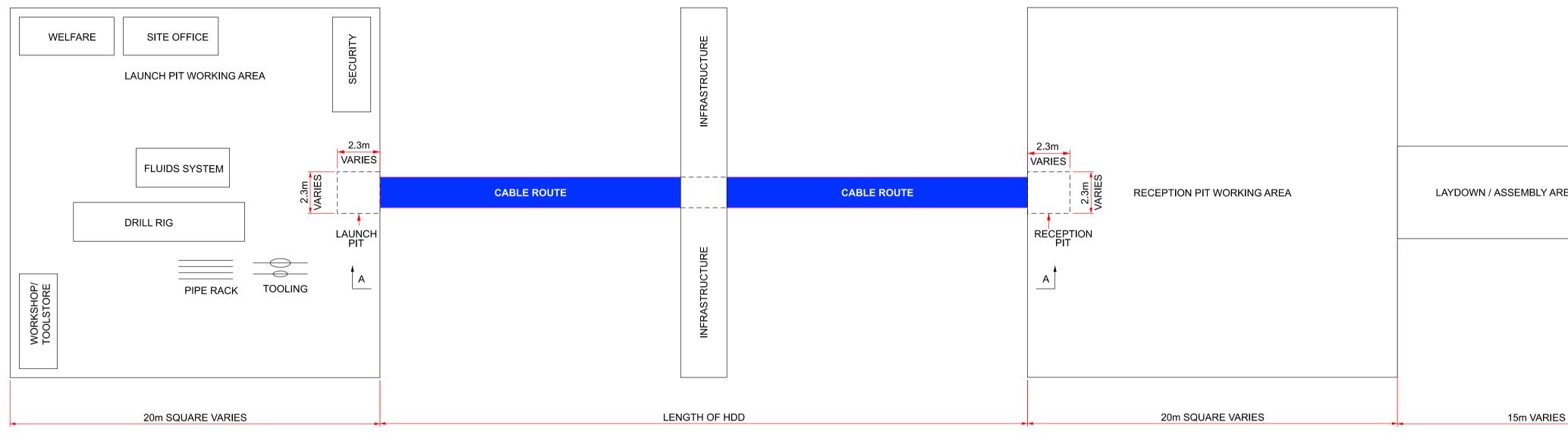


NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND

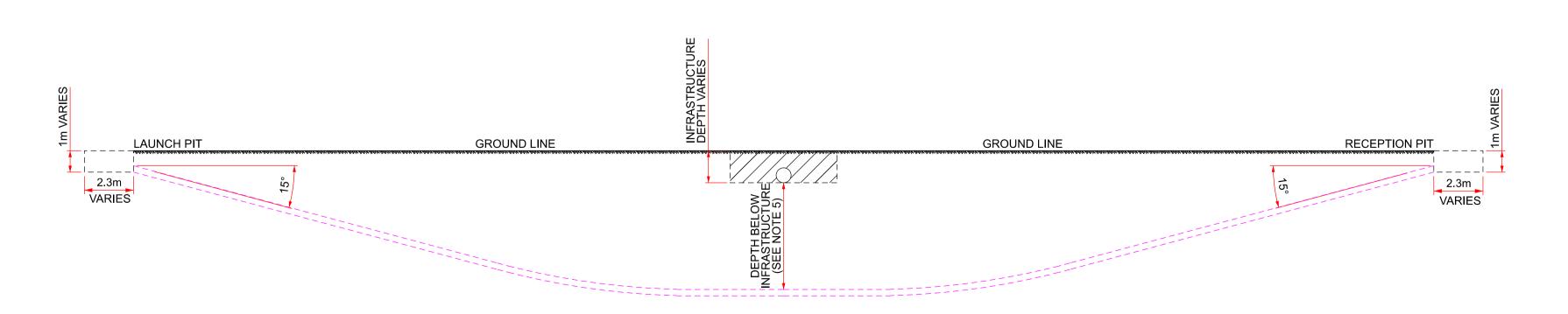
	Logond
	Legend PEDESTRIAN ACCESS
	SOIL BUND
	TEMPORARY SOIL STORAGE
	INTERCEPTOR DITCH
	FENCELINE
LOCAL WATER COURSE OR DRAIN	GATE
PIPEIDITCH	
PIPE DITCH OUTFALL INTO LOCAL WATERCOURSE/DRAIN	A OFFSITE SURFACE & SUBSURFACE DRAINAGE FLOWS AND TREATED DISCHARGE FROM SEPTIC PLANT CONVEYED INTO SILTATION SUMP / RETENTION FACILITIES. FLOWS FROM THIS DISCHARGED TO EITHER WATER COURSE, EXISTING DRAINS OR VIA NEW SOAKAWAY IF GROUND CONDITIONS ALLOW.
	B COMPOUND SURFACE WATER FLOWS FROM ALL IMPERMEABLE AREAS INCLUDING; CAR PARK, CABINS, LAY DOWN AREA ETC. CONVEYED INTO SILTATION SUMP, OIL FILTER AND RETENTION FACILITY. FLOWS OF WATER DISCHARGED FROM FACILITIES MUST BE RESTRICTED TO FLOW RATES EQUIVALENT OR LOWER THAN EXISTING GREEN FIELD RUNOFF RATES.
	Notes
	1. ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE
	2. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD
	NOT BE SCALED AGAINST. 3. DIMENSIONS AND LAYOUT ARRANGEMENT SHOWN ARE INDICATIVE ONLY. DESIGN WILL VARY ACCORDING TO THE
	AVAILABLE AREA, THE SPECIFIC SITE CONSTRAINTS AND THE CONSTRUCTION CONTRACTORS REQUIREMENTS.
	4. THIS DRAWING SHOWS A TYPICAL CONSTRUCTION COMPOUND, WHICH WILL BE IN PLACE DURING CONSTRUCTION OF THE RELEVANT ASPECTS OF THE CONSTRUCTION PROGRAMME.
	5. SOIL BUND WILL BE DESIGNED WITH SUITABLE GAPS / DRAINAGE PIPES TO ALLOW WATER FLOW IN FLOOD
	CONDITIONS. 6. SOIL WITHIN COMPOUND TO BE STRIPPED AND COMPOUNDS TEMPORARILY SURFACED.
	7. SITE CABINS MAY BE DOUBLE STOREY AND MAY BE RAISED TO TAKE ACCOUNT OF POTENTIAL FLOOD RISK.
	8. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT
	LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
	A 01/11/2022 FOR DCO SUBMISSION AD SF EMD
	Issue Date Remarks Drawn Checked Approved
	NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND REGULATION 5(2)(0) SHEET 6 OF 6
	national grid
	Application Number EN020024 National Grid Drawing Reference
	DCO_CO/PS/4_06 Scale Sheet Size Sheet Issue N.T.S A1 SHEET 6 OF 6 A



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PACTED THERM	ALLY				NATIVE	SOIL		
NDIGENOUS BA	CKFILL				UNDERC	ROUND	CABLE	
				NS ARE INDI RWISE.	CATED IN	METRE	S (m) UI	NLESS
	WARNING TAPE PROTECTIVE TILE	A	NY PRINTS T CCURACY O	G IS SCALED AKEN AT SM/ F THE MEASU ED AGAINST.	ALLER SIZ JREMENT	ES WILI	AFFEC	т
	UNDERGROUND CABLES	P D	URPOSE ON EPENDING C	RRANGEMEN LY. DIMENSIO DN SITE AND	ONS AND I INSTALLA	DESIGN TION CO	MAY VA NDITIO	NRY INS.
	ONDEED	0 5. F(R	BSTRUCTION OR ADDITION EFER TO DO	NATION REG NS WITH REG NAL DETAIL O CUMENT 2.3	GULAR OC IN THE PL PLAN GU	CURRE	NCE. ES, PLE DOCUN	EASE IENT
			OCATED IN V	OLUME 2 OF	THE DCC) APPLIC	ATION.	
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		Issue <u>Title</u>	Date (YO	NATIO RKSHIRE	NAL GR		Checked	Approved
			ENAE CONSTI UNDERGI	RKSHIRE BLEMENT I RUCTION ROUND C/ REGULA SHEE	ABLE CI	ROSS	DER RATIV SECT	/E ION
		Applica	ntion Number	atior		iric		
		Nationa	al Grid Drawing	g Reference	020024 0/PS/5_01			
		<u>Scale</u> N.	T.S	neet Size A1	<u>Sheet</u> SHEE	T 1 OF 2	<u>lssue</u>	A



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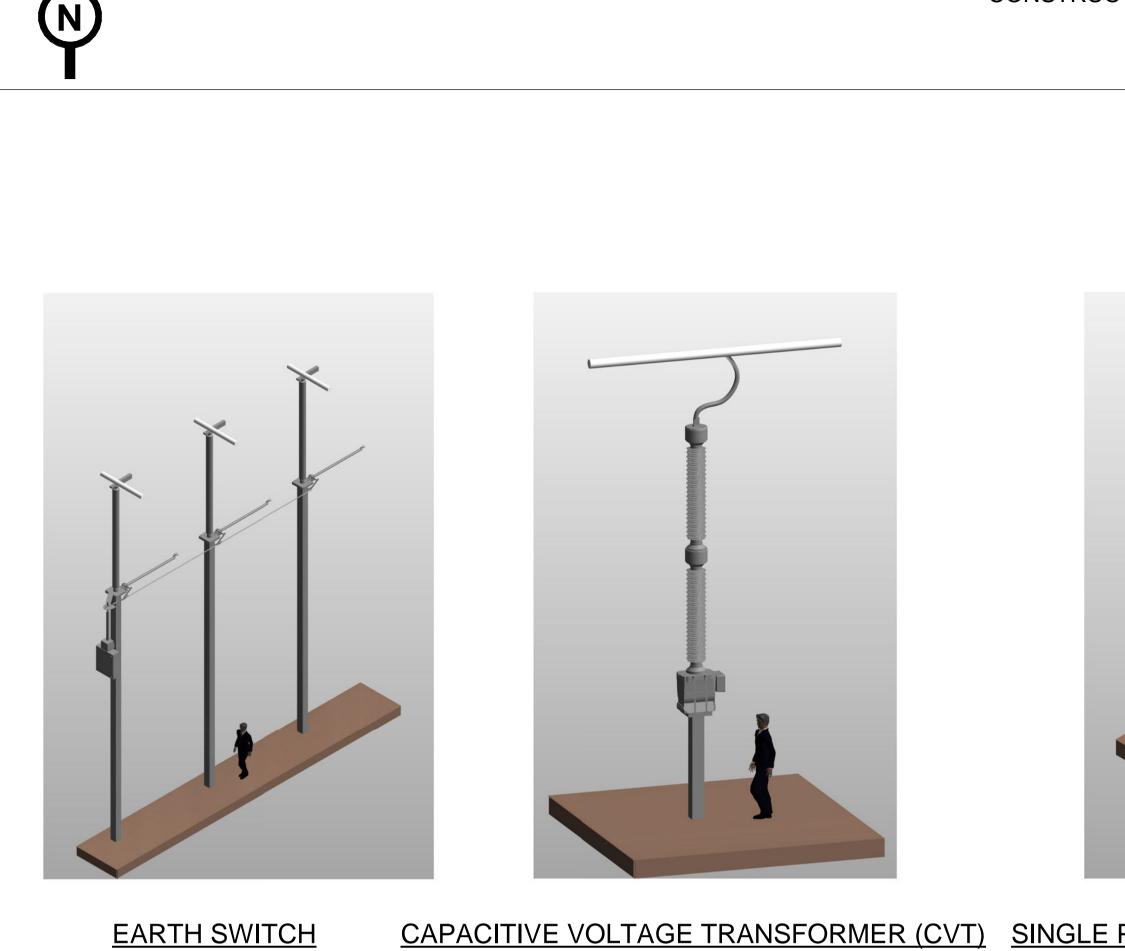


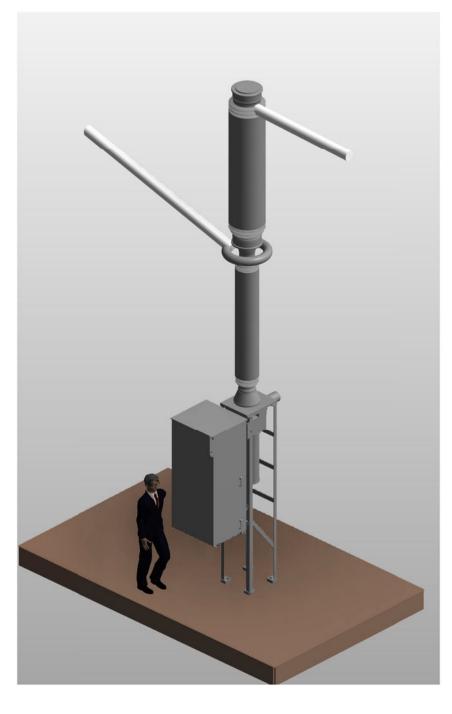
TYPICAL PLAN VIEW OF HDD UNDER TYPICAL INFRASTRUCTURE

SECTION A-A TYPICAL HDD CABLE DUCT CROSSING

	Legend
	INDIGENOUS SOIL PROPOSED CABLE ALIGNMENT PROPOSED HORIZONTAL DIRECTIONAL DRILL CABLE ROUTE
	Notes
FOR DUCTS	 ALL DIMENSIONS ARE INDICATED IN METRES (m) UNLESS NOTED OTHERWISE. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST. PROPOSED ARRANGEMENT SHOWN FOR INDICATIVE PURPOSE ONLY. DIMENSIONS AND DESIGN MAY VARY DEPENDING ON SITE AND INSTALLATION CONDITIONS. GROUND PROFILES ARE SHOWN FOR INDICATIVE PURPOSES ONLY.
	 5. CROSSING DEPTH BELOW INFRASTRUCTURE TO BE AGREED WITH INFRASTRUCTURE ASSET OWNERS. 6. DIMENSIONS OF WORKING AREAS ARE APPROXIMATE AND VARY BASED UPON SITE CONDITIONS. 7. FOR ADDITIONAL DETAIL ON THE PLAN SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
	Image: state of the state of
	Issue Date Remarks Drawn Checked Approved Title NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE UNDERGROUND CABLE HORIZONTAL DIRECTIONAL DRILL CROSS-SECTION REGULATION 5(2)(o) SHEET 2 OF 2
	Application Number EN020024
	National Grid Drawing Reference DCO_CO/PS/5_02 Scale Sheet Size Issue
	N.T.S A1 SHEET 2 OF 2 A

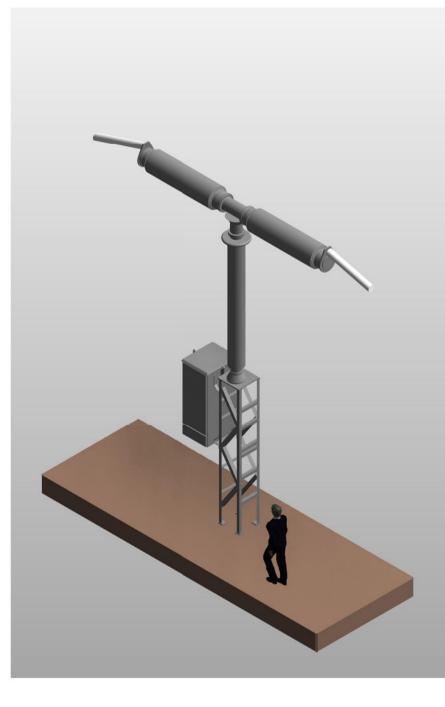






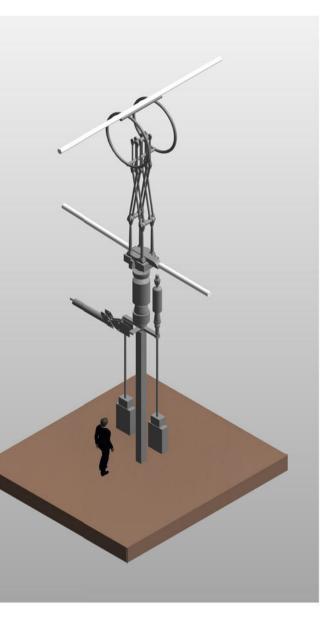
275kV SINGLE CIRCUIT BREAKER

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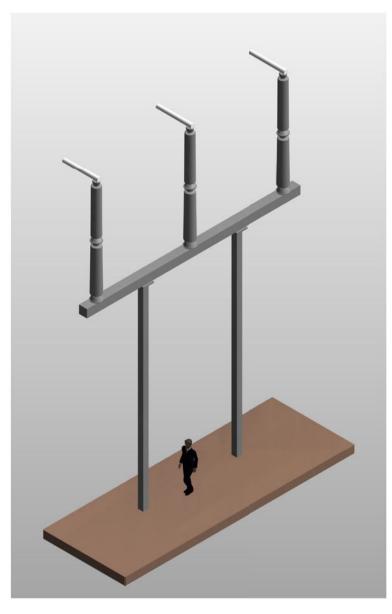


400kV SINGLE CIRCUIT BREAKER

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT REGULATION 5(2)(o) SHEET 1 OF 4



CAPACITIVE VOLTAGE TRANSFORMER (CVT) SINGLE PANTOGRAPH DISCONNECTOR



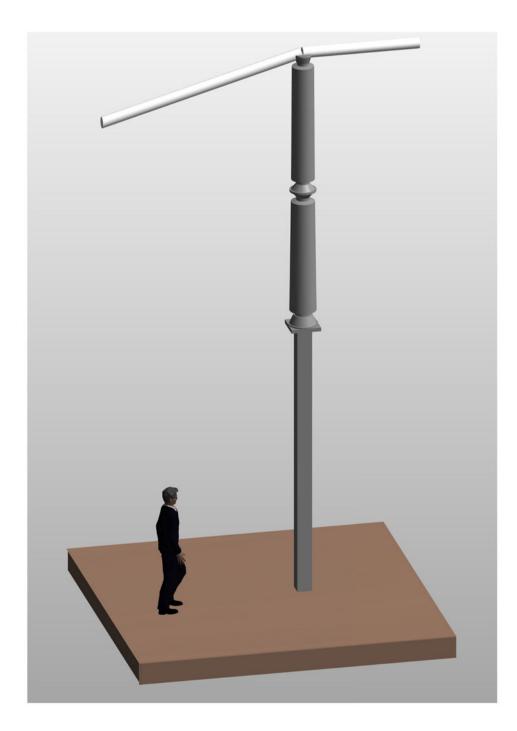


THREE PHASE POST INSULATOR

SINGLE CURRENT TRA

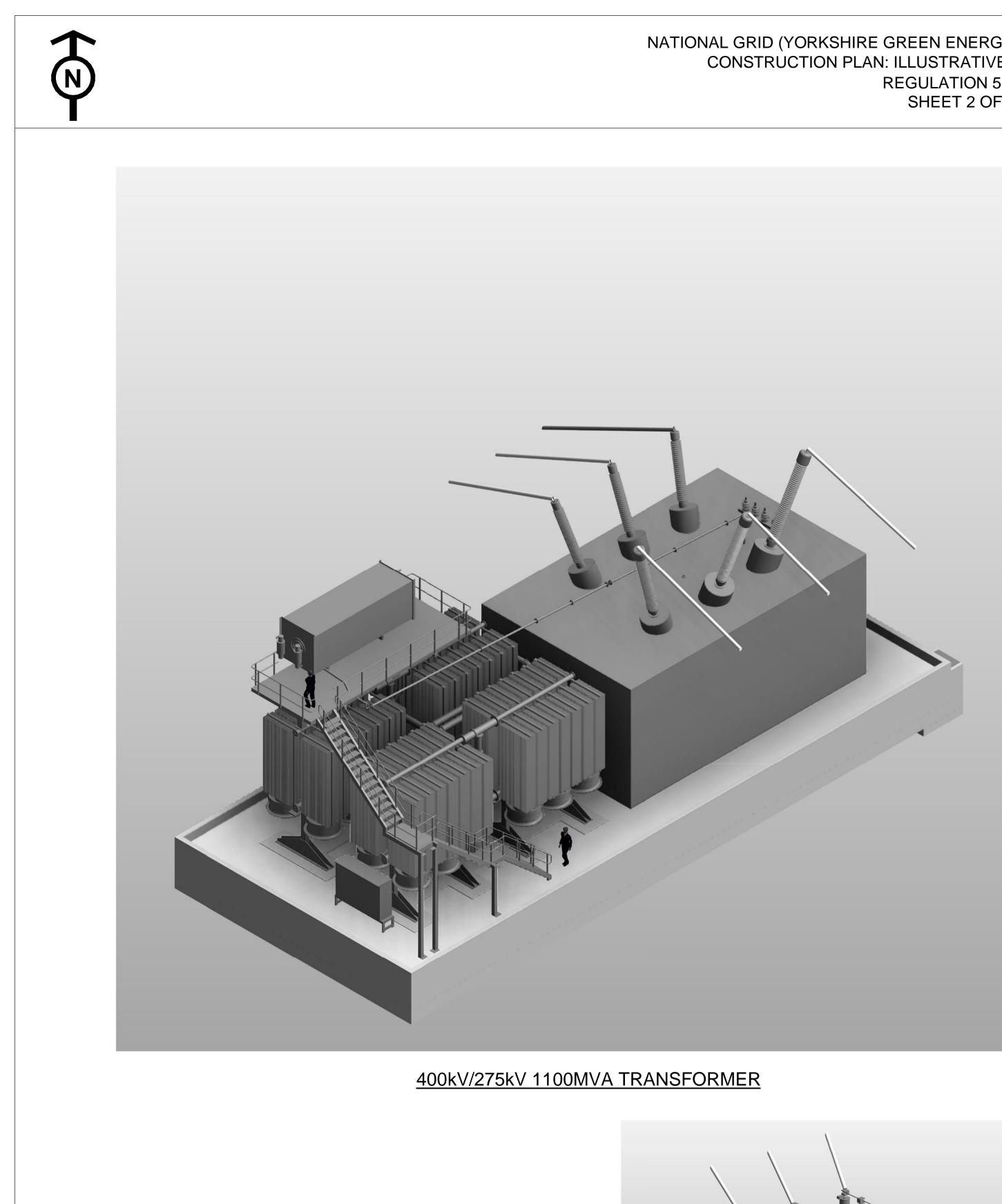


SINGLE POST INSULATOR

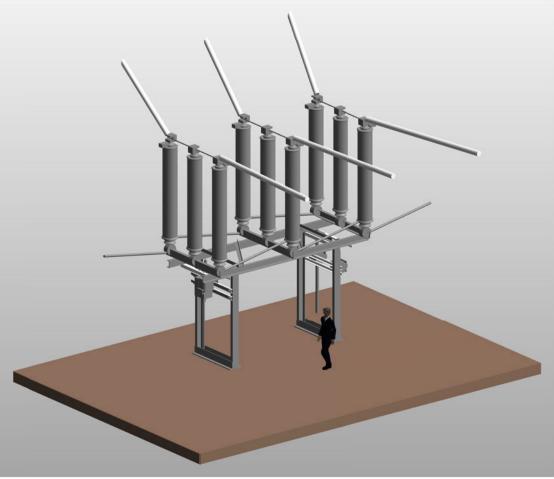


SINGLE CABLE SEALING END

	Legend
ANSFORMER	Notes 1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST. 2. NO UNAUTHORISED DISCLOSURE, STORAGE OR COPYING. 3. THE HEIGHT OF INDICATIVE PERSON SHOWN IS 1750mm. 4. FOR ADDITIONAL DETAIL ON THE DRAWING SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN VOLUME 2 OF THE DCO APPLICATION.
	A 01/11/22 FOR DCO SUBMISSION NB SF EMD
	Issue Date Remarks Drawn Checked Approved Title NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT REGULATION 5(2)(o) SHEET 1 OF 4
	Application Number EN020024 National Grid Drawing Reference DCO_CO/PS/6_01 Scale Sheet Size Sheet Issue N.T.S. A1 SHEET 1 OF 4 A



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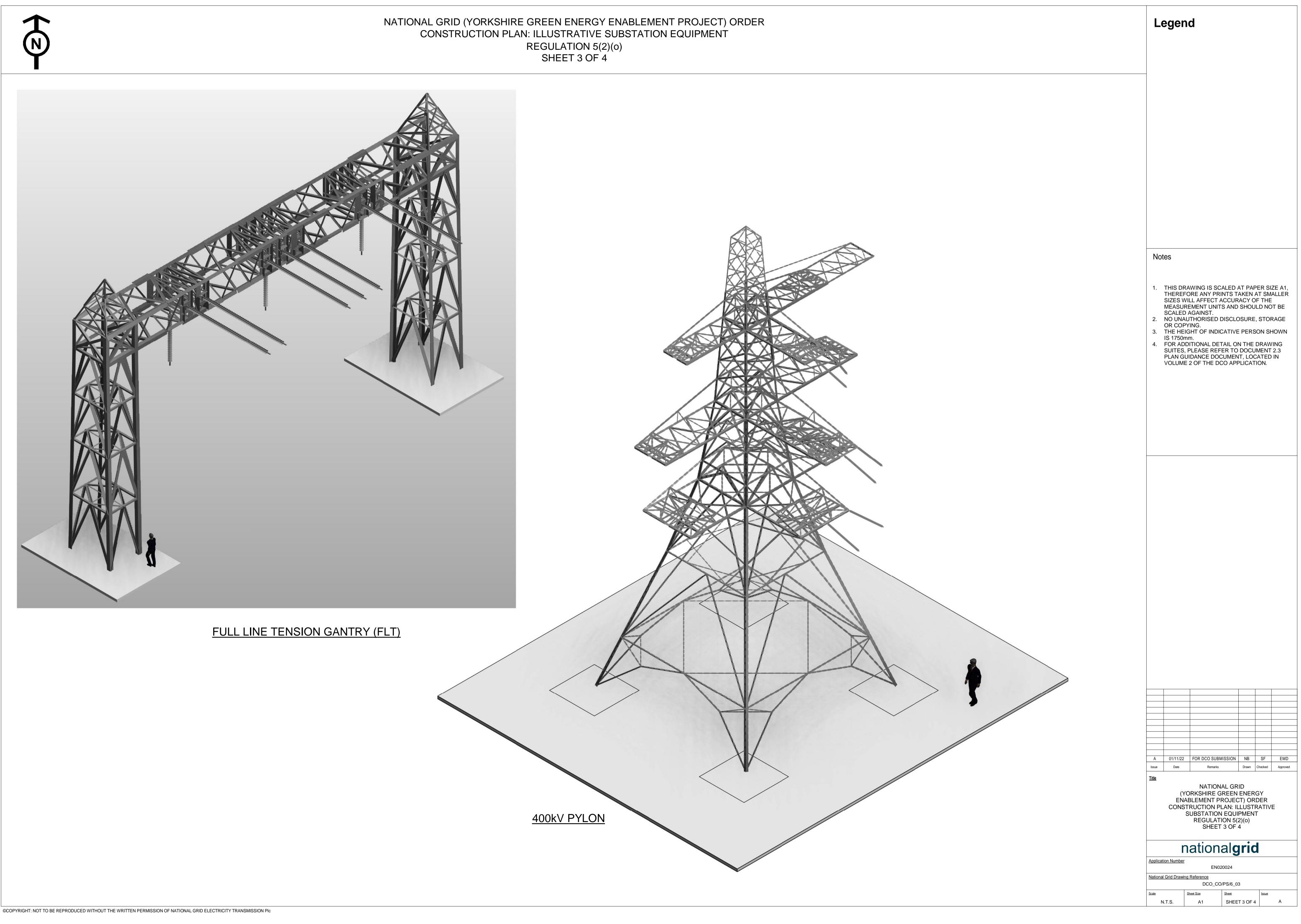
DISCONNECTOR WITH EARTH SWITCH

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT REGULATION 5(2)(o) SHEET 2 OF 4

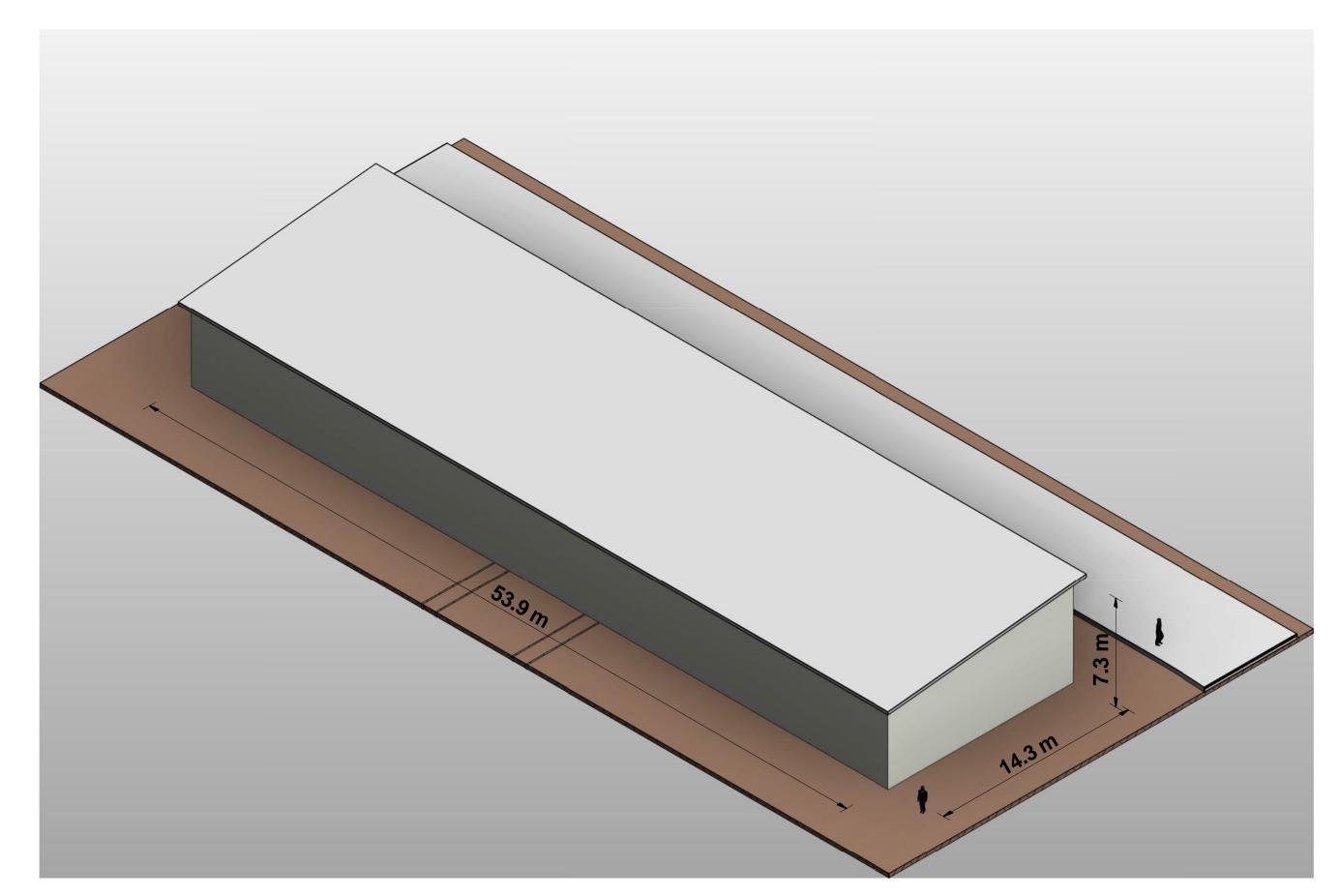


SINGLE SURGE ARRESTOR

Legend
Notes
1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE
 SCALED AGAINST. NO UNAUTHORISED DISCLOSURE, STORAGE OR COPYING. THE HEIGHT OF INDICATIVE PERSON SHOWN
 INE INFIGURE OF INDIGATIVE FERGON CHOWN IS 1750mm. FOR ADDITIONAL DETAIL ON THE DRAWING SUITES, PLEASE REFER TO DOCUMENT 2.3 PLAN GUIDANCE DOCUMENT, LOCATED IN
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A 01/11/22 FOR DCO SUBMISSION NB SF EMD Issue Date Remarks Drawn Checked Approved
Title NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER
CONSTRUCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT REGULATION 5(2)(0) SHEET 2 OF 4
SHEET 2 OF 4 nationalgrid
Application Number EN020024
National Grid Drawing Reference DCO_CO/PS/6_02 Scale Sheet Size Issue
Site Site Site N.T.S. A1 SHEET 2 OF 4 A



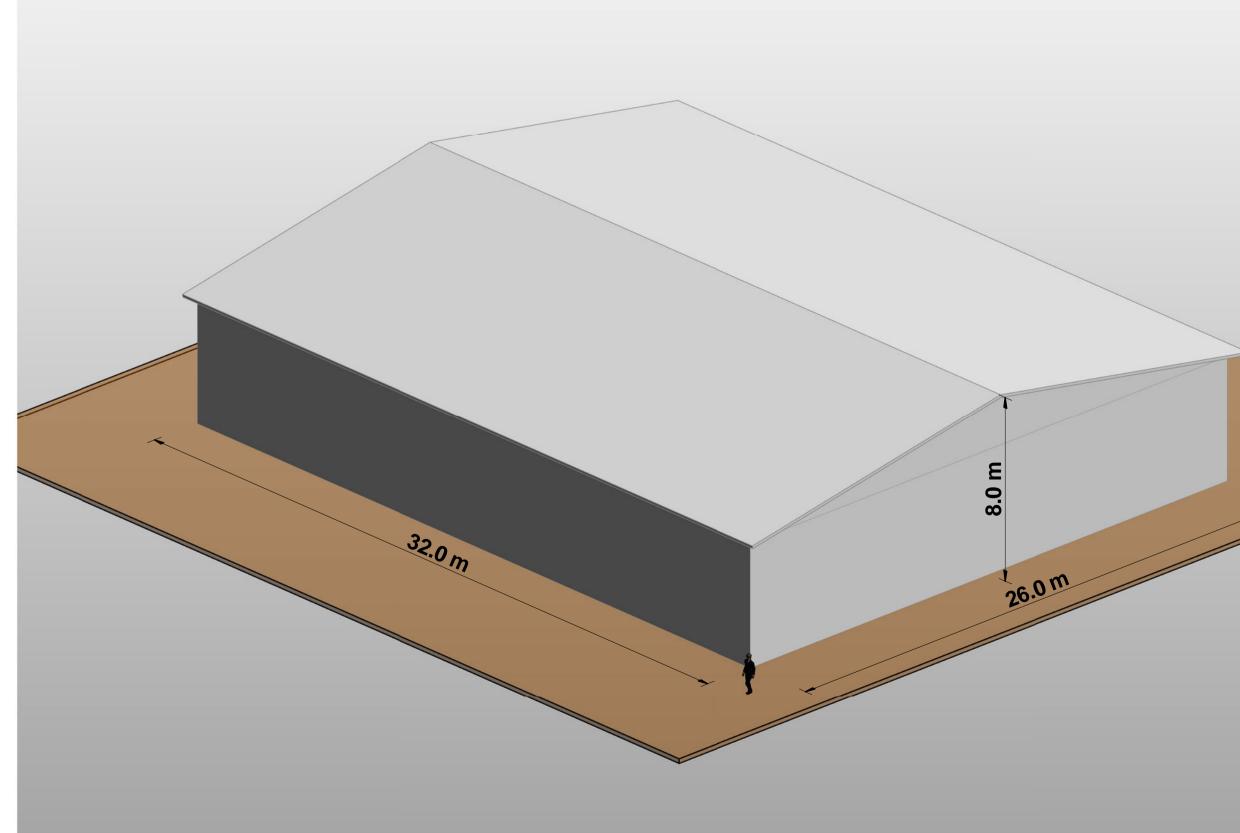




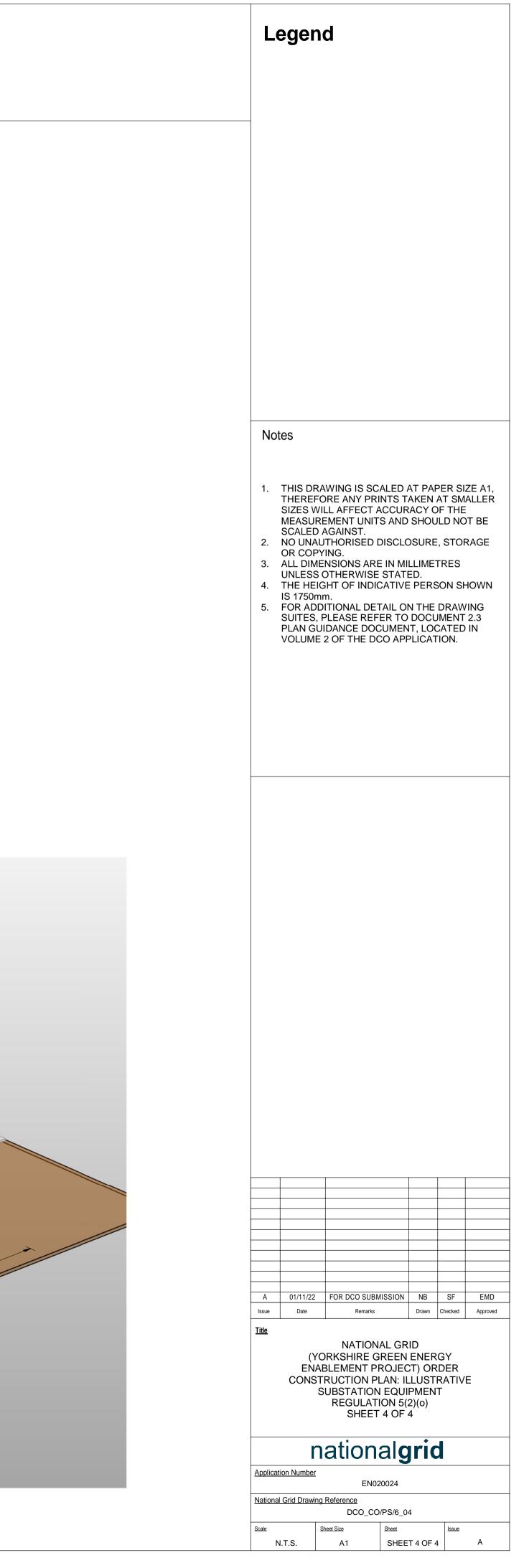
CONTROL BUILDING-OVERTON

(N)

NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CONSTRUCTION PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT REGULATION 5(2)(o) SHEET 4 OF 4



CONTROL BUILDING - MONK FRYSTON



National Grid plc National Grid House, Warwick Technology Park, Gallows Hill, Warwick. CV34 6DA United Kingdom

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