

Snowdonia VIP Project

Typical Site Set Up and Drilling Rig Brochures

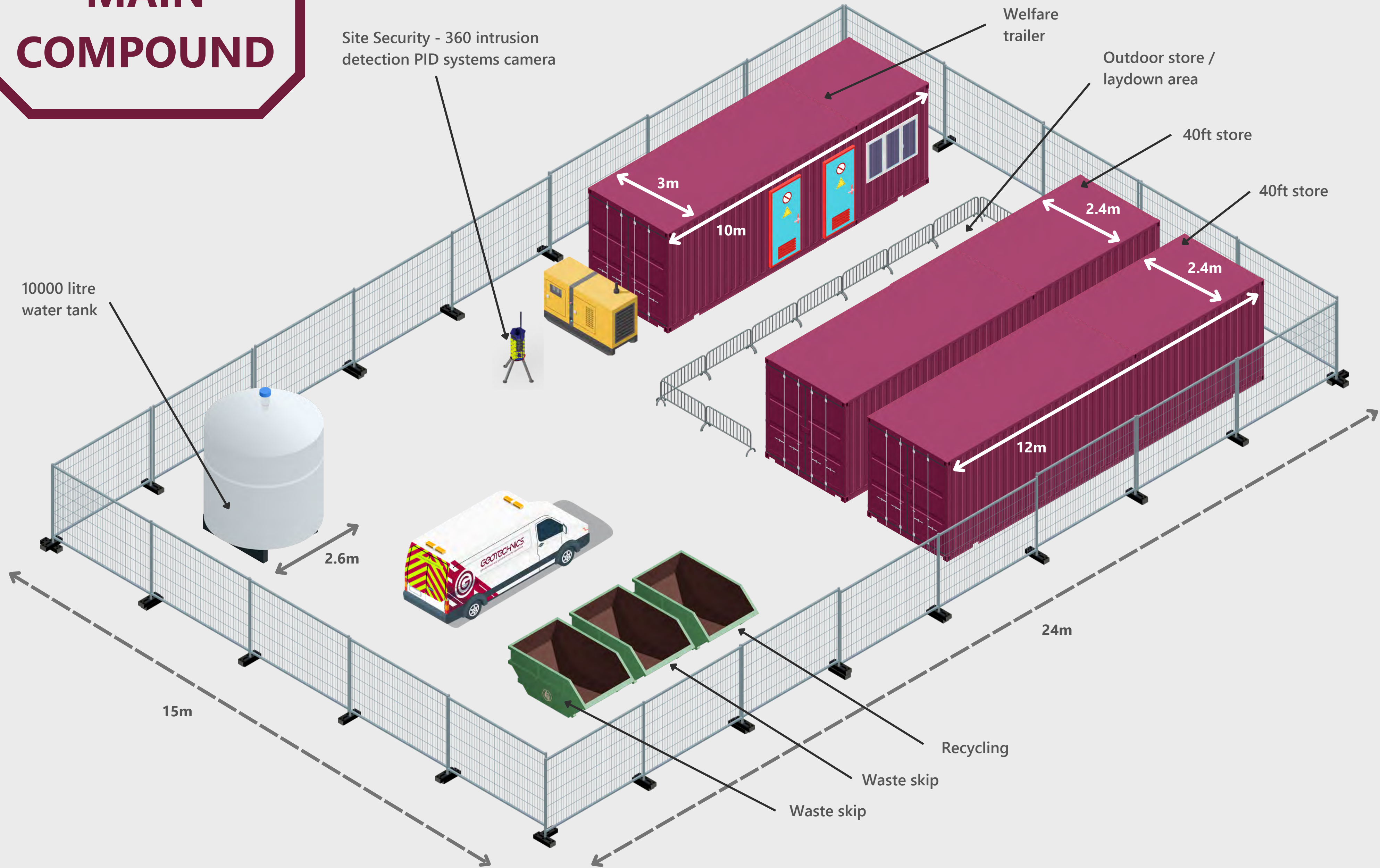


Appendices

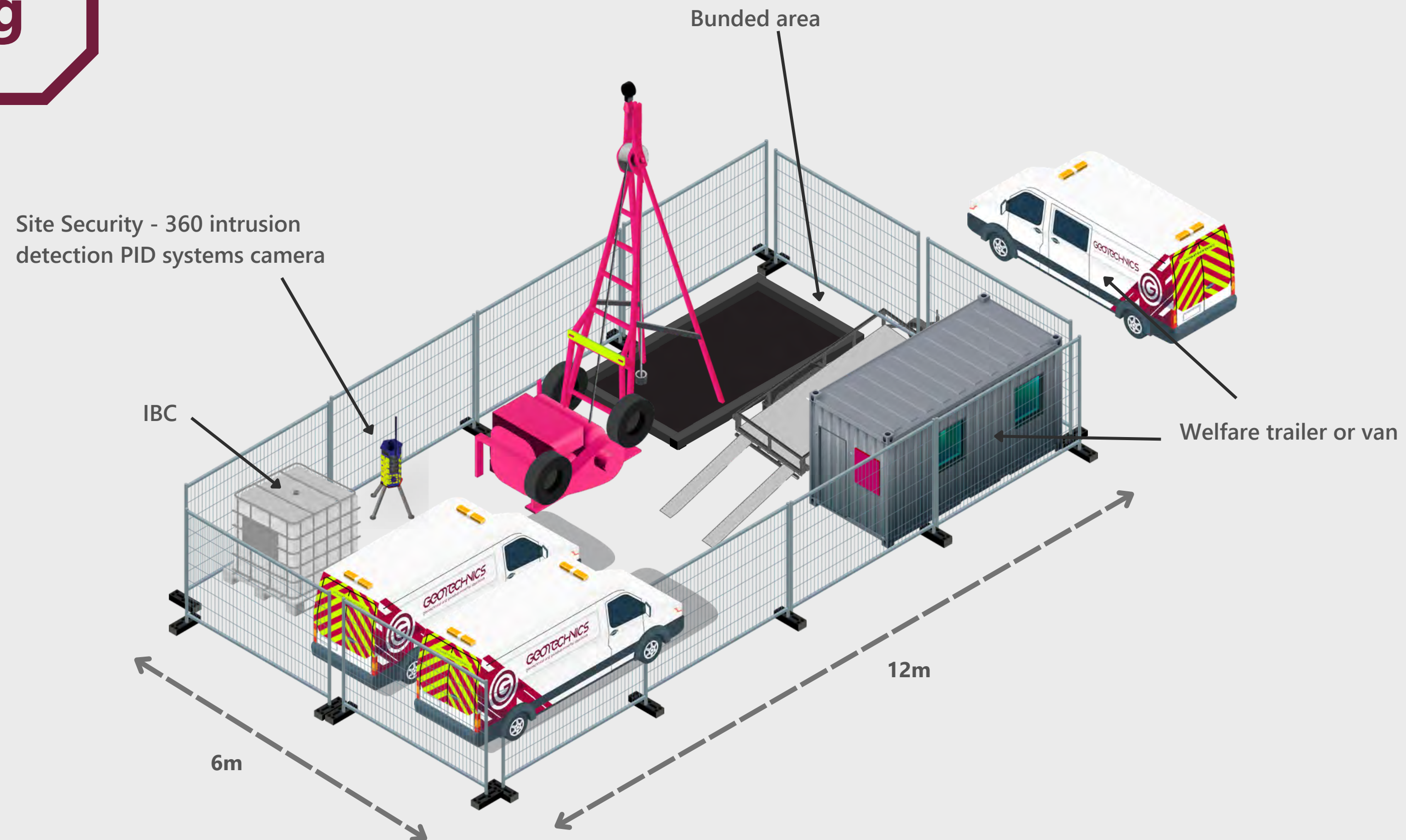
- 1. Site area plans, and compound set up drawings.*



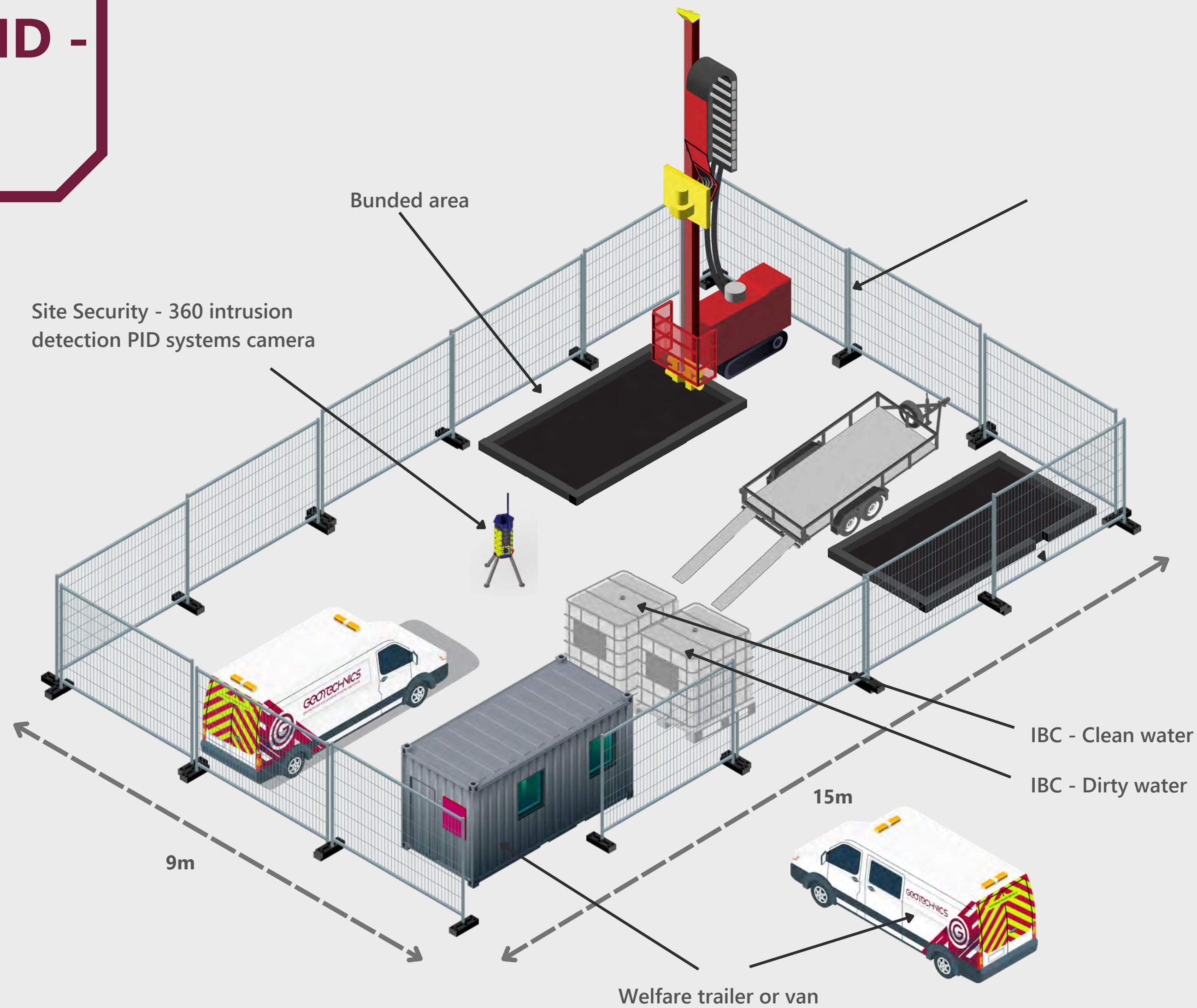
MAIN COMPOUND



DRILLING COMPOUND -Cable Rig



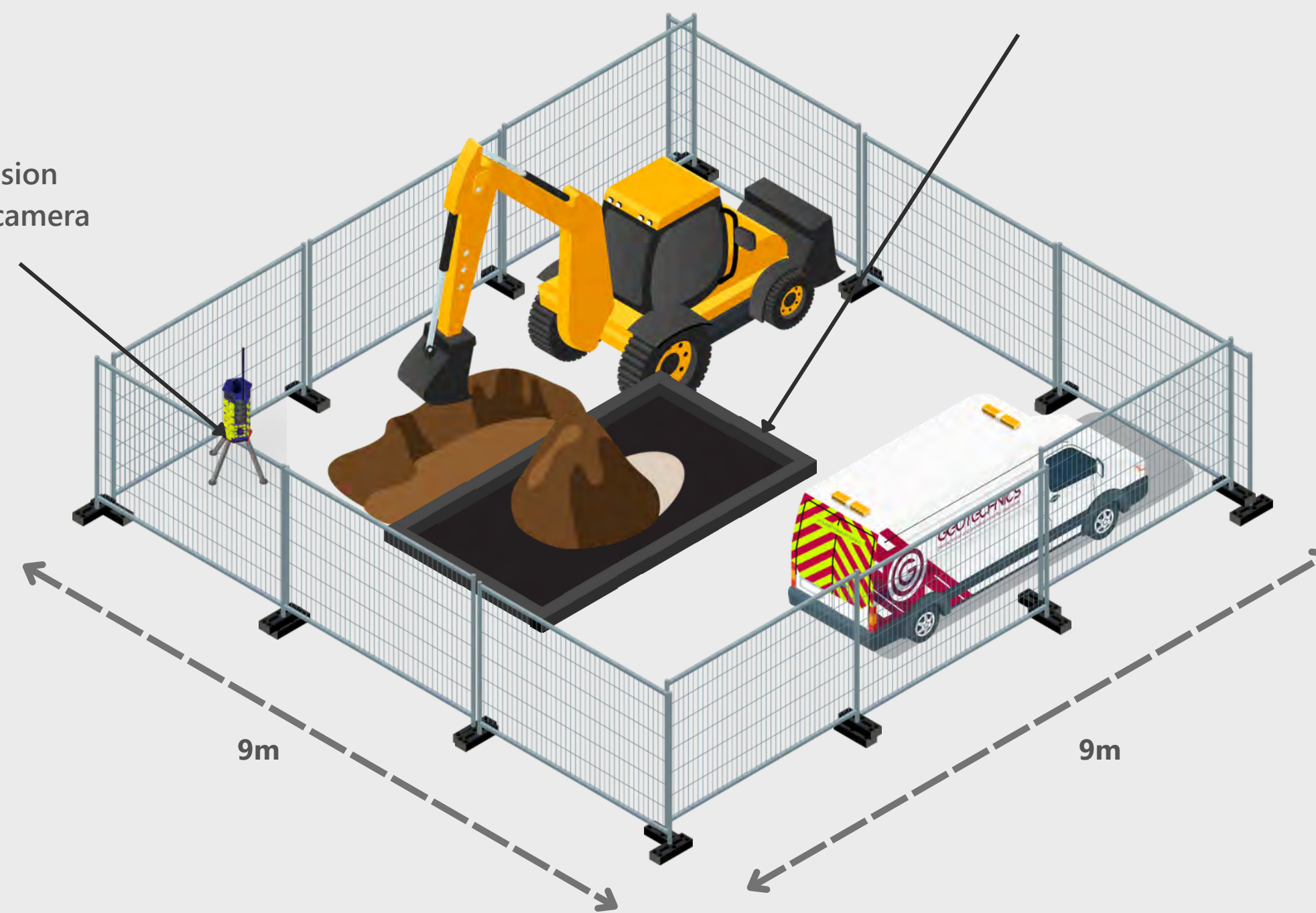
DRILLING COMPOUND - Rotary



TRIAL PITTING COMPOUND

Site Security - 360 intrusion
detection PID systems camera

Bunded area



Appendices

2. *Rig Brochure Cable Rig*





Dando Drilling International

Dando 2000 MK2 and 3000 MK2

A Geotechnical shell and auger drill rig with a host of new features carefully designed to complement the reliable, versatile nature of the tried and tested Dando 2000 and 3000.

New, more powerful clutch

Gives the driller a more responsive 'snappy' feel

Improved winch guarding

Electric mast raising system

For faster, safer raising of the rig

Increased engine silencing

Composite, maintenance free crown sheave with a new sheave material

Allowing for longer life without the need for maintenance or greasing

Emergency stop button



2000 Mk.2



Dando 2000 MK2 and 3000 MK2

Specification Details

Complete mobile drilling rig for operating percussion drilling tools and casing, sampling and testing equipment. Suitable for towing behind Landrover or light truck.

The MK2 features a new clutch, giving improved snatch capability to the rig.

Full clutch and winch guards are fitted as standard.

General Specifications

	2000	3000
Engine power	18HP (13kW) @ 1800rpm	20HP (15kW) @ 1600rpm
Winch (single line pull)	2000kgf	3000kgf
Drilling depths and diameters	6 inch to 250ft (150mm) (75m) 8 inch to 132ft (203mm) (40m)	6 inch to 300ft (150mm) (90m) 8 inch to 200ft (203mm) (61m)

Note: The maximum drilling capacity is dependent on the drilling conditions and type and size of tools. The figures given provide a general rule only.

	2000	3000
Derrick working height under sheaves	5.2m	5.2m
Overall height derrick erected	6.65m	6.55m
Derrick loading	6000kg	9000kg
Travelling dimensions - length	7.5m	8.5m

Shipping Specifications

Engine and winch unit	Length: 2.44m (8'0")	Width: 1.62m (5'3")	Height: 1.38m (4'6")
Mast unit	Length: 6.7m (21'9")	Width: 1.8m (2'9")	Height: 1.10m (1'6")

An independent electrically operated winch with remote cable control is fitted on the Sampson post so that the derrick legs can be raised and lowered safely.

Also including removable mud guards and overrun braking mechanism incorporating towing eye and parking brake lever.

Optional Hydraulic Rotary Attachment can be supplied for coring and rotary drilling.



Appendices

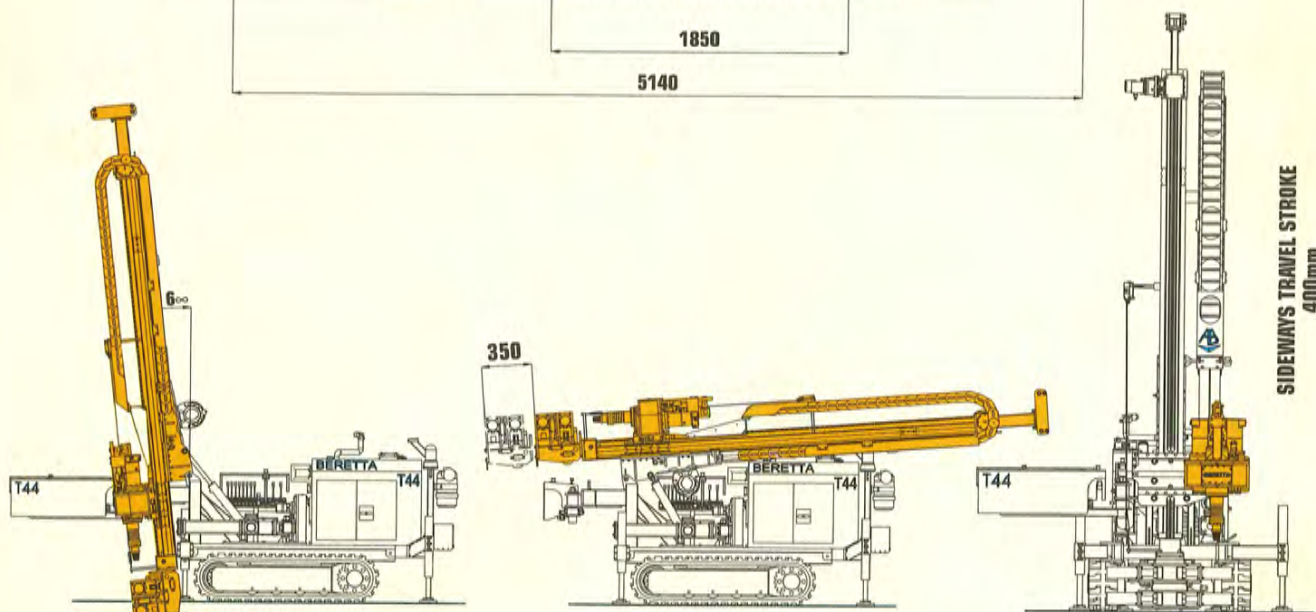
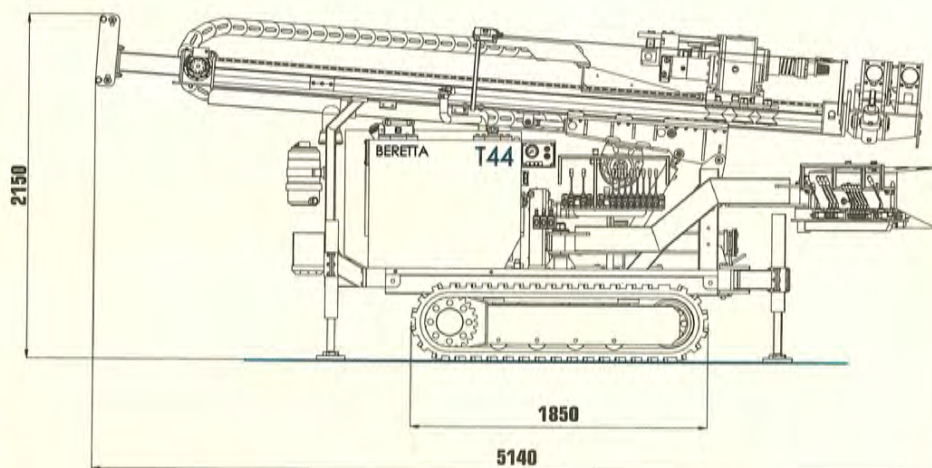
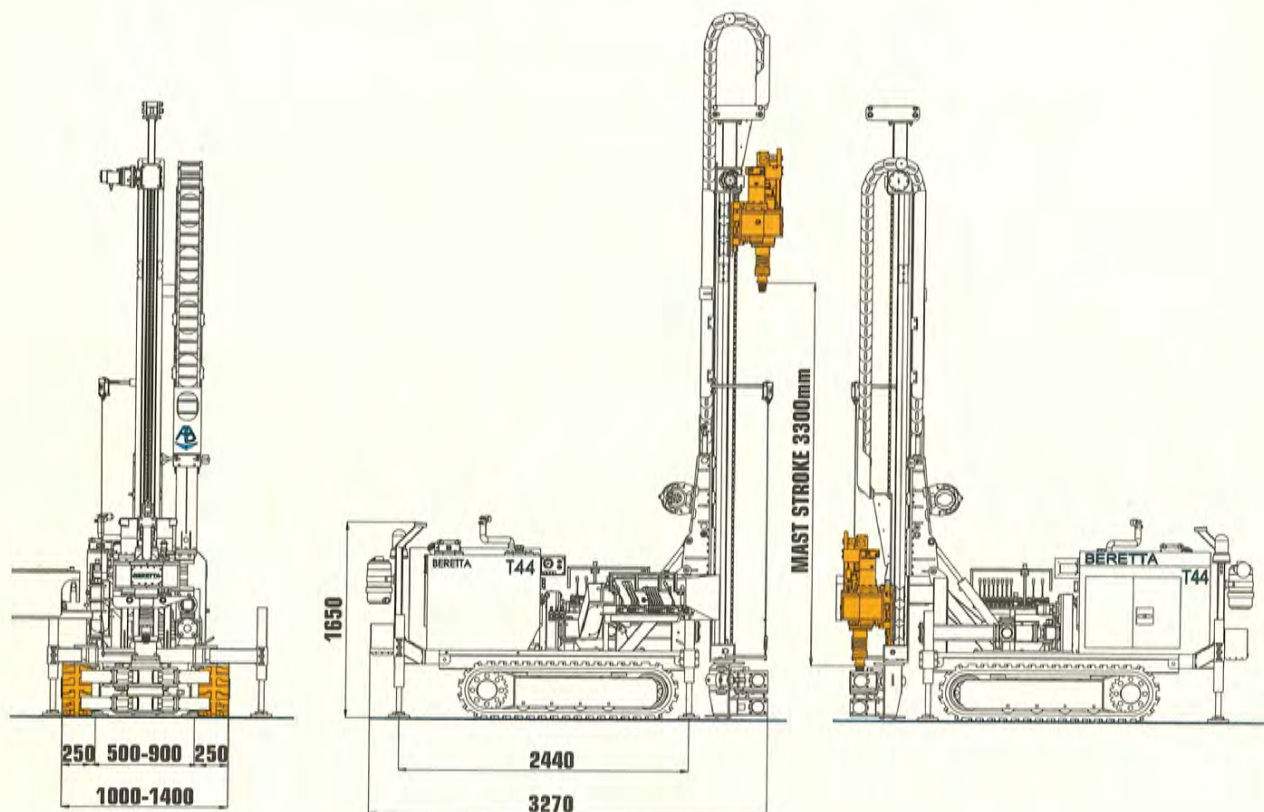
3. *Rig Brochure Rotary Rig*





Perforatrice Idraulica • Hydraulic Drilling

BERETTA T44



Caratteristiche tecniche

MOTORE DIESEL SILENZIATO

tipo
tipo
potenza

CARRO CINGOLATO

velocità
pendenza massima superabile
pressione specifica al suolo
larghezza pattini
apertura variabile carro

SLITTA

lunghezza slitta
corsa carrello testa rotazione
tiro-spinta massimo motoriduttore

TESTA ROTAZIONE STANDARD

coppia max - PARALLELO
giri - PARALLELO
coppia massima - SERIE
giri - SERIE
numero marce
corsa spostamento laterale
nota: a richiesta si possono avere
diverse coppie e numeri di giri/
a richiesta è possibile applicare
martello idraulico esterno

TESTA ROTAZIONE OPTIONAL 46-4V

numero marce
I marcia - coppia max
I marcia - giri max
II marcia - coppia max
II marcia - giri max
III marcia - coppia max
III marcia - giri max
IV marcia - coppia max
IV marcia - giri max
diam. passaggio interno jet grouting
corsa spostamento laterale
nota: a richiesta si possono avere
diverse coppie e numeri di giri/
a richiesta è possibile applicare
martello idraulico esterno

MORSA SEMPLICE - STANDARD

diametri bloccaggio
forza di chiusura

MORSA DOPPIA - OPTIONAL

diametri bloccaggio
forza di chiusura
coppia svitamento

ARGANO - OPTIONAL

diametro fune
capacità fune
tiro massimo

ALTRI OPTIONALS

martello idraulico esterno
pompa dell'acqua
pompa fango a vite
pompa cemento
pompa scarotatrice

IMPIANTO IDRAULICO

pompe a ingranaggi standard

pressione massima

PESO TOTALE MACCHINA

Technical data

SILENCED DIESEL ENGINE

type
type
power

CRAWLERS

speed
max gradeability
ground bearing pressure
shoe width
opening varying crawlers

MAST

mast length
stroke of rotary head
ratiomor pull-push

STANDARD ROTARY HEAD

max torque - PARALLEL
speed - PARALLEL
max torque - SERIES
speed - SERIES
speed number
sideways travel stroke
other performances upon request/
external hydraulic hammer upon request

OPTIONAL ROTARY HEAD 46-4V

speed number
I speed - max torque
I speed - speed
II speed - max torque
II speed - speed
III speed - max torque
III speed - speed
IV speed - max torque
IV speed - speed
inside diameter for jet-grouting
sideways travel stroke
other performances upon request/
external hydraulic hammer upon request

SIMPLE CLAMP - STANDARD

blocking diameter
clamping force

DOUBLE CLAMP - OPTIONAL

blocking diameter
clamping force
break-out torque

WINCH - OPTIONAL

rope diameter
rope capacity
max line pull

OTHER OPTIONALS

external hydraulic hammer
water pump
screw mud pump
concrete mud pump
sample ejection pump

HYDRAULIC SYSTEM

standard gear pumps

max pressure

TOTAL MACHINE WEIGHT

DEUTZ F4M2011
HATZ 4L41C
47 kw - 2500 rpm

0 - 3 km/h
55%
6,20 N/cm2
250 mm
1000 - 1400 mm

3800 mm
3300 mm
4000 kg

700 kgm
0 - 55 rpm
350 kgm
0 - 110 rpm
2
365 mm

4
803 kgm
0 - 45 rpm
401 kgm
0 - 90 rpm
205 kgm
0 - 176 rpm
102 kgm
0 - 352 rpm
62 mm
400 mm

50 - 219 mm
140 KN

50 - 219 mm
140 KN
19 KNm

7 mm
50 m
600 kg

n. 4: P1=67 l/min
P2=50 l/min
P3=50 l/min
P4=20 l/min
220 BAR

4400 kg

U.M. - U.S.A.

64 HP

0 - 1,86 mph
55%
8,8 PSI
9,84 in
39,37 - 55,12 in

149,60 in
129,92 in
8818 lb

5072 lb ft
0 - 55 rpm
2536 lb ft
0 - 110 rpm
2
14,37 in

4
5819 lb ft
0 - 45 rpm
2905 lb ft
0 - 90 rpm
1485 lb ft
0 - 176 rpm
740 lb ft
0 - 352 rpm
2,44 in
15,75 in

1,96 - 8,62 in
30864 lb

1,96 - 8,62 in
30864 lb
13768 lb ft

0,275 in
164 ft
1323 lb

n.4: P1=17,70 gal/min
P2=13,20 gal/min
P3=13,20 gal/min
P4=5,28 gal/min
3129 PSI

9697 lb



Beretta Alfredo

s.r.l.

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ISO 9001 - Cert. n. 1323/0

GEO 405

Perforatrice idraulica cingolata multifunzione
Multipurpose hydraulic crawler drill



High Tech Line

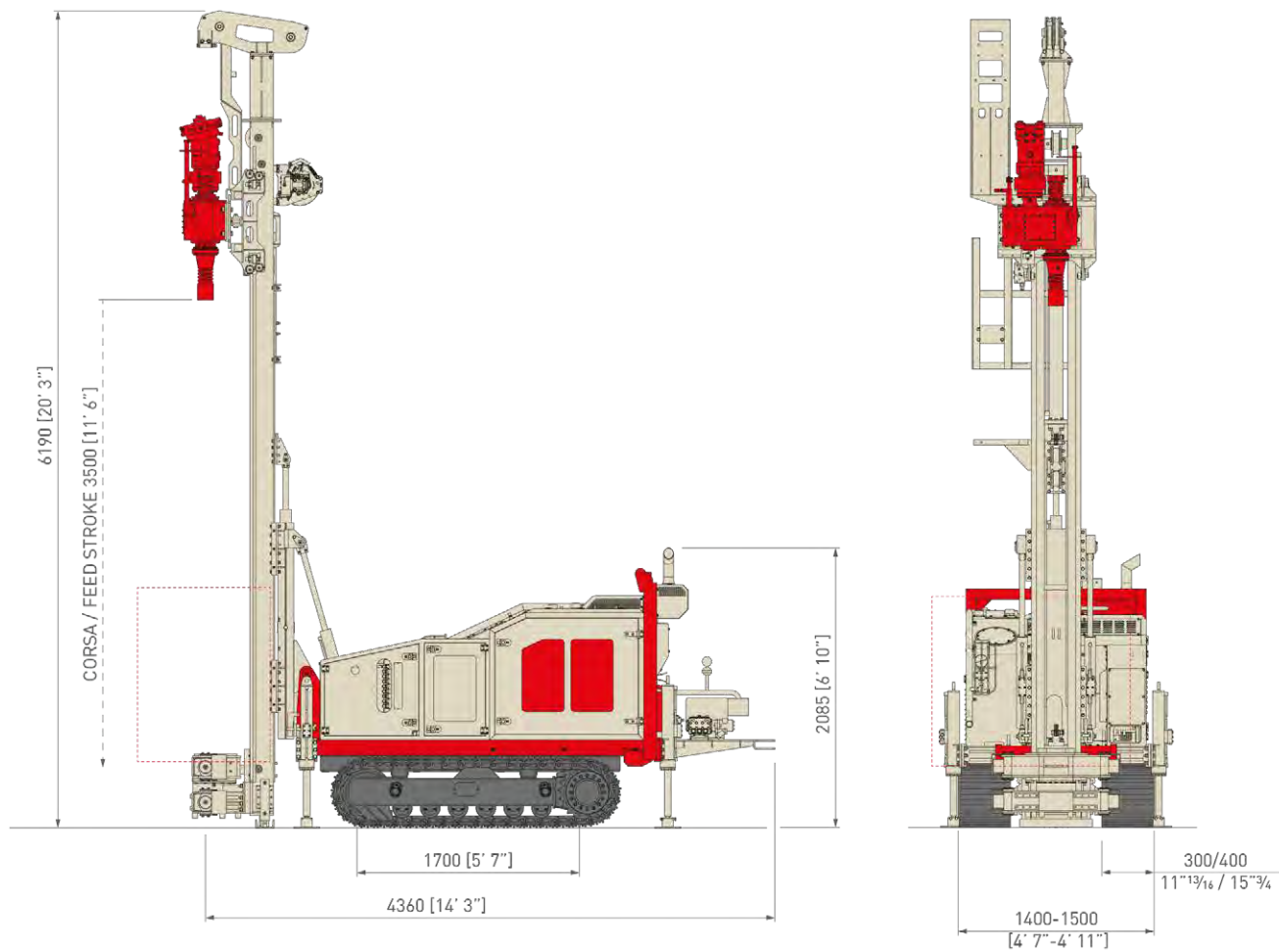


COMACCHIO

DRILLING HI-TECH

GEO 405

Allestimento Standard
Standard Set-Up

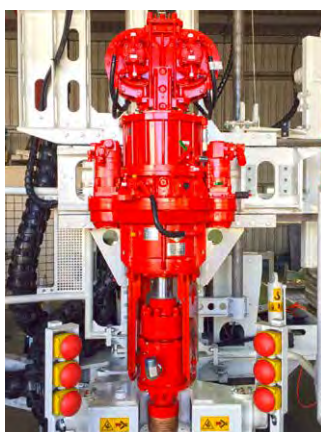


	m.s.	i.s.		
Potenza Motore Engine Power	kW	HP	74 - 55	99 - 74
Livello Emissioni Emission Level	-		Stage 3A / Tier 3 - Stage 5 / Tier 4 final (HT Line)	
Corsa Mast Mast Feed Stroke	mm	ft-in	2.500 - 3.500	8' 2" - 11' 6"
Forza di Spinta Feed Force	daN	lbs	4.500	10,116
Forza di Tiro Retract Force	daN	lbs	6.500	14,612
Coppia Rotary Max. Rotary Torque Range	daNm	lb*ft	243 - 1.550	1,793 - 11,432
Giri Rotary Max Rotary Speed Range		rpm	130 - 1.000	
Serraggio Morse Clamp Range	mm	in	45 - 325	1" 3/4 - 12" 13/16
Peso Weight	kg	lbs	5.800 - 7.000	12,700 - 15,400

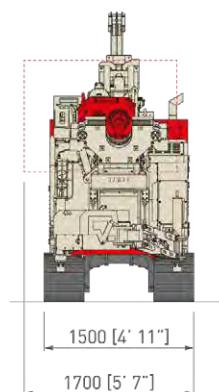
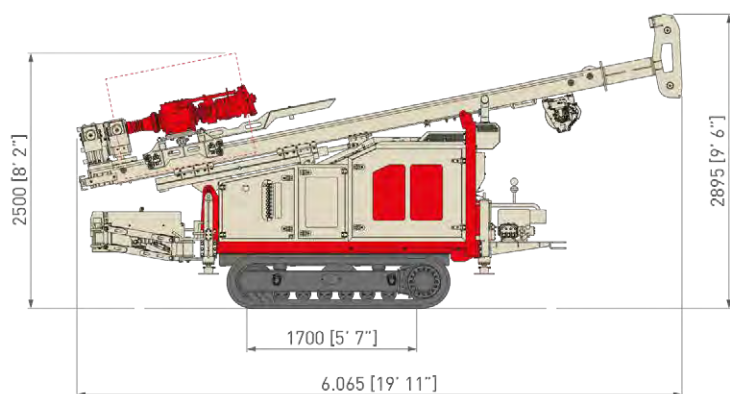
GEO 405

Opzioni & Accessori Options & Accessories

Sovrapattini in gomma per cingoli <i>Rubber shoes for steel tracks</i>	Pompa schiumogeno <i>Foam pump</i>	Morsa doppia <i>Double clamp</i>
Impianto martello <i>Setting for hydraulic hammer</i>	Testa Sonic <i>Sonic head</i>	Argano wireline <i>Wireline winch</i>
Martello idraulico <i>Hydraulic drifter</i>	Terza morsa <i>Triple clamp</i>	Radiocomando <i>Remote radio control</i>
Martinetti estrattori <i>Casing extractor cylinders</i>	Morsa mandrino <i>Rod holder chuck</i>	Saldatrice-generatore <i>Welder unit-generator</i>
Centratori idraulici <i>Hydraulic rod guiding device</i>	Argano <i>Winch</i>	Saracinesca aria-elettro-idraulica <i>Electro-hydraulic air gate valve</i>
Lubrificatore di linea <i>D.T.H. lubricator</i>	Serbatoio porta aste <i>Pipe rack</i>	Fari di lavoro <i>Work lights</i>
Verricello di traino <i>Towing winch</i>	Penetrometro per S.P.T. <i>S.P.T. Penetrometer</i>	Kit CE <i>CE Marking kit</i>
Pompa acqua-fanghi <i>Water-mud pump</i>	Kit lavaggio <i>Washing kit</i>	Sistema ComNect <i>ComNect System</i>



Dimensioni di Trasporto Transport Dimensions



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I dati tecnici sono indicativi e soggetti a modifiche senza preavviso. La scheda tecnica non riflette tutti i possibili allestimenti della macchina.
Specifications shown are only indicative and subjected to change without prior notice. This is a simplified data sheet that does not show all possible rig configurations.