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5 AX GRAD. 1	
	➔ TO ADJACENT SURFACE / EDGE
	'CROWNED' PLANTIN
	TO MARRY BACK IN V
	<b>ADJACENT SURFACIN</b>
THE THE	

TABLE 1. JUNGLE MULCH DEPTHS AS DETERMINED BY CRITICAL FALL HEIGHT (CFH)				
CFH (m)	No. LAYERS	RJM DEPTH (mm)	SBR DEPTH (mm)	SAFER SURFACING TOTAL BUILD-UP
1.3	1	40	0	40
1.7	2	30	25	55
2.3	2	30	50	80
2.8	2	30	90	120
3.1	2	30	110	140
N.B. CFH build-up based on information received from PlaySmart UK Ltd. on 13/04/2016 - exclusive suppliers				

LAYER	THICKNESS (mm) (after compaction)	MATERIAL NAME	MATERIAL CODE		
FOOTPATH CONSTRUCTION: EASTERN OPEN SPACE (EOS) PEDESTRIAN FOOTWAYS					
SURFACE COURSE	50	Footpath Gravel	Cedec Gold Footpath Gra		
UPPER FABRIC SEPARATOR		Non-woven Geotextile	Terram 1000		
LAYING COURSE	50	Angular Grit	2-6.3mm Angular Grit		

TABLE 2: SURFACING & KERB/EDGE DIMENSIONS & CONSTRUCTION BUILD UP

					edge restraint. Reason: to retain surface
LAYING COURSE	50	Angular Grit	2-6.3mm Angular Grit	2-6.3	Angular grit to BS EN 13242: 2002. Angu Section Q23, clause 130A.
FABRIC SEPARATOR		Non-woven Geotextile	Terram 1000		Refer to NBS Section, Q20, Clause 170A.
SUB BASE + MSL	150	Free Draining Granula Sub-base with Mechanically Stabilised Layer	Type 4/20 CGA	4-20	Coarse Graded Aggregate to BS EN 1324 Refer to NBS Section Q20, clause 215A. see Ancillary Items.
GROUND STABILISATION		Geogrid	Tensar TriAx TX 160		Refer to NBS Section Q20, Clause 170A. recommendations.
LOWER FABRIC SEPARATOR		Non-woven Geotextile	Terram 1000		Refer to NBS Section Q20, Clause 170A.
JUNGLE MULCH SAFE	R SURFACING:	CFH REQUIRING ONLY A SI	NGLE LAYER		
SURFACE COURSE	40	Recycled tyre buffing.	Shredded Rubber crumb surface		High grade, polyurethane bound, virgin & impurities such as steel, kevlar, polyes requirements. Depth to increase to form PlaySmart.
SUB BASE	150	Free Draining Granula Sub-base	Type 4/20 CGA	4-20	Coarse Graded Aggregate to BS EN 1324 Refer to NBS Section Q20, clause 215A.
GROUND STABILISATION		Geogrid	Tensar TriAx TX 160		Refer to NBS Section, Install as per ma
LOWER FABRIC SEPARATOR		Non-woven Geotextile	Terram 1000		Refer to NBS Section, Q20, Clause 170A.
JUNGLE MULCH SAFE	R SURFACING:	CFH REQUIRING A DUAL LA	YER		
SURFACE COURSE	30	Recycled tyre buffing.	Shredded Rubber crumb surface		High grade, polyurethane bound, virgin & impurities such as steel, kevlar, polyes requirements. Depth to increase to form PlaySmart.
BINDER COURSE	To CFH rqrmnts	Styrene Butadiene Rubber	SBR rubber crumb		Laid to depths compliant with BS EN 117
SUB BASE	150	Free Draining Granula Sub-base	Type 4/20 CGA	4-20	Coarse Graded Aggregate to BS EN 1324 Refer to NBS Section Q20, clause 215A.
GROUND STABILISATION		Geogrid	Tensar TriAx TX 160		Refer to NBS SectionNBS Section Q20, Cl recommendations.
LOWER FABRIC SEPARATOR		Non-woven Geotextile	Terram 1000		Refer to NBS Section Q20, Clause 170A.
EDGE RESTRAINT TO G	RAVELLED FO	OTPATH WITHIN OPEN SPA	ACE AREAS		
STEEL EDGING	2.5	Edge Restraint to EOS Path	100mm ProEdge BP1	N.A.	Galvanised steel edging. Colour: Brown. lengths. Jointing: as per manufacturers
REBAR 'PIN' SUPPORT	10 Ø	Edge Support for steel edging	10mm Ø Rebar, 600mm long	N.A.	Mild steel rebar 'pin'. Pin Centres: instal below edge top.
STEEL 'SLEEVE'	Proprietary	Edge 'sleeve' for steel edging	Proprietary Product	N.A.	Proprietary 'sleeve' connector fitted to P 'pin' is afixed. Supply and fit as per 'pin'
ANCILLARY ITEMS: FO	R GROUND IN	IPROVEMENT / REMEDIATI	ON, CAPPING, SOFTSPC	DTS, DRAINAG	E, WORK WITHIN TREE ROOT RP
CAPPING	ТВС	ТВС	ТВС	ТВС	Capping may be required to make good Section Q20.
SUB-BASE IMPROVEMENT	N.A.	Mechanically Stabilised layers (M.S.L.)	Geocell 25/15	N.A.	Terram Cellular confinement system (Ge to NBS Section Q20, clause 170A.
WORK WITHIN TREE RPA	твс	Mechanically Stabilised Layers	M.S.L.	N.A.	No Dig/reduced dig: Type 4/20 Coarse G confinement system and/or a Tensar Tri gaseous exchange / root zone aeration.

COMMENTS

NOMINAL SIZE OF

GGREGATE (mm)

NOT REQUIRING SEALED SURFACES Refer to NBS Section Q23, Clause 130A. Above G.L. construction & installed over for drainage purposes. Refer to NBS Section, Q20, Clause 170A. Fold up & terminate 10mm below top of nt. Reason: to retain surface course. to BS EN 13242: 2002. Angular for good frictional interlock. Refer to NBS clause 130A. Section, Q20, Clause 170A.

led Aggregate to BS EN 13242: 2002. Angular for good frictional interlock. S Section Q20, clause 215A. Requires Mechanically Stabilised layer (MSL) Section Q20, Clause 170A. Install as per manufacturer's itions.

polyurethane bound, virgin rubber crumb safer surfacing, free from fin such as steel, kevlar, polyester, fabrics, etc. Laid to BS EN 1177 Depth to increase to form edge as shown. Supply & install by

ed Aggregate to BS EN 13242: 2002. Angular for good frictional interlock Section Q20, clause 215A. Section, ... Install as per manufacturer's recommendations. Section, Q20, Clause 170A.

polyurethane bound, virgin rubber crumb safer surfacing, free from fines such as steel, kevlar, polyester, fabrics, etc. Laid to BS EN 1177 ts. Depth to increase to form edge as shown. Supply & install by s compliant with BS EN 1177 fall space requirements.

ed Aggregate to BS EN 13242: 2002. Angular for good frictional interloc Section Q20, clause 215A. SectionNBS Section Q20, Clause 170A. Install as per manufacturer's ations. S Section Q20, Clause 170A.

eel edging. Colour: Brown. 2.5mm thick x 100mm depth in 2.5m ing: as per manufacturers instruction. ar 'pin'. Pin Centres: install at every fourth ProEdge 'Spike' & set 50mm sleeve' connector fitted to ProEdge 'spike' through which the steel rebar . Supply and fit as per 'pin' centres [above]. ITHIN TREE ROOT RPA, ETC. be required to make good soft spots, raise levels etc. Refer to NBS

lar confinement system (Geocell 250mm cell Ø x 150mm depth). Refer on Q20, clause 170A. ed dig: Type 4/20 Coarse Graded Aggregate (CGA), w/t a cellular t system and/or a Tensar Triax Geogrid, + fabric separators to promote hange / root zone aeration.

## **GENERAL NOTES**

- JUNGLE MULCH TO BE SUPPLIED AND INSTALLED BY PLAYSMART UK. LTD. CONTRACTOR TO CONFIRM CRITICAL FALL HEIGHT (AND THEREFORE SUBGRADE FORMATION
- LEVEL & INSTALLATION DEPTHS) WITH PLAY EQUIPMENT & SAFER SURFACING MANUFACTURER PRIOR TO WORK COMMENCING ONSITE. CONTRACT ADMINISTRATOR TO BE NOTIFIED OF ANY DISCREPANCIES & INSTRUCTION SOUGHT
- IN SO FAR AS MUCH AS IS POSSIBLE, SMOOTH FLOWING LINES TO BE ACHIEVED ALONG ALL SURFACE TYPES & EDGES. JOINING OF STEEL EDGING: AVOID THE CREATION OF FINGER TRAPS.
- DAMAGE TO STEEL EDGING / CREATION OF SHARP EDGES: AVOID. CREATION OF TRIP HAZARDS: AVOID. REBAR TO BE INSTALLED TO SPECIFIED DEPTH BELOW METAL
- EDGE. FORMATION OF GRAVEL FOOTPATH CAMBER: USE ADDITIONAL CGA ABOVE MSL. ROLL &
- COMPACT AS PER MANUFACTURERS RECOMMENDATIONS. USE OF GEOTEXTILE FABRIC SEPARATORS: REQUIRED TO PREVENT MIGRATION OF FINES INTO
- BASE LAYERS (FROM SURFACE COURSE & GROUND BELOW). DO NOT OMIT. 9. ALL SOIL DEPTHS / LEVELS / PROFILES ARE POST SETTLEMENT. CONTRACTOR TO ALLOW FOR ADDITIONAL TOPPING UP AS REQUIRED.
- 10. BATTER BACK DOWN TO EXISTING FROM PATH EDGE: IN CIRCUMSTANCES WHERE A 1 IN 50 BATTER CANNOT BE REALISED; ACHIEVE SUITABLE BATTER & SMOOTH FLOWING CONTOURS AS PER TABLE. THEREAFTER SEEK INSTRUCTION.

### TABLE 3. FOOTPATH TOPSOIL BATTERS

GRADIENT TO BE ACHIEVED	EDGE DATUM ABOVE EXISTING G.L. (mm)	DISTANCE FROM EDGE OF PATH (mm)
1 in 50*	30	1500
1 in 45	30	1350
1 in 40	30	1200
1 in 30	30	900
1 in 25	30	750
1 in 20	30	600
1 in 12	30	360
1 in 8	30	240
* Preferred		

### Notes

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT. ALL RIGHTS RESERVED 2017 LICENCE NUMBER 0100031). This drawing is for Planning purposes only - Do not use this drawing for Construction. The information contained in the drawing should be used as a guide to the final forms and finishes of the landscape scheme. Any revisions to be approved by the Client and Local Authority

Scaling: Do not scale this drawing. Use given dimensions only.

Setting out: refer to Engineers for information regarding setting out. In the event of discrepancy refer to Engineers in the first instance.

Services: Where possible these are identified on the drawings but, for the avoidance of doubt all service/utility locations should be considered indicativ until identified on site. To ensure those services / utilities shown are current refer to the original survey provider or utilities designer or Client for confirmation and further information regarding easements. In the event of new services being installed refer to the appointed Engineer.

Lighting: Refer to lighting engineers drawings.

Planting: Plant species are selected and located in line with consideration of the site conditions, NHBC guidelines and discussions with the Local Authority and design team. All plants and planting procedure to conform to the David Jarvis Associates Limited Landscape Specification that will accompany the Construction issue drawings. No species or plant location is to be varied without prior consent of the Landscape Architect.

Design Levels: Refer to Engineers where design levels are not shown.

CDM: Drawings to be read in conjunction with Designers risk assessment. Potential risks above that of those associated with the general construction typical to the drawing are identified below;

Drawing Revision				
ev.	Date	Description		
C0	15/11/2017	First Issue.		

DRN CKD MS BS

# PLANNING

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Client

Status

# ELMSBROOK (CREST A2D) LLP

Project

**ELMSBROOK, BICESTER PHASES 3 & 4** 

## Drawing Title **OPEN SPACE SURFACE TREATMENT** DETAILS

Scale	Sheet Size	Date	
1:20	A1	15	/11/2017
Drawing No.			Revision
14790/5603 P1			