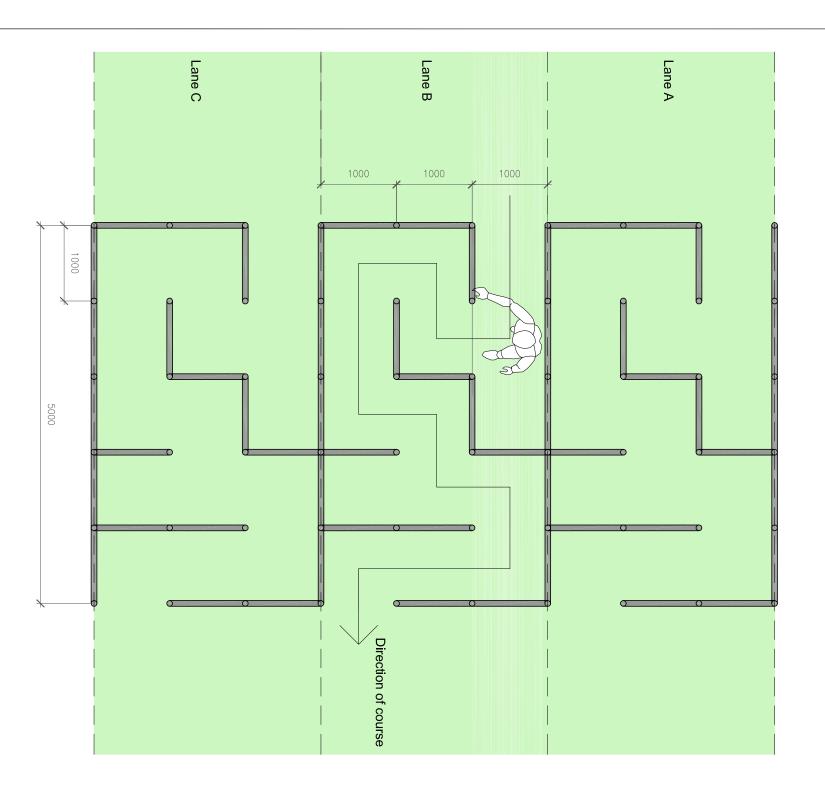
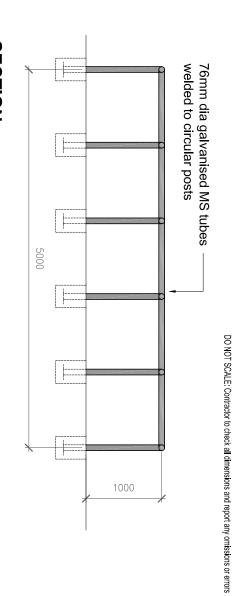
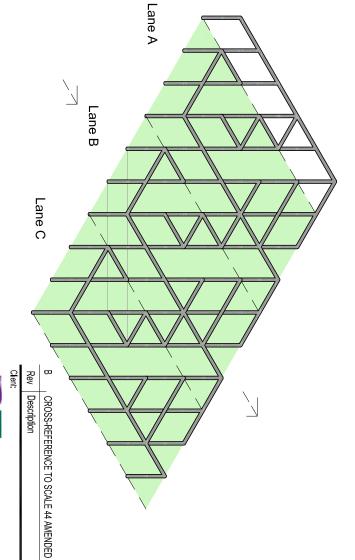
# SUGGESTED LAYOUT OF MAZE (3 LANES)







### SECTION



## SOMETRIC VIEW

Not to Scale



DEFENCE ESTATES



LW ACR ACR JUNE'07 By Chk App Date

Avalon Way Executive Park

Tel: 0116 234 8000 Fax: 0116 234 8002 e-mail: enviro.leicester@wyg.com

Green

Environmental

Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management

NOTES:

Checked By Date
SPP 01/08/06 Approved By

ACR

THE SIZES AND DIAMETERS OF OBSTACLE COMPARTMENTS INDICATED ON THIS DRAWING ARE NECESSARY TO MEET THE USER'S OPERATIONAL TRAINING REQUIREMENTS AND ARE NOT INTENDED TO INDICATE STRUCTURAL DESIGN REQUIREMENTS.

THIS DRAWING IS TO BE READ IN ACCORDANCE WITH THE GENERAL DESIGN GUIDANCE NOTES INDICATED ON E008949/DE/AB01

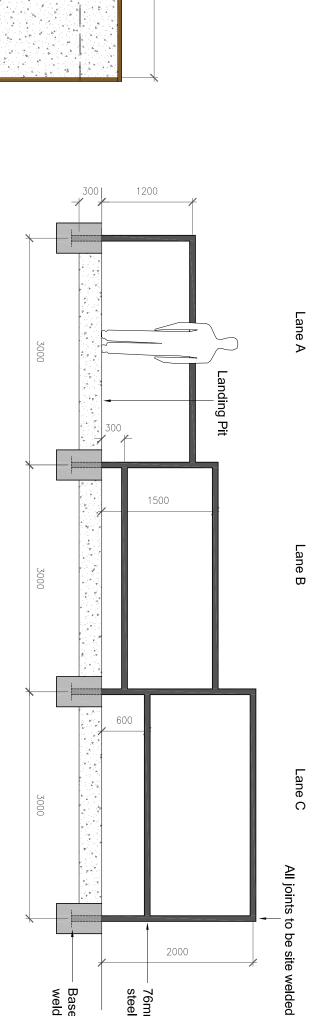
THE SPECIALIST CONTRACTOR/MANUFACTURER IS FULLY RESPONSIBLE FOR THE STRUCTURAL DESIGN, STABILITY AND DETAILING OF EACH OBSTACLE PROVIDED TO SUIT THE PARTICULAR REQUIREMENTS OF THE SITE.

**OBSTACLE COURSE DRAWINGS** 

**OBSTACLE B9 - MAZE** (JSP 315 SCALE 44, ANNEX B, SERIAL 9) COURSE TYPE B

Project No. E008949 Scale at A3 1:50 APPROVAL | INFORMATION | office 35 <sup>Туре</sup> 04 TENDER Drawing No. E8949/DE/B9 CONTRACT | CONSTRUCTION | Date 01/08/06
Revision





2000

3000

Concrete footings

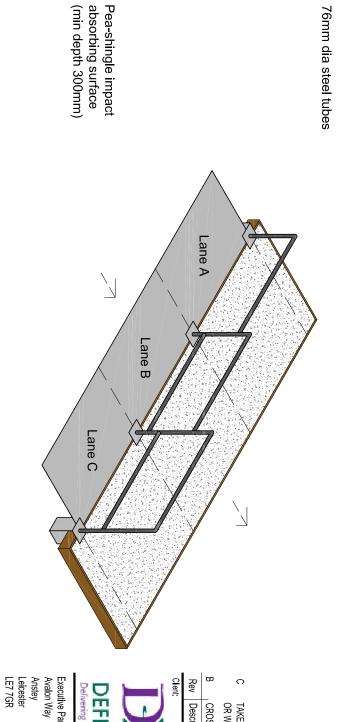
500

# SECTION (FACING DIRECTION OF COURSE)

Base plate welded to tubes

76mm dia steel tubes

Lane A



Lane B

Direction of course

### Not to Scale ISOMETRIC VIEW

Lane C

THIS DRAWING IS TO BE READ IN ACCORDANCE WITH THE GENERAL DESIGN GUIDANCE NOTES INDICATED ON E8949/DE/AB01

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PLAN

Astroturf or wet pour rubber surfacing take-off area

Timber retaining board

TAKE OFF AREAS CHANGED TO ASTROTURF OR WETPOUR RUBBER SURFACING

Rev Description CROSS-REFERENCE TO SCALE 44 AMENDED M By Chk App Date ACR ACR JUNE'07

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Executive Park DEFENCE ESTATES



Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management Environmental

# **OBSTACLE COURSE DRAWINGS**

COURSE TYPE B	(JSP 315 SCALE 44, ANNEX B, SERIAL 1)	OBSTACLE B1 - VAULT	Drawing Title:

Project No. E008949 APPROVAL | INFORMATION | 
 Date /right
 Checked By Date /right
 Approved By ACR
 Date /right

 14/09/06
 SPP 14/09/06
 ACR 15/09/06

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(C) White Young Green Consulting Ltd.

NOTES

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9000

### 2100 2500 3000 Concrete footing

Rounded edges to all concrete capping (215 x 150)

Landing Pit

Concrete footing

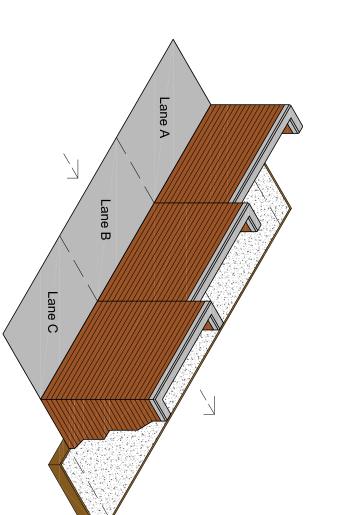
# **ELEVATION (FACING DIRECTION OF COURSE)**

Lane A

Lane B

Lane C

SECTION



# ISOMETRIC VIEW

Lane C

Pea-shingle impact absorbing surface (min depth 300mm)

3000

Lane B

3000

Direction of course

Lane A

3000

Concrete footing

2000

3665 3000

### Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management Avalon Way C Environmental Executive Park Rev Description DEFENCE ESTATES TAKE OFF AREAS CHANGED TO ASTROTURF OR WETPOUR RUBBER SURFACING

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Date

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# **OBSTACLE COURSE DRAWINGS**

THE SPECIALIST CONTRACTOR/MANUFACTURER IS FULLY RESPONSIBLE FOR THE STRUCTURAL DESIGN, STABILITY AND DETAILING OF EACH OBSTACLE PROVIDED TO SUIT THE PARTICULAR REQUIREMENTS OF THE SITE.

G and
OBSTACLE B2 - WALL (HIGHER HEIGHTS)
(JSP 315 SCALE 44, ANNEX B, SERIAL 2)
COURSE TYPE B

Project No. E008949 1:100 S S 2<sup>Type</sup> Checked By SPP Drawing No. E8949/DE/B2 Date 14/09/06 Approved By

ACR Revision Date 15/09/06

APPROVAL INFORMATION X TENDER CONTRACT [ CONSTRUCTION [] PLAN

surfacing take-off area

wet pour rubber

Astroturf or

1500

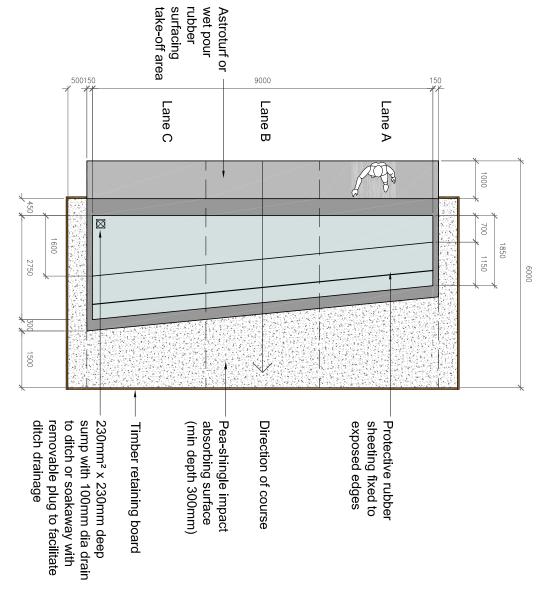
Timber retaining board

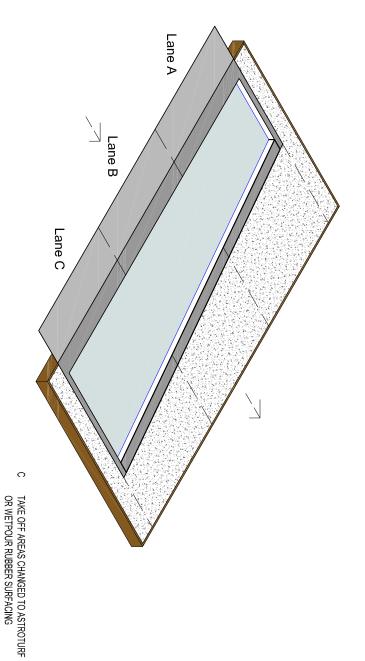
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### C.I. overflow 100mm dia Water level Concrete reinforced with mesh sheeting fixed to exposed edges Landing Pit Protective rubber

### SECTION





## ISOMETRIC VIEW

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Fax: 0116 234 8002 e-mail: enviro.leicester@wyg.com

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**OBSTACLE COURSE DRAWINGS** 

(JSP 315 SCALE 44, ANNEX B, SERIAL 3) **OBSTACLE B3 - WATER DITCH** COURSE TYPE B

Project No. E008949 Scale at A3 1.100 35 Office **2** Checked By SPP Drawing No. **E8949/DE/B3** Date 14/09/06 Approved By

ACR Date 15/09/06

\PPROVAL | INFORMATION X TENDER CONTRACT [ CONSTRUCTION []

PLAN

NOTES

THIS DRAWING IS TO BE READ IN ACCORDANCE WITH THE GENERAL DESIGN GUIDANCE NOTES INDICATED ON E8949/DE/AB01

THE SIZES AND DIAMETERS OF OBSTACLE COMPARTMENTS INDICATED ON THIS DRAWING ARE NECESSARY TO MEET THE USER'S OPERATIONAL TRAINING REQUIREMENTS AND ARE NOT INTENDED TO INDICATE STRUCTURAL DESIGN REQUIREMENTS.

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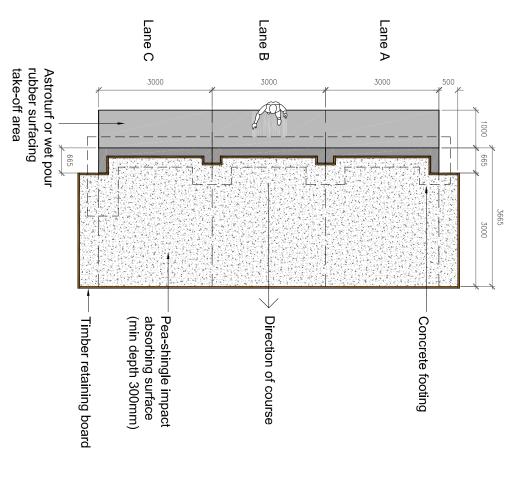
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Rounded edges to all concrete capping (215 x 150)

2100

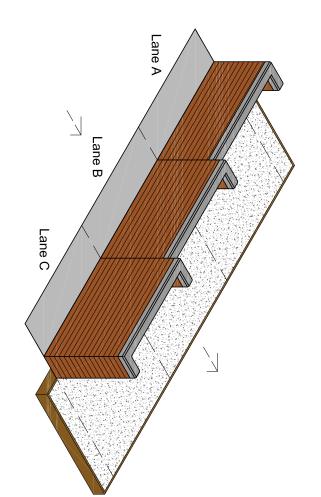
### Concrete footing Rounded edges to all concrete capping $(215 \times 150)$ Landing Pit

### SECTION



### 1500 Lane A Lane B Lane C Concrete footing

# **ELEVATION (FACING DIRECTION OF COURSE)**



C

TAKE OFF AREAS CHANGED TO ASTROTURF OR WETPOUR RUBBER SURFACING

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# ISOMETRIC VIEW

PLAN

### Avalon Way Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management Environmental Executive Park Tel: 0116 234 8000 Fax: 0116 234 8002 e-mail: enviro leicester@wyg.com White Young Green

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# **OBSTACLE COURSE DRAWINGS**

**OBSTACLE B4 - WALL (LOWER HEIGHTS)** (JSP 315 SCALE 44, ANNEX B, SERIAL 4) COURSE TYPE B

Project No. E008949 Scale at A3 1.100 ္တ **2** Checked By
SPP Drawing No. **E8949/DE/B4** Date 14/09/06 Approved By

ACR Revision Date 15/09/06

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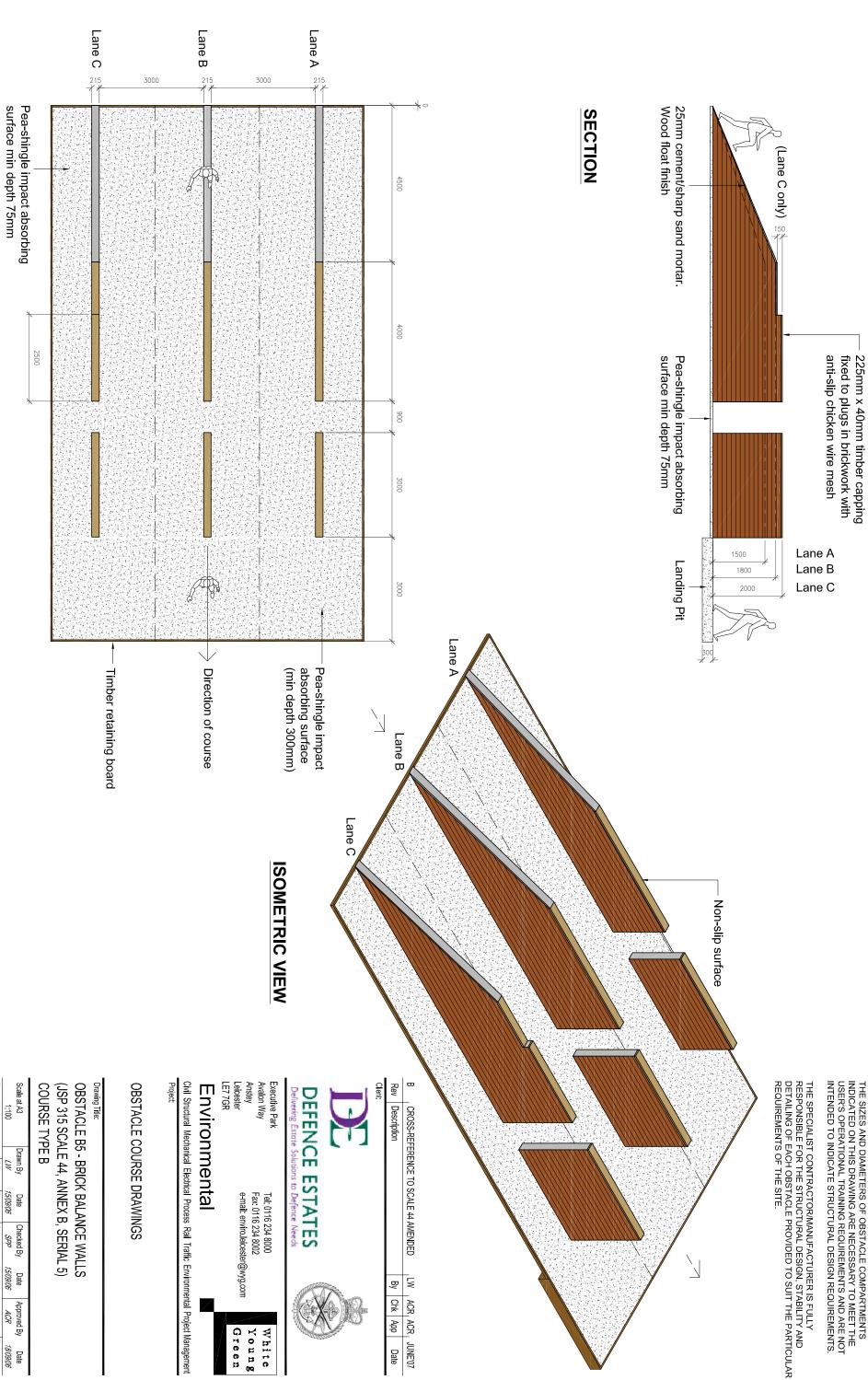
CONTRACT

CONSTRUCTION []



THIS DRAWING IS TO BE READ IN ACCORDANCE WITH THE GENERAL DESIGN GUIDANCE NOTES INDICATED ON E8949/DE/AB01

THE SIZES AND DIAMETERS OF OBSTACLE COMPARTMENTS INDICATED ON THIS DRAWING ARE NECESSARY TO MEET THE USER'S OPERATIONAL TRAINING REQUIREMENTS AND ARE NOT INTENDED TO INDICATE STRUCTURAL DESIGN REQUIREMENTS.



Project No. E008949

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Drawing No. **E8949/DE/B5** 

Revision Date 18/09/06

1.100

Checked By SPP

Date 15/09/06

APPROVAL |

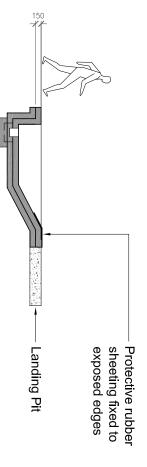
INFORMATION X

TENDER

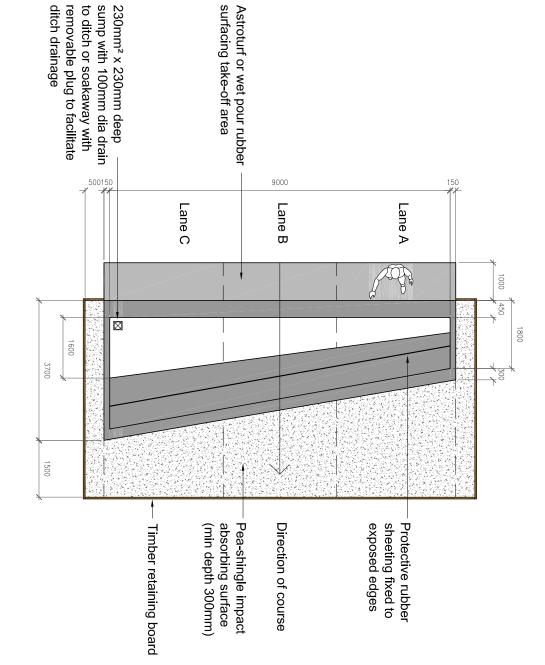
CONTRACT [

CONSTRUCTION [

PLAN



### **SECTION**



PLAN

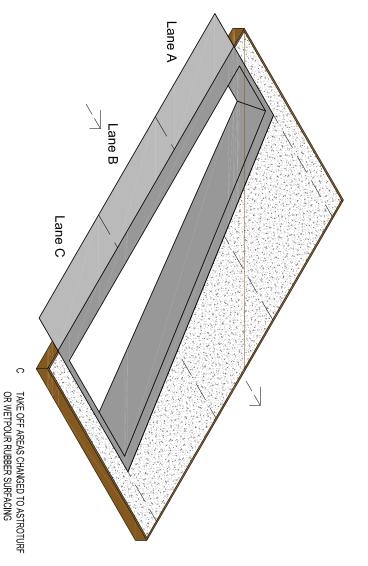
DO NOT SCALE. Contractor to check all dimensions and report any omissions or errors

NOTES

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# **OBSTACLE COURSE DRAWINGS**

**OBSTACLE B6 - DRY DITCH** 

(JSP 315 SCALE 44, ANNEX B, SERIAL 6) COURSE TYPE B

Project No. E008949 Scale at A3 1.100 ္တ 94 1 Checked By SPP E8949/DE/B6 Date 20/09/06 Approved By

ACR Date 21/09/06

\PPROVAL |

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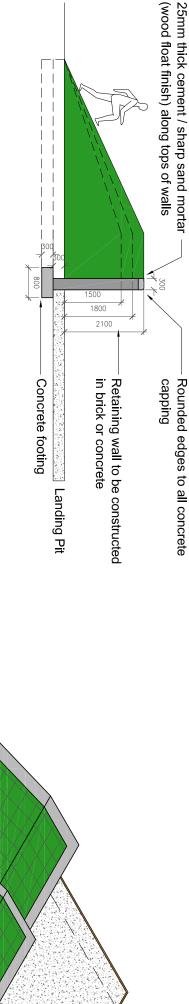


NOTES

THIS DRAWING IS TO BE READ IN ACCORDANCE WITH THE GENERAL DESIGN GUIDANCE NOTES INDICATED ON E8949/DE/AB01

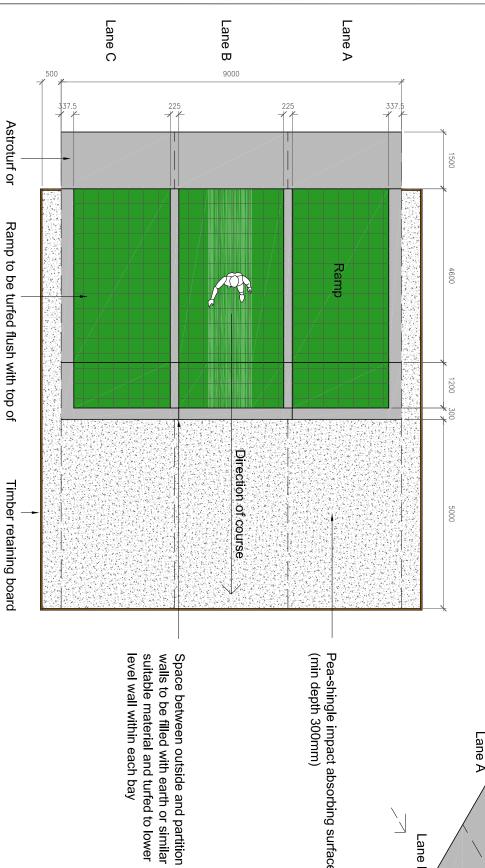
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Rounded edges to all concrete

### **SECTION**



Pea-shingle impact absorbing surface (min depth 300mm)

**ISOMETRIC VIEW** 

Lane A

Lane B

Lane C

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CROSS-REFERENCE TO SCALE 44 AMENDED

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TAKE OFF AREAS CHANGED TO ASTROTURF OR WETPOUR RUBBER SURFACING

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Leicester LE7 7GR Avalon Way Executive Park Tel: 0116 234 8000 Fax: 0116 234 8002 e-mail: enviro leicester@wyg.com

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# **OBSTACLE COURSE DRAWINGS**

**OBSTACLE B7 - RAMP** 

(JSP 315 SCALE 44, ANNEX B, SERIAL 7)

wet pour rubber surfacing take-off area

retaining walls on 150mm min. topsoil using grass reinforcement system

PLAN

COURSE TYPE B

Scale at A3

1.100

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Checked By SPP

Date 21/09/06

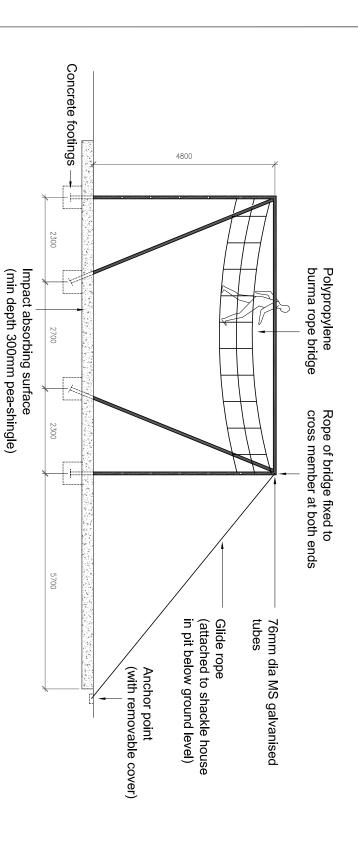
Approved By

ACR

Date

Project No. E008949 35 Office 94 1 E8949/DE/B7

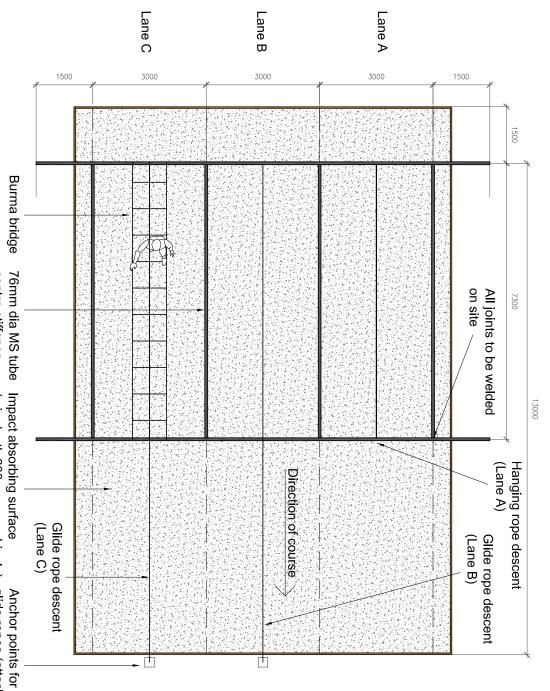
APPROVAL | INFORMATION X TENDER CONTRACT [ CONSTRUCTION [

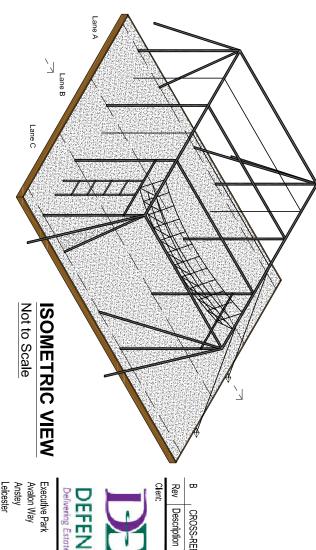


### **|==** Lane A **|==** Lane B 9000 F== Lane C 760 48mm dia MS tubes coated in non slip paint welded to posts as ladder rungs 760 760 760 760 760 footings Concrete

# **ELEVATION FACING DIRECTION** OF COURSE

SECTION





CROSS-REFERENCE TO SCALE 44 AMENDED

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NOTES

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BURMA ROPE BRIDGE - VERTICAL STRANDS
THE GAP BETWEEN UPRIGHTS MUST BE WITHIN A MINIMUM OF 650MM AND A MAXII

BURMA ROPE BRIDGE - ROPE TENSIONERS

DO NOT FIT TENSIONERS. ROPES TO BE FITTED DIRECTLY ONTO THE SUPPORT FRAME.

Impact absorbing surface Anchor points for descent (min depth 300mm pea-shingle) glide ropes (attached to shackle house in pit) SECURING THE BURMA ROPE BRIDGE
THE TOP AND BOTTOM ROPES ARE TO BE SECURED DIRECT TO THE MAIN FRAME VIA
THE THIMBLE EYES AND TO A BOTTLE SCREW TO D OR BOW (PREFERRED) GALVANISED
STEEL OR ALLOY SHACKLES.
NB. IF INTRODUCED, THE TOP AND BOTTOM ROPES AND GUIDE RAIL WILL NEED TO BE
SHORTENED.

PLAN

Burma bridge

centre stiffener

Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management Environmental

# **OBSTACLE COURSE DRAWINGS**

**OBSTACLE B8 - COMBINATION CLIMBING ROPES** (JSP 315 SCALE 44, ANNEX B, SERIAL 8)

Scale at A3 1.100 94 1 Checked By SPP E8949/DE/B8 Date 22/09/06 Approved By

ACR Revision Date

Project No. E008949 APPROVAL INFORMATION X 135 Office TENDER CONTRACT [ CONSTRUCTION [

MUM COURSE TYPE B

THESE DRAWINGS RELATE TO THE PROVISION OF BASIC OBSTACLES AS DEFINED IN JSP 315 SCALE OF ACCOMMODATION No. 44 FOR USE ON THE FOLLOWING TYPES OF OBSTACLE COURSE:-

### COURSE TYPE A

(FOR USE BY TRAINED SERVICE PERSONNEL IN UNITS)

IN DIFFICULTY BETWEEN LANES. ALL OBSTACLES TO BE SUITABLE FOR 3 LANE USE WITH NO VARIATION

MAXIMUM OF NUMBER OF OBSTACLES USED RANGES FROM A MINIMUM OF 14 TO

# LIST OF DE DESIGN DRAWINGS (A1- A18):-

E89/9/DE/AB01	GENERAL DESIGN GLIDANCE NOTES	IDANCE NOTES
E8949/DE/A	SCHEMATIC LAYOUT	SCHEMATIC LAYOUT - COURSE TYPE A (UNIT)
E8949/DE/A1	OBSTACLE A1	- STEPS
E8949/DE/A2	OBSTACLE A2	- DOUBLE DITCH
E8949/DE/A3	OBSTACLE A3	- CRAWL
E8949/DE/A4	OBSTACLE A4	- SINGLE WALL (LOW)
E8949/DE/A5	OBSTACLE A5	- DRY DITCH
E8949/DE/A6	OBSTACLE A6	- RAMP
E8949/DE/A7	OBSTACLE A7	- SWING OVER DITCH
E8949/DE/A8	OBSTACLE A8	- SINGLE WALL (HIGH)
E8949/DE/A9	OBSTACLE A9	- DOUBLE WALL (OBUA)
E8949/DE/A10	OBSTACLE A10	- BEAM BALANCE
E8949/DE/A11	OBSTACLE A11	- TREBLE STRIDE DITCH
E8949/DE/A12	OBSTACLE A12	- OVERHAND TRAVERSE
E8949/DE/A13	OBSTACLE A13	- STEPPING STONES
E8949/DE/A14	OBSTACLE A14	- SCRAMBLE NET
E8949/DE/A15	OBSTACLE A15	- TUBE CRAWL
E8949/DE/A16	OBSTACLE A16	- BURMA BRIDGE
E8949/DE/A17	OBSTACLE A17	- SWINGING DUCKBOARDS
E8949/DE/A18	OBSTACLE A18	- CLIMBING ROPES

COURSE TYPE B (FOR USE BY TRAINEES AND RECRUITS).

ALL OBSTACLES TO BE SUITABLE FOR 3 LANE USE WITH VARIATION IN DIFFICULTY PROVIDED BETWEEN LANES, ALTHOUGH OBSTACLES WITHOUT VARIATIONS MAY BE USED.

NUMBERS OF OBSTACLES MAY VARY BUT IS USUALLY 9.

# LIST OF DE DESIGN DRAWINGS (B1-B9):-

E8949/DE/B8 E8949/DE/B9	E8949/DE/B6 E8949/DE/B7	E8949/DE/B5	E8949/DE/B4	E8949/DE/B3	E8949/DE/B2	E8949/DE/B1	E8949/DE/B	E8949/DE/AB01
OBSTACLE B8 OBSTACLE B9	OBSTACLE B6 OBSTACLE B7	OBSTACLE B5	OBSTACLE B4	OBSTACLE B3	OBSTACLE B2	OBSTACLE B1	SCHEMATIC LAYOUT	GENERAL DESIGN GUIDANCE NOTES
- COMBINATION CLIMBING ROPES - MAZE	- DRY DITCH (VARYING WIDTHS) - RAMP (VARYING HEIGHTS)	- BALANCE WALLS (VARYING HEIGHTS)	- WALL (VARYING HEIGHTS-LOW)	- WAIER DIICH (VARYING WIDTHS)	- WALL (VARYING HEIGHTS-HIGH)	- VAULT (VARYING HEIGHTS)	SCHEMATIC LAYOUT - COURSE TYPE B (TRAINEES)	UIDANCE NOTES

NB. THE JSP SCALE DOES NOT COVER THE PROVISION OF OBSTACLES FOR CONFIDENCE BUILDING OR SPECIALIST COURSES.

THE SCHEMATIC LAYOUT DRAWINGS FOR TYPE A AND B COURSES ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT TO BE REGARDED AS STANDARD LAYOUTS.

# SITING AND LAYOUT OF COURSES

WHERE POSSIBLE, THE LAYOUT OF COURSES SHOULD BE DESIGNED AROUND EXISTING SITE FEATURES USING STREAMS, SITE CONTOURS AND FEATURES TO CREATE ADDITIONAL INTEREST. COURSES DO NOT NEED TO BE IN A STRAIGHT LINE.

OF THE UNIT CONCERNED THE SEQUENCE AND SPACING OF OBSTACLES IS TO BE SELECTED TO SUIT THE SITE, SAFETY AND THE INDIVIDUAL TRAINING REQUIREMENTS

THE DISTANCES BETWEEN OBSTACLES SHOULD BE A MINIMUM OF 5 METRES AND A MAXIMUM OF 10 METRES.

NB. OBSTACLE IS INCLUSIVE OF LANDING AREA.

ADVICE ON THE LAYOUT OF OBSTACLE COURSES SHOULD BE SOUGHT FROM THE APPROPRIATE SERVICE PHYSICAL DEVELOPMENT DIRECTORATE / FORMATION HEADQUARTERS SO2 PAT AT AN EARLY

### HEALTH AND SAFETY

ALL MAIN LANDING PIT AREAS ARE TO BE FILLED WITH IMPACT ABSORBING MATERIAL TO A DEPTH OF 300mm USING 12mm PEA

ALL SECONDARY LANDING AREAS UNDER AND AROUND OBSTACLES AND ANY UNTURFED SECTIONS OF THE COURSE ARE TO BE COVERED IN A MINIMUM OF 75mm DEEP PEA SHINGLE OR BARK CHIPPINGS AS

ALL EXPOSED CONCRETE AND LEADING EDGES ON OBSTACLES ARE TO BE COVERED IN PROTECTIVE RUBBER SHEETING AS INDICATED ON THE DRAWINGS.

TO HAVE AN DRAWINGS. THE TOP SURFACES OF ALL PLANKS, TIMBER CAPPINGS AND LOGS ARE TO HAVE ANTI-SLIP FINISHES APPLIED AS INDICATED ON THE

ALL CONCRETE CAPPINGS TO WALLS TO HAVE SMOOTH ROUNDED EDGES.

WARNING SIGNS ARE TO BE DISPLAYED AT STRATEGIC POINTS AROUND OBSTACLE COURSES INDICATING THAT ONLY PERSONNEL UNDER INSTRUCTION ARE ALLOWED TO USE THE OBSTACLES. THE AUTHORISED DESIGN CAN BE OBTAINED FROM OC TAS (CE), HQ INF

THE INFORMATION GIVEN IN THESE DESIGN DRAWINGS IS OF A GENERAL NATURE. WHEN THESE OBSTACLE DESIGNS ARE USED, CONSIDERATION MUST BE GIVEN TO THE SPECIFIC SITE CIRCUMSTANCES WHICH APPLY AT THE TIME, AND ANY OTHER INFORMATION, THAT WILL HAVE AN EFFECT ON ANY OTHER PERSONS' HEALTH AND SAFETY DURING THE CONSTRUCTION AND USE OF AN OBSTACLE COURSE.

# OBSTACLE DESIGN REQUIREMENTS

### BRICKWORK

ALL BRICKWORK TO BE CLASS B ENGINEERING QUALITY WITH REINFORCEMENT TO JOINTS AS NECESSARY.

ALL TIMBER IS TO BE PRESSURE IMPREGNATED WITH PRESERVATIVE.

ALL EXPOSED MS STEEL TUBES ARE TO BE GALVANISED. ALL JOINTS ARE TO BE SITE WELDED AND TREATED WITH GALVANISING PAINT. ALL CUT ENDS ARE TO BE FITTED WITH PLASTIC CAPS.

EML SHOULD BE LAID SO THAT THE LOZENGE THE DIRECTION OF TRAVEL AND 40mm ACROS 'HE LOZENGE IS 40mm ACROSS 15mm LENGTH ALONG THE DIRECTION.

### TAKE-OFF AREAS

EG. ASTF APPROACHES TO OBSTACLES SHOULD BE OF A FIRM SUBSTANCE WHICH ALLOWS SURE-FOOTED TRACTION TO ENABLE ACCELERATION EG. ASTRO-TURF, WET POUR RUBBER SURFACING. NB. NOT LOOSE FILLING SUCH AS PEA SHINGLE.

LANDING PITS
ALL PITS, EXCEPT WATER JUMPS ARE TO BE DRAINED TO A SUITABLE POINT OF DISCHARGE.

WATER JUMPS MUST BE ABLE TO BE DRAINED

ROPES / NETS
ALL CORDAGE, NETS AND ROPES ARE TO BE POLYPROPYLENE OR OTHER SUITABLE SYNTHETIC MATERIAL AND ARE TO BE SUPPLIED THE SPECIALIST MANUFACTURER AS PART OF THE OBSTACLES. ĒΥ

### SCRAMBLE NETS

ROPES (PERIMETER AND MESH) SHOULD BE 3-STRAND, STAPLE SPUN WITH A DIAMETER OF 24MM, MAY BE NATURAL (MANILA GRADE 1 PREFERRED) OR SYNTHETIC (POLYPROPYLENE) AND MUST CONFORM TO BS EN 698 (FOR MANILA ROPES) OR BS EN 699 (FOR POLYPROPYLENE ROPES) OR AN ALTERNATIVE APPROVED BY DC IPT

ROPE ENDS: ROPE ENDS S CHAPTER 3. SHOULD 먪 SPLICED ž ACCORDANCE

SECURING ROPE SV THE ROPE SWING IS BOW (PREFERRED)

SWINGS:
3 IS TO BE ATTACHED TO THE MAIN FRAME VIA D
D) GALVANISED STEEL OR ALLOY SHACKLES.

PREVENT DISTORT NET DISTORTION: 의 원 문 225MM SQUARE KNOTTED AND SPLICED TO

DO NOT SCALE: Contractor to check all dimensions and report any omissions or errors

LASHING:
NETS ARE TO BE LASHED DIRECTLY TO THE MAIN FRAME USING
16MM-20MM NATURAL OR SYNTHETIC ROPE. EXCEPTIONALLY, NYLOI
TEXTILE, 2 PLY, OLIVE DRAB/BLACK, 50MM WIDE WEBBING MAY BE

WEBBING BUCKLES:
WHERE WEBBING IS USED, IT IS TO BE SECURED USING BUCKLES
ACETAL, G1, BLACK 902 MANUFACTURED BY ITW NEXUS LTD,
KINGSWICK HOUSE, SUNNINGHILL, BERKS SL5 7BH OR SUITABLE ALTERNATIVE APPROVED BY DC BUCKLES SL50,

STITCHING: WHERE WEBBING IS USED, THE THREAD TO BE USED IS POLYESTER AND COTTON, CONTINUOUS FILAMENT POLYESTER CORE, COTTON SHEATH, OLIVE DRAB TO BS EN 12590:2000: TABLE 5 METRIC TICKET 25. <u>8</u>

SECURING SCRAMBLE NETS:
SCRAMBLE NETS ARE TO BE LASHED TO THE OBSTACLE FRAME ALONG SCRAMBLE NETS ARE TO BE LASHED TO THE OBSTACLE FRAME ALONG EACH SIDE AND ACROSS THE TOP. SIDE LASHING IS TO BE A MINIMUM OF ONE LOOP TO EACH SQUARE AND TOP LASHING IS TO BE A MINIMUM OF TWO LOOPS TO EACH SQUARE. A MINIMUM

TENSION:
SCRAMBLE NETS MAY BE TENSIONED TO TAKE UP THROUGH CONTINUED USE, BY RE-LASHING.

## BURMA BRIDGE ROPEWORK

TOP AND BOTTOM ROPES:
THE TOP AND BOTTOM ROPES ARE TO BE 24MM-28MM DIAMETER,
POLYESTER (LESS STRETCH PROPERTIES THAN POLYPROPYLENE
MANILA) CONFORMING TO BS EN 697 OR A SUITABLE ALTERNATIVE APPROVED BY DC IPT. ALTERNATIVE 유

THE VERTICAL ROPES, HAND RAILS AND GUARD RAIL (HORIZONTAL ROPE RUNNING THE LENGTH OF THE ROPE BRIDGE POSITIONED MID-WAY BETWEEN TOP AND BOTTOM ROPES) ARE TO BE 12MM-16MM DIAMETER, POLYESTER CONFORMING TO BS EN 697 OR A SUITABLE ALTERNATIVE APPROVED BY DC IPT.

ROPE ENDS:
THE ENDS OF THE TOP AND BOTTOM ROPES ARE TO HAVE THIMBLEYES ATTACHED AND ARE TO BE SPLICED AND SEIZED IN ACCORDANCE WITH BR 68, CHAPTER 3.

### DISTORTION PREVENTION: THE VERTICAL ROPES ARE

THE VERTICAL ROPES ARE TO BE BOTTOM ROPES AND THE GUIDE F E SPLICED WITH THE TOP AND RAIL ROPE TO PREVENT DISTORTION.

SECURING THE BURMA ROPE BRIDGE:
THE TOP AND BOTTOM ROPES ARE TO BE SECURED DIRECT TO THE MAIN FRAME VIA THE THIMBLE EYES AND TO A BOTTLE SCREW TO DIBOW (PREFERRED) GALVANISED STEEL OR ALLOY SHACKLES.
ANY PERSON CARRYING OUT A RISK ASSESSMENT OR INSTRUCTING MUST BE ABLE TO SEE WHETHER THE SCREW/TURN BUCKLES THAT SECURE/TENSION THE BURMA BRIDGE ROPES TO THE FRAME HAVE BEEN UNDONE OR LOOSENED SINCE THE LAST USE. 유

### ROPE SWING ROPEWORK

MAIN ROPE:
THE MAIN ROPE IS TO BE 28MM-34MM DIAMETER, NATURAL (MANILA GRADE 1 - PREFERRED) OR SYNTHETIC (POLYPROPYLENE) AND CONFORM TO BS EN 698 (FOR MANILA ROPE) OR BS EN 699 (FOR POLYPROPYLENE ROPE) OR A SUITABLE ALTERNATIVE APPROVED BY DC <u>P</u>

ROPE ENDS:
THE BOTTOM END OF THE ROPE IS TO BE SPLICED AND SEIZED I ACCORDANCE WITH BR 68, CHAPTER 3. THE TOP END OF THE RC TO HAVE A THIMBLE EYE ATTACHED AND SEIZED IN ACCORDANWITH BR 68, CHAPTER 3. IN ACCORDANCE S

SECURING BURMA BRIDGE NOTE AMENDED, TAKE OFF AREAS CHANGED TO ASTROTURF

OR WETPOUR RUBBER SURFACING

SC ဗ ş FEB '09

Rev Description CROSS-REFERENCE TO SCALE 44 AMENDED  $\leq$ ₽ Chk App Date ACR, ACR, JUNE'07



e-mail: enviro.leicester@wyg.com

Green Young White

Avalon Way

executive Park

# Environmental

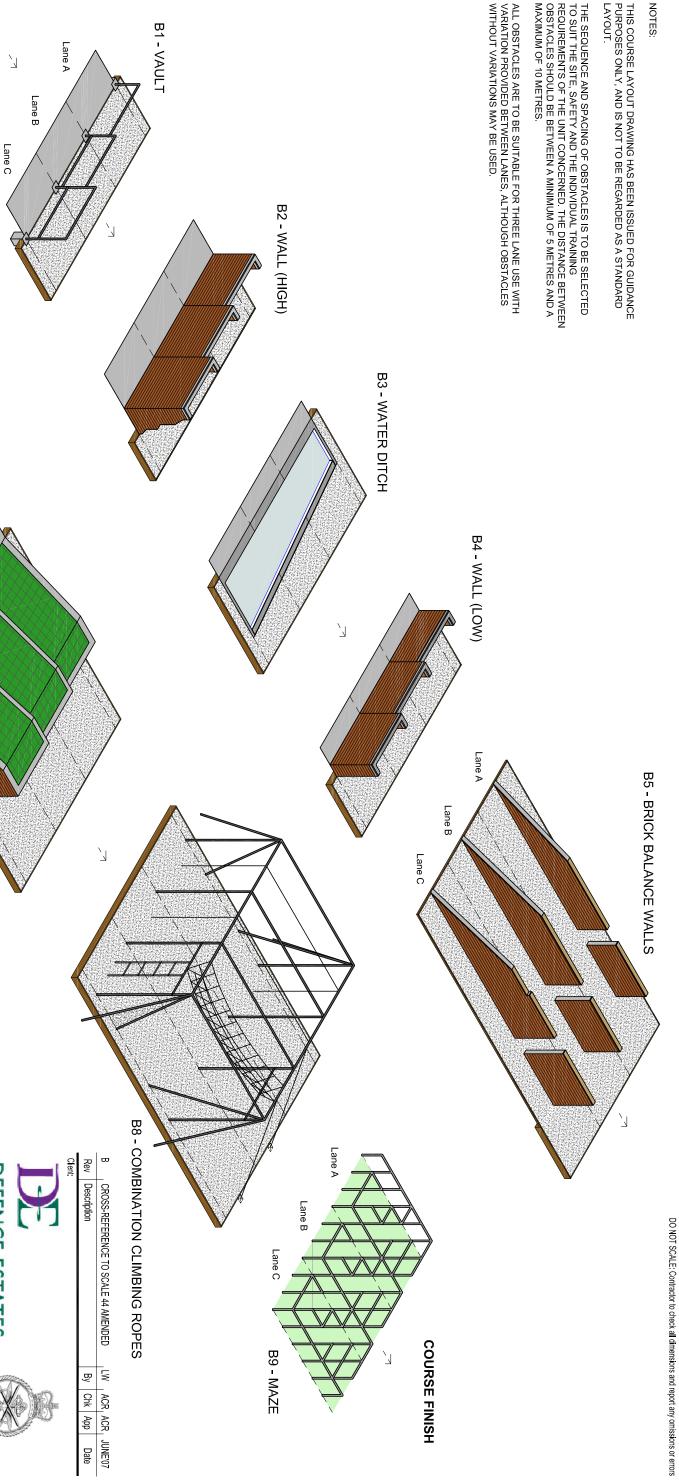
Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management

# OBSTACLE COURSE DRAWINGS

GENERAL DESIGN GUIDANCE NOTES **OBSTACLE COURSES A AND B** JSP 315 SCALE 44

	4
Drawing No.	49/DE/AB01
Revision	C

Mhite Young Green Consulting Ltd.



# **COURSE START**



**B7 - RAMP** 

DEFENCE ESTATES

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White Young Green

Civil Structural Mechanical Electrical Process Rail Traffic Environmental Project Management Environmental

**OBSTACLE COURSE DRAWINGS** 

Lane B

B6 - DRY DITCH

SCHEMATIC LAYOUT

(JSP 315 SCALE 44, ANNEX D)

COURSE TYPE B (TRAINEES)

Project No. **E**008949 office 35 <sup>Туре</sup> 04 Checked By Spp Drawing No. E8949/DE/B Approved By

ACR Date 03/10/06
Revision

APPROVAL ☐ INFORMATION 🏽

TENDER

CONTRACT | CONSTRUCTION |

SCHEMATIC LAYOUT