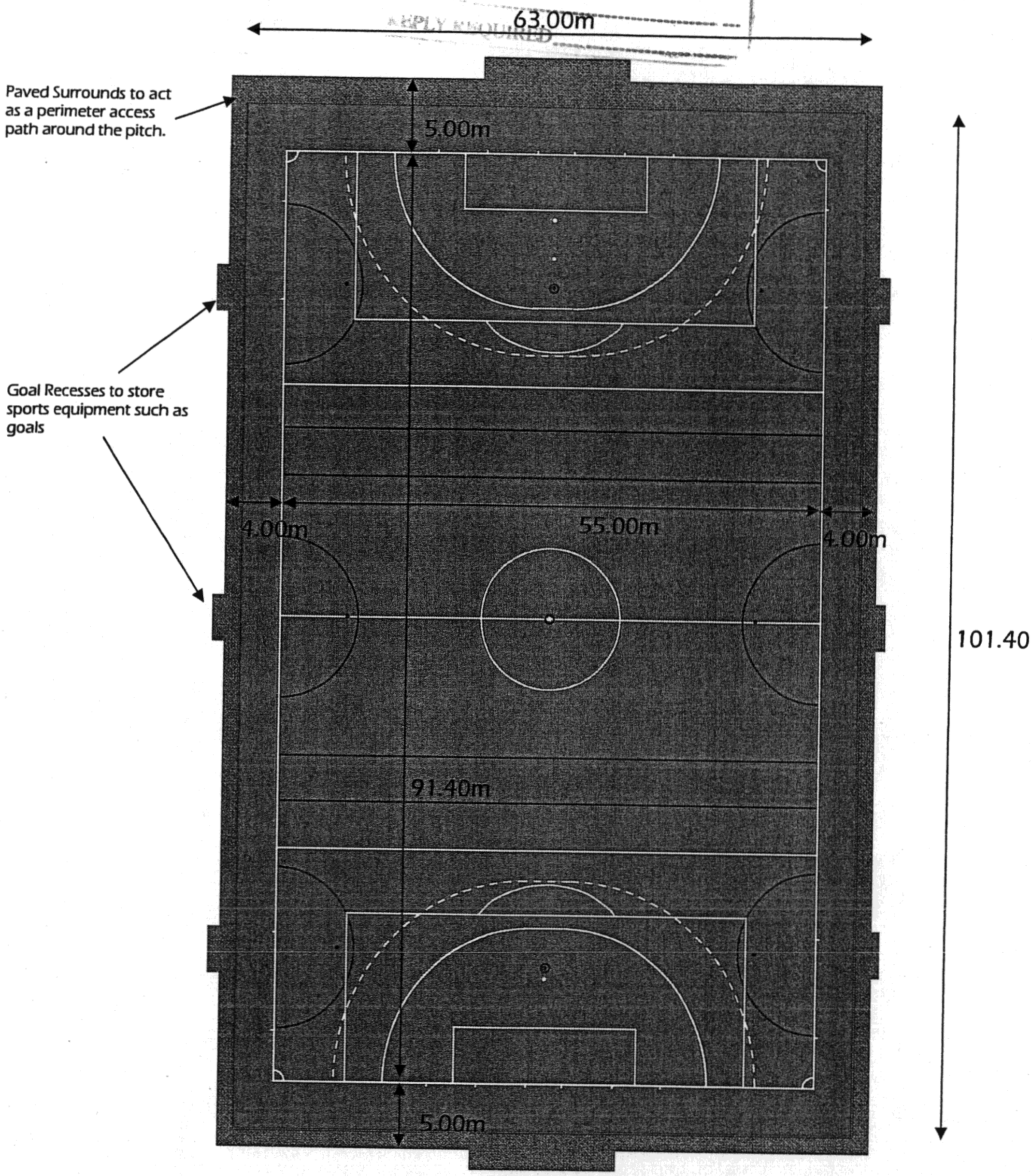
PITCH PLAN

02 JAN 2007

HPK/ 2007 / 0005

REPLY REQUIRED



PROJECT:	PREPARED BY:	TITLE:
Glossop Dale School	notts sport® premier house t. +44 (0) 116 272 0222 f. +44 (0) 116 272 0617 e. info@nottssport.com w. www.nottssport.com	POTENTIAL SYNTHETIC SPORTS PITCH LAYOUT

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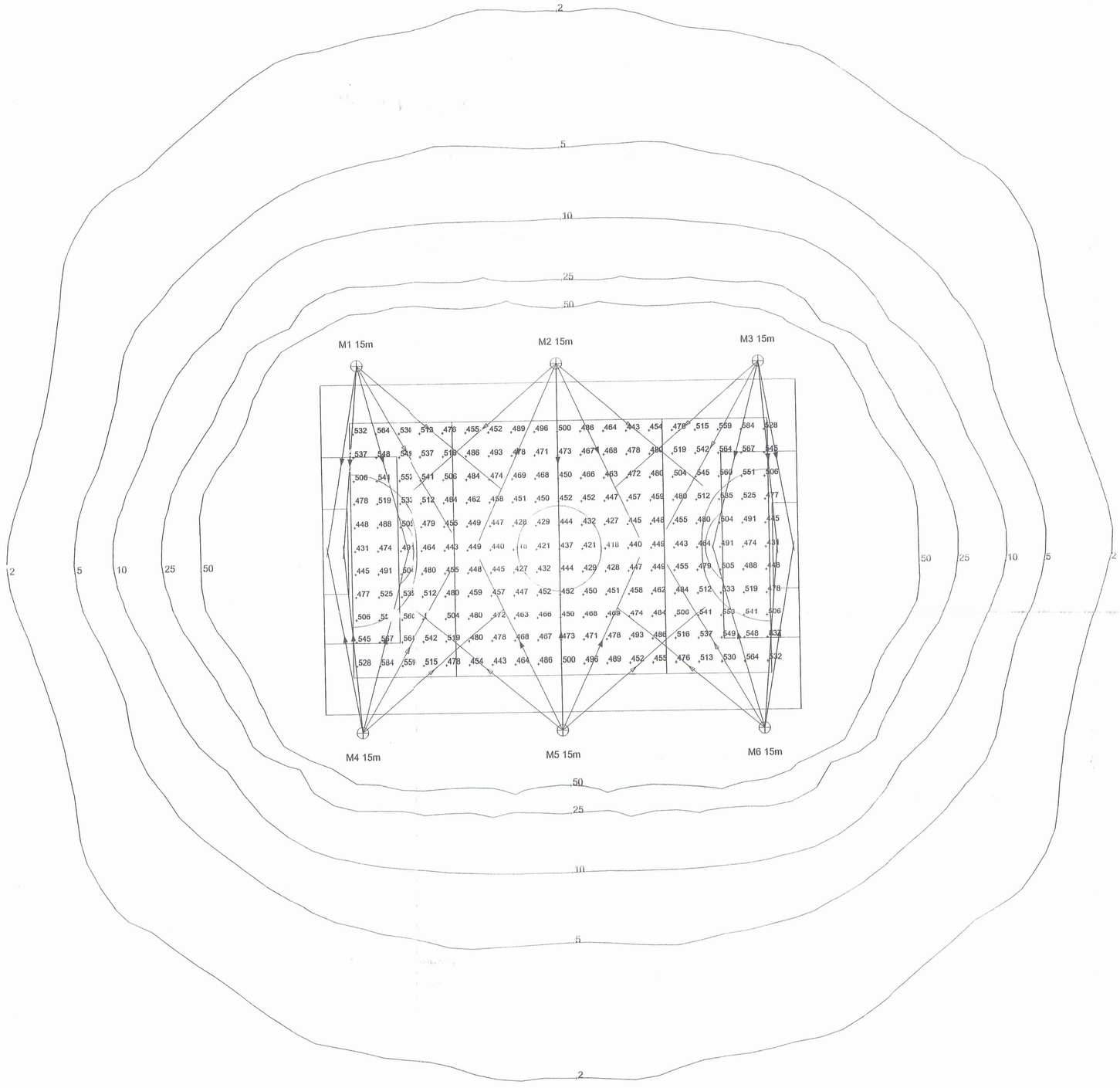
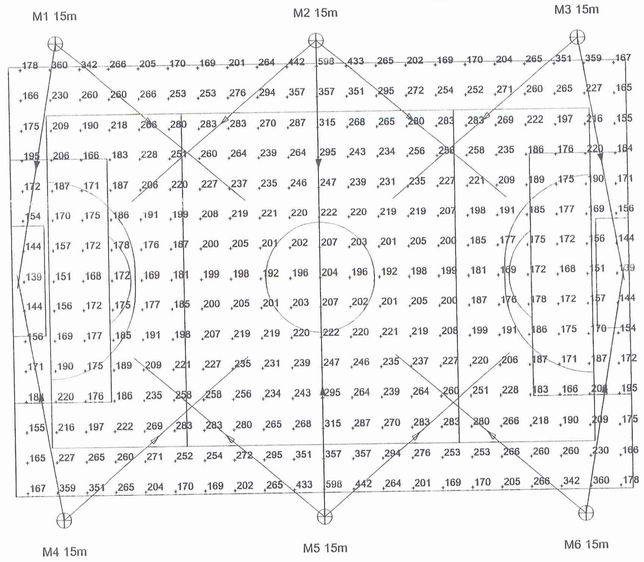
Abacus
LEADERS IN LIGHTING





LIGHTING EQUIPMENT
6 x 15m Masts Each Carrying:-
M1 - M6.....3 x AL5706/2kW HQI-TS 2000WNL Floodlights
c/w AL5721 Grey Cowl
2 x AL5714/2kW HQI-TS 2000WNL Floodlights
c/w AL5721 Grey Cowl

LAMPS (Osram)
2kW HQI-TS 2000WNL (225,000 l.Lm)

HORIZONTAL ILLUMINANCE DETAILS
Hockey Pitch
Average Initial Illuminance (100 Hours): Eh.i = 486 LUX
Average Maintained Illuminance (3,000 Hours): 355 LUX

Uniformity Ratio (Emin/Eh.i): 0.86
(Emin/Emax): 0.75

Football Pitch (Switched Down)
Average Initial Illuminance (100 Hours): Eh.i = 226 LUX
Average Maintained Illuminance (3,000 Hours): 165 LUX

Uniformity Ratio (Emin/Eh.i): 0.61
(Emin/Emax): 0.23

Grid Values & Contours in LUX
Grid Intervals: 5.0m
Contours: 2,5,10,25 & 50 LUX

Maintenance Factor: 0.73
Baased Upon:-
Pre-season Cleaning of Luminaires
Location: Medium Pollution
Dirt Depreciation Factor: 8 %
Lamp Lumen Depreciation Factor: 20 %
Bulk Lamp Replacement: 3,000 Hours
Spot Lamp Replacement Undertaken

Notes:-
1) Hockey ppitch location has been assumed to be central to overall area give by customer.
2) Hockey pitch size has been taken as standard.

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Lighting Project: Football/Hockey Pitch Floodlighting

Title:

Design Ref: LS12061

Revision(s) From Previous Design:

Design By: Jonathan Green

Date:

Scale: 1:500

All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.