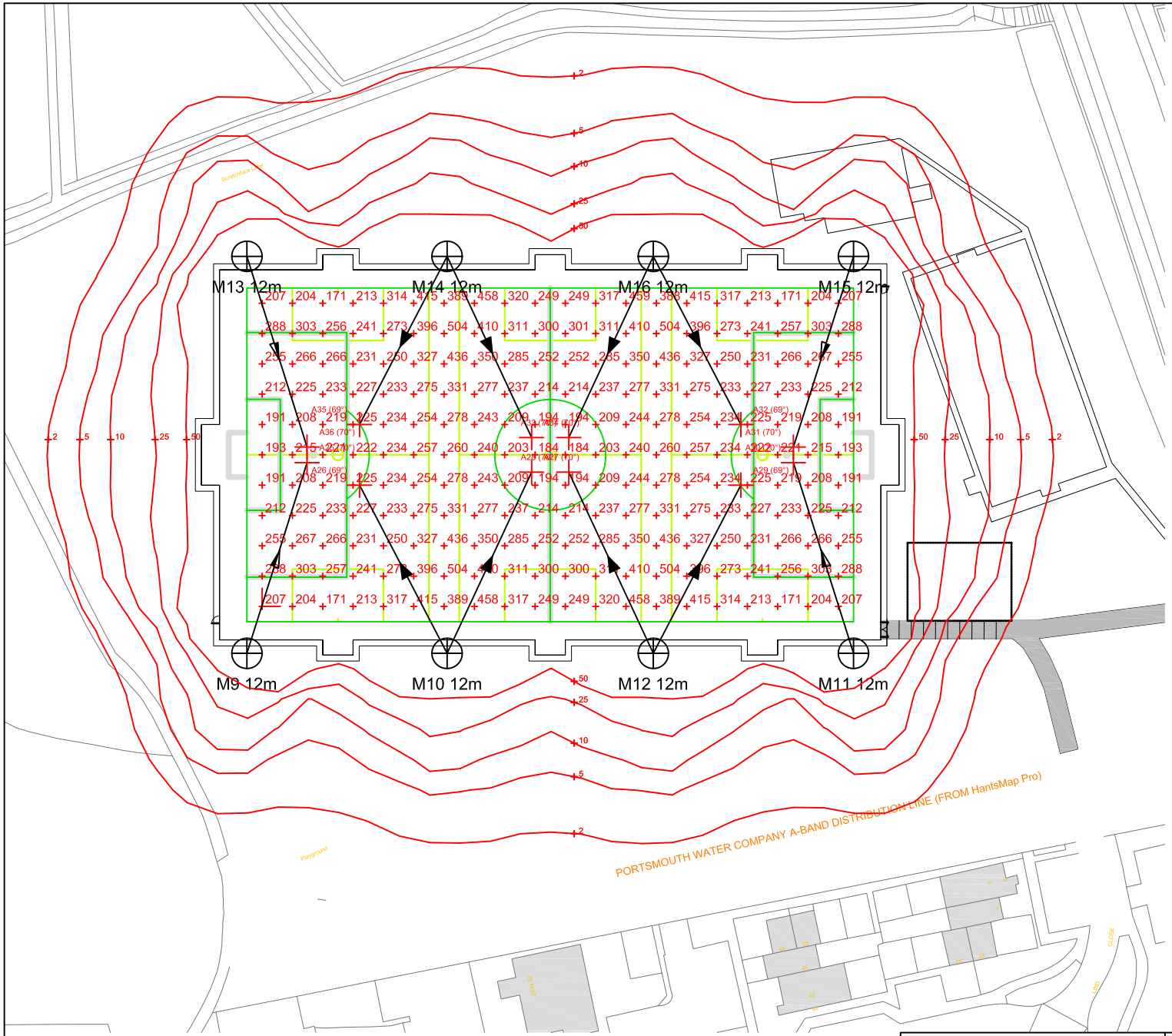


Abacus
Leaders in lighting

FLOODLIGHTING EQUIPMENT:
8 x 12m MASTS (M1-M8)
EACH CARRYING THE FOLLOWING FLOODLIGHTS:
M1,M4,M5,M8 .....1 x AL5779/2KW/MH-TS2000W/XL
M2,M3,M6,M7 ..... 2 x AL5780/2KW/MH-TS2000W/XL

LAMPS (VENTURE)
2KW MH-TS2000W/XL/K12/745 (240 000 INITIAL Lm)

ILLUMINANCE LEVELS:
INITIAL (100 Hrs)
E.i.ave = 272 LUX

MAINTAINED (4000 Hrs)
E.m.ave = 202 LUX

UNIFORMITY
Emin/Eave = 0.63

GRID VALUES IN LUX
GRID INTERVAL = 5m
CONTOUR VALUES IN LUX
CONTOURS 2,5,10,25,50 LUX

MAINTENANCE FACTOR = 0.74
BASED UPON:-
DIRT DEPRECIATION FACTOR = 7%
CLEANING INTERVAL = 12 MONTHS
LOCATION = MEDIUM POLLUTION
LAMP LUMEN DEPRECIATION = 21%
BULK LAMP REPLACEMENT AT 1500 Hrs
SPOT LAMP REPLACEMENT UNDERTAKEN
BASED UPON 4hrs A NIGHT 365 DAYS
(Average summer months may be less
and winter months may be more)

UP ON RECEIPT OF AN ORDER ABACUS WILL
SUPPLY THE COLUMN AND OR MAST LOCATIONS
IN CONJUNCTION WITH THE FLOODLIGHTS AIMING
ANGLES

ISO9001 • ISO14001
OHSAS 18001

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Lighting Project: EXTERNAL FLOODLIGHTING

Title: SOUTH DOWNS COLLEGE

Design Ref: UKS7403-2-12M	Revision(s) From Previous Design:
Design By: JAMES WELBOURN	
Date: 20/09/2011	Scale: 1 : 500 @ A2

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.