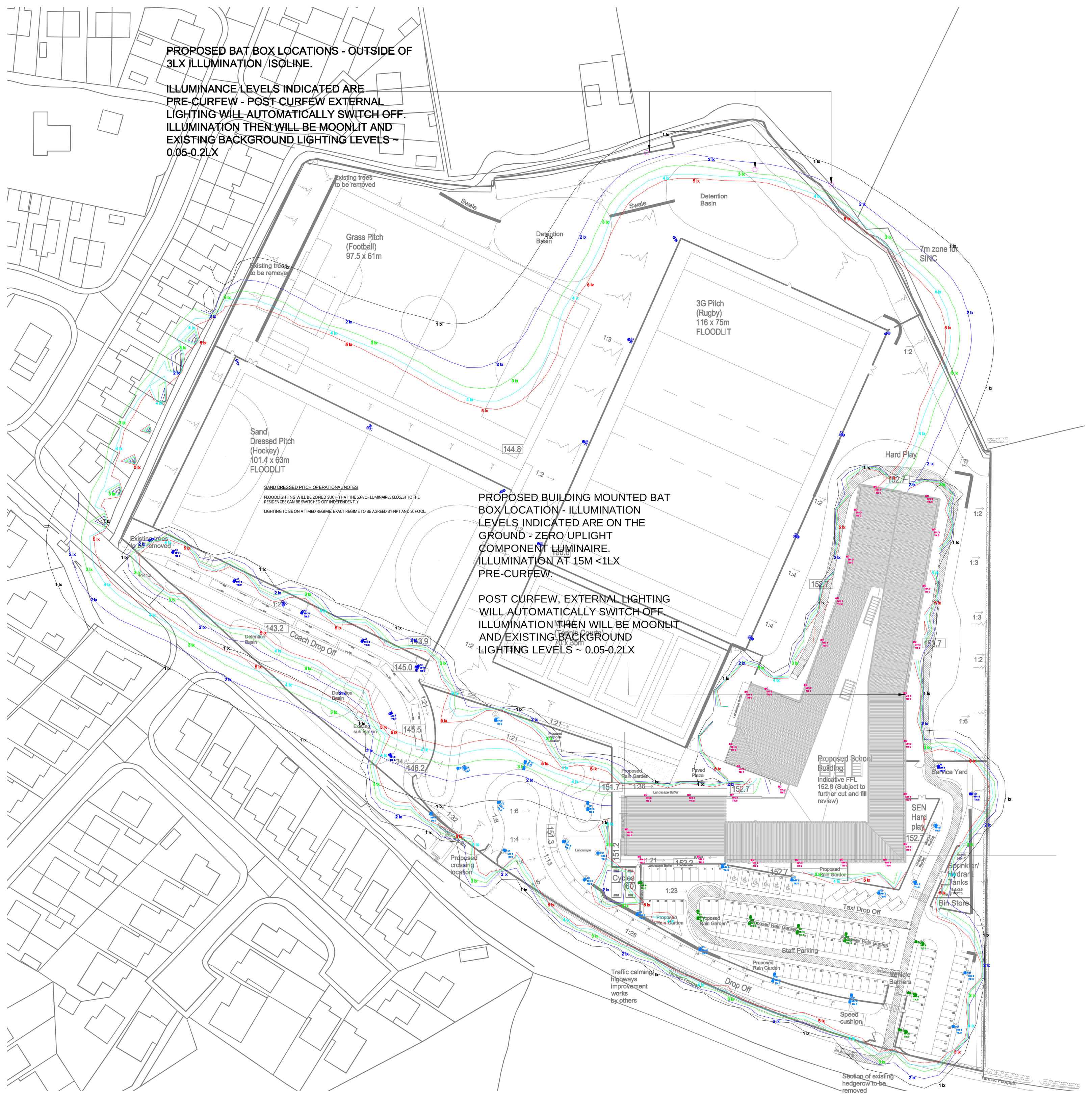
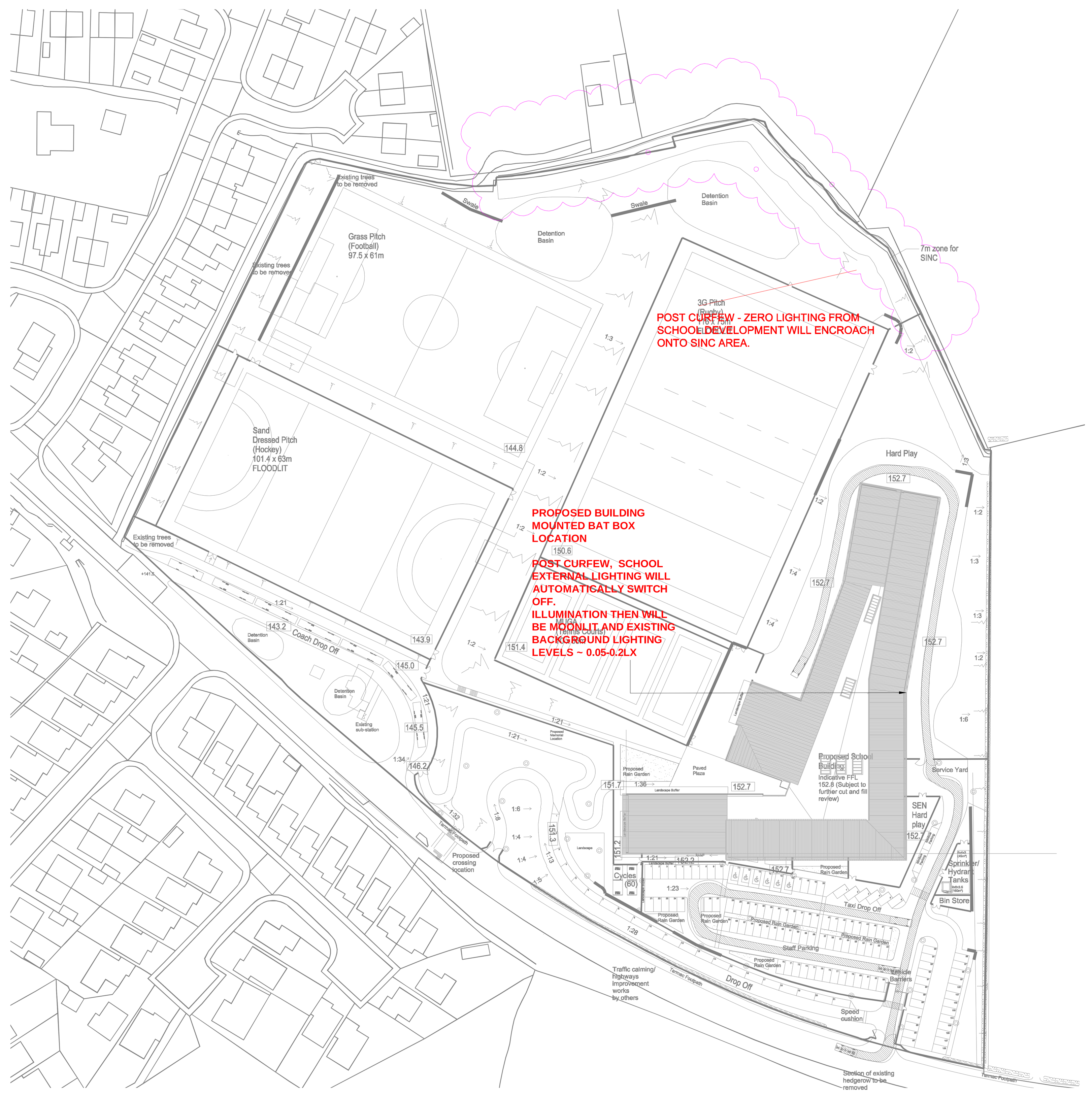
DO NOT SCALE

PRE-CURFEW



POST-CURFEW



Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description
	80	E1g	SINGLE	0.900	717w (9 Module) 1050mA 3000K Galileo 3 2_0 with ASP-7W optic mounted on 15m mast

Table 1 - Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
10 - Muga	Illuminance	Lux	255.70	419	161	0.63	0.38
12- 3G Pitch	Illuminance	Lux	221.71	483	133	0.60	0.28
Sand Dressed Pitch	Illuminance	Lux	202.12	470	141	0.70	0.30
Houses on the left_Cd_Seg3	Obtrusive Light - Cd	N.A.	6373	6914	5678	0.89	0.82
Houses at the bottom_Cd_Seg9	Obtrusive Light - Cd	N.A.	271.33	487	112	0.41	0.23
Houses on the left_Ill_Seg4	Obtrusive Light - Ill	Lux	7.35	7.5	7.1	0.97	0.95
Houses at the bottom_Ill_Seg40	Obtrusive Light - Ill	Lux	0.84	1.3	0.5	0.60	0.38
House at the bottom left_Ill_Seg	Obtrusive Light - Ill	Lux	1.35	1.9	0.8	0.59	0.42

TABLE 2 . COMPLIANCE WITH ILP GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT

	TARGET	ACHIEVED	PASS/FAIL
ENVIRONMENTAL ZONE			E3
SKY GLOW	E3	E3	PASS
SOURCE INTENSITY (CANDELAS)			
PRE-CURFEW	10,000	6,914	PASS
POST CURFEW	1,000	0	PASS
LIGHT TRESPASS INTO WINDOWS(LUX)			
PRE-CURFEW	10	7.35	PASS
POST CURFEW	2	0	PASS

ISOLINES KEY

- 1.0 LX
- 2.0 LX
- 3.0 LX
- 4.0 LX
- 5.0 LX

EXTERNAL LIGHTING OPERATIONAL NOTES

1. PITCH FLOOD LIGHTING SHALL BE CONTROLLED VIA A MANUAL SWITCH AND PHOTOCELL/TIMECLOCK ARRANGEMENT. THE PITCH FLOODLIGHTING SHALL BE SWITCHED ON ONLY WHEN REQUIRED BUT SHALL BE INHIBITED BY AVAILABLE DAYLIGHT
2. A MULTI LEVEL TIMESWITCH REGIME SHALL OPERATE TO INHIBIT ZONES OF THE PITCH FLOODLIGHTING. THESE TIME REGIMES SHALL BE AGREED AT FUTURE DESIGN STAGES. THE WHOLE OF THE PITCH FLOODLIGHTING SHALL AUTOMATICALLY SWITCH OFF AT 10PM IF NOT MANUALLY SWITCHED OFF.
3. AMENITY LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL/TIMECLOCK ARRANGEMENTS. AT AN AGREED TIME A PORTION OF THE CAR PARK LIGHTING SHALL SHUT DOWN TO LEAVE A MINIMUM LEVEL OF SECURITY LIGHTING

REV	DATE	BY	DESCRIPTION	CHK	APP
P06	07/2019	IT	POST CURFEW LAYOUT ADDED. DRAWING RESCALED.	GS	DI
P05	07/2019	IT	BAT BOX LOCATIONS AND NOTES ADDED AS CLOUDED. GENERAL AMENITY LIGHTING ISOLINES INDICATED AROUND BUILDING.	GS	DI
P04	05/2019	IT	MUGA PITCH LIGHTING OMITTED	GS	DI
P03	05/2019	IT	LANDSCAPE UPDATED	GS	IT
P02	04/2019	IT	UPDATED TO NEW SITE PLAN, ZONAL CONTROL NOTES ADDED, ILLUMINATION DEGRADATION LINES UPDATED. LUMINAIRE LAYOUT UPDATED	GS	GS
P01	03/2019	IT	FIRST ISSUE	MH	GS

DRAWING STATUS: S2 - FOR INFOMATION

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TITLE: ELECTRICAL ENGINEERING SERVICES
EXTERNAL LIGHTING ASSESSMENT
SPORTS FLOODLIGHTING

SCALE @ A0:	CHECKED:	APPROVED:	
1:1000	MH	GS	
PROJECT No: 70019143	DESIGNED: IT	DRAWN: IT	DATE: MAR 2019
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