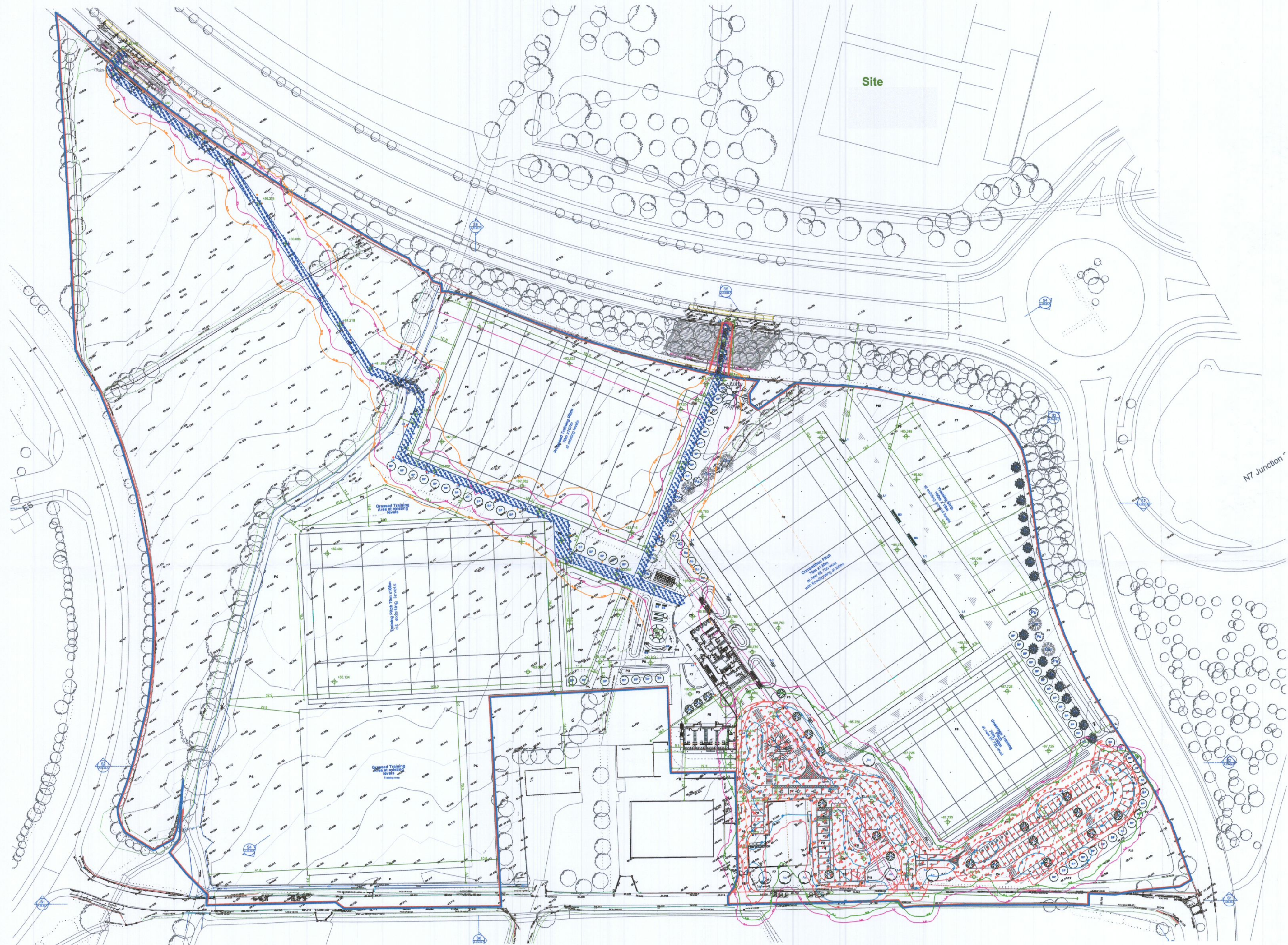


Paths & Parking
 Results - Horizontal Illuminance (lux)
 Eav= 25.7
 Emin= 1.03
 Emax= 167
 Emin/Emax= 0.01
 Emin/Eav= 0.04
 Emax/Eav= 6.49

Bike Paths
 Results - Horizontal Illuminance (lux)
 Eav= 8.73
 Emin= 0.44
 Emax= 90.00
 Emin/Emax= 0.01
 Emin/Eav= 0.05
 Emax/Eav= 10.31



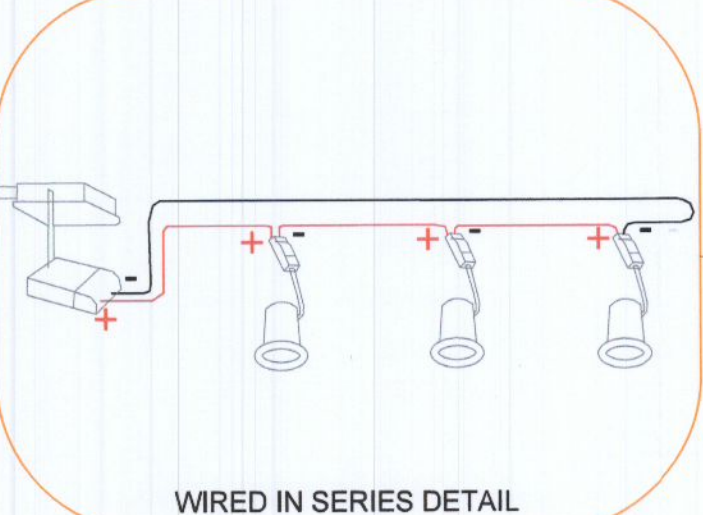
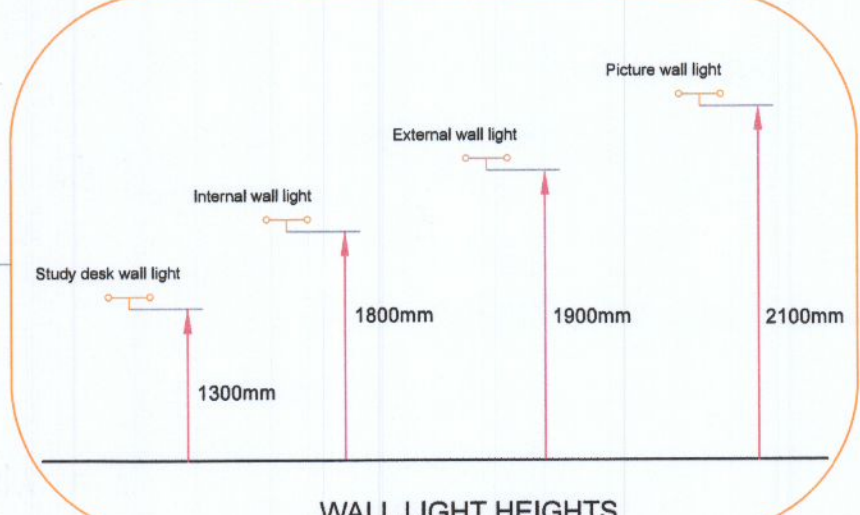
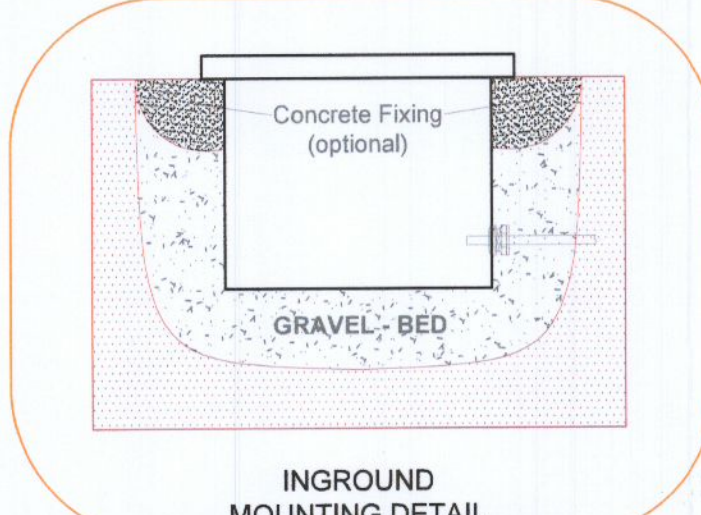
wink
 enhancing spaces with light

Ref	Fitting description
2	8450R72 Parker Street & Urban Post Lamp 91W 2200K
3	LP0D40-Dir-PClen-AsymRefW/ Handrail Pod Asymmetric 1.4W 2700K
4	65395M07 Opt-Pole Bollard 9.5W 2700K
+15	Pedestrian Zone P4 - Lux Values
+15	Bike Paths P6 - Lux Values
	25 Lux Iso Line
	10 Lux Iso Line
	2 Lux Iso Line
	1 Lux Iso Line
	.04 Lux Iso Line

**DRG No. A.03.05.2.4:
 WINK LIGHT HEATMAP**

Fire Danger from Saddy Installed Light fittings
 Clause 422 of the Wiring Rules "Protection Against Fire" states that electrical equipment shall not be installed in a position where it could be a fire hazard to adjacent materials.
 RECC inspectors often find extra low voltage light fittings installed in locations without adequate ventilation to prevent heat build-up. This is obviously a breach of the Wiring Rules.
 EIC recommendations
 The general "Guide to the Installation of Extra-Low Voltage Lighting Systems" (document ET205:1998) issued by the Electro-technical Council of Ireland recommend that "the installer must ensure that excessive heat build-up is avoided by keeping clear of thermal insulation and having sufficient space around the luminaires" as shown below.
 The importance of clearing away the insulation needs to be emphasised for reasons that are obvious if the nature of design and testing of fittings is understood.

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DIMMING CABLE REQUIREMENTS

	230V	Signal	Perm. Feed
Phase	✓		
DALI	✓	1 pair	
0-10 V	✓	1 pair	
1-10 V	✓	1 pair	
PWM	✓	1 pair	
Push to dim	✓		✓
RGBW		5 Core Cable	
RGB		4 Core Cable	

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Rev	Description	Date	Client:
1	Proposal	29.06.21	Clondalkin RFC
			Project: Clondalkin RFC
			Project #: 22112
			Drawing: Lighting Calculation
			Drawn by: COB
			Scale: 1:1000