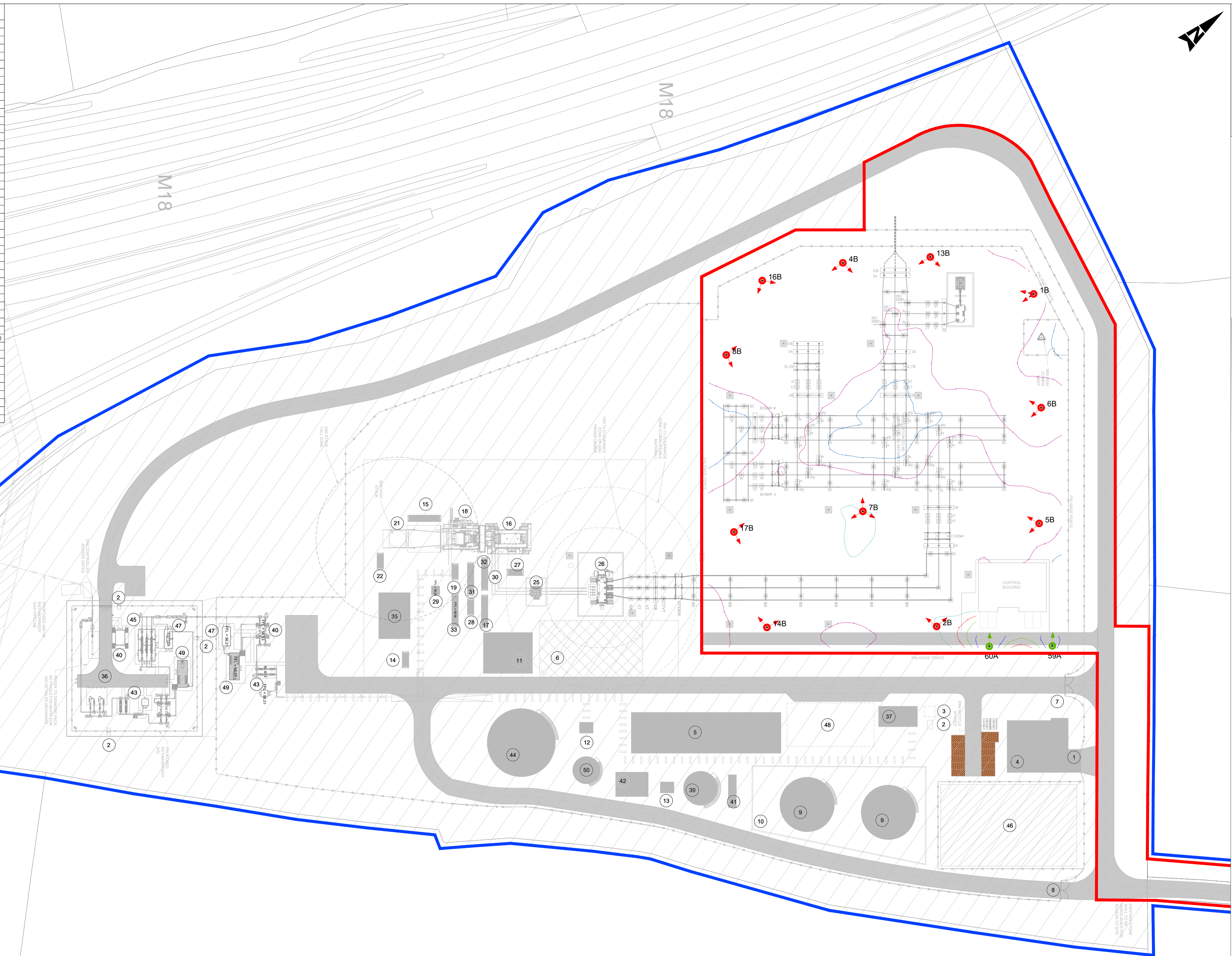


Millimetres
0
10
20
30
40
50
60
70
80
90
100

KEY TABLE	
1	ADMINISTRATION BUILDING SUBSTATION
2	AGI PEDESTRIAN ACCESS GATE
3	UNDERGROUND WASTEWATER TREATMENT PLANT
4	ADMINISTRATION BUILDING
5	WORKSHOP BUILDING
6	MAINTENANCE LAY DOWN AREA
7	MAIN ENTRANCE GATES
8	EMERGENCY ACCESS GATES
9	FUEL TANK - CAPACITY 2x3502cu.m 20MØ 11.1m HIGH
10	FUEL TANK BLIND - 2.5m HIGH
11	ELECTRICAL CONTROL BUILDING
12	DEMIN TANK PUMP SKID
13	SERVICE WATER PUMP SKID
14	EMERGENCY DIESEL GENERATOR
15	CO2 FIRE FIGHTING SKID
16	GENERATOR
17	COMPRESSOR CLEANING SKID AND TANKS
18	TURBINE
19	FUEL GAS SUPPLY SYSTEM SKID
20	--ITEM NUMBER NOT USED INTENTIONALLY--
21	TURBINE EXHAUST STACK
22	CONTINUOUS EMISSIONS MONITORING UNIT
23	--ITEM NUMBER NOT USED INTENTIONALLY--
24	--ITEM NUMBER NOT USED INTENTIONALLY--
25	UNIT AUXILIARY TRANSFORMER (UAT)
26	GSU TRANSFORMER
27	AIR COOLING SKID
28	WATER SKID
29	PROPANE TANK
30	GENERATOR CIRCUIT BREAKER
31	OIL LUBE SKID
32	DUAL FUEL MODULE
33	COMPRESSED AIR SKID
34	--ITEM NUMBER NOT USED INTENTIONALLY--
35	FIN FAN COOLER
36	RATHMORRISSEY AGI (DRAWING 2183-DG-1001)
37	FUEL FORWARDING & UNLOADING AREA
38	--ITEM NUMBER NOT USED INTENTIONALLY--
39	FIRE & SERVICE WATER TANK
40	ELECTRICAL AND INSTRUMENTATION KIOSK (DRAWING 2183-DG-1005)
41	FIRE WATER PUMP SKID
42	WATER TREATMENT PLANT
43	GAS ANALYSER KIOSK (DRAWING 2183-DG-1006)
44	DEMIN WATER TANK 7555M3 25MØ 15.4M HIGH
45	MAIN PRESSURE REDUCTION KIOSK (DRAWING 2183-DG-1002)
46	SOAKAWAY RETENTION POND
47	ANCILLARY PRESSURE REDUCTION KIOSK (DRAWING 2183-DG-1004)
48	UNDERGROUND 1087cu.m CONTAMINATED FIREWATER TANK
49	BOILER HOUSE KIOSK (DRAWING 2183-DG-1003)
50	DEMIN WASTE TANK - 10mØ 5m HIGH



- GENERAL NOTES**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
 - ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
 - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR
 - DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION
 - THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES OF THE PLANNING APPLICATION AND IS SUBJECT TO DETAILED DESIGN

- ELECTRICAL NOTES**
- ELECTRICAL INSTALLATION TO BE CARRIED OUT IN ACCORDANCE WITH IS 1011:2020 ALL ELECTRICAL WORK WILL BE CARRIED OUT BY A COMPETENT ELECTRICAL CONTRACTOR. THE INSTALLATION, I.E DESIGN, CONSTRUCTION, INSPECTION AND TESTING WILL BE COMPLETED IN STRICT ACCORDANCE WITH IS 1011:2020 AND IN COMPLIANCE WITH OTHER REGULATIONS.
 - PROPOSED NEW LIGHTING HAS BEEN DESIGNED IN ACCORDANCE WITH IS EN 13201-2:2015, BS 5489-1:2020 AND EIRGRID ELECTRICAL AND MECHANICAL SERVICES FOR TRANSMISSION SYSTEMS CONTROL BUILDING AND COMPOUND XDS-QFS-00-01
 - GROUP SWITCHING OF NEW LIGHTING SYSTEM WILL BE FACILITATED VIA THE INDIVIDUAL PHOTOCELLS MOUNTED ON LUMINAIRE HEADS.
 - THE AREAS AS FOLLOW HAVE BEEN DESIGNED ACCORDING TO THE FOLLOWING STANDARDS:
 - EIRGRID COMPOUND SHALL BE DESIGNED IN ACCORDANCE WITH XDS-QFS-00-01 [EMN+SLUX]
 - MAINTENANCE FACTOR 0.89
 - CASHLA PEAKER PLANT SUBJECT OF SEPARATE S-37E PLANNING APPLICATION SUBMITTED TO AN COMISION PLEANALA

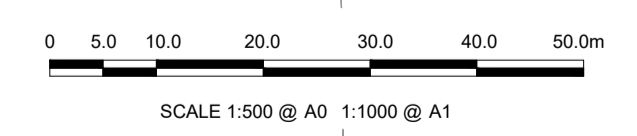
LEGEND

SYMBOL	IMAGE	DESCRIPTION
▲		Luminaire A Height: 20Mtr AKA 3 1 5265 Integrated lenses 16 OSLON SQUARE GIANT@870mA Lamp 16 OSLON SQUARE GIANT@870mA WW 727 230V 00-53-387 MF 0.89
▲		Luminaire B Height: 20Mtr AKA 3 1 5265 Integrated lenses 16 OSLON SQUARE GIANT@870mA Lamp 16 OSLON SQUARE GIANT@870mA WW 727 230V 00-53-387 MF 0.89
—		PROJECT ELEMENT OUTLINE
14		14 Lux Levels
11		11 Lux Levels
8.8		8.8 Lux Levels
6.1		6.1 Lux Levels
3.4		3.4 Lux Levels
2.5		2.5 Lux Levels

Results - Horizontal Illuminance (lux)
 Eav= 4.19
 Emin= 2.10
 Emax= 18.11
 Emin/Emax= 0.12
 Emin/Eav= 0.50
 Emax/Eav= 4.32

LEGEND

	PROJECT BOUNDARY FOR PLANNING
	LANDHOLDING BOUNDARY
	SLEEPER / OH PIPE RACK
	PROPOSED STRUCTURES
	ATTENUATION POND / SOAKAWAY
	SETDOWN AREAS
	LIGHTING MAST
	TELECOMMUNICATION MAST
	HATCHED AREA TO BE SUBMITTED AS SEPARATE SID APPLICATION



P:\2020\Project - Cashla\011483\16 - Imp-Graphic\17 - AutoCAD\FECS-RR-22-ZZ-DR-EE-901302.dwg

RTEXT: No open error

Rev	Description	By	Date	Chk'd	App'd
0	ISSUED FOR PLANNING	RRT	12/03/26	SR	AJB

AtkinsRéalis
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Bord Gáis Energy
 Project: CASHLA PEAKER PLANT 220KV
 SUBSTATION AND GRID CONNECTION
 Rathmorrissey, Poltnagroagh, Moanbaun, Castelambert,
 Knocknacreeva, Caranduff, Caherbriskaun, Lisheenkyle
 East, Barrettspark, Cashla, Atherry, Co. Galway.

Purpose		PLANNING			
Title	PROPOSED SITE LIGHTING LAYOUT				
Original Scale	1:500 at A1	Design/Drawn	RRT	Checked	SR
Date	12/03/26	Date	12/03/26	Date	12/03/26
Status	A2	Drawing Number	PEK3-ATK-ZZ-DR-EE-901302	Rev	0