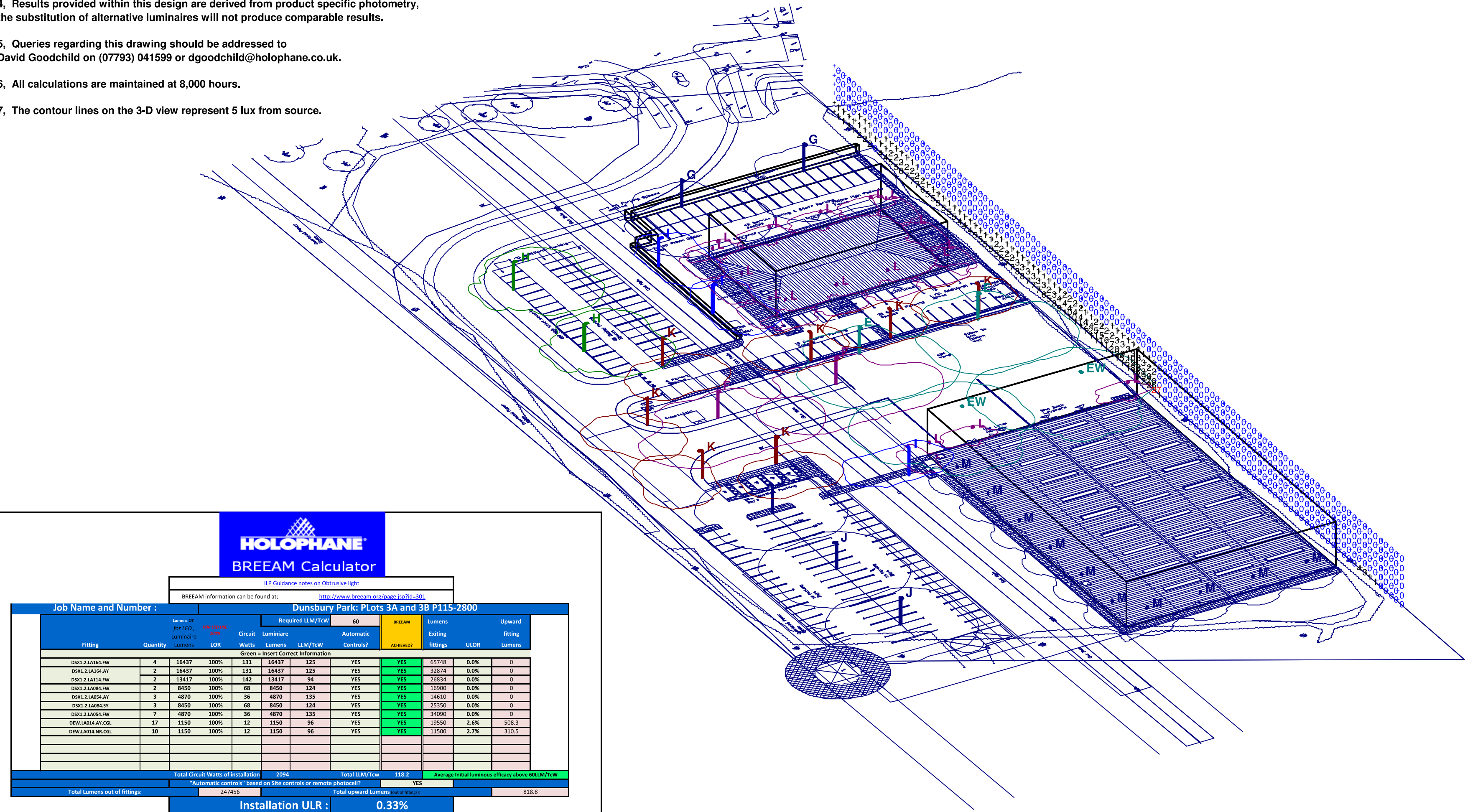


LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	E	2	DSX1.2.LA164.FW	D-Series 1 Luminaire, forward throw distribution, column mounted at 6m	LED C.16000LM-4000K	DSX1.2.LA164. Absolute FW.ies		0.90	131
	EW	2	DSX1.2.LA164.FW	D-Series 1 Luminaire, forward throw distribution, wall mounted at 6m	LED C.16000LM-4000K	DSX1.2.LA164. Absolute FW.ies		0.90	131
	F	2	DSX1.2.LA164.AY	D-Series 1 Luminaire, asymmetric distribution, column mounted at 6m	LED C.16000LM-4000K	DSX1.2.LA164. Absolute AY.ies		0.90	131
	G	2	DSX1.2.LA114.FW	D-Series 1 Luminaire, forward throw distribution, column mounted at 6m	LED C.11000LM-4000K	DSX1.2.LA114. Absolute FW.ies		0.90	105
	H	2	DSX1.2.LA084.FW	D-Series 1 Luminaire, forward throw distribution, column mounted at 6m	LED C.8000LM-4000K	DSX1.2.LA084. Absolute FW.ies		0.90	68
	I	3	DSX1.2.LA054.AY	D-Series 1 Luminaire, asymmetric distribution, column mounted at 6m	LED C.5000LM-4000K	DSX1.2.LA054. Absolute AY.ies		0.90	36
	J	3	DSX1.2.LA084.SY	D-Series 1 Luminaire, symmetric distribution, column mounted at 6m	LED C.8000LM-4000K	DSX1.2.LA084. Absolute SY.ies		0.90	68
	K	7	DSX1.2.LA054.FW	D-Series 1 Luminaire, forward throw distribution, column mounted at 6m	LED C.5000LM-4000K	DSX1.2.LA054. Absolute FW.ies		0.90	36
	L	17	DEW.LA014.AY.C GL	Denver Elite Wall, asymmetric distribution, wall mounted at 3m	LED C.1000LM - 4000K	DEW.LA014.A Y.CGL.ies	Absolute	0.90	12
	M	10	DEW.LA014.NR.C GL	Denver Elite Wall, long and narrow distribution, wall mounted at 3m	LED C.1000LM - 4000K	DEW.LA014.N R.CGL.ies	Absolute	0.90	12

STATISTICS						
Description	Symbol	Avg	Max	Min	Min/Max	Min/Avg
Illuminance on vertical plane for trees on Eastern boundary	+	1 lux	27 lux	0 lux	0.00	0.00
Unit 3A General Areas	◇	14 lux	33 lux	5 lux	0.15	0.36
Unit 3A Perimeter	□	21 lux	38 lux	12 lux	0.32	0.57
Unit 3A Staff Parking	+	20 lux	44 lux	10 lux	0.23	0.50
Unit 3B Other Areas	×	24 lux	71 lux	8 lux	0.11	0.33
Unit 3B Parking	◇	11 lux	21 lux	3 lux	0.14	0.27
Unit 3B Perimeter	□	19 lux	37 lux	8 lux	0.22	0.42

NOTES

- Holophane Europe Ltd offer a Lighting Design Service in good faith and without charge, every effort is made to ensure we interpret the design specification accurately.
- All illuminance values shown are the result of theoretical computer calculations; summated by luminaires positioned in a fixed relationship to each other and the statistical zone.
- In practice the values may vary due to tolerances in column installation, luminaire orientation, surface reflectance and fluctuations in power supply (voltage).
- Results provided within this design are derived from product specific photometry, the substitution of alternative luminaires will not produce comparable results.
- Queries regarding this drawing should be addressed to David Goodchild on (07793) 041599 or dgoodchild@holophane.co.uk.
- All calculations are maintained at 8,000 hours.
- The contour lines on the 3-D view represent 5 lux from source.



ULP Guidance notes on Drainage lights

BREEAM information can be found at: <http://www.breem.org/page.asp?id=101>

Job Name and Number :		Dunsbury Park: Plots 3A and 3B P115-2800									
		Required LLM/TW		ULP		Automatic Control?		BREEAM		Upward	
Fitting	Quantity	Green Watts of Installation	Green = Inert Correct Information	Circuit Watts	Luminance	LLM/TW	Automatic	Rating	Rating	Rating	Rating
Fitting	Quantity	Green Watts of Installation	Green = Inert Correct Information	Circuit Watts	Luminance	LLM/TW	Automatic	Rating	Rating	Rating	Rating
DSX1.2.LA084.FW	4	18437	100%	131	18437	135	YES	YES	0.748	0.0%	0
DSX1.2.LA084.AY	2	18437	100%	131	18437	135	YES	YES	0.748	0.0%	0
DSX1.2.LA084.FW	2	18437	100%	142	18437	84	YES	YES	0.884	0.0%	0
DSX1.2.LA084.FW	2	8450	100%	68	8450	124	YES	YES	0.950	0.0%	0
DSX1.2.LA084.AY	3	8450	100%	96	8450	135	YES	YES	1.015	0.0%	0
DSX1.2.LA084.SY	3	8450	100%	68	8450	124	YES	YES	0.950	0.0%	0
DSX1.2.LA084.FW	7	4870	100%	96	4870	135	YES	YES	0.950	0.0%	0
DSX1.2.LA084.FW	17	1150	100%	12	1150	96	YES	YES	0.950	2.6%	0.08
DSX1.2.LA084.FW	30	1150	100%	12	1150	96	YES	YES	0.950	2.7%	0.08
Total Green Watts of installation 208											
Total LLM/TW 247456											
Total upward LLM/TW 818.8											
Installation ULR : 0.33%											
Permissible ULR % (for each environmental zone): E2 and E3: 0.3% E4 up to 0.3% E5 up to 0.3% E6 up to 0.3%											
The above ULR means that scheme complies to environmental zone(s): E2 & E3 & E4											
Note: this Environmental Zone level is based solely on the ULR											

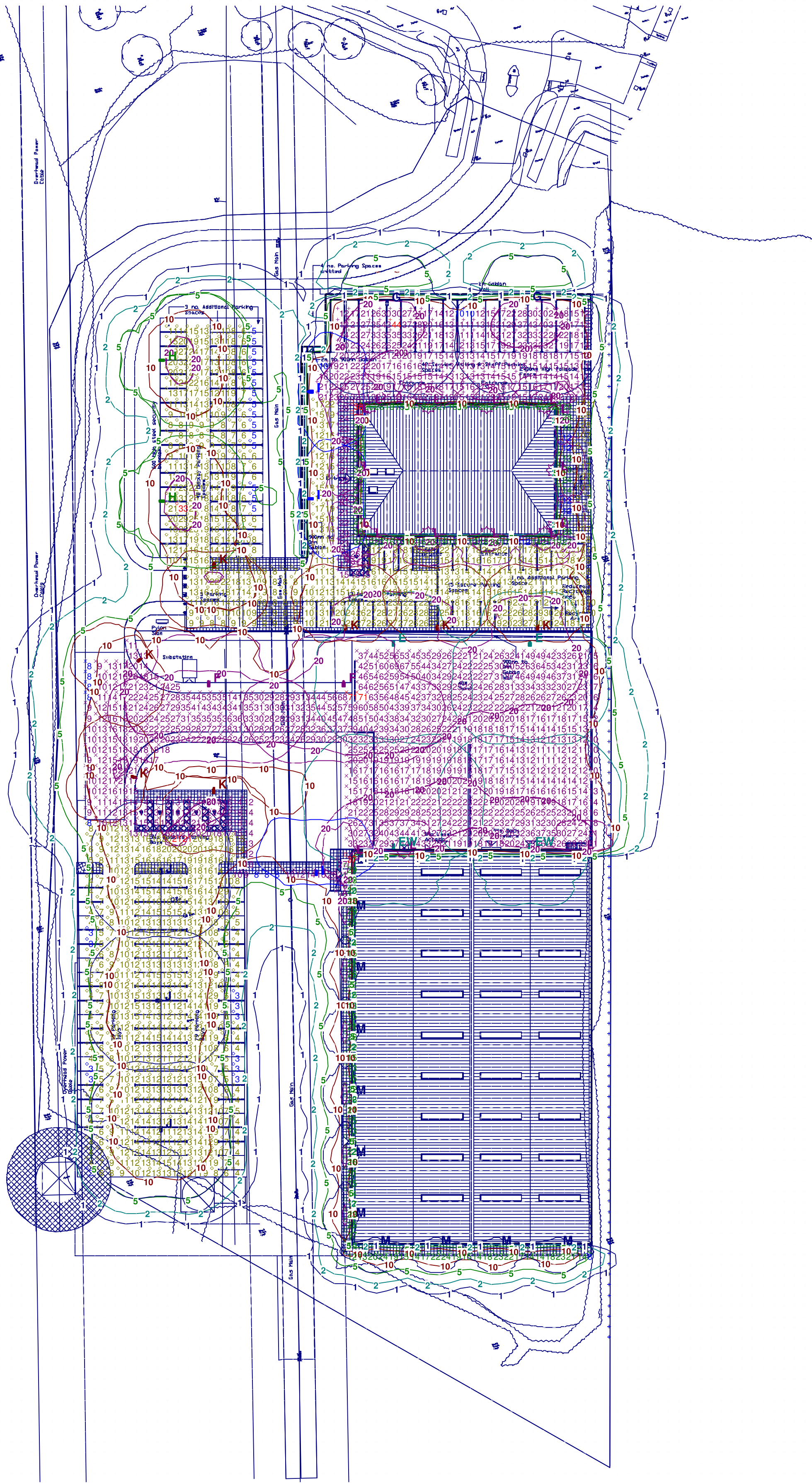
Permissible ULR % (for each environmental zone): E2 and E3: 0.3% E4 up to 0.3% E5 up to 0.3% E6 up to 0.3%

The above ULR means that scheme complies to environmental zone(s):

E2 & E3 & E4

Note: this Environmental Zone level is based solely on the ULR

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Plan View
Scale 1 : 600