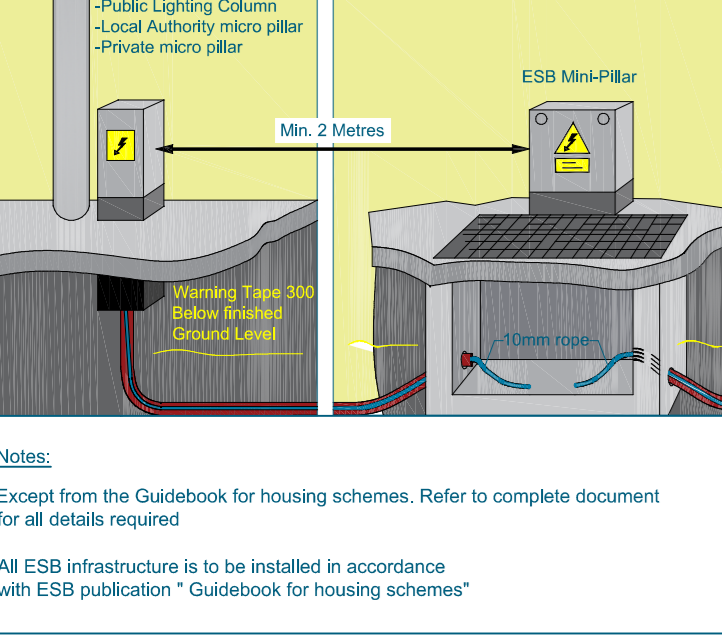
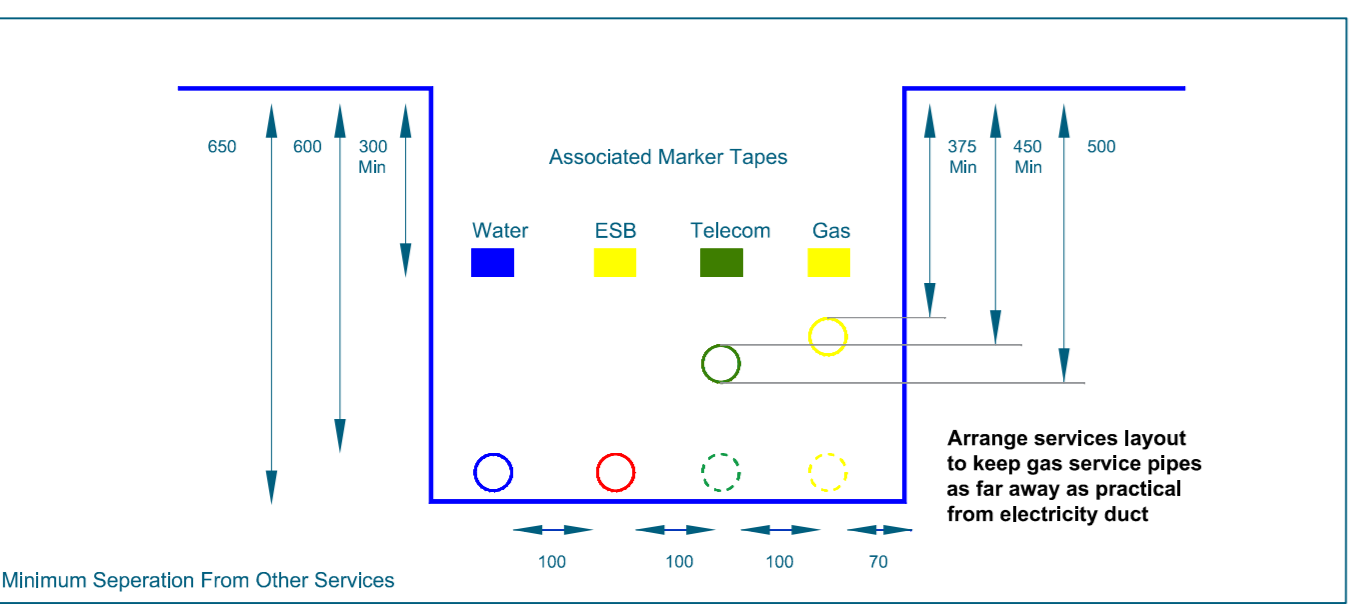


PUBLIC LIGHTING



Cross-Section of Utility Services Trench within House owners Property showing minimum depth and minimum spacing requirements



Notes:
1. Do NOT scale from this drawing.
2. The actual results achieved may vary from predicted values due to normal deviation in luminaire installation, electrical supply, equipment tolerances, obstructions including poles, brackets and mounting arms, reflectances etc.
3. This design is based on a preliminary assessment only and will be developed during the detailed design stage.

Luminaire Location Summary							
ID	Type	X	Y	Height	Angle	Tilt	Out-reach
1	A	15.93	153.02	6.00	14.00	0.00	0.50
2	A	25.51	126.07	6.00	25.00	0.00	0.50
3	A	32.84	105.15	6.00	96.00	0.00	0.50
4	A	42.22	82.99	6.00	23.00	0.00	0.50
5	A	67.07	103.64	6.00	128.00	0.00	0.50
6	A	53.20	53.22	6.00	27.00	5.00	0.50
7	A	67.90	123.12	6.00	290.00	0.00	0.50
8	A	96.42	120.72	6.00	115.00	0.00	0.50
9	B	107.10	130.75	6.00	200.00	5.00	0.50
10	A	103.86	152.20	6.00	206.00	5.00	0.50
11	B	87.17	174.46	6.00	292.00	5.00	0.50
12	B	66.00	154.65	6.00	23.00	0.00	0.50
13	B	108.75	187.13	6.00	290.00	5.00	0.50
14	B	106.88	106.89	6.00	16.00	5.00	0.50
15	B	125.57	82.40	6.00	110.00	5.00	0.50
16	A	130.98	148.07	6.00	290.00	0.00	0.50
17	A	124.37	161.14	6.00	312.00	0.00	0.50
18	A	138.57	89.32	6.00	50.00	0.00	0.50
19	B	155.97	161.08	6.00	294.00	0.00	0.50
20	A	140.32	193.51	6.00	338.00	5.00	0.50
21	A	163.58	173.47	6.00	204.00	0.00	0.50
22	A	186.82	133.72	6.00	207.00	5.00	0.50
23	B	162.97	135.75	6.00	23.00	0.00	0.50
24	B	176.20	113.24	6.00	25.00	5.00	0.50
25	A	152.89	48.81	6.00	301.00	0.00	0.50
26	A	185.30	68.71	6.00	300.00	0.00	0.50
27	A	172.29	80.69	6.00	39.00	0.00	0.50
28	B	158.48	73.61	6.00	116.00	5.00	0.50
29	B	185.27	89.32	6.00	129.00	5.00	0.50
30	A	210.82	80.31	6.00	212.00	0.00	0.50
31	A	205.01	102.74	6.00	214.00	0.00	0.50
32	A	191.56	87.12	6.00	23.00	0.00	0.50
33	A	159.48	216.49	6.00	342.00	0.00	0.50



Calculation Summary						
Description	E _{av}	E _{min}	E _{max}	E _{av} /E _{min}	E _{av} /E _{max}	E _{min} /E _{av}
Road / Path 1	6.33	1.24	22.23	0.06	0.20	3.51
Road / Path 2	6.49	1.28	22.36	0.06	0.20	3.45
Road / Path 3	6.72	1.32	22.81	0.06	0.20	3.39
Road / Path 4	7.35	1.43	22.43	0.06	0.20	3.09
Road / Path 5	6.33	1.26	22.26	0.06	0.20	3.51

Luminaire Schedule					
Symbol	Type	Lamp(s)	Lamp Flux (klm)	MF	Quantity
●	Veille Metro Streetlight 27w LED Street Optic R03	12, 4000K	3.42	0.76	22
●	Veille Metro Streetlight 27w LED Forward Throw A Optic	12, 4000K	3.41	0.76	11

Legend

●	Luminaire A Column
●	Luminaire B Column
○	Beam Aiming Target
□	Photometric Centre

Veille Metro Streetlight on 6m Pole
By Electrical Contractor

CE
COFFEY CONSULTING
ENGINEERING

100, Westwood Industrial Park, Westwood, Co. Wick
0850040000
0850040000
info@coffeengr.ie
www.coffeengr.ie

Client: Galway County Council
Site: House Development at Chlain na Saeithe, Baile an Chláir Co na Gaillimhe

Builder's Work
Public Lighting Calculations

5236 BLD-102