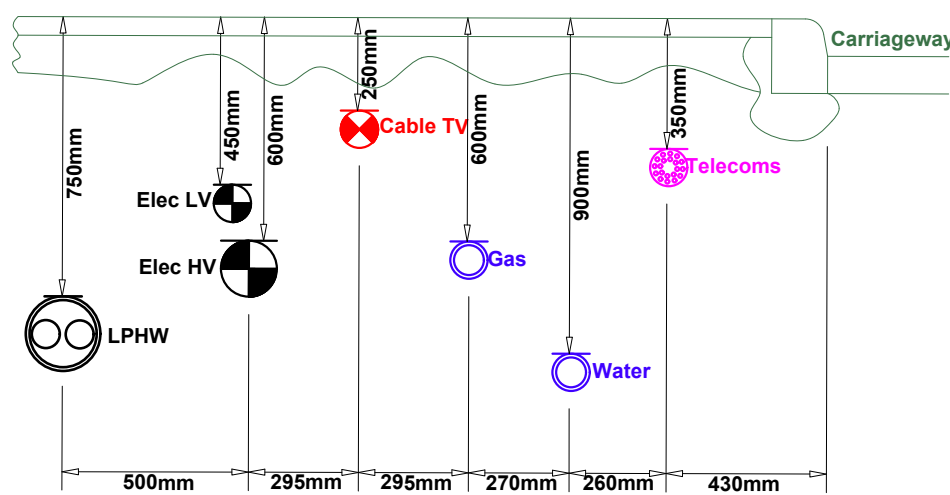


Access Control and Security Legend:

- Access Control Lock - Electric Strike (Moving Keep) or Magnetic Lock (at Head of Door)
- Proximity Reader
- Access Control Panel
- Push Button / Break Glass Door Release / Door Activation Group
- External CCTV Camera (Day / Night, Colour / Monochrome)
- Internal Dome Mounted Camera (Colour)
- 22" LCD TFT SVGA Monitor (with 32 Channel 8 Terabyte High Definition CCTV recorder and DVD writer with POE switch)
- Video Access Control Panel with Screen, Handset (with microphone and speaker) and Door Release Button
- Recessed Video Access Control Panel, Vandal Resistant, Stainless Steel, with Proximity Fob Reader, Flat Call Buttons, Trades Button, Camera Microphone and Speaker
- PIR Detector for Operating Automatic Doors



Utilities Location - 1:20

Caversham Road

GRP SubStation

Pergola

Line Types Legend

- 90mm Duct for BT
- 50mm Duct for BT
- BT Chamber
- 90mm Duct for Future Fibre Services
- 50mm Duct for Future Fibre Services
- Cable Chamber
- 90mm Duct for Cable
- 50mm Duct for Cable
- Cable Chamber
- 100mm Duct for Electric Services
- 150mm Duct for Electric Services
- Electrical Chamber
- 100mm Duct for Data
- 50 Duct for Data
- Data Chamber
- Mains Cold Water Service in Wavin Trigon PE Barrier Pipe
- WRAS / MID Approved Pulse Output Water Meter (line size)

Schedule of Luminaires :

- Dextra Hydra LED surface mounted luminaire with 16.4W, 2452 Lumen LED source, Factory converted to provide 3 hours operation on mains failure. Ref: HYD L26 PC 4S LE3
- Holophane Denver ID wall with Symmetric distribution mounted at 3m with 1000 Lumen LED source (3000K). Ref: DWL.1.LA013.AY.RAL (TBD).TSZ.PIR1
- Holophane Denver ID wall with Symmetric distribution mounted at 3m with 1000 Lumen LED source (3000K). Factory converted to provide 3 hours operation on mains failure. Ref: DWL.1.LA013.AY.RAL (TBD).TSZ.PIR1.EM3
- DETA LED Stainless Steel Wall Light with GU10 LED Source. Ref: GF621
- Holophane Denver ID wall with Symmetric distribution mounted at 3.0m with 3000 Lumen LED source (3000K). Factory converted to provide 3 hours operation on mains failure. Ref: DWL.1.LA033.AY.RAL (TBD).W018.EM3
- Holophane Europe Ltd. Parkpack Surface Mounted Luminaire with 36W, 4000 Lumen LED source (3000K) with square distribution. Ref: PPK.1.LA043.SQW.RAL (TBD)
- Holophane Europe Ltd. Parkpack Surface Mounted Luminaire with 36W, 4000 Lumen LED source (3000K) with square distribution. Factory converted to provide 3 hours operation on mains failure. Ref: PPK.1.LA043.SQW.RAL (TBD)
- Holophane Europe Ltd. Denver ID Bolland Luminaire with 6W, 1000 lumen LED source (3000K). single sided AY distribution. Ref: DBD.1.LA013.SU.NR.LS.C9.W006
- Holophane Denver ID wall with Long & Narrow distribution mounted at 3m with 2000 Lumen LED source (3000K). Ref: DWL.1.LA023.NR.RAL (TBD).TSZ.PIR0.W011
- Holophane Denver ID wall with Symmetric distribution mounted at 3m with 3000 Lumen LED source (3000K). Ref: DWL.1.LA033.FW.RAL (TBD).TSZ.PIR0.W018
- Holophane Denver ID wall with Forward distribution mounted at 3m with 3000 Lumen LED source (3000K). Factory converted to provide 3 hours operation on mains failure. Ref: DWL.1.LA033.FW.RAL (TBD).TSZ.PIR0.EM3.W018

Lighting Legend :

- Light Switch 1 Way
- Light Switch 2 Way
- Light Switch Intermediate
- d=Dimmer Switch, k=Emergency Light Test Switch, n=switch with neon
- Pull Cord Light Switch
- Door Operated Light Switch
- Ceiling Mounted PE Switch to Disable Luminaires when ambient lighting is sufficient
- Ceiling Mounted PIR Switch for Bi-Level Dimming Control
- Combined PIR Light Switch with Photo Cell Override - Soffit Mounted
- Photo Cell - Wall Mounted
- Single Channel Ceiling Mounted Absence Detector
- 10A Triple Pole Fan Switch Unit Engraved To Suit At High Level
- Low Voltage Fan Transformer
- Shaver Socket with Double Wound Transformer (115V/230V)
- Time Clock for External Lighting

Rev	Comment	Date
D	Re-drawn to revised layout	21/02/24
C	Mains cold water intake position adjusted to avoid SVP	29/09/22
B	External lighting and duct routes added	08/07/22
A	Adjusted to match Architects Revisions - PLEASE REVIEW RISER LAYOUTS	23/09/20

Blair Rains M & E • Design Building Services Consultant 12 Waverley Road, Kingsbridge, Devon, TQ7 1EZ Tel: 01548 853424 Email: office@brme.org.uk	Client Radian Group, Collins House Bishopstoke Rd, Eastleigh, SO50 6AD	Drawn Date 05/08/2020
	Scheme 45 Caversham Road Reading, Berkshire, RG1 7BT	Scale 1: 100
	Title External Services Ground Floor	Status Preliminary
		Drawn By RJ
		Checked By RBR
		Drawing No. 20/761/EX01
		Rev. D
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