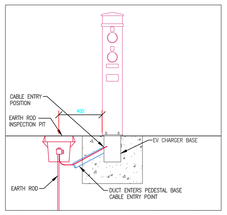
This drawing has been produced based on the following drawings

Source	Drawing Number	Rev
LHA	4690-C-003	A
I&L	23-017-I&L-001 PROPOSED DRAINAGE	C1

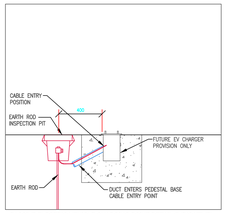
ALWAYS EXERCISE CAUTION WHEN EXCAVATING REFER TO HSE (G) 47 FOR GUIDANCE

NOT FOR CONSTRUCTION. SUBJECT TO UTILITIES AND CIVILS DESIGN, REVIEW AND APPROVAL

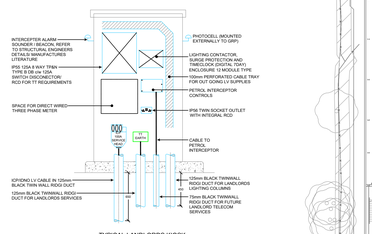
FINAL SETTING OUT BY OTHERS. FOR FINAL LEVELS, SET POINTS, DATUMS AND DIMENSIONS REFER TO SITE SURVEYOR OR CIVILS AND/OR ARCHITECT'S DRAWINGS



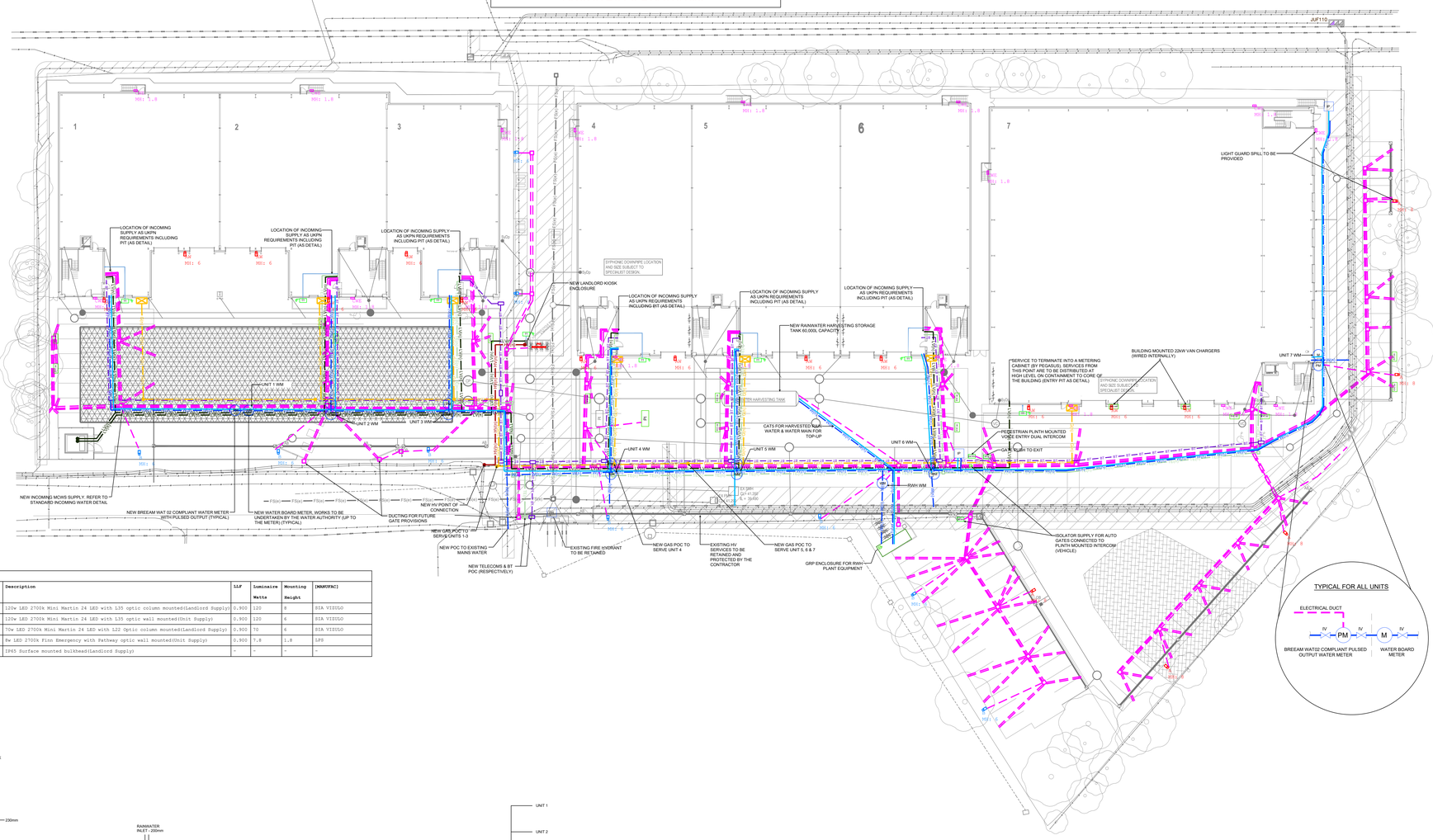
ACTIVE ELECTRIC VEHICLE CHARGING POINT DETAIL (INDICATIVE)



PASSIVE ELECTRIC VEHICLE CHARGING POINT DETAIL (INDICATIVE)



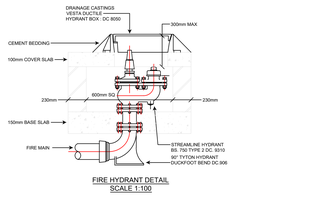
TYPICAL LANDLORDS KIOSK ENCLOSURE SECTION



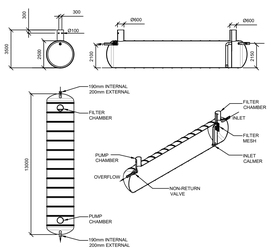
Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire Watts	Mounting Height	[MANUFAC]
	5	A	Single	120w LED 2700k Mini Martin 24 LED with L35 optic column mounted(Landlord Supply)	0.900	120	8	SIA VIDULO
	13	AM	Single	120w LED 2700k Mini Martin 24 LED with L35 optic wall mounted(Unit Supply)	0.900	120	6	SIA VIDULO
	9	B	Single	70w LED 2700k Mini Martin 24 LED with L22 Optic column mounted(Landlord Supply)	0.900	70	6	SIA VIDULO
	18	CWE	Single	8w LED 2700k Finn Emergency with Pathway optic wall mounted(Unit Supply)	0.900	7.8	1.8	LPS
	1	IP65	Single	IP65 Surface mounted bulkhead(Landlord Supply)	-	-	-	-

NOTES:

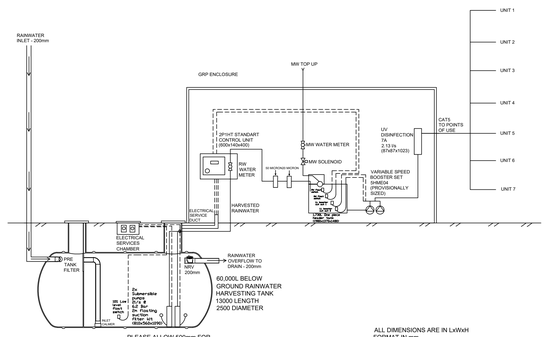
1. DO NOT SCALE FROM THIS DRAWING.
2. THE ACTUAL POSITION AND STATUS OF ANY MAINS AND SERVICES MUST BE VERIFIED AND ESTABLISHED ON SITE. THIS DRAWING IS PROVIDED FOR INFORMATION ONLY.
3. IT MUST BE ASSUMED THAT ANY EXISTING BUILDING IS SERVED WITH LIVE SUPPLIES UNTIL PROVEN OTHERWISE. WRITTEN CONFIRMATION THAT A SUPPLY IS DEAD MUST BE OBTAINED FROM THE RELEVANT UTILITY.
4. CABLES TO STREET LIGHTING, ROAD SIGNS AND ILLUMINATED BOLLARDS ARE NOT SHOWN BUT MUST BE ASSUMED TO EXIST.
5. THE LOCATION OF ANY MAINS AND SERVICES MUST BE UNDERTAKEN BY HAND DUG TRIAL HOLES. THE APPROVAL OF THE APPROPRIATE UTILITY MUST BE SOUGHT BEFORE ANY MECHANICAL PLANT IS USED.
6. UNDERGROUND SERVICES MUST BE LOCATED IN ACCORDANCE WITH HSE GUIDANCE NOTE HS (G) 47.
7. OVERHEAD POWER LINES MUST BE DEALT WITH IN ACCORDANCE WITH HSE GUIDANCE NOTE GS 6 (THIRD EDITION).
8. FOR CLARITY SERVICES ARE REPRESENTED BY SINGLE LINES. THIS DOES NOT INDICATE THE NUMBER OF CABLES, DUCTS AND PIPES THAT MAY EXIST IN THE LOCATIONS INDICATED.
9. MAINS ROUTES AND SERVICES HAVE NOT BEEN CHECKED AGAINST FOUL AND SURFACE WATER DRAINAGE.
10. MAINS AND SERVICES ROUTES ARE INDICATIVE ONLY. THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION.
11. SERVICE ENTRY POINTS ARE INDICATIVE. THIS DRAWING MUST BE CROSS-REFERENCED WITH THE LATEST ARCHITECTS AND BUILDING SERVICES PLANS AND SCHEMATICS.
12. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE RELEVANT CONTRACT DOCUMENTATION.
13. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED. DIMENSIONS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION & ANY DISCREPANCIES REPORTED TO THE ENGINEER.
14. NOT ALL HATCHES & LINETYPES SHOWN ON THE LEGENDS & KEYS MAY BE PRESENT ON THIS DRAWING. DRAWINGS TO BE PRINTED IN COLOUR BY DEFAULT, TYPICAL MATERIAL COLOURS ARE FOR CLARITY ONLY.
15. ALL SERVICES ARE NEW, UNLESS STATED OTHERWISE.
16. FIRE MAIN TO BE PROVIDED TO SUPPLY 75L/S TO ANY OF THE HYDRANTS SHOWN (TO BE PROVIDED BY FIRE MAIN SPECIALIST).
17. PIPEWORK TO BE LAID AS RECOMMENDED BY UTILITY COMPANY & IN CONJUNCTION WITH 'NJUG' (NATIONAL JOINT UTILITIES GROUP) GUIDELINES.
18. MARKER SYSTEMS SHALL BE LAID ABOVE ALL NEW PIPEWORK TO AID IN FUTURE IDENTIFICATION & TRACING.
19. ALL TUBE & FITTINGS SHALL BE INSTALLED FULLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THIS PIPEWORK SYSTEM. ALL JOINTS SHALL BE BUTT-FUSION OR ELECTROFUSION WELDED.
20. WHERE GAS & WATER OR OTHER SERVICES ARE LAID IN A COMMON TRENCH, A MINIMUM OF 600M SEPARATION SHALL BE MAINTAINED AT ALL TIMES.
21. ALL DUCTING AND DRAW PITS FOR BT/OPENREACH SERVICES TO COMPLY WITH BT/OPENREACH STANDARD AND SEGREGATED FROM ALL OTHER SERVICES



FIRE HYDRANT DETAIL
SCALE 1:100



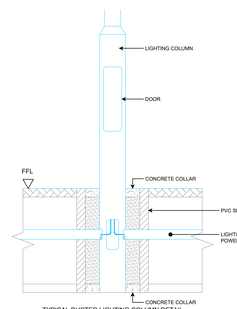
RAINWATER HARVESTING STORAGE TANK - 60 000L DETAIL



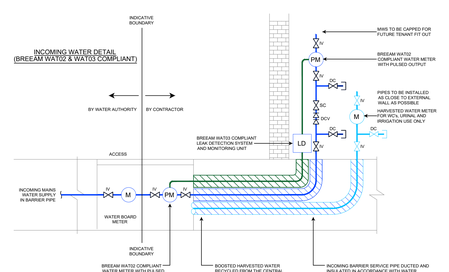
PLEASE ALLOW 500mm FOR ACCESS OF ALL COMPONENTS AND PLEASE ALLOW THE SAME HEIGHT ABOVE THE UV UNIT OF 1023mm SO THE BULB CAN BE REMOVED

ALL DIMENSIONS ARE IN LxWxH FORMAT IN mm
L=LENGTH
W=WIDTH
H=HEIGHT

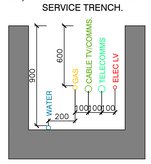
TYPICAL RAINWATER HARVESTING DETAIL (SUBJECT TO CONTRACTORS CDP DESIGN)



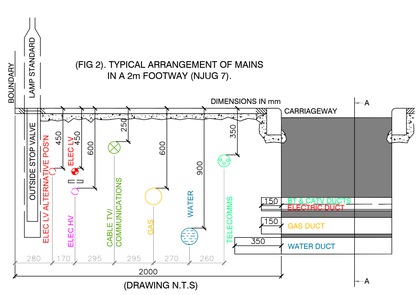
TYPICAL DUCTED LIGHTING COLUMN DETAIL
SCALE: NTS



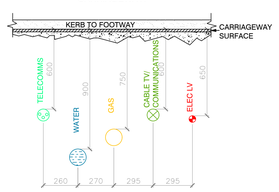
(FIG 1). TYPICAL CROSS SECTION OF A SERVICE TRENCH.

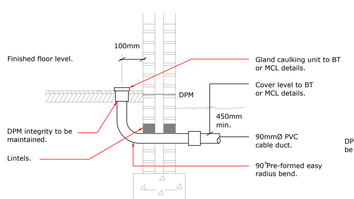


(FIG 2). TYPICAL ARRANGEMENT OF MAINS IN A 2m FOOTWAY (NJUG 7).

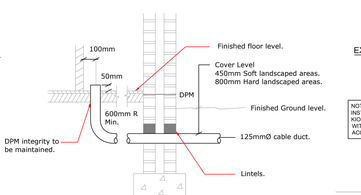


(FIG 3). SECTION A - A, TYPICAL ARRANGEMENT OF MAINS IN A CARRIAGEWAY.

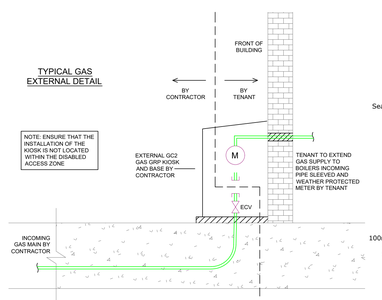


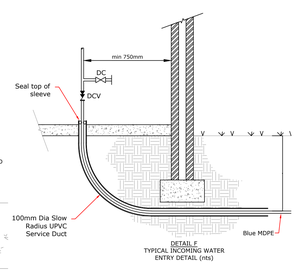


DETAIL C
TYPICAL INCOMING TELEPHONE/FIBRE DUCT ENTRY DETAIL (nts)



DETAIL D
TYPICAL INCOMING ELECTRICAL CABLE DUCT ENTRY DETAIL (nts)





DETAIL E
TYPICAL INCOMING WATER ENTRY DETAIL (nts)



Indicates A Residual Risk As A Warning

The design team have highlighted unusual and significant risks that may not be obvious to a competent contractor. They are to assist with risk reduction only and are not necessarily comprehensive. It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

General Notes

1) The Electrical Services Installation shall comply with BS 7671:2018 Requirements for Electrical Installations, IET Wiring Regulations Eighteenth Edition.
2) The Electrical Services and Fire Alarm System installation shall comply with BS 5839-1:2017 Fire Detection & Fire Alarm systems for buildings - code of practice for system design, installation, commissioning & maintenance.
3) The Electrical Services and Emergency Lighting System installation shall comply with BS 5266-1:2016 Emergency Lighting - Code of Practice for the Emergency Escape Lighting of Premises.
4) Mechanical Services shall comply with all relevant Building Regulations (and approved documents). The Gas Safety (Installation and Use) Regulations 1998, The Water Supply (Water Fittings) Regulations 1999, WRAS Regulations, CIBSE, CIPHE and IGEM guides/codes of practice.

LEGEND

- HV SERVICE ROUTE - EXISTING
- LV SERVICE ROUTE - EXISTING
- WATER MAIN - EXISTING
- SEWAGE - EXISTING
- TELECOMS - EXISTING
- GAS MAIN - EXISTING
- HV SERVICE ROUTE - PROPOSED
- LV SERVICE ROUTE - NEW (UKPN)
- WATER MAIN - PROPOSED
- CATS - PROPOSED
- TELECOMS - PROPOSED
- GAS MAIN - PROPOSED
- CABLE DUCTS (100Ø)
- ELECTRIC VEHICLE CHARGING POINT
- TT EARTH ROD
- IRRIGATION POINT - PROPOSED
- FIRE HYDRANT - PROPOSED
- WATER METER
- PULSED OUTPUT WATER METER

THE CONTRACTOR SHALL MAKE REFERENCE TO THE MECHANICAL & ELECTRICAL SPECIFICATIONS WHEN READING THIS DRAWING.

HYDRANT POSITIONS SHOWN ARE INDICATIVE AT THIS STAGE. QUANTITY AND LOCATION SHALL BE SPECIFIED BY THE LOCAL FIRE AUTHORITY, WATER BOARD AND BUILDING CONTROL.

THE CONTRACTOR SHALL REFER TO THE WATER BOARDS SELF LAY WATER MAINS AND SERVICE PROCEDURE GUIDE FOR THE INSTALLATION OF SERVICE PIPES AND METER BOXES

THE CONTRACTOR SHALL REFER TO THE WATER BOARD & GAS & ELECTRICAL PROVIDERS PLANS & QUOTATIONS FOR FINAL DETAILS

GAS KIOSKS SHALL BE PLINTH MOUNTED AND COORDINATED WITH THE FOUNDATIONS. KIOSKS ARE GENERALLY TO BE GREY IN COLOUR TO MATCH THE CLADDING, AND FINAL APPROVAL SHALL BE BY THE ARCHITECT.

WHERE THERE IS RISK TO KIOSK INSTALLATIONS FROM STRIKES, BOLLARDS SHALL BE PROVIDED

BUILDING MOUNTED LIGHTING FED FROM UNIT LV SUPPLIES

P3	UPDATED TO SUIT LATEST COMMENTS FROM HARMONIX & ARCHITECT	JR	GD	13.11.24
P2	UPDATED TO LATEST PROPOSED LAYOUTS AND ALTERED TO AVOID CLASHES WITH DRAINAGE ROUTES	JR	GD	11.11.24
P1	PRELIMINARY ISSUE	JR	GD	22.10.24
rev.	description	drawn	chkd.	date

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Address: Southwater Business Park Horsham

Title: Site Plan BWIC External Services

Drawing N°: 5720 - MEP - Z07 - 00 - DR - U - 6000

Project N°.	Scale	Revision
5720	1:300@A0	P3

Final Check For Issue (uncontrolled copy unless signed) — Initials — Signature — Date

PRELIMINARY

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