

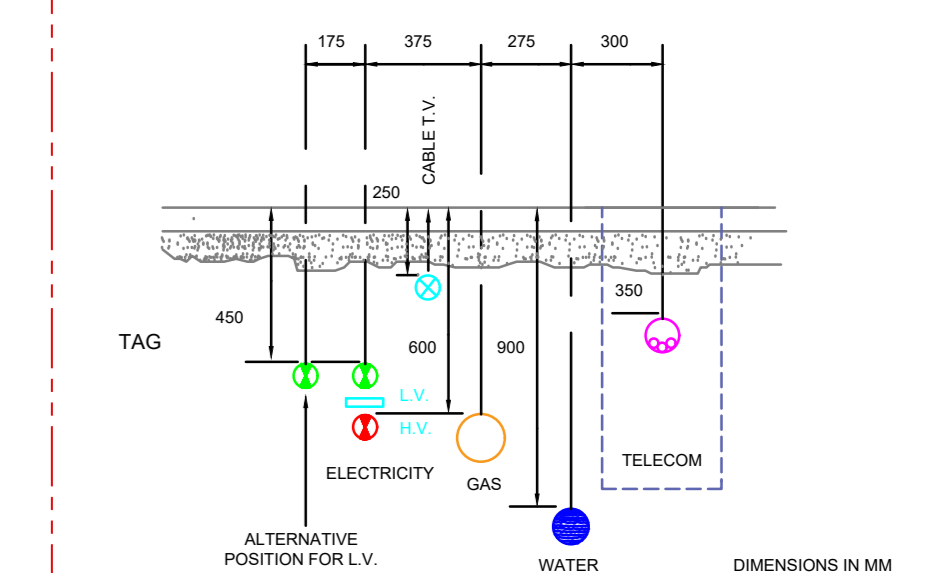
SITE SERVICES NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL & ELECTRICAL SPECIFICATION AND CONTRACT DOCUMENTS.
2. ALL SERVICES SHALL BE COORDINATED WITH THE ARCHITECTURAL LAYOUTS.
3. ALL FIXED BUILDING SERVICES TO BE COMMISSIONED IN ACCORDANCE WITH CIBSE COMMISSIONING CODE M "COMMISSIONING MANAGEMENT" AND PROCEDURES OUTLINE FOR AIR LEAKAGE TESTING OF DUCTWORK IN TECHNICAL BOOKLET.
4. ALL PIPEWORK TO BE LAID IN FOOTPATHS AND SOFT GROUND WHERE POSSIBLE.
5. ALL TRENCHING AND BACKFILLING IDENTIFIED ON DRAWING TO BE PROVIDED BY CONTRACTOR. DETAIL OF TRENCHING AND BACKFILLING REQUIRED FOR PARTICULAR PIPEWORK SPECIFICATION TO BE PROVIDED BY PIPEWORK MANUFACTURER.
6. HAND DIGGING SHALL BE NECESSARY IN ALL HEAVILY SERVICED AREAS AND WHERE DEEMED NECESSARY BY THE COM RISK ASSESSMENTS OF THE CONTRACTOR.
7. NO TRENCHES SHALL BE EXCAVATED UNTIL CABLES/PIPE FOR TRENCHES ARE ON SITE AND READY TO BE INSTALLED.
8. MANHOLES SHALL BE PROVIDED ON ALL ELECTRICAL SERVICES ROUTES AT CHANGES IN DIRECTION AND IMMEDIATELY OUTSIDE EACH BUILDING THE SERVICES ARE ENTERING.
9. THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND REINSTATEMENT WORKS & DRAW IN PITS.
10. ALL ELECTRICAL DUCTS TO BE CW APPROPRIATE DRAW WIRES/ROPE.
11. FOUNDATION STRUCTURE FOR CUBICLE PLINTHS AS PER MANUFACTURERS DETAILS. FOOTPRINT DIMENSIONS & DUCT ENTRY POSITIONS TO BE CONFIRMED BY ELECTRICAL CONTRACTOR.
12. ALL DUCTING ENTERING BUILDINGS SHALL BE VIA EASY-SWEEP BENDS.
13. ALL DUCTS CROSSING ROADWAYS SHALL BE TWIN WALL DUCTS.
14. REFER TO LIGHTING TECHNICAL SUBMITTAL FOR ALL LIGHTING SPECIFICATIONS EXTERNAL.
15. ALL EXTERNAL LIGHTING WILL BE CONTROLLED TO RESTRICT THE HOURS OF ILLUMINATION THROUGH THE USE OF PHOTOCELL AND TIME CLOCK ARRANGEMENTS.

MECHANICAL & ELECTRICAL SYMBOLS	
	SUB-DISTRIBUTION BOARD
	MAIN SWITCHBOARD
	ROAD CROSSING - 110mm PVC AT 1000mm DEPTH WITH CONCRETE ENCLOSURE - WARNING TAPE ALSO PROVIDED.
	HAND-OFF-AUTO EXTERIOR LIGHTING OVERRIDE
	PHOTOCELL
	TIMECLOCK
	INSPECTION CHAMBER (MIN 600mm x 600mm x 1000mm UNLESS STATED OTHERWISE) - PROVIDED BY MAIN CONTRACTOR
	IP65 RATED EXTERNALLY MOUNTED, 1 PHASE & NEUTRAL ISOLATOR (RATING AS INDICATED)
LIGHTING & CCTV SYMBOLS	
	EXTERNAL CIRCULAR LIGHT
	EXTERNAL CIRCULAR LIGHT - CH 3HR EMERGENCY INVERTER
	EXTERNAL LED LIGHT
	EXTERNAL GROUND MOUNTED / RECESSED UPLIGHTER
	COLUMN MOUNTED LANTERN / STREET LIGHT MOUNTED TO SM COLUMN
	COLUMN MOUNTED CCTV (PTZ) CAMERA

TYPICAL UNDERGROUND SERVICES DETAIL

(CONTRACTOR SHALL ENSURE ALL STATUTORY REQUIREMENTS ARE MET WHEN INSTALLING UNDERGROUND SERVICES)



NOTES:

1. THIS LAYOUT IS GENERALLY IN ACCORDANCE WITH THE 'REPORT OF JOINT COMMITTEE ON LOCATION OF UNDERGROUND SERVICES' PUBLISHED BY THE INSTITUTION OF CIVIL ENGINEERS - HOWEVER CONTRACTOR SHALL VERIFY EXACT REQUIREMENT WITH ALL STATUTORY BODIES PRIOR TO INSTALLATION.
2. THE DIMENSIONS SHOWN REPRESENT THE PREFERRED ARRANGEMENT IN STRAIGHT ROUTES. VARIATIONS MAY BE NECESSARY AT CURVES AND CHANGES OF GRADIENT. EXACT ROUTES FOR ALL SERVICES SHALL BE AGREED WITH ALL RELEVANT PARTIES PRIOR TO INSTALLATION.
3. THE SPACE ALLOCATED IS CONSIDERED TO BE THE ABSOLUTE MINIMUM AND IN CERTAIN CIRCUMSTANCES E.G. WHERE BOTH HV AND LV CABLES ARE LAID, THE LV CABLE WILL BE LAID IN THE ALTERNATIVE POSITION AND ADDITIONAL WIDTH MAY BE REQUIRED.
4. A REDUCTION IN ROUTE WIDTH MAY BE ACCEPTABLE WHERE NOT ALL UTILITIES ARE INVOLVED.
5. ABSENCE OF PROTECTIVE COVER BETWEEN HV AND LV CABLE POSITIONS MUST NOT BE REGARDED AS INDICATING THAT NO CABLES ARE PRESENT.



REV	DESCRIPTION	DRN	CHK	DATE	STATUS
ISSUE	FOR CONSTRUCTION				A

Harvey
FIRST CLASS SERVICES

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NATURALLY INNOVATIVE CONSULTING ENGINEERS

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ISO 14001
OHSAS 18001

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PROJECT TITLE
HIGHGATE NEWTOWN COMMUNITY CENTRE

DRAWING TITLE
ELECTRICAL SITE LIGHTING SERVICES

DRAWING REFERENCE
HNC-SMK-ZZ-00-DR-E-4002

DRN
JB

SCALE
A0 1:100