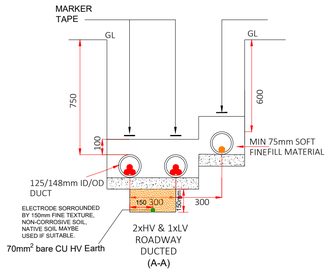


BACKFILL NOTES

BACKFILL SPEC:

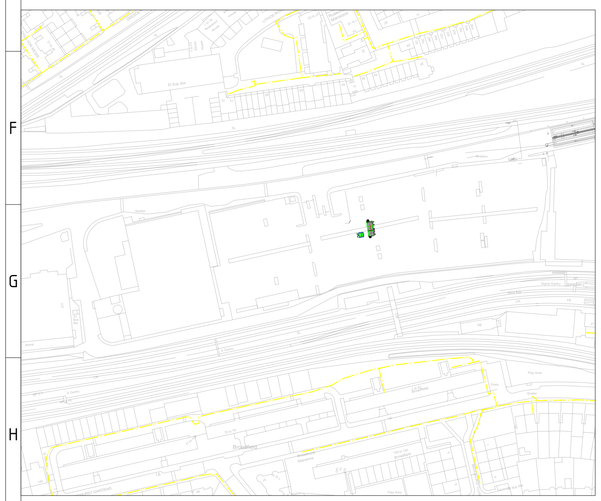
CABLES MAY ONLY BE LAID ON THE BOTTOM OF THE TRENCH WHEN IT IS SMOOTH AND FREE FROM LOOSE OR PROJECTING STONES, RUBBLE, ROCK, ETC. ALL BEDDING LAYERS SHALL BE COMPACTED TO A DEPTH OF 75MM AND SHALL BE INSTALLED COVERING THE FULL WIDTH OF THE TRENCH.

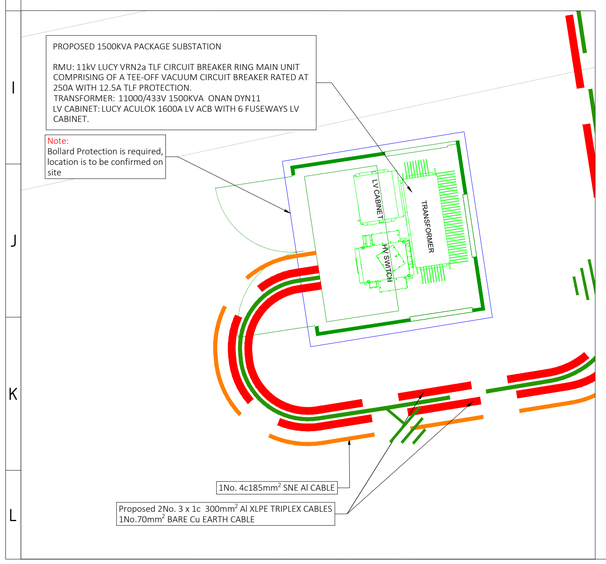
SAND FILLED BAGS SHALL BE USED TO SUPPORT CABLES, JOINTS OR ANCILLARY EQUIPMENT WHEN NECESSARY. ALL ACCUMULATED WATER SHALL BE PUMPED FROM THE EXCAVATION BEFORE BLINDING THE CABLE OR DUCT. FOLLOWING INSTALLATION, ALL CABLES SHALL BE BLINDED TO A COMPACTED DEPTH OF 100MM ABOVE THE CABLE OR CABLE JOINT WITH SOIL TAKEN FROM THE EXCAVATED MATERIAL OR IMPORTED MATERIAL. THE BLINDING SHALL BE FREE FROM MATERIALS THAT MAY DAMAGE THE CABLE.

THE BLINDING MATERIAL MUST BE HAND RAMMED OVER AND AROUND THE CABLES. MECHANICAL RAMMERS MUST **NOT** BE USED FOR THIS PURPOSE.

NOTES

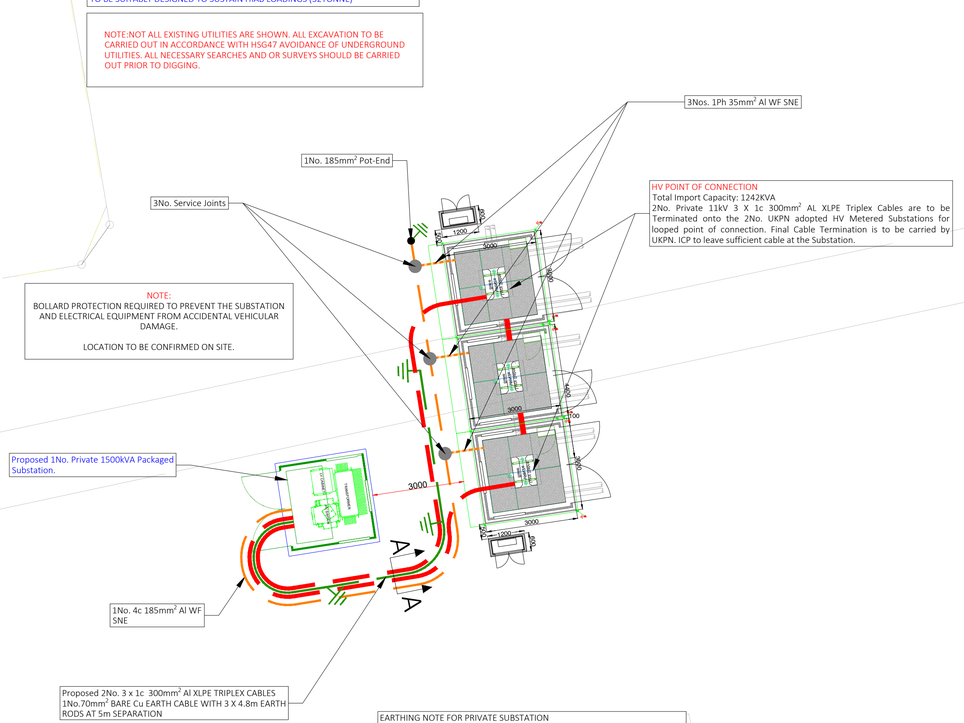
CABLE TYPE	MAXIMUM PULLING TENSION	MINIMUM DUCT INTERNAL DIAMETER	MINIMUM BENDING RADII (mm)
LV 1Ph Al 35mm²	Manual	38mm	Manual
LV 3Ph Al 185mm²	7000N	125mm	700
HV 3 x 1c 300mm²	26487N	125mm	1240





HARD STANDING ACCESS TO SUBSTATION MADE CLEAR AND LEVEL. ACCESS ROAD TO BE SUITABLY DESIGNED TO SUSTAIN HIAB LOADINGS (32TONNE)

NOTE:NOT ALL EXISTING UTILITIES ARE SHOWN. ALL EXCAVATION TO BE CARRIED OUT IN ACCORDANCE WITH HSG47 AVOIDANCE OF UNDERGROUND UTILITIES. ALL NECESSARY SEARCHES AND OR SURVEYS SHOULD BE CARRIED OUT PRIOR TO DIGGING.



EARTHING NOTE FOR PRIVATE SUBSTATION

ITU CLASSIFICATION: COLD
EPR CLASSICIATION: LOW EPR
HV/LV LINK: COMBINED
TARGET RESISTANCE PRIOR TO CONNECTION: 3.16Ω

HV RADIAL TO BE INSTALLED FOR 15m WITH 3 X 4.8m EARTH RODS EVERY 5m.

GENERAL
1. THIS DRAWING IS FOR PLANNING PURPOSES. CONSULT ALL UTILITY PLANS BEFORE ANY EXCAVATIONS.

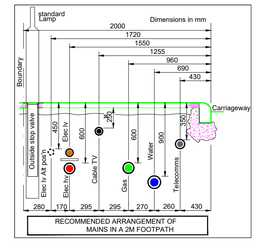
2. THIS DRAWING DOES NOT INTEND TO IDENTIFY THE EXACT POSITION OF THE EXISTING APPARATUS, LOCATION OF THE EXISTING APPARATUS MUST IN ALL CASES BE IDENTIFIED BY CONSULTING THE RELEVANT NETWORK OWNERS IN THE AREA.

PROPOSED MAINS
1. ROAD CROSSINGS TO BE IN DUCT PROVIDED BY THE DEVELOPER. LAID AS PER THE SPECIFIC SECTION DETAILS FOR THE JOB.

PROPOSED SERVICES
1. ALL SERVICES TO BE DUCTED.
- 38mm DUCT TO BE UTILIZED FOR SINGLE PHASE SERVICES. DUCT TO BE LAID BY THE DEVELOPER AT 450mm COVER TO THE FINISHED LEVEL.
- 50mm DUCT TO BE UTILIZED FOR THREE PHASE SERVICES. DUCT TO BE LAID BY THE DEVELOPER AT 450mm COVER TO THE FINISHED LEVEL.
- 100mm DUCT TO BE UTILIZED FOR SINGLE PHASE OR THREE PHASE SERVICE ROAD CROSSING. DUCT TO BE LAID BY THE DEVELOPER AT 600mm COVER TO THE FINISHED LEVEL.

2. IT IS RESPONSIBILITY OF THE DEVELOPER TO ENSURE THAT ALL SERVICE ROUTES ARE WITHIN THE DEMISE OF THE PROPERTY BEING SUPPLIED AND THE LOCATION OF ALL DUCTS ARE CLEARLY MARKED.

3. ALL SERVICES ROAD CROSSINGS TO BE SEPARATELY DUCTED WITH THEIR POSITIONS CLEARLY MARKED.



LEGEND

- 11kV EXISTING CABLE
- 11kV PROPOSED CABLE
- 6.6kV EXISTING CABLE
- 6.6kV PROPOSED CABLE
- LV EXISTING CABLE
- LV PROPOSED CABLE
- HV PROPOSED EARTH CABLE
- LV PROPOSED EARTH CABLE
- LV PROPOSED DUCTED SERVICE
- EXISTING WATER MAIN
- EXISTING LP GAS MAIN
- EXISTING MP GAS MAIN
- EXISTING IP GAS MAIN
- EXISTING HP GAS MAIN
- LV SERVICE JOINT
- LV MAIN JOINT
- 11kV JOINT
- BOTTLE END & EARTH ROD

HAZARD LEGEND

- 01 HV CABLE CROSSING
- 02 LP GAS MAIN CROSSING

REV	DESCRIPTION	BY	DATE
P5	PRIV. SUB LOCATION AND CABLES ROUTE UPDATED	AT	21/01/2025
P4	SUB LOCATION AND CABLES UPDATED	AT	16/01/2025
P3	EARTHING ARRANGEMENT UPDATED	SJ	13/01/2025
P2	DWG UPDATED TBS SUB	AT	21/11/2024
P1	FIRST DRAFT	AT	13/11/2024

STATUS: DRAFT

DELTA HV POWER SERVICES

PROJECT
02 FINCHLEY ROAD
LONDON
NW3 6LU

DRAWING TITLE
ELECTRIC CONSTRUCTION PLAN

SCALE	DRAWN	CHECKED	APPROVED
1:100	AT	YG	

DRAWING NUMBER: DHV_ICP3136-FINC-30000
REV: P5