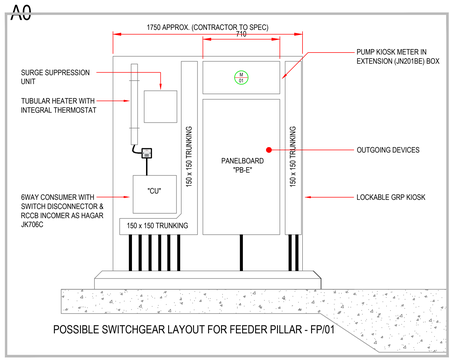
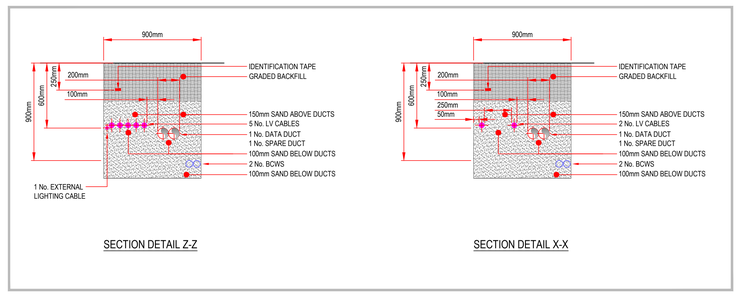
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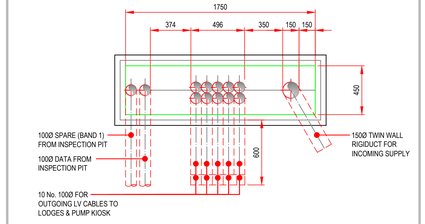
POSSIBLE SWITCHGEAR LAYOUT FOR FEEDER PILLAR - FP/01



SECTION DETAIL Z-Z

SECTION DETAIL X-X

SIZES OF BASE & GRP KIOSK FOR SWITCHGEAR ARE ONLY APPROXIMATE CONTRACTOR TO LAY OUT SWITCHGEAR AND SIZE GRP KIOSK & BASE ACCORDINGLY



DETAIL Y

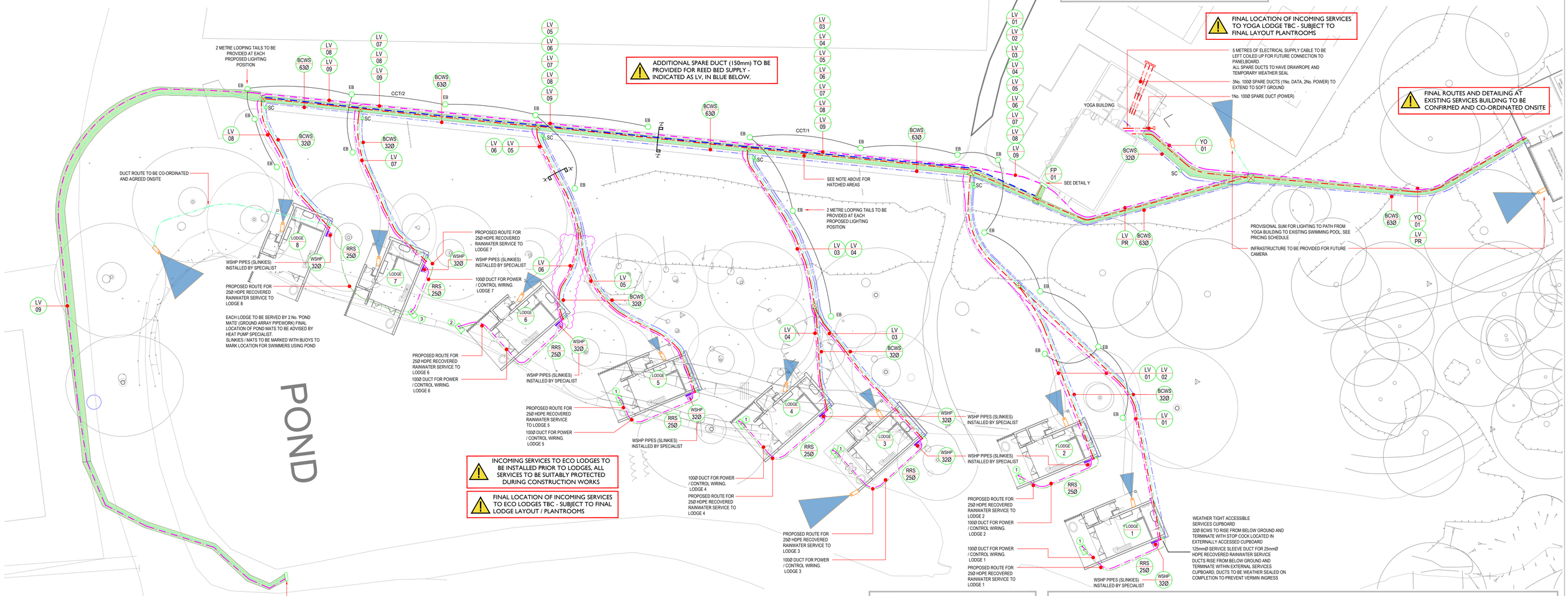
SCHEDULE OF ELECTRICAL UNDERGROUND SERVICES

	FROM	TO
YO 01	SERVICES BUILDING	YOGA PLANTROOM
LV PR	SERVICES BUILDING	FEEDER PILLAR FP/01
LV 01	FEEDER PILLAR FP/01	LODGE 1
LV 02	FEEDER PILLAR FP/01	LODGE 2
LV 03	FEEDER PILLAR FP/01	LODGE 3
LV 04	FEEDER PILLAR FP/01	LODGE 4
LV 05	FEEDER PILLAR FP/01	LODGE 5
LV 06	FEEDER PILLAR FP/01	LODGE 6
LV 07	FEEDER PILLAR FP/01	LODGE 7
LV 08	FEEDER PILLAR FP/01	LODGE 8
LV 09	FEEDER PILLAR FP/01	TO PUMP KIOSK PK/01

FOR CABLE SIZES SEE 22045-DGE-XX-XX-DR-E-6701

L E G E N D

- DATA DATA DATA — 100Ø DUCTING FOR DATA CABLES
- LV LV — ELECTRICAL SERVICE
- SPARE SPARE — 100Ø DUCTING (BAND 1)
- BCWS BCWS — BOOSTED COLD WATER SERVICE
- RWP RWP — RECOVERED RAINWATER SERVICE
- DRAW PIT
- SC — STOP COCK CHAMBER
- HATCHED AREA, INDICATING COMPLETED ENABLING WORKS



S C H E D U L E O F N O T E S :

1. 1650L x 1250w x 655h (1000 LITRES) RAINWATER HARVESTING TANK LOCATED ABOVE GROUND LEVEL & BELOW DECKING PLATFORM OF LODGES 1,2,3,4 & 5. ACCESS TO BE PROVIDED TO TOP OF TANKS VIA ACCESS COVER IN DECKING.
2. 1650L x 1250w x 655h (1000 LITRES) RAINWATER HARVESTING TANK LOCATED TO SIDE OF LODGE 6
3. 1650L x 1250w x 655h (1000 LITRES) RAINWATER HARVESTING TANK LOCATED TO SIDE OF LODGE 7, THIS TANK SERVES LODGES 7 & 8

FINAL POSITION OF RAINWATER HARVESTING TANKS TO BE AGREED ON SITE.
TANKS TO BE SUPPORTED ON SUITABLE PLINTHS AS AGREED BY STRUCTURAL ENGINEER TO PREVENT TANK FROM SINKING INTO GROUND.

SCHEDULE OF RECOVERED RAINWATER SERVICES

RRS 25Ø	BURIED RECLAIMED RAINWATER DISTRIBUTION PIPEWORK TO BE 25Ø HDPE WITH 4 GREEN STRIPES & IMPRINTED WITH TEXT 'RAINWATER' FOR IDENTIFICATION TO COMPLY WITH WRAS REQUIREMENTS.

S C H E D U L E O F W S H P S E R V I C E S

WSHP 32Ø	BURIED WATER SOURCE HEAT PUMP PIPES (SLINKIES) TO BE INSTALLED BY SPECIALIST CONTRACTOR & FULLY CO-ORDINATED WITH OTHER SERVICVES

NOTES:

GENERAL
All on-site trenches shall be excavated and backfilled with clean material by the groundworks contractor to the satisfaction of the C.A.

Trenches shall be excavated to allow for a sand bed layer of 50mm thickness unless otherwise indicated.

Where ducts are within building Structure or below highways etc. the depth and location shall be confirmed by the Structural Engineer regarding construction suitability.

All services below highways or concrete hard standing shall be installed within twin walled rigiducts

All information illustrated on this drawing is indicative & the Contractor shall ensure that existing site services are located by C.A.T. scan or other methods as appropriate, so as to enable any live supply serving adjacent properties to be maintained.

All necessary trial holes excavated to locate private site services shall be dug by hand and the results recorded on existing site services drawing.

Where excavating in the vicinity of live site services appropriate Health & Safety requirements shall be applied at all times.

Final position of rainwater harvesting tanks to be agreed on site. Tanks to be supported on suitable plinth as agreed by structural engineer to prevent tank from sinking into ground.

NOTES:

Where excavating close to Statutory Authority supplies the Authorities Health & Safety requirements shall be applied. contractor to verify & adhere to any wayleaves which might be in place.

Existing live services that are to be made redundant shall be terminated by the relevant Authority and recorded on the existing site services drawing.

The Contractor shall meet with each statutory body and co-ordinate the termination/diversion of services and advise the services Consultant of the proposed works to be carried out.

Notices required to complete termination/diversion of works shall be identified by the Contractor and confirmed with an instruction from the services Consultant.

Not all private existing site services may be indicated on this drawing. The Contractor shall ensure Health & Safety measures are applied when locating on site services.

This drawing shall be read in conjunction with Statutory Authority drawings, Delta Green scope of works and nes specification.

Access points for ducting shall be detailed by the Structural Engineer in conjunction with the Architect

GENERAL ELECTRICAL DUCTS
All on-site electrical ducts shall be twin walled Rigiducts (Orange colour) laid to the routes indicated on the drawing & size of ducts will be as shown & sealed.

ELECTRICAL MAINS
The ground work Contractor shall install ductwork for all electrical mains in the positions shown on the drawings. All electrical ducts & road crossing ducts shall be twin walled Rigiducts installed at a minimum depth of 600mm below finished ground level (BFGL)

Drawpits will be constructed from engineering brick by the groundwork Contractor in the position & size as shown on the drawing, all construction details are to be advised by the Structural Engineer. Dimensions of the draw pits are nominal & may be adjusted slightly to accommodate standard cit covers. Excavation & backfilling of ducting shall be undertaken by ground work contractor to the Structural Engineers specification.

CABLES INSTALLED IN SOFT GROUND
Where on-site cables are installed direct in ground they shall be laid in trenches excavated & backfilled by the contractor. The trenches shall be 700mm deep, with the cable laid on a 100mm bed of sand & covered with a further 150mm layer of sand. Cable warning / identification tape shall be placed on the sand covering the full length of the cable run.

WATER MAINS
The Groundwork contractor shall install site water services as indicated on the drawing, to the satisfaction of the water authority.
all buried water services shall be installed using medium density polyethylene pipes (MDPE) to BS 6572 complete with aluminum inner barrier layer, laid with a minimum cover of 900mm & metal trace marker tape to be installed over the full length of pipework run (identifiable from ground level). the on-site mains shall be subjected to a pressure test of 10 bar prior to backfilling commencing and shall be witnessed by the C.A. a final test shall be carried out on completion. a chlorination injection tee shall be provided on the water mains at the connection point to the supply pipe. chlorination will be the responsibility of the contractor.
Buried reclaimed rainwater distribution pipework to be HDPE with 4 green stripes & imprinted with text 'RAINWATER' for identification to comply with WRAS requirements.

Rev.	Date	Revision Notes
C05	11.07.2024	CONTRACT ISSUE - REVISED AS CLOUDED
C04	16.02.2024	CONTRACT ISSUE - REVISED AS CLOUDED
C03	05.02.2024	CONTRACT ISSUE - REVISED AS CLOUDED
C02	20.09.2023	CONTRACT ISSUE
C01	08.09.2023	CONTRACT ISSUE

'Copyright:'
This drawing is copyright and may not be altered, reproduced or used other than for the Contract Works for which it is issued without the written permission of Delta Green (DG).

This drawing represents DG design intent only.

'Related Documents'
This drawing must be read in conjunction with the DG specification & schedules & relevant Architectural, Structural & Specialist Drawings & specification(s).

Any discrepancy in or between the drawings, specifications & schedules must be brought to the attention of the Engineer prior to undertaking any works.

All other services shown are purely indicative & must be verified & coordinated by qualified parties prior to the commencement of any work on site.

All dimensions shown are in millimetres & do not take into account applied finishes unless specifically indicated otherwise. Only figured dimensions to be followed. Do not scale.
For setting out information refer to the Architectural drawings. Do not set out from this drawing.

The Contractor shall submit coordinated working drawings for approval (based on site dimensions) prior to commencement of any site works or placing of any orders & or manufacture of any fittings, fixtures & components shown. The Contractor shall only work from coordinated & approved working drawings.

All materials shall be approved by the Engineer / Architect prior to undertaking any works.

'Uncontrolled'
Please note that this document, once issued, is effectively 'uncontrolled' and as such the reader should verify that this is the latest revision.

Notes:
1. For symbols + abbreviations refer to drawings 22045-DGE-XX-XX-DR-E-6001 & 22045-DGE-XX-XX-DR-M-5001
2. Drawing to be read in conjunction with Focus Group CCTV Spec.

Client/Contractor: SOUTH LODGE

Project:
PROPOSED ECO LODGES & YOGA ROOM
SOUTH LODGE HOTEL
RH13 6PS
SUSSEX

Delta Green environmental design

Drawing Title:
SITE SERVICES
(MAIN WORKS)

DEC. 2022	1:200	SB-VS-SRS	JwP-BC
CONTRACT			A0
Drawing Number: 22045-DGE-XX-00-DR-MEP-7302		D3	Rev. C05