

Services

PFS Electrics

All incoming/outgoing site electrical services other than mains power cable are to be terminated in the external shuttered pit adjacent to the electrical distribution panel, ducts to be laid with falls away from building.

All cables are to enter the PFS building at a high level min. 1m above ground level.

Both the entry & exit ducts are to be sealed with a 'CSD Water & Gas Tight Sealing System', exposed cables are then to be protected against accidental impact, vandalism or climate degradation with a protective shroud to allow natural ventilation.

Shroud to be supplied and fitted by Contractor, colour to match elevations.

Electrical Drawings

Draw pit chambers generally to be 600x600mm 215mm class B engineering brickwork chambers or preformed polyethylene access chambers by 'IDS' or similar on 150mm thick 25N/mm insitu concrete base to manufactures and Engineers details.

Cover and frame to suit location, although all trafficked areas are to receive a min. class load rating of D400.

Ductile Iron Cover painted black upon completion. Upon completion of all works by all parties Contractor to allow for sealing all duct ends with HepDuct or similar approved sealant.

All earthing is subject to confirmation by Electrical Contractor and is subject to the conductivity of the ground.

Ducting

All ducting to be UPVC HepDuct or similar with 'nitrile rubber' waterproof sleeve couplings.

Include for all bends, junctions etc. together with continuous nylon draw rope to individual ducts with min. 6kN breaking load.

Duct network to be min. 750mm below finished levels (deeper where required to forecourt area) set with min 100mm thick compacted granular bed & surround with Terram lining as applicable.

Allow for all excavations to form trenches including any earthwork support and cart away.

Following duct and surround installation allow for backfilling with imported 19mm> graded & crushed stone in compacted layers as site fill.

Include for termination of ducts to dispenser drip trays including 90° bends.

All termination's to Building slab as specific details.

Upon completion of the works Contractor to ensure draw ropes are placed throughout the development.

Existing Power Supply

To be retained

Supply and install new ET6 GRP Cabinet on concrete base

- Install 1No 150mmØ incoming power duct from Meter Cabinet to termination point within building

New Feeder Pillar Power Supply

Supply and install new ET14 GRP Feeder Pillar Cabinet on concrete base

- HV cable route shown as UK Power Networks drawing numbered: ICP107241-01 Site Plan

- Earthing as UK Power Networks design

Electric Vehicle Charging - New power supply from Feeder Pillar to feed 4No Tesla EVC specialist to confirm power requirements.

- Install 2No 150mmØ & 1No 50mmØ ducts from Feeder pillar to New Tesla Supercharger Cabinet

- EV Emergency cut out within shop - Install 2No 100mmØ duct from Feeder Pillar back to shop.

Install New 1No Tesla V3.5 Supercharger Cabinet - to feed 4No Tesla Supercharger Posts and

- from Control Panel to Tesla Supercharger post, install 1x 75mmØ duct & 1x125mmØ duct to each charge post.

Please Note:

- Installation to be in accordance with Tesla V3.5 Supercharger Cabinet - Data Sheet

- Installation to be in accordance with Tesla V4 Supercharger Post - Data Sheet

Incoming Telephones

Telephones

New incoming telecommunication assumed from highway footpath

- Install 1 No. 90mm diameter incoming telephone duct to be taken direct to building termination point, exact location TBC by Client.

All ducting and materials utilized to incoming services are to be obtained direct from relevant statutory body including all ducting, rest bends, termination's etc. and gas seals.

Earthing

Min. 2 No. 300x300x600mm deep TT earthing pits min. 4m apart from building.

Number and location to be confirmed by Electrician.

2 No. SR earth pit for tanks / OSF & Vents location to be confirmed by Electrician.

Supply and fix cover and frame for identification by appointed Electrician.

Min. 3 No. 300x300x600mm deep TT earthing pits min. 4m apart for New Feeder Panel and EV.

Number and location to be confirmed by Electrician.

Water Supply

New incoming water supply assumed from highway footpath

Supply

Install 1 No. 32mmØ Water Main within 100mm diameter duct from agreed connection point to be brought into termination position within shop.

All water pipework to be installed in Barrier pipework, Size of incoming main and location of termination to be confirmed by Client.

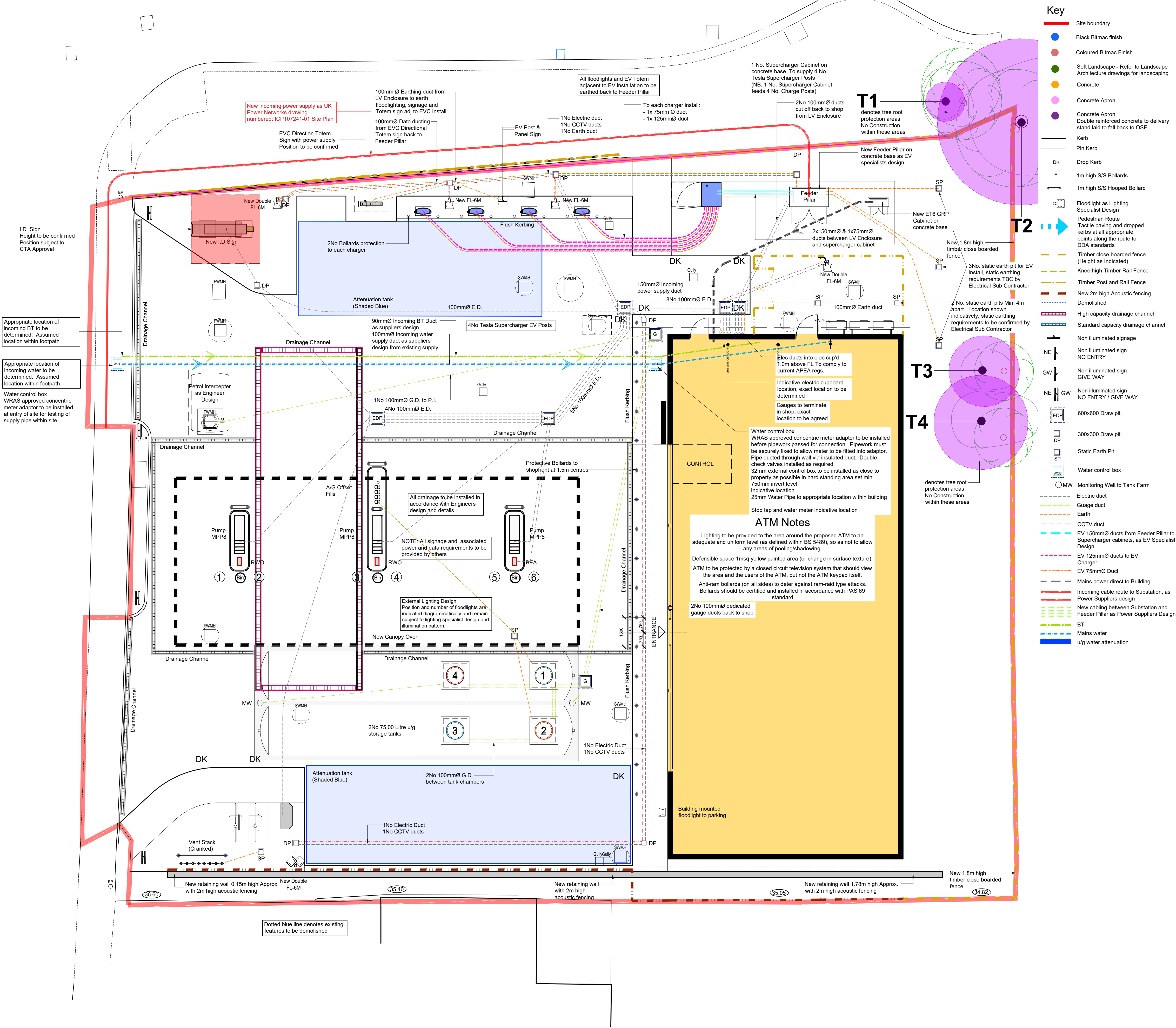
Install Water Chambers at site boundary and adjacent to Building Entry

Route of incoming water as Water suppliers design

Floodlights

Position and number of floodlights are indicated diagrammatically and remain subject to lighting specialist design and illumination pattern.

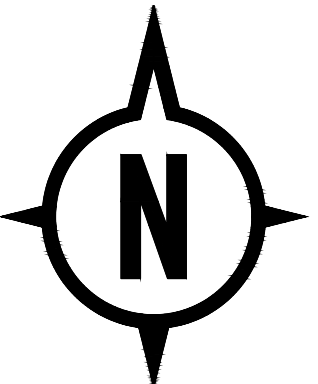
All lighting to be LED and to be located outside of any Hazardous Areas.



Key

- Site boundary
- Black Bitmac finish
- Coloured Bitmac Finish
- Soft Landscape - Refer to Landscape Architecture drawings for landscaping
- Concrete
- Concrete Apron
- Concrete Apron to delivery stand laid to fall back to OSP
- Kerb
- Pin Kerb
- Drop Kerb
- 1m high S/S Bollards
- 1m high S/S Hooped Bollard
- Floodlight as Lighting Specialist Design
- Pedestrian Route
- Tactile paving and dropped kerbs at all appropriate points along the route to DDA standards
- Timber close boarded fence (Height as Indicated)
- Knee high Timber Rail Fence
- Timber Post and Rail Fence
- New 2m high Acoustic fencing
- Demolished
- High capacity drainage channel
- Standard capacity drainage channel
- Non illuminated signage
- Non illuminated sign NO ENTRY
- Non illuminated sign GIVE WAY
- Non illuminated sign NO ENTRY / GIVE WAY
- 600x600 Draw pit
- 300x300 Draw pit
- Static Earth Pit
- Water control box
- Monitoring Well to Tank Farm
- Electric duct
- Gauge duct
- Earth
- CCTV duct
- EV 150mmØ ducts from Feeder Pillar to Supercharger cabinets, as EV Specialist Design
- EV 125mmØ ducts to EV Charger
- EV 75mmØ Duct
- Mains power direct to Building
- Incoming cable route to Substation, as Power Suppliers design
- New cabling between Substation and Feeder Pillar as Power Suppliers Design
- BT
- Mains water
- u/g water attenuation

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Note:

ADS-Design General Arrangement drawing to be read in conjunction with detailed drawings from Starbucks, outlining their positions for such things as signs, additional white lining, coloured hatching, bollards, street furniture, bins, barriers, cigarette towers, induction loops, speaker posts etc.

Appropriate positions of electrical ducting and draw pits to items that require electrical supply to be decided on site and agreed with Eurogarage's project manager and to be marked on plan and supplied to Architect for production of As-built drawings.

Position of all incoming services shown indicatively. Refer to plans from relevant suppliers for detailed information

Refer to Specialist information for Road Sign requirements

Refer to Landscape Architects drawings for landscaping

Position of ID sign to be determined by Client. Allow for electric supply in chosen location

Refer to Engineers drawings for ALL drainage and levels information.

Drawing References

Refer to drawings:-

- 2298-15 Site Layout & Notes
- 2298-16 GA
- 2298-17 Fuel Services Layout
- 2298-18 Services Layout
- 2298-19 Finishes Layout
- 2298-20 Hazardous Zone Layout
- 2298-21 Pump to Tank

A 07.07.26
AMENDMENTS INCLUDE:
- EV EQUIPMENT
REPOSITIONED TO SUIT UK
POWER NETWORKS SUPPLY
- EV U/G SERVICES AMENDED
TO SUIT

REVISIONS

CLIENT EG ON THE MOVE

PROJECT BROOMFIELD S/S
MAIN ROAD
CM1 7DH

TITLE SERVICES LAYOUT

DATE 22.05.26

SCALE 1:100 @ A1

JOB ID 2298

DWG 18a

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