The SNR team has identified the requirment to upgrade the network by way of added feeder and cut/splice mains transfers due to future load growth

Emersons Green Lane SS what3words: fuzzy.above.stick

Sarum Close Emersons SS what3words: walks.grew.belt

Please see 5444885LVSCH for diagramatical illustration of feeder arrangements following construction

Customers in Grey Shaded area and selected with red dots to be transferred onto Feeder 41 of Emersons Green Lane 11/4009 on CROWN & POF system

Customers in Grey Shaded area and selected with red dots to be transferred onto Feeder 41 of Emersons Green Lane 11/4009 on CROWN & POF system

Site is COLD & LOW EPR Combined LV & HV Earth Earth study shows 40m of 70mm CU electrode required to get reading down below maximum 20 ohm - install in same trench as 2 x LV - Highlighted Yellow Cost for Extra width applied under BC54

Upgrade 500kVA Package Substation with 1000kVA. Bolt on 7 way pillar and RMU. to existing C Plinth and GRP Pick up existing 4 x feeders 2 x new feeder (FDR 51 & 71) 1 x spare - All tails to be 300AWC

Install new 4 way LDB 300AWC tails with OP on FDR 11 Linkway from 11/4009

Proposed FDR 71 (11/4009)

Please see plan 5444885GEOPLAN2 for cable lay to 11/4153 Sarum Close Emersons This side of Cut Line

Proposed 300AWC from Sarum Close Emersons 11/4153

Change 1960 Pole to 9.5m Stout Terminal with Type 2 Stay Stay Angle 33.0 Deg Spread (to block) 6.17m Strut Load 5609kgf

Upgrade to 120ABC

Change 1996 Pole to 10m medium Angle with Type 1 Stay Stay Angle 20.10 Deg Spread (to block) 3.66m Strut Load 4793kgf

Upgrade to 120ABC

Change 1960 Pole to 10m SjtoutTerminal with Type 1 Stay Stay Angle 31.38 Deg Spread (to block) 6.1m Strut Load 5609kgf

REV.	DATE	SCHEME PROGRESS BLOCK	DRN	CHK'D
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

nationalgrid Electricity Distribution

TITLE
- (SNR) LV-114009, Emersons Green
- Emersons Green
- Bristol BS16 7DA

DEVELOPER. NGED
BUILDER.
ARCHITECT Drg. No.
O.S. MAP.
SCALE 1:500 @ A0
PARISH.
11kV DIAG.
LV. DIAG.
PLAN No. 5444885GEOPLAN
Enq No. 5444885 of

UNDERGROUND CABLES: 132KV, 33KV, 11KV, L.V., SERVICE, STREET LTG., HV EARTH, LV EARTH, EARTH ELECTRODE
OVERHEAD LINES: 132KV, 33KV, 11KV, L.V., SERVICE, STREET LTG.
SERVICES CABLE RUES AS SHOWN
PYLON, POLE, STAY
DUCT & ALKATHENE TUBE
HOUSE METER POSITIONS - EXTERNAL, INTERNAL
SURF TELECONS
PILOT CABLES
PROPOSALS, ALTERATIONS, DEMANTLED
TRAFFIC SENSITIVE AREA YES/NO

X - 366477.837,176614.348

PLEASE NOTE: This plan ONLY shows assets owned by National Grid Electricity Distribution (NGED).
Electricity assets owned by National Grid Electricity Transmission (NGET) and ENO's (Independent Network Operators)
MAY be present in this area.
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