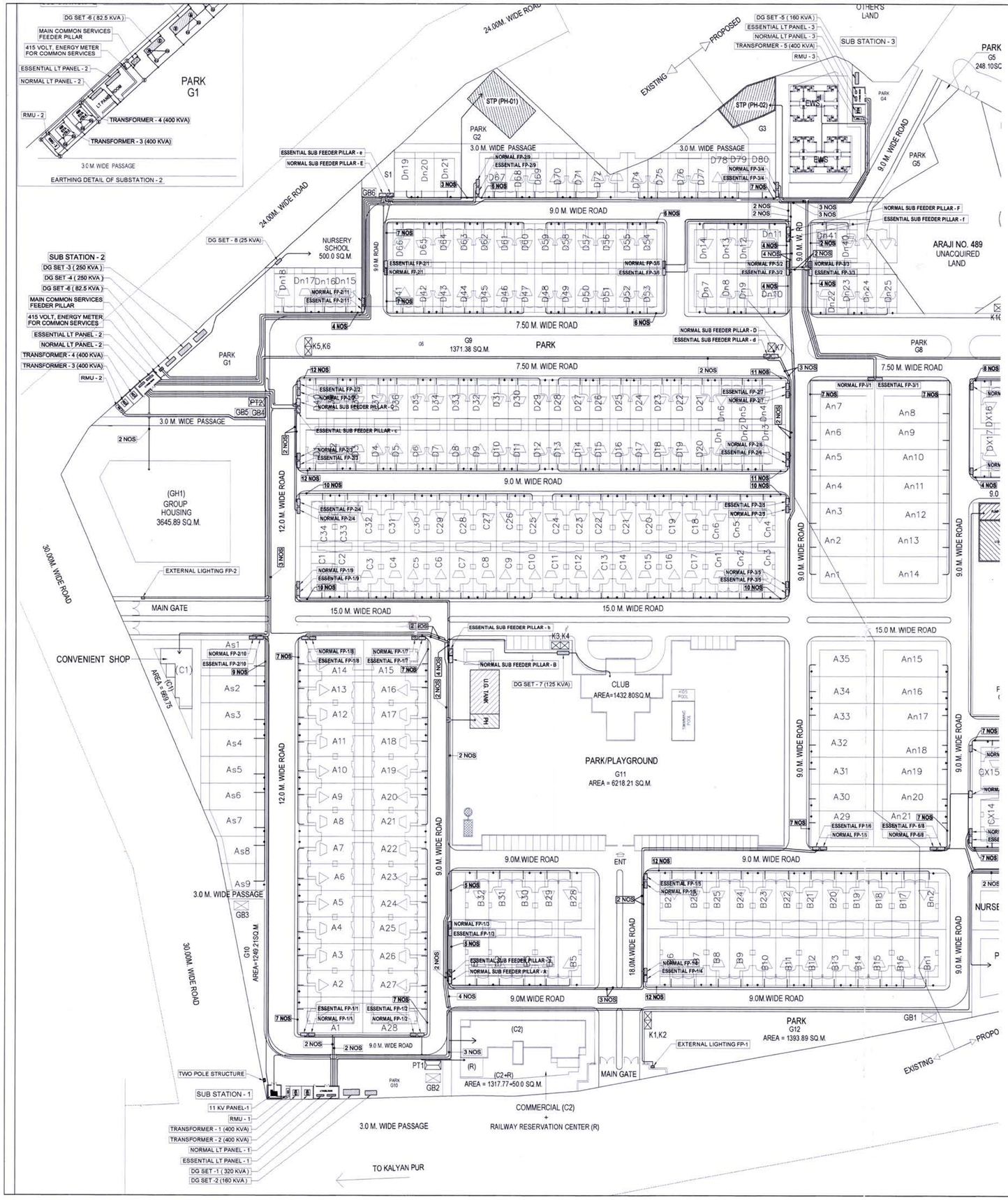

LEGEND : (ELECTRICAL SYSTEM)

S. No.	SYMBOL	DESCRIPTION
1.		NORMAL FEEDER PILLAR
2.		ESSENTIAL FEEDER PILLAR
3.		EXTERNAL LIGHTING FEEDER PILLAR
4.		3 CORE 185 SQ. MM 11 KV XLPE INSULATED ARMOURED ALUMINIUM CABLE
5.		L.T. XLPE INSULATED ARMOURED ALUMINIUM POWER CABLE (FROM NORMAL LT PANEL TO NORMAL SUB FEEDER PILLAR / COMMON FACILITIES)
6.		L.T. XLPE INSULATED ARMOURED ALUMINIUM POWER CABLE (FROM ESSENTIAL LT PANEL TO ESSENTIAL SUB FEEDER PILLAR / COMMON FACILITES)
7.		L.T. XLPE INSULATED ARMOURED ALUMINIUM POWER CABLE (FROM NORMAL SUB FEEDER PILLAR TO NORMAL FEEDER PILLAR & CLUB
8.		L.T. XLPE INSULATED ARMOURED ALUMINIUM POWER CABLE (FROM ESSENTIAL SUB FEEDER PILLAR TO ESSENTIAL FEEDER PILLAR
9.		L.T. XLPE INSULATED ARMOURED ALUMINIUM POWER CABLE (FROM MAIN COMMON SERVICES FEEDER PILLAR TO COMMON FACILITIES)
10.		L.T. XLPE INSULATED ARMOURED ALUMINIUM DISTRIBUTION CABLE (FROM FEEDER PILLAR TO VILLAS)

NOTES : (ELECTRICAL SYSTEM)

1. THE POWER SHALL BE DISTRIBUTED TO VARIOUS BLOCK THROUGH XLPE / PVC INSULATED ARMOURED ALUMINUM CABALES.
2. ALL TRANSFORMERS SHALL BE PLINTH MOUNTED WITH FENCING ALROUND AS PER THE STANDARD DESIGN OF U.P.S.E.B.
3. FOR INSTALLATION OF POWER CABLES THE PROVISION OF IS : 1255 SHALL BE FOLLOWED AS APPLICABLE.
4. THE MINIMUM CLEARANCE BETWEEN TWO POWER CABLES SHALL BE 150 M.M. HOWEVER THE CLEARANCE SHOULD BE AS LARGE AS SITE CONDITIONS PERMITS.
5. IT IS DESIRED FROM THE CONTRACTOR THAT HE SHOULD PREPARE SHOP DRAWING BEFORE STARTING THE WORK. FOR ALL SUBSTATION EQUIEPMENTS, PANEL, CABLE LAYOUT ETC.
6. THE MINIMUM CLEARANCE BETWEEN POWER CABLE AND WATER LINE / COMMUNICATION CABLE (TELEPHONE CABLE) SHALL BE 300 M.M. HOWEVER LARGER CLEARANCE SHOULD BE ADOPTED IF SITE PERMITS.
7. ALL POWER CABLES SHOULD PASS INSIDE SEPARATE PIPE UNDER ROAD CROSSING.
8. ALL UNDER GROUND ARMOURED L.T. CABLE SHALL BE LAID AT A DEPTH OF 750 M.M. AND 11 KV CABLE SHALL BE LAID AT 900 M.M. BELOW GROUND LEVEL AND DULY PROTECTED BY BRICKS WITH SAND FILLING ALROUND AS PER STANDARD DESIGN & SPECIFICATIONS.

LEGEND : EARTHING

S. No.	SYMBOL	DESCRIPTION
1.	E	600 x 600 x 6 MM G.I. PLATE EARTHING
2.		50 MM x 6 MM GI FLAT EARTHING STRIP
3.		32 x 6 MM GI PIG TAIL
4.	CT	600 x 600 x 6 MM COPPER PLATE EARTHING (FOR NEUTRALS)
5.		32 x 6 MM INSULATED COPPER EARTH STRIP
6.		25 x 5 MM INSULATED COPPER EARTH STRIP

rev. no.	date	revision
R3	09.03.16	Arch. plan revised
R2	13.03.13	Arch. plan revised
R1	23.11.12	As per requirement

project
ELDECO TOWNSHIPS & HOUSING
AT JAWAHARPURAM, KANPUR (U.P.)

title
LAYOUT PLAN (PHASE -1)

subtitle
EXTERNAL ELECTRICAL SYSTEM

drawing released for
- ■ APPROVAL
- ☐ SUBMISSION
- ☐ ADVANCE COPY
- ☐ CONSTRUCTION

drg. no. E - 01	drawn by Mandeep
scale 1 : 750	designed by M. Sadiq
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