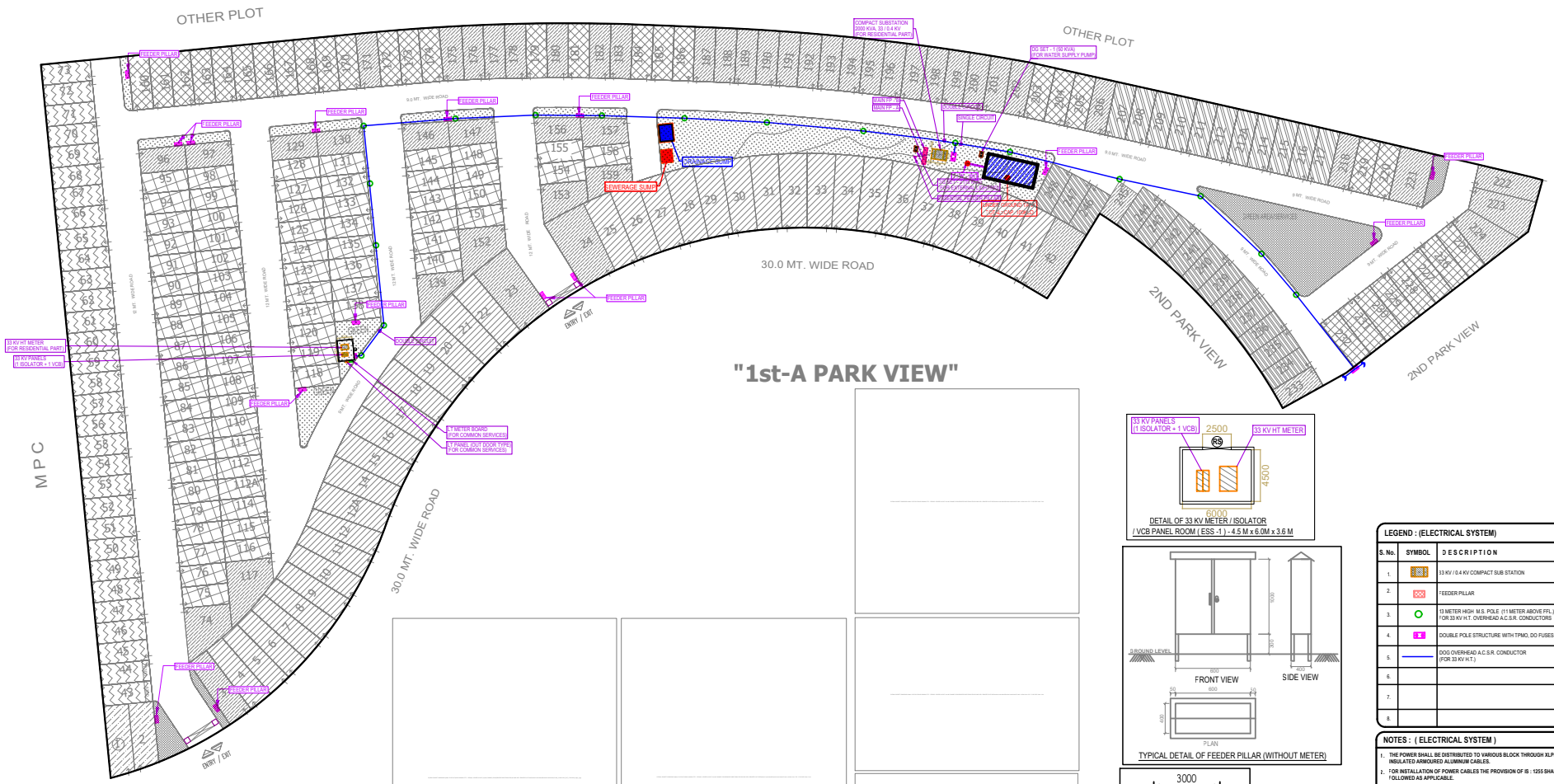
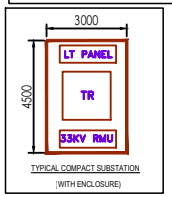


DETAIL OF 33 KV METER / ISOLATOR / VCB PANEL ROOM (ESS -1) - 4.5 M x 6.0M x 3.6 M

TYPICAL DETAIL OF FEEDER PILLAR (WITHOUT METER)



TYPICAL COMPACT SUBSTATION (WITH ENCLOSURE)

LEGEND : (ELECTRICAL SYSTEM)

S. No.	SYMBOL	D E S C R I P T I O N
1.		33 KV / 0.4 KV COMPACT SUB STATION
2.		FEEDER PILLAR
3.		13 METER HIGH M.S. POLE (11 METER ABOVE FFL.) FOR 33 KV H.T. OVERHEAD A.C.S.R. CONDUCTORS
4.		DOUBLE POLE STRUCTURE WITH TPMO, DO FUSES .
5.		DOG OVERHEAD A.C.S.R. CONDUCTOR (FOR 33 KV H.T.)
6.		
7.		
8.		

NOTES : (ELECTRICAL SYSTEM)

1. THE POWER SHALL BE DISTRIBUTED TO VARIOUS BLOCK THROUGH XLPE INSULATED ARMOURED ALUMINUM CABLES.
2. FOR INSTALLATION OF POWER CABLES THE PROVISION OF IS : 1255 SHALL BE FOLLOWED AS APPLICABLE.
3. THE MINIMUM CLEARANCE BETWEEN TWO POWER CABLES SHALL BE 150 M.M. HOWEVER THE CLEARANCE SHOULD BE AS LARGE AS SITE CONDITIONS PERMITS.
4. 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.
5. PLINTH LEVEL OF 33 KV METER / PANEL ROOM SHALL BE 450 MM ABOVE FINAL FINISHED GROUND LEVEL.
6. TRENCH DETAIL SHALL BE FINALIZED AFTER RECEIVING FOUNDATION DETAIL OF 33 KV METER / PANEL & COMPACT SUBSTATION
7. THE FOUNDATION OF COMPACT SUBSTATION SHALL BE AS PER MANUFACTURES DETAILS.

Drg. No = 1A- 04

PROPOSED
VICTORIAN VILLAS
1st-A PARK VIEW-
GAUR YAMUNA CITY-
GREATER NOIDA

GAUR YAMUNA CITY

Title : SITE PLAN

Subtitle : EXTERNAL ELECTRICAL SYSTEM

Drawing Released For :
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- ☐ CONSTRUCTION

Drg. No : GYC / 1st-A / SP / EE-01
Date : 23.07.2020
Scale : A1@1:600
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