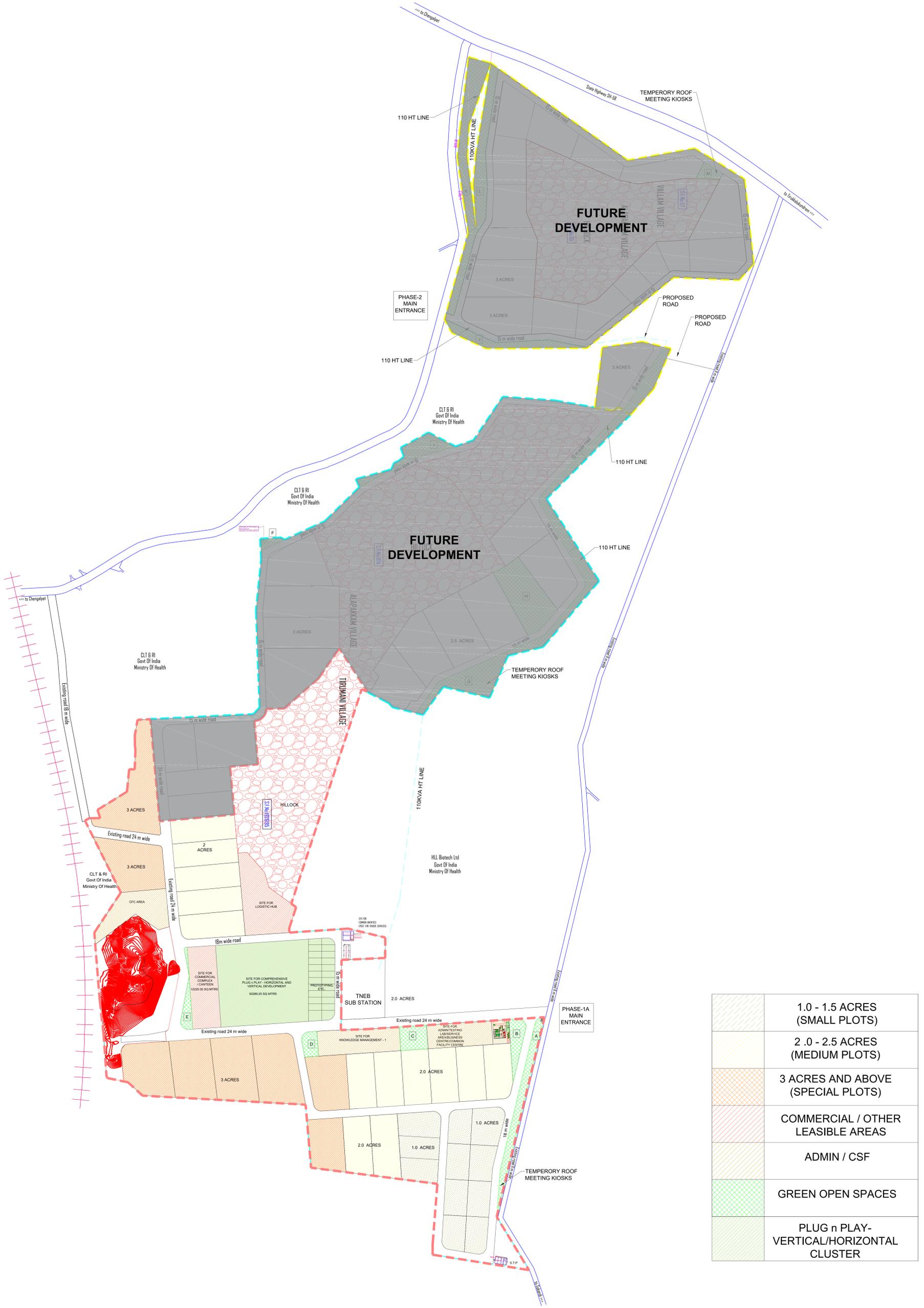
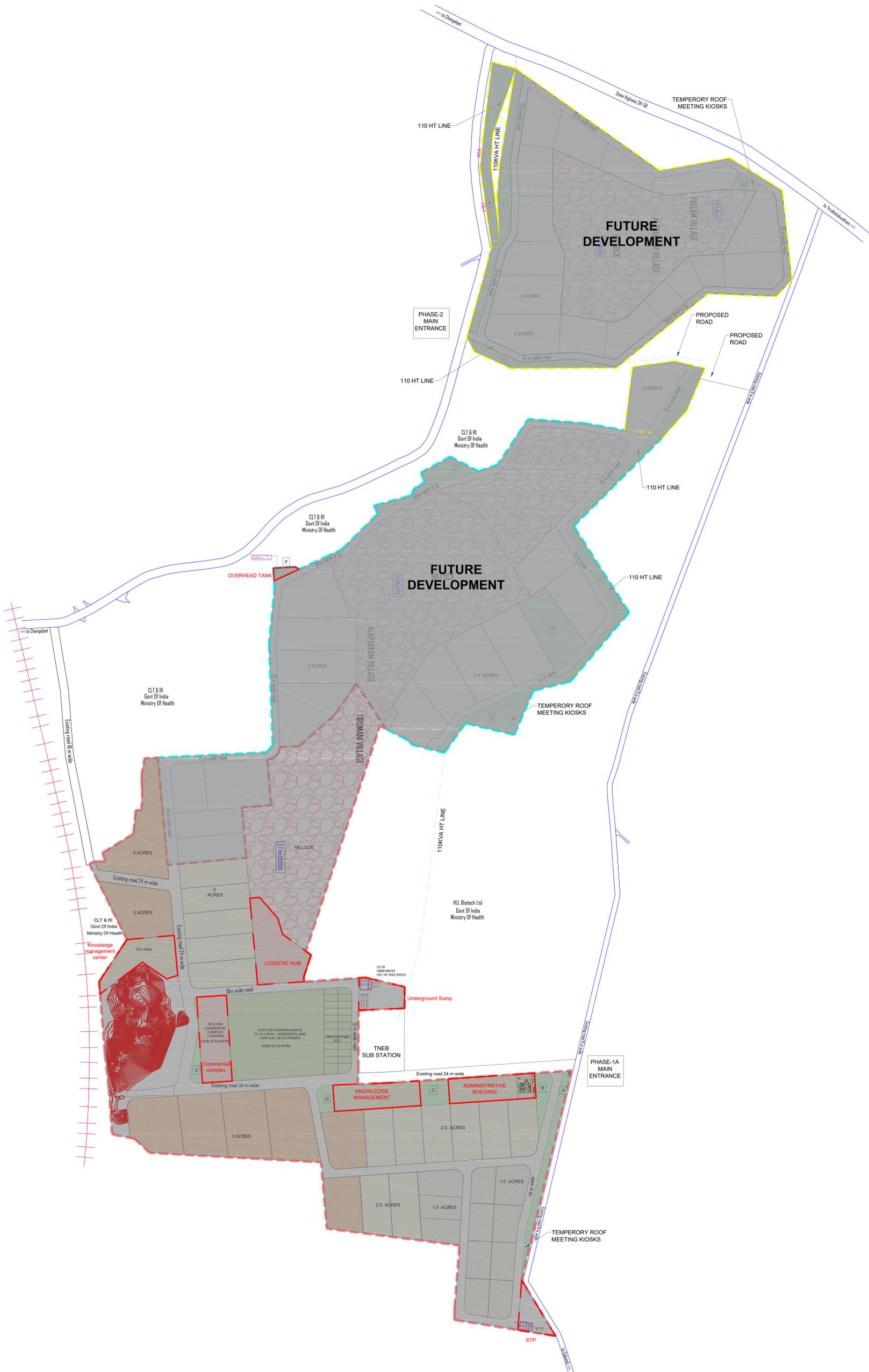


# 2. MASTER PLAN

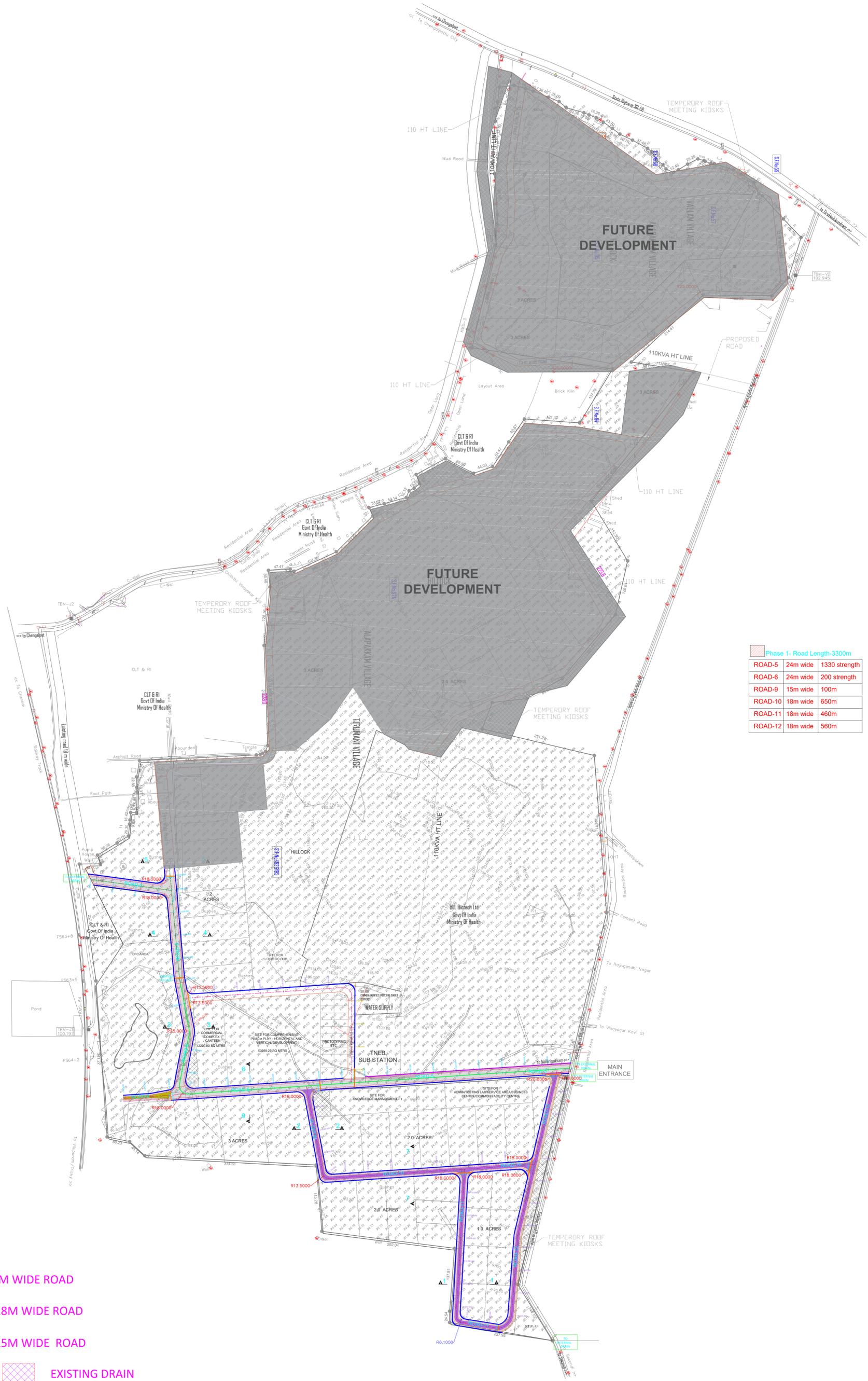


	1.0 - 1.5 ACRES (SMALL PLOTS)
	2.0 - 2.5 ACRES (MEDIUM PLOTS)
	3 ACRES AND ABOVE (SPECIAL PLOTS)
	COMMERCIAL / OTHER LEASIBLE AREAS
	ADMIN / CSF
	GREEN OPEN SPACES
	PLUG n PLAY- VERTICAL/HORIZONTAL CLUSTER

# 3. LOCATION OF UTILITIES



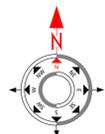
# 4.1. ROAD LAYOUT



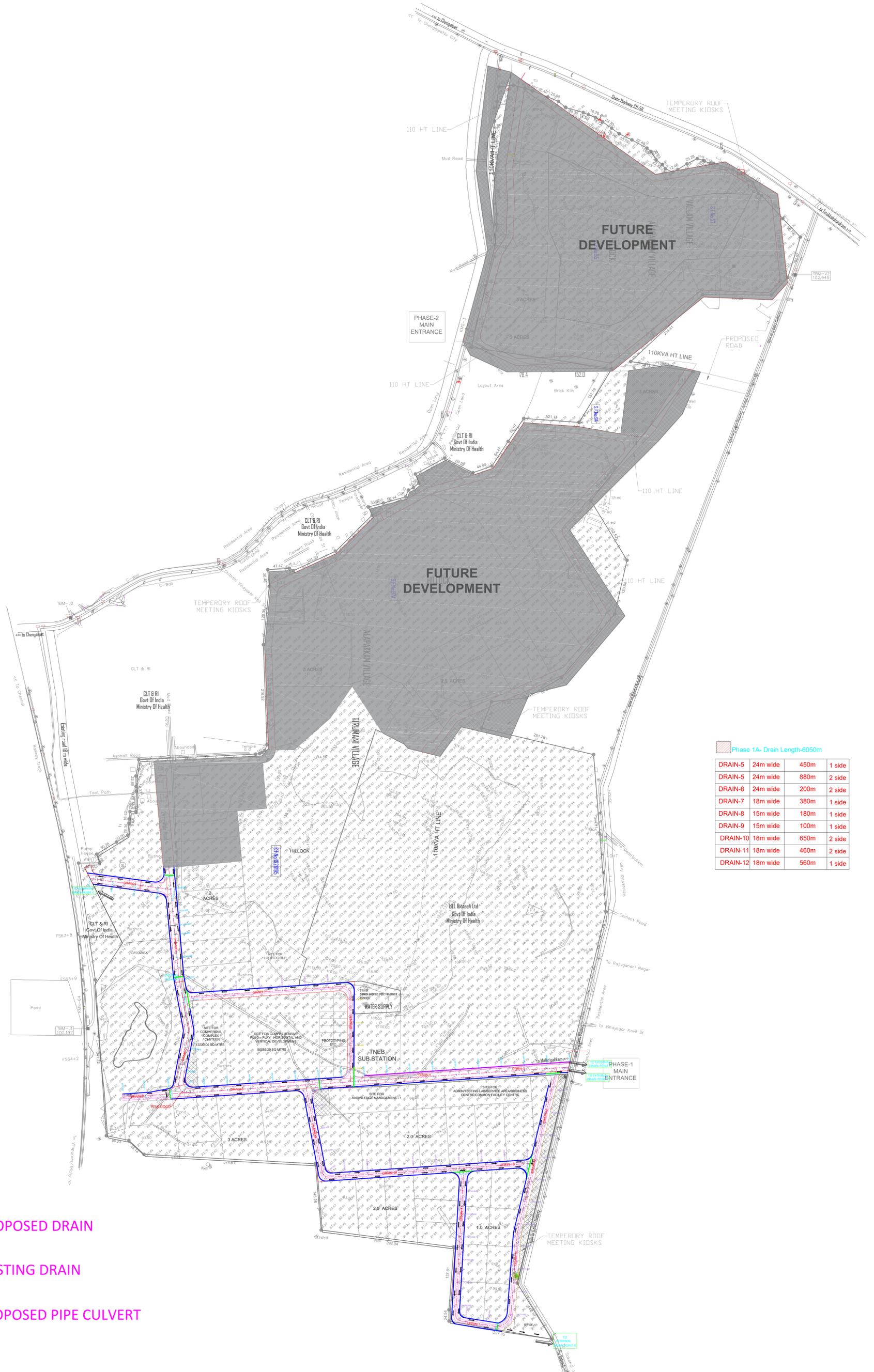
Phase 1- Road Length-3300m		
ROAD-5	24m wide	1330 strength
ROAD-6	24m wide	200 strength
ROAD-9	15m wide	100m
ROAD-10	18m wide	650m
ROAD-11	18m wide	460m
ROAD-12	18m wide	560m

**LEGEND**

	EXISTING 24M WIDE ROAD
	PROPOSED 18M WIDE ROAD
	PROPOSED 15M WIDE ROAD
	DRAIN
	EXISTING DRAIN
	EARTHEN SHOULDER
	MEDIAN



# 4.2. STORM WATER DRAIN LAYOUT



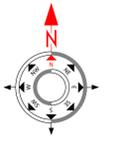
Phase 1A- Drain Length-6050m

DRAIN-5	24m wide	450m	1 side
DRAIN-5	24m wide	880m	2 side
DRAIN-6	24m wide	200m	2 side
DRAIN-7	18m wide	380m	1 side
DRAIN-8	15m wide	180m	1 side
DRAIN-9	15m wide	100m	1 side
DRAIN-10	18m wide	650m	2 side
DRAIN-11	18m wide	460m	2 side
DRAIN-12	18m wide	560m	1 side

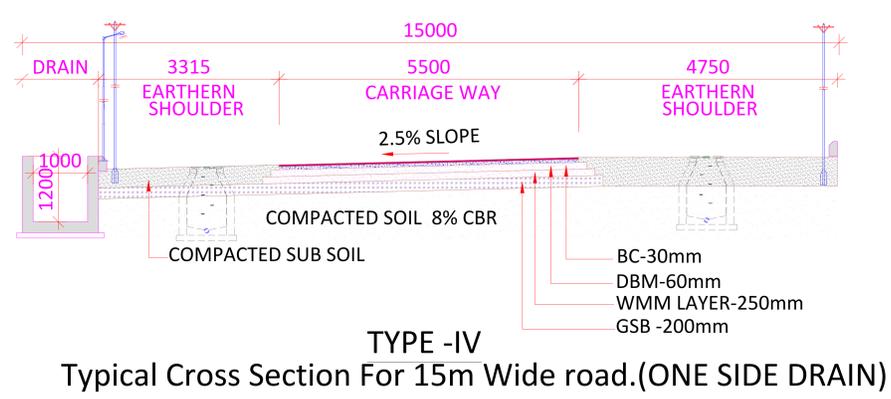
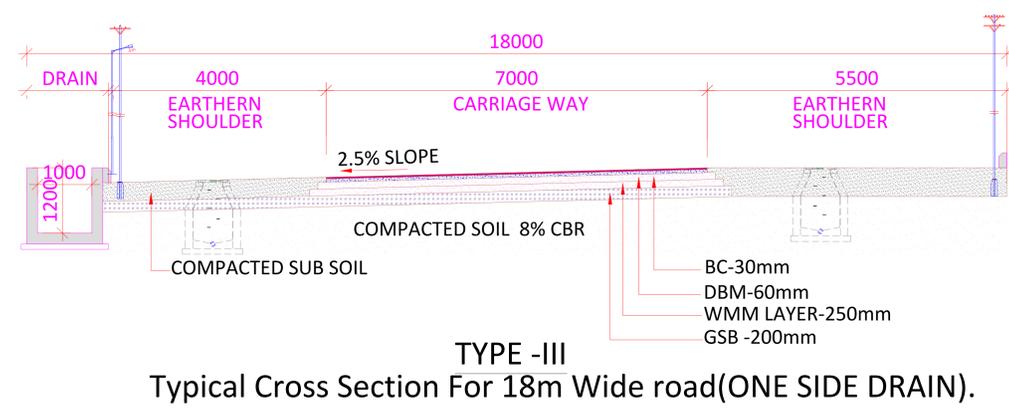
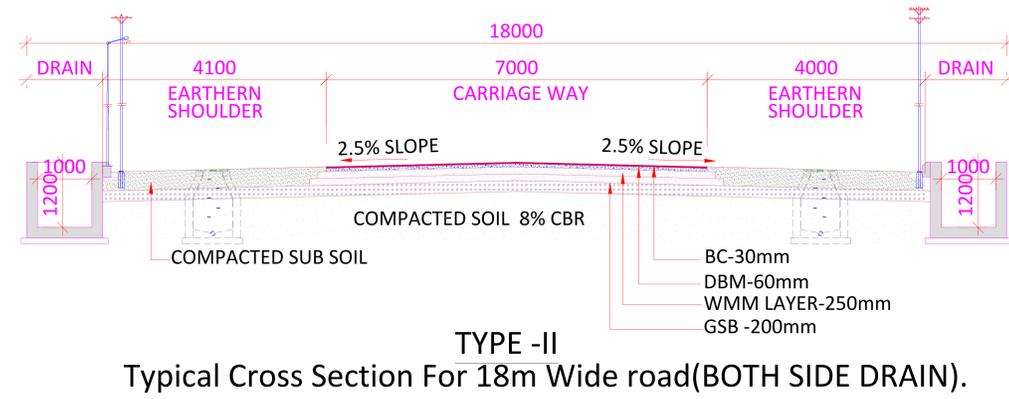
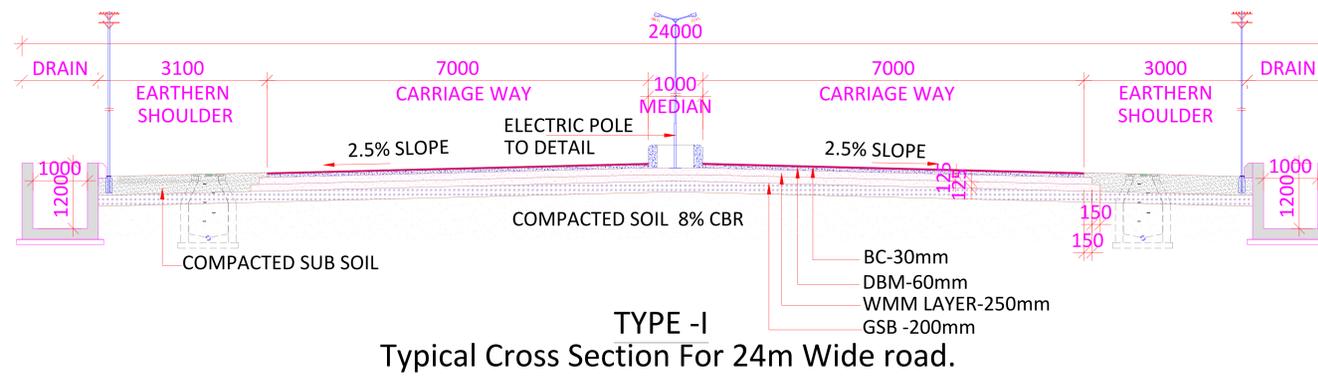
## LEGEND

-  PROPOSED DRAIN
-  EXISTING DRAIN
-  PROPOSED PIPE CULVERT

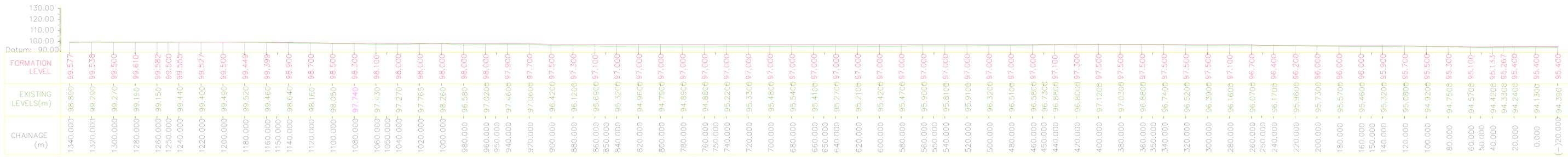
NOTE:  
MINIMUM DRAIN SIZE: (1.0mX1.2m)



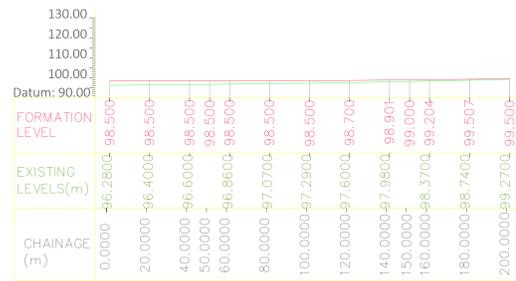
### 4.3. TYPICAL CROSS SECTION



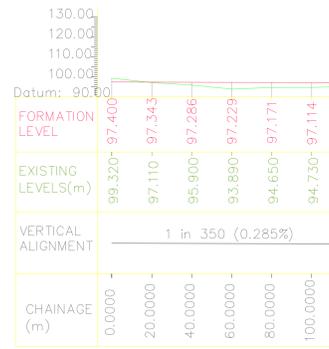
# 4.4. ROAD PROFILE



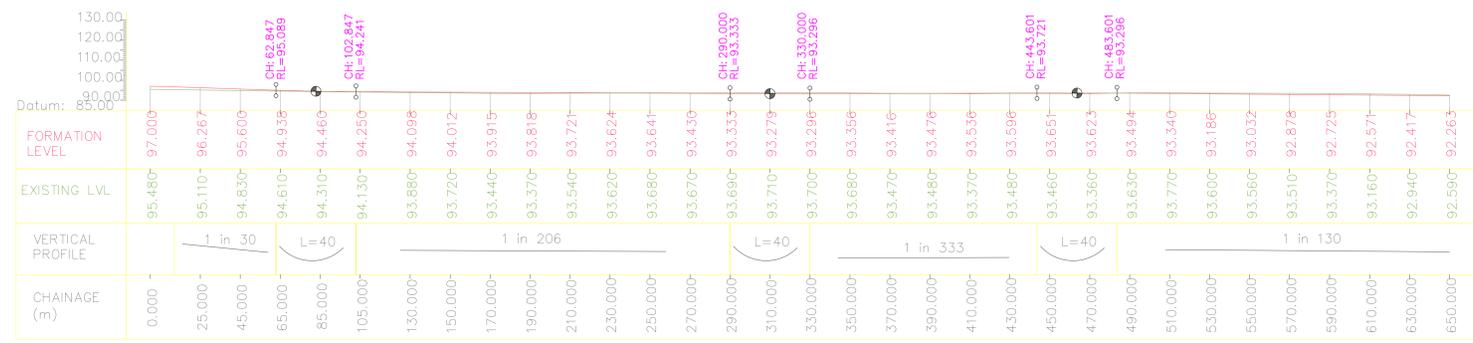
LONGITUDINAL SECTION- ROAD 5  
(SCALE: H:1,V:1)  
(24m WIDE)



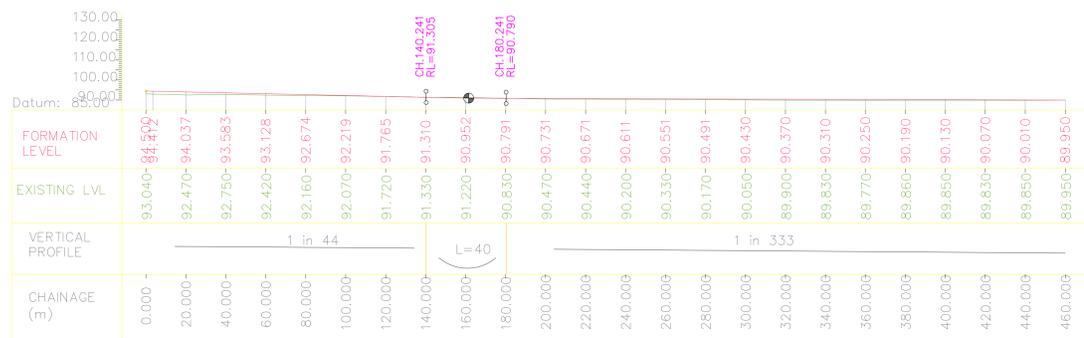
LONGITUDINAL SECTION- ROAD 6  
(SCALE: H:1,V:1)  
(24m WIDE)



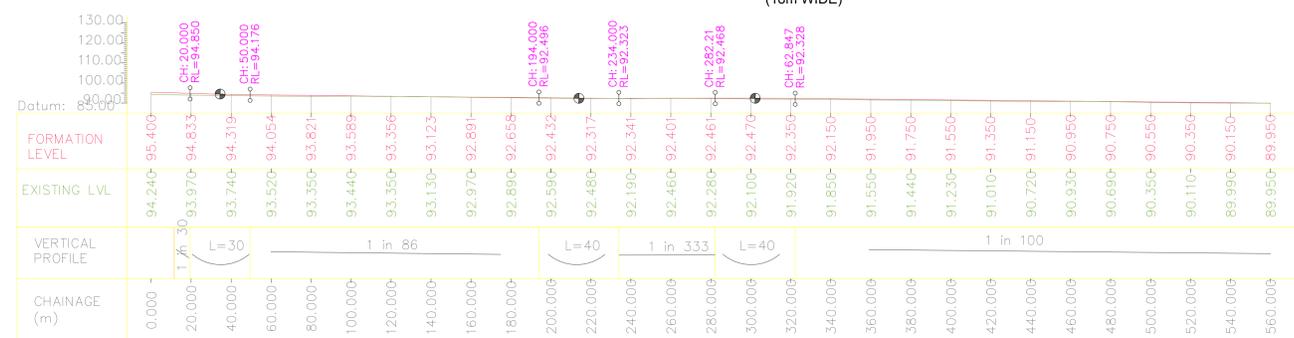
LONGITUDINAL SECTION- ROAD 9  
(SCALE: H:1,V:1)  
(15m WIDE)



LONGITUDINAL SECTION- ROAD 10  
(SCALE: H:1,V:1)  
(18m WIDE)



LONGITUDINAL SECTION- ROAD 11  
(SCALE: H:1,V:1)  
(18m WIDE)

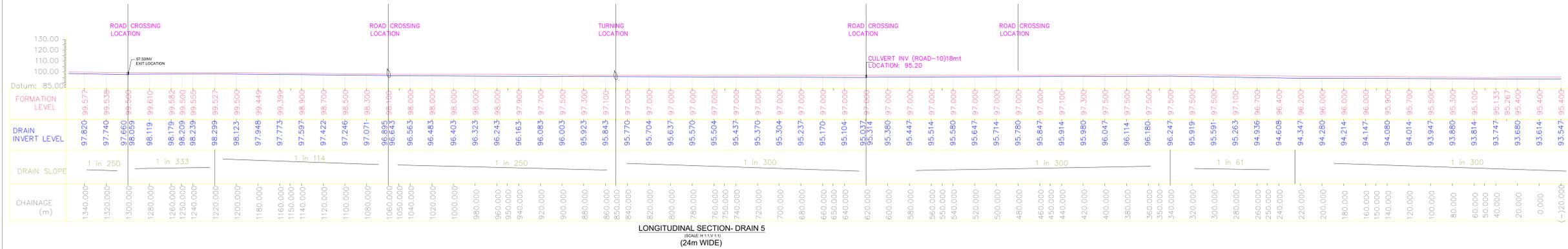


LONGITUDINAL SECTION- ROAD 12  
(SCALE: H:1,V:1)  
(18m WIDE)

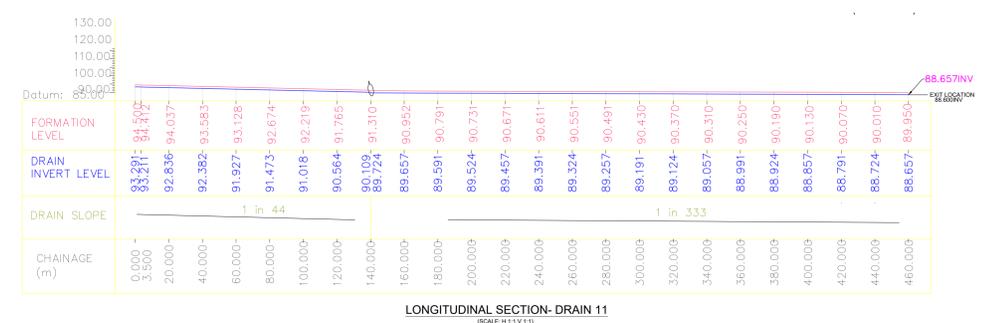
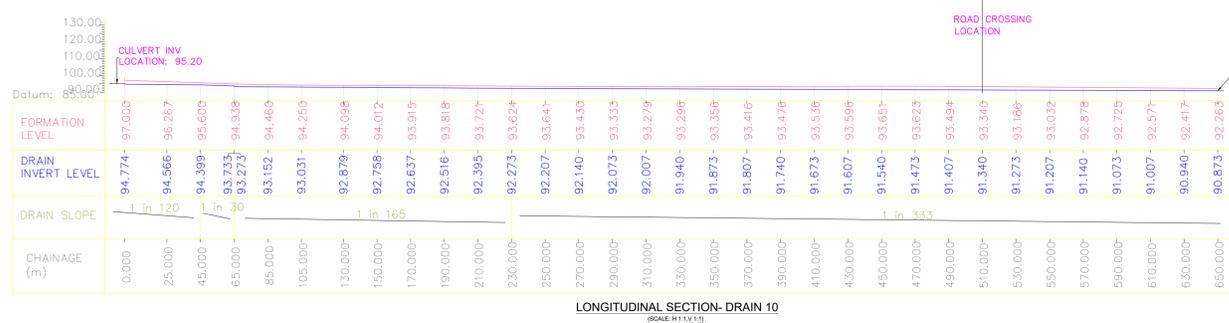
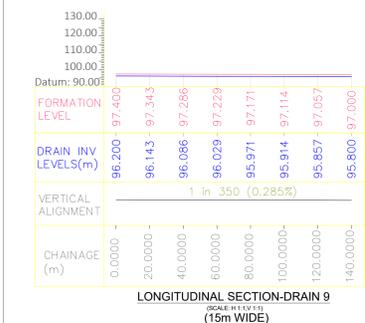
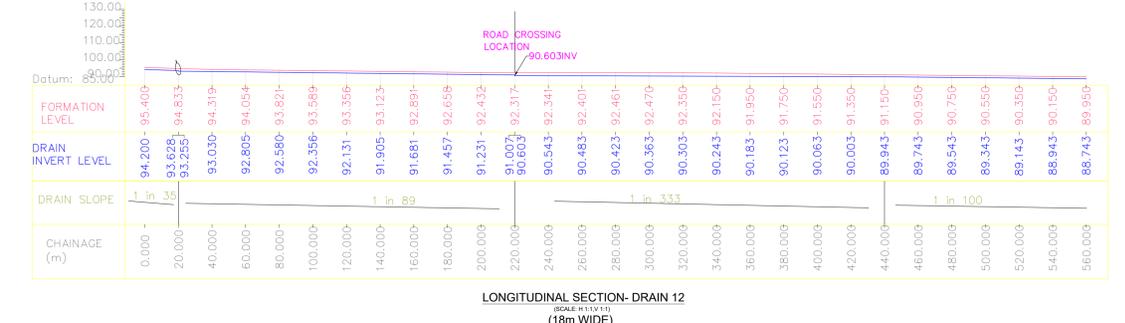
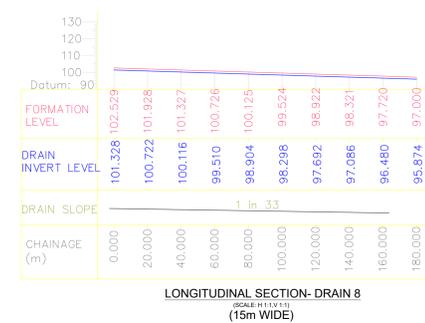
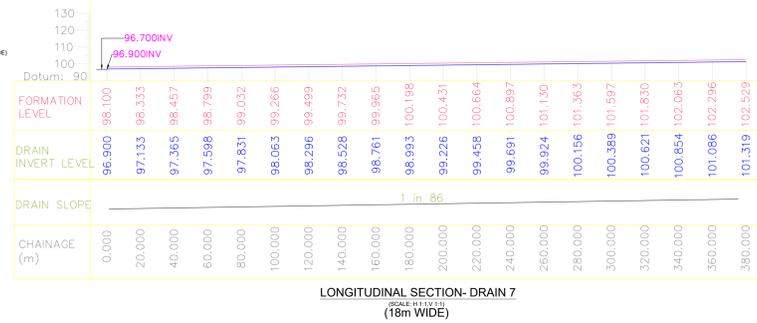
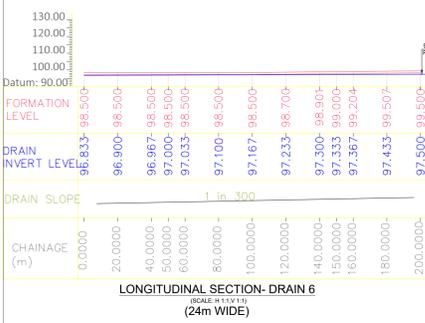
## REFERENCES:

1. SP-41
2. IRC : SP:73-2015
3. IRC:86-2018

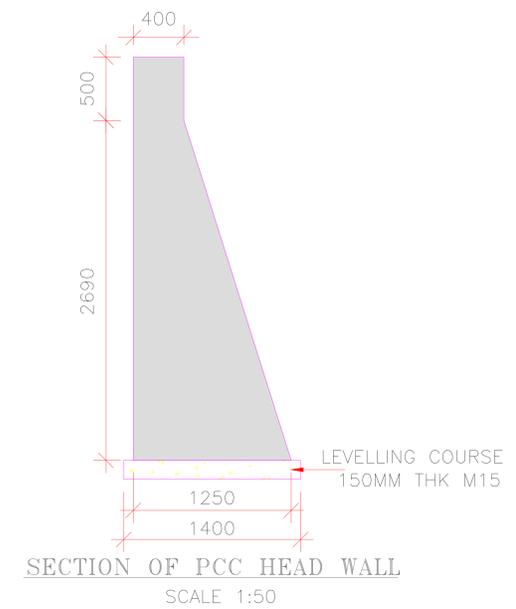
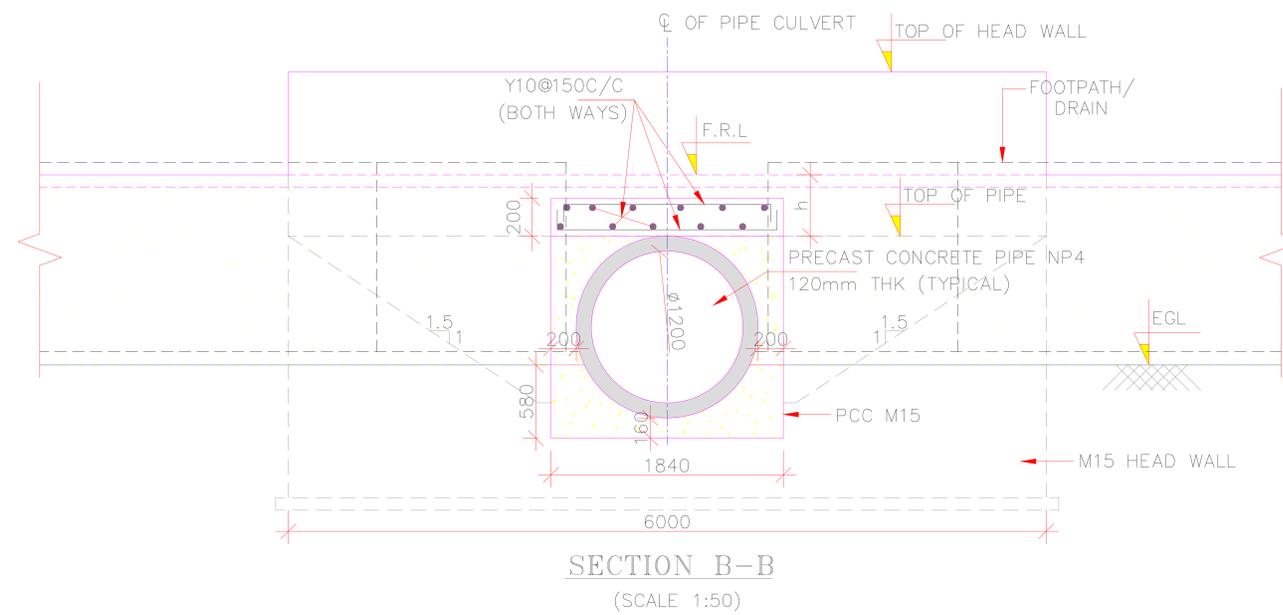
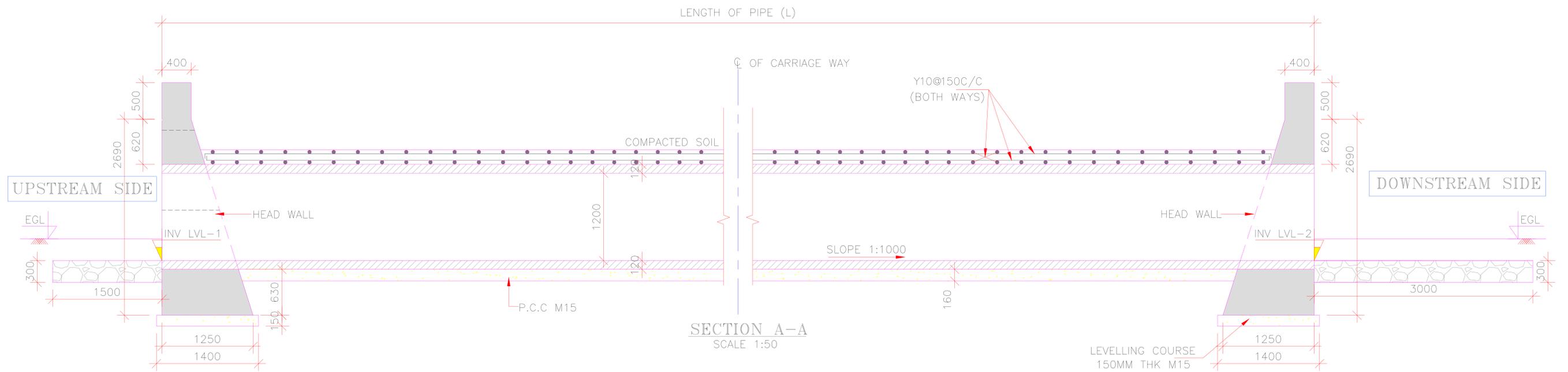
# 4.5. DRAIN PROFILE



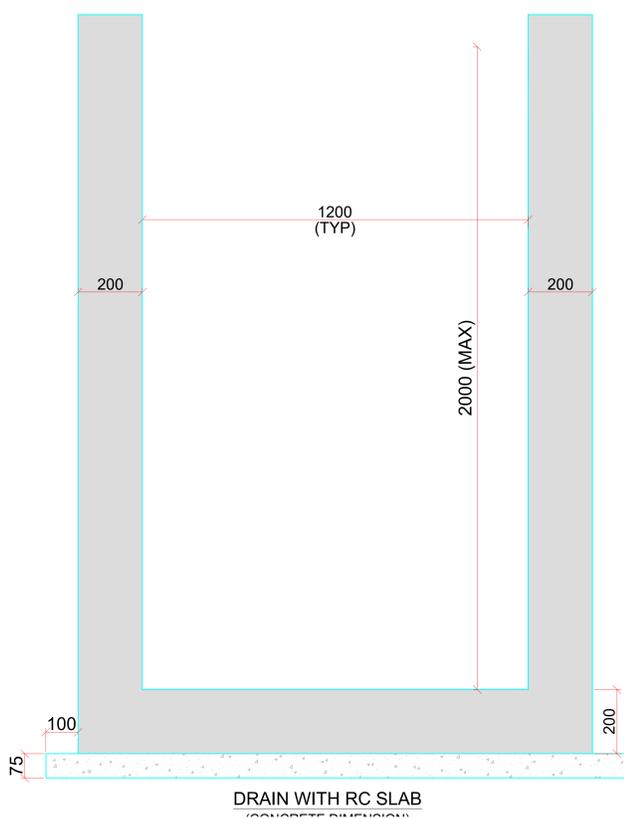
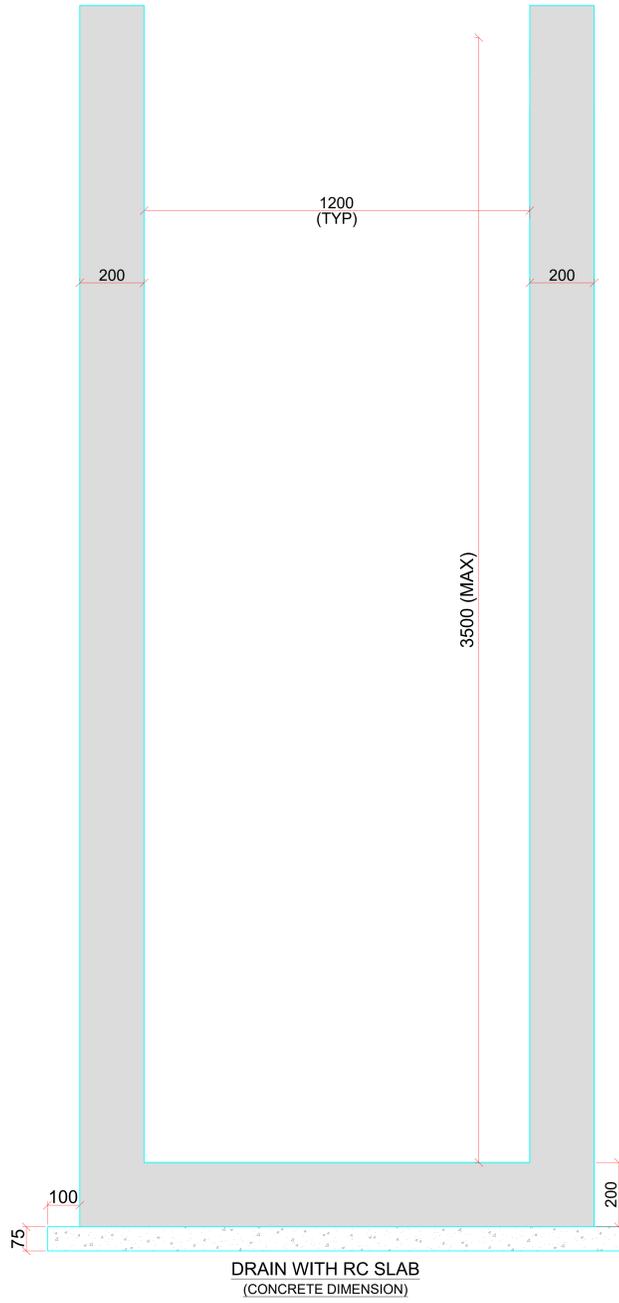
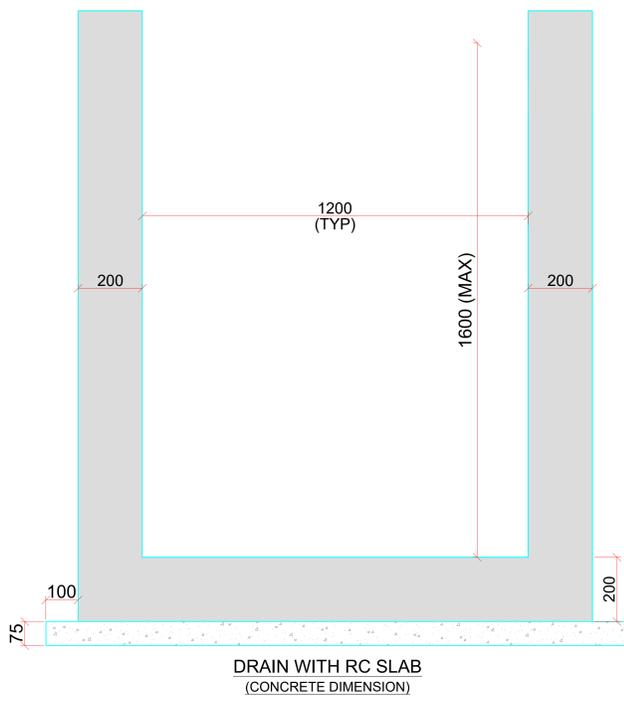
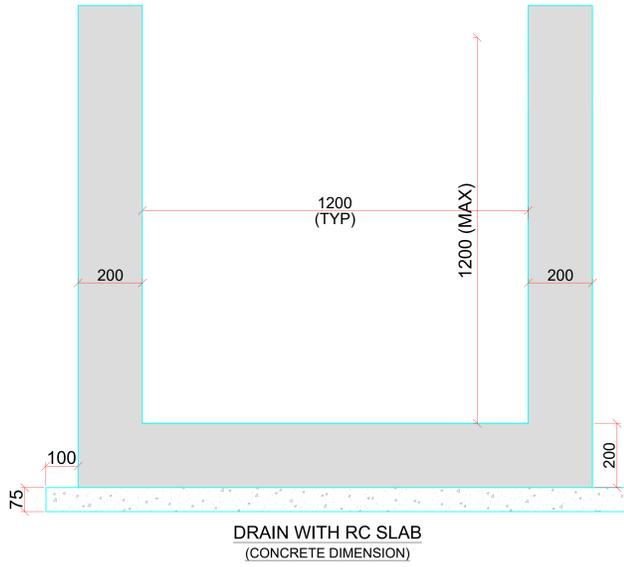
- REFERENCES:**
1. SP-41
  2. IRC : SP:73-2015
  3. IRC:86-2018



# 4.6. PIPE CULVERT DETAILS



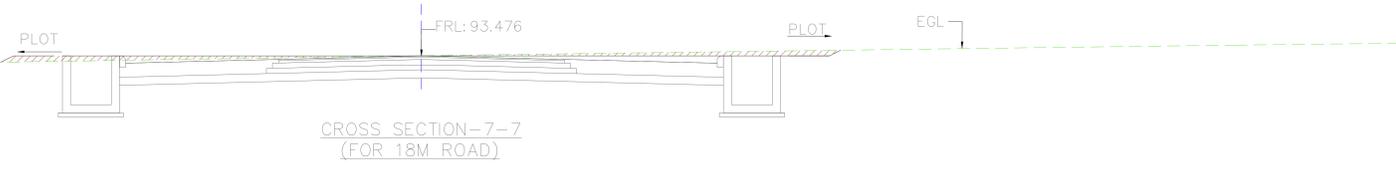
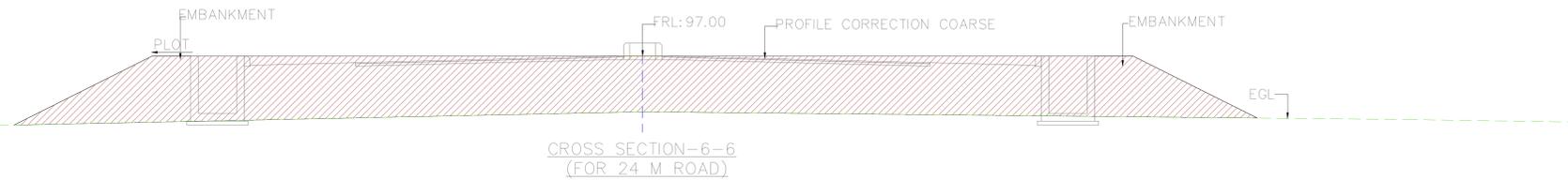
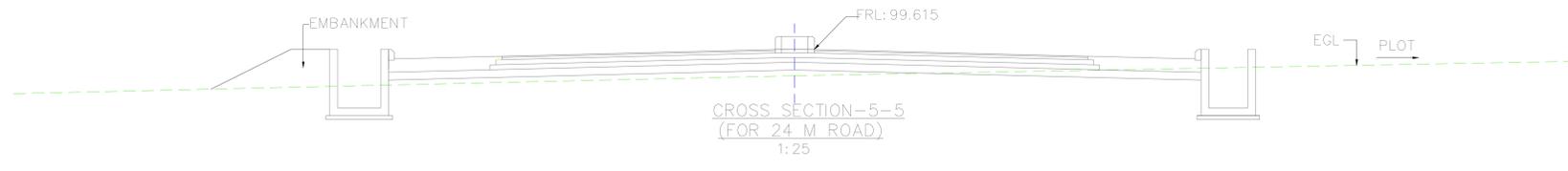
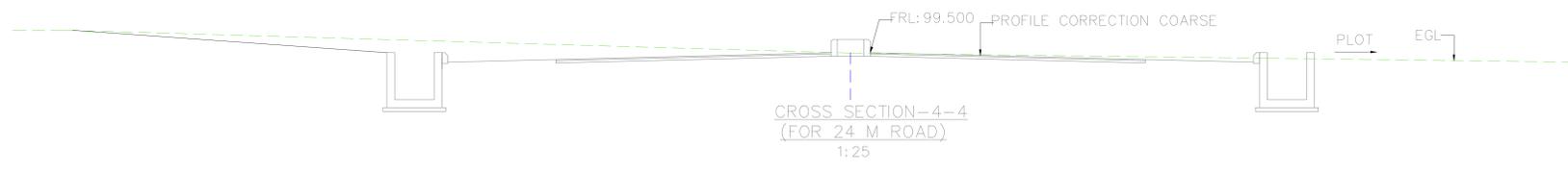
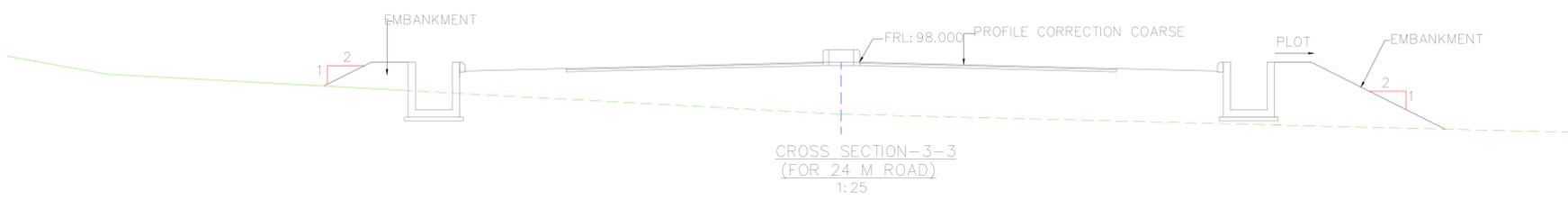
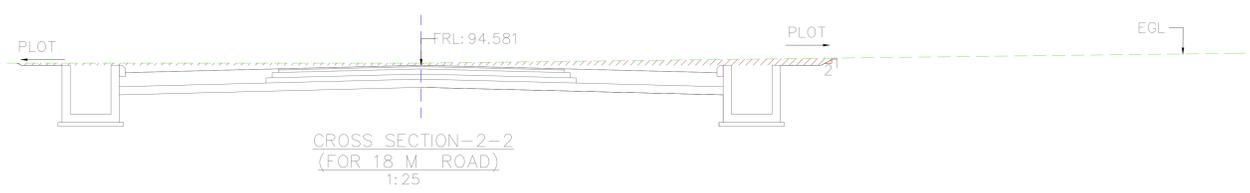
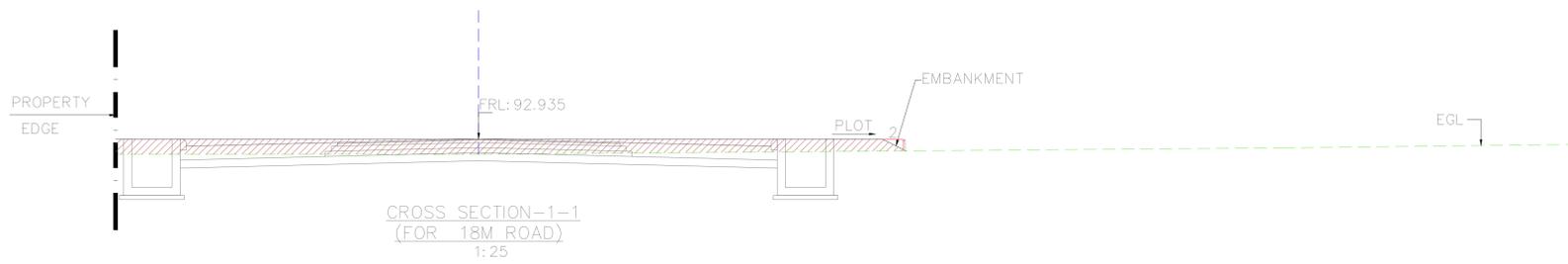
## 4.7. DRAIN CROSS SECTION DETAILS



### NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED & ALL LEVELS AND CHAINAGES ARE IN METRES.
2. GRADE OF CONCRETE SHALL BE VIBRATED RCC M20
3. CLEAR COVER TO MAIN REINFORCEMENT :-  
EARTH FACE = 75mm  
OTHER FACE = 40mm
4. GRADE OF STEEL SHALL BE Fe-500

# 4.8. SITE GRADING DETAILS



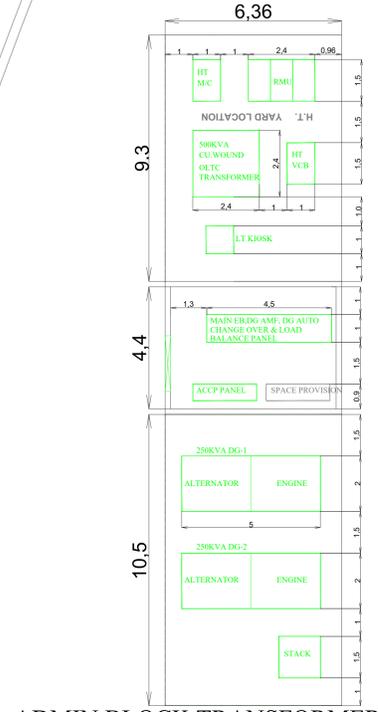
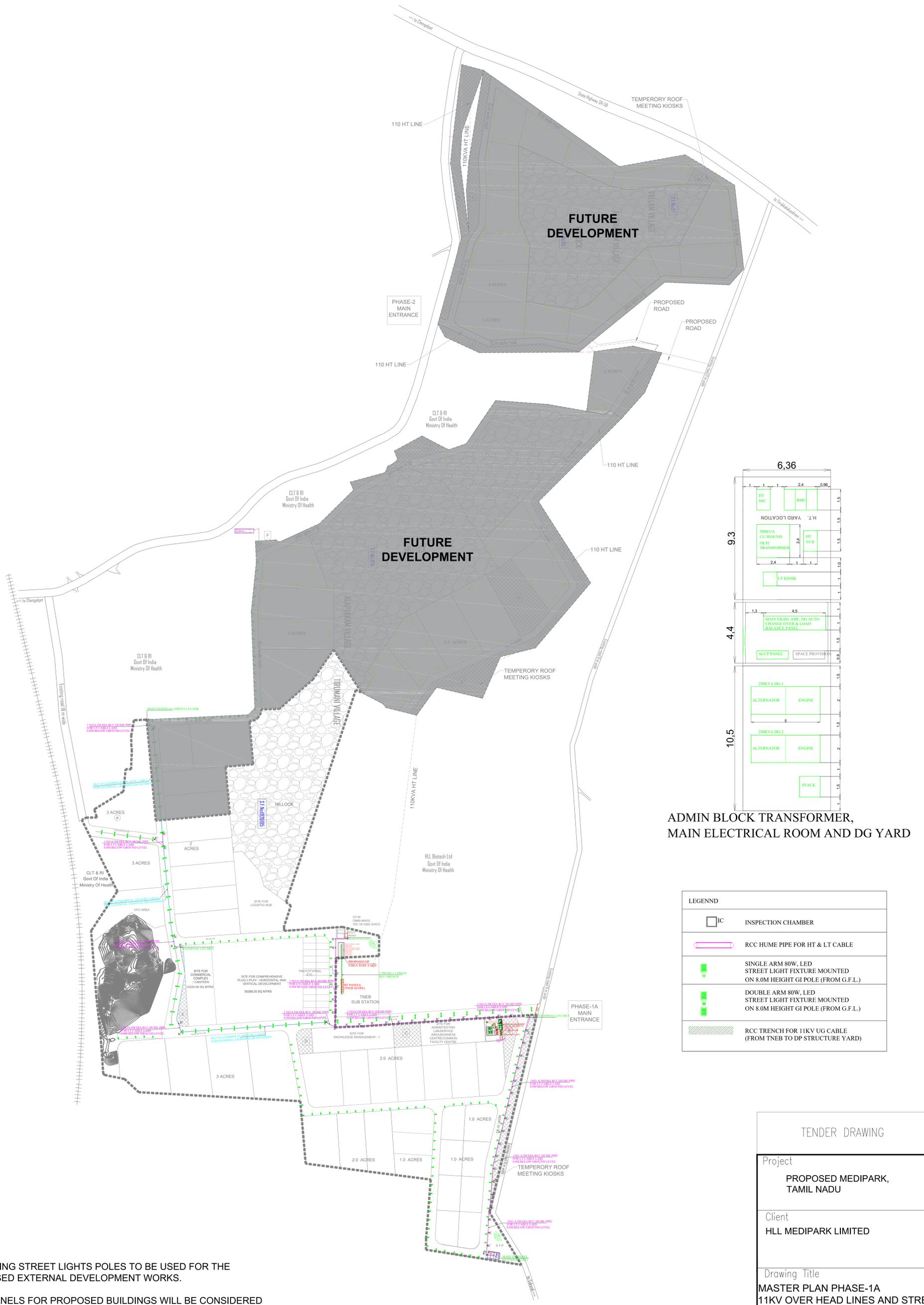
# 5.1. 11KV OVERHEAD LINES AND STREET LIGHTING LOCATION LAYOUT



**NOTE:**  
 1) EXISTING STREET LIGHTS POLES TO BE USED FOR THE PROPOSED EXTERNAL DEVELOPMENT WORKS.  
 2) HT PANELS FOR PROPOSED BUILDINGS WILL BE CONSIDERED IN THE RESPECTIVE BUILDING ELECTRICAL WORKS.  
 3) 11KV POWER SUPPLY WILL BE TAPPED FROM TNEB HT PANELS/DP STRUCTURE.

TENDER DRAWING	
<b>LEGNDD</b>	
	HT, 11KV, 3-PH, OVER HEAD TRANSMISSION LINES THROUGH COYOTE ACSR CONDUCTOR AT A SPAN OF 40M DISTANCE BETWEEN THE POLES
	11KV DOUBLE POLE STRUCTURE
	9/11 MTR 11KV POLE
	SINGLE ARM 80W, LED STREET LIGHT FIXTURE MOUNTED ON 8.0M HEIGHT GI POLE (FROM G.F.L.)
	DOUBLE ARM 80W, LED STREET LIGHT FIXTURE MOUNTED ON 8.0M HEIGHT GI POLE (FROM G.F.L.)
	RCC TRENCH FOR 11KV UG CABLE (FROM TNEB TO DP STRUCTURE YARD)

## 5.2. TRANSFORMER, DG, YARD, MAIN ELECTRICAL ROOM, LT UNDERGROUND CABLE ROUTING LAYOUT



ADMIN BLOCK TRANSFORMER, MAIN ELECTRICAL ROOM AND DG YARD

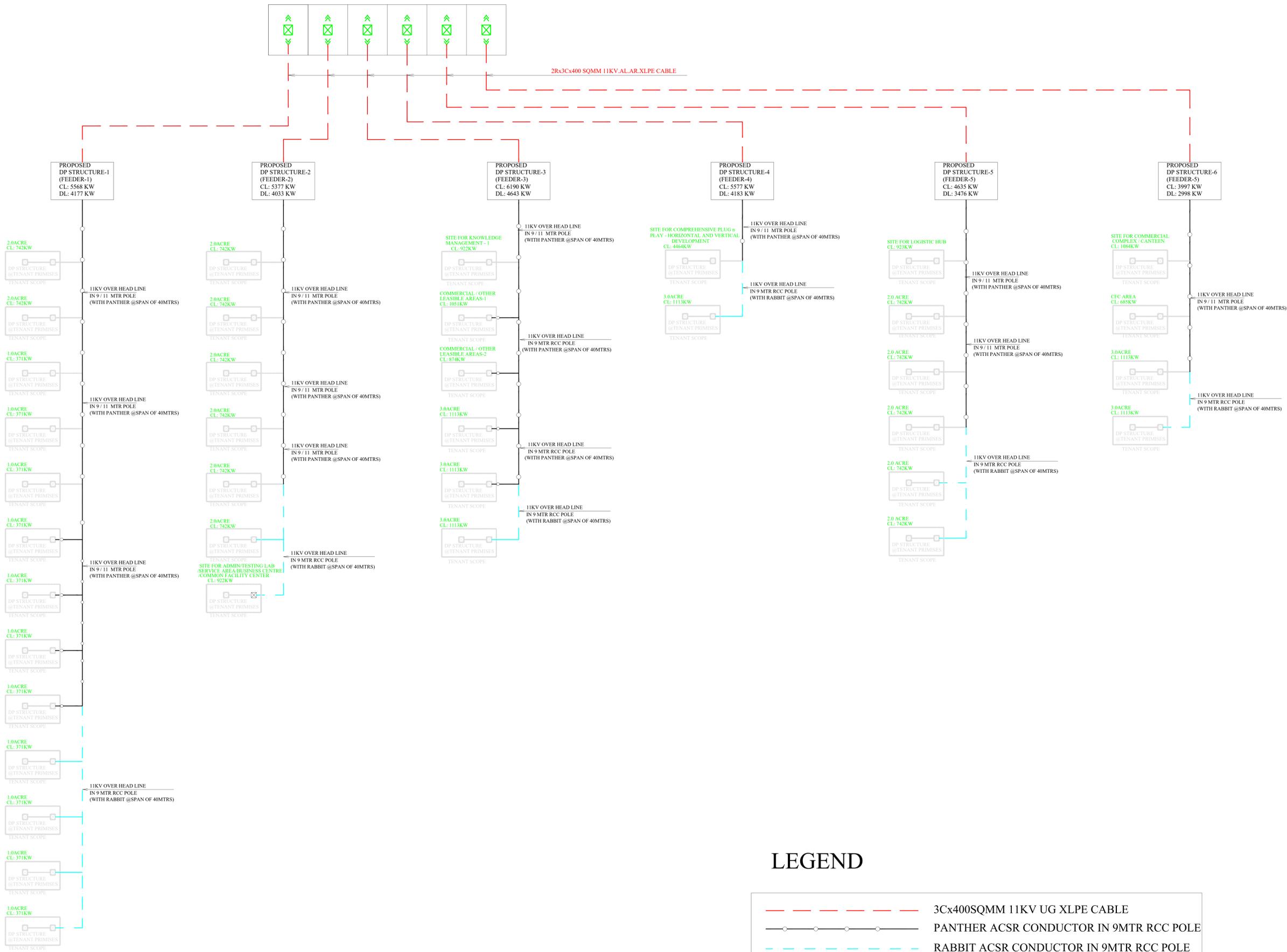
LEGNDD	
	INSPECTION CHAMBER
	RCC HUME PIPE FOR HT & LT CABLE
	SINGLE ARM 80W, LED STREET LIGHT FIXTURE MOUNTED ON 8.0M HEIGHT GI POLE (FROM G.F.L.)
	DOUBLE ARM 80W, LED STREET LIGHT FIXTURE MOUNTED ON 8.0M HEIGHT GI POLE (FROM G.F.L.)
	RCC TRENCH FOR 11KV UG CABLE (FROM TNEB TO DP STRUCTURE YARD)

- NOTE:
- 1) EXISTING STREET LIGHTS POLES TO BE USED FOR THE PROPOSED EXTERNAL DEVELOPMENT WORKS.
  - 2) HT PANELS FOR PROPOSED BUILDINGS WILL BE CONSIDERED IN THE RESPECTIVE BUILDING ELECTRICAL WORKS.
  - 3) 11KV POWER SUPPLY WILL BE TAPPED FROM TNEB HT PANELS/DP STRUCTURE.

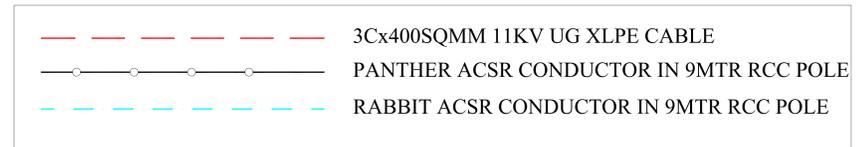
TENDER DRAWING				
Project <b>PROPOSED MEDIPARK, TAMIL NADU</b>				
Client <b>HLL MEDIPARK LIMITED</b>				
Drawing Title <b>MASTER PLAN PHASE-1A 11KV OVER HEAD LINES AND STREET LIGHTING LOCATION LAYOUT PLAN</b>				
Original Scale NTS	Drawn:CHP	Checked:CHH	Authorised	Size A0
Drawing Number ELE-EXTERNAL-01			Date:16.02.2021	REV NO. R8

### 5.3. 11KV OVER HEAD LINES DISTRIBUTION DETAIL

#### 11KV TNEB FEEDERS (SCOPE BY TNEB) LOCATED IN TNEB SUBSTATION



#### LEGEND



TENDER DRAWING

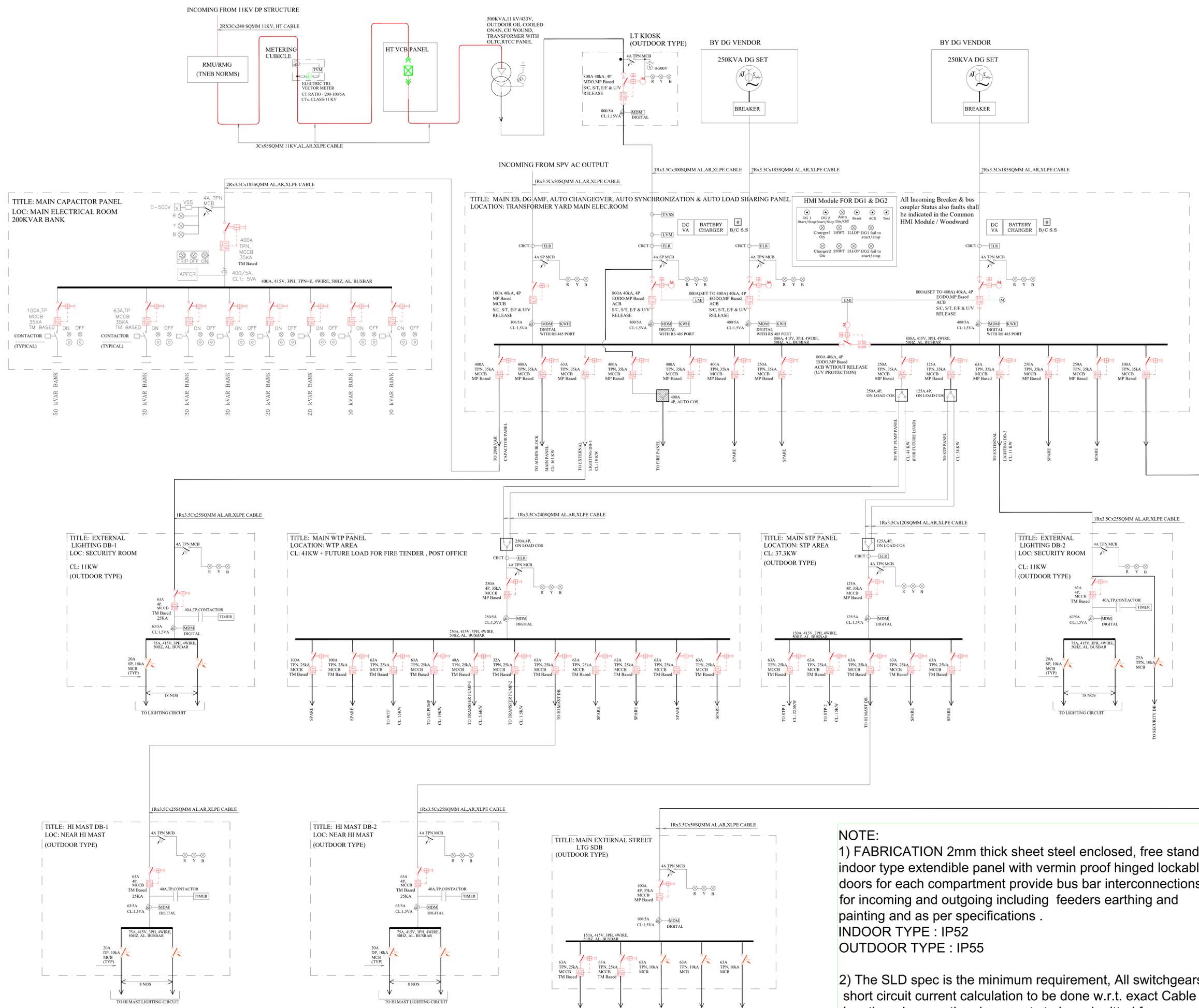
Project  
**PROPOSED MEDIPARK,  
TAMIL NADU**

Client  
**HLL MEDIPARK LIMITED**

Drawing Title  
**SINGLE LINE DIAGRAM  
PHASE-1A 11KV OVER HEAD LINE**

Original Scale	Drawn:CHP	Checked:CHH	Authorised	Size
NTS			Date:	A0
Drawing Number				REV NO.
SLD-01				R8

# 5.4. LT DISTRIBUTION SINGLE LINE DIAGRAM



LEGEND	
SYMBOL	DISCRIPTION
	MICRO PROCESSOR BASED AIR CIRCUIT BREAKER
	MICRO PROCESSOR / THERMAL MAGNETIC BASED MOULDED CASE CIRCUIT BREAKER WITH O/L, S/C, S/T, PROTECTION,
	PHASE INDICATING LAMP
	CORE BALANCE CURRENT TRANSFORMER
	DIGITAL TYPE EARTH LEAKAGE RELAY
	CURRENT TRANSFORMER
	DIGITAL MULTI DATA METER WITH RS 485 PORT
	CAPACITOR DUTY CONTACTOR
	HEAVY DUTY CAPACITOR BANK
	10KA MINIATURE CIRCUIT BREAKER
	DIGITAL VOLTMETER WITH SELECTOR SWITCH
	ELECTRICALLY & MECHANICALLY INTERLOCK
	PLC BASED AUTO CHANGE OVER SWITCH
	ON LOAD CHANGE OVER SWITCH
	DIGITAL KILO WATT HOUR METER WITH RS 485 PORT
	LINE VOLTAGE MONITOR
	DIGITAL MULTI DATA METER WITH MAX. DEMAND AND WITH RS 485 PORT
	SURGE PROTECTION DEVICE (50KA)

**NOTE:**  
 1) FABRICATION 2mm thick sheet steel enclosed, free standing indoor type extendible panel with vermin proof hinged lockable doors for each compartment provide bus bar interconnections for incoming and outgoing including feeders earthing and painting and as per specifications.  
 INDOOR TYPE : IP52  
 OUTDOOR TYPE : IP55  
 2) The SLD spec is the minimum requirement, All switchgears short circuit current calculation to be done w.r.t. exact Cable length and supporting documents to be submitted for approval.

TENDER DRAWING

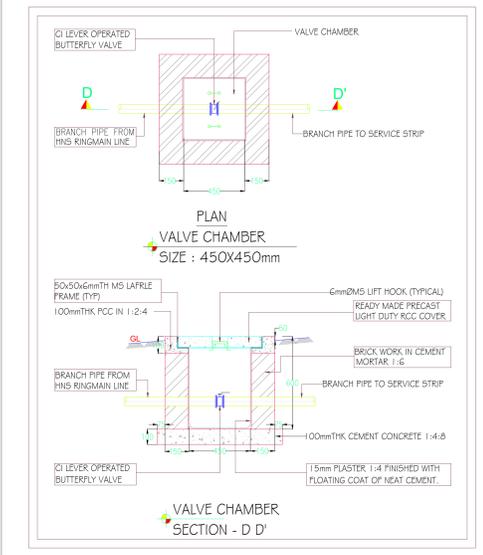
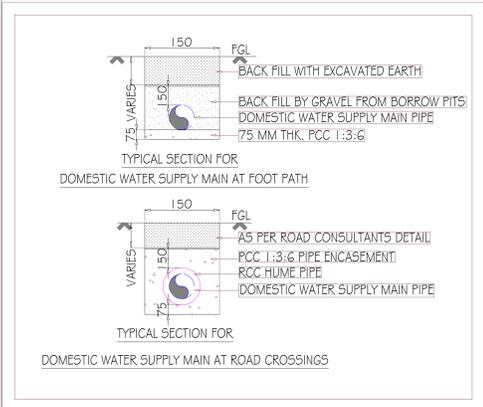
Project  
**PROPOSED MEDIPARK, TAMIL NADU**

Client  
**HLL MEDIPARK LIMITED**

Drawing Title  
**LT DISTRIBUTION SINGLE LINE DIAGRAM FOR PHASE-1A**

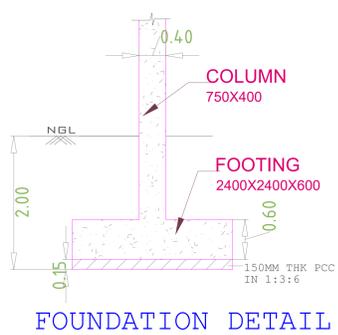
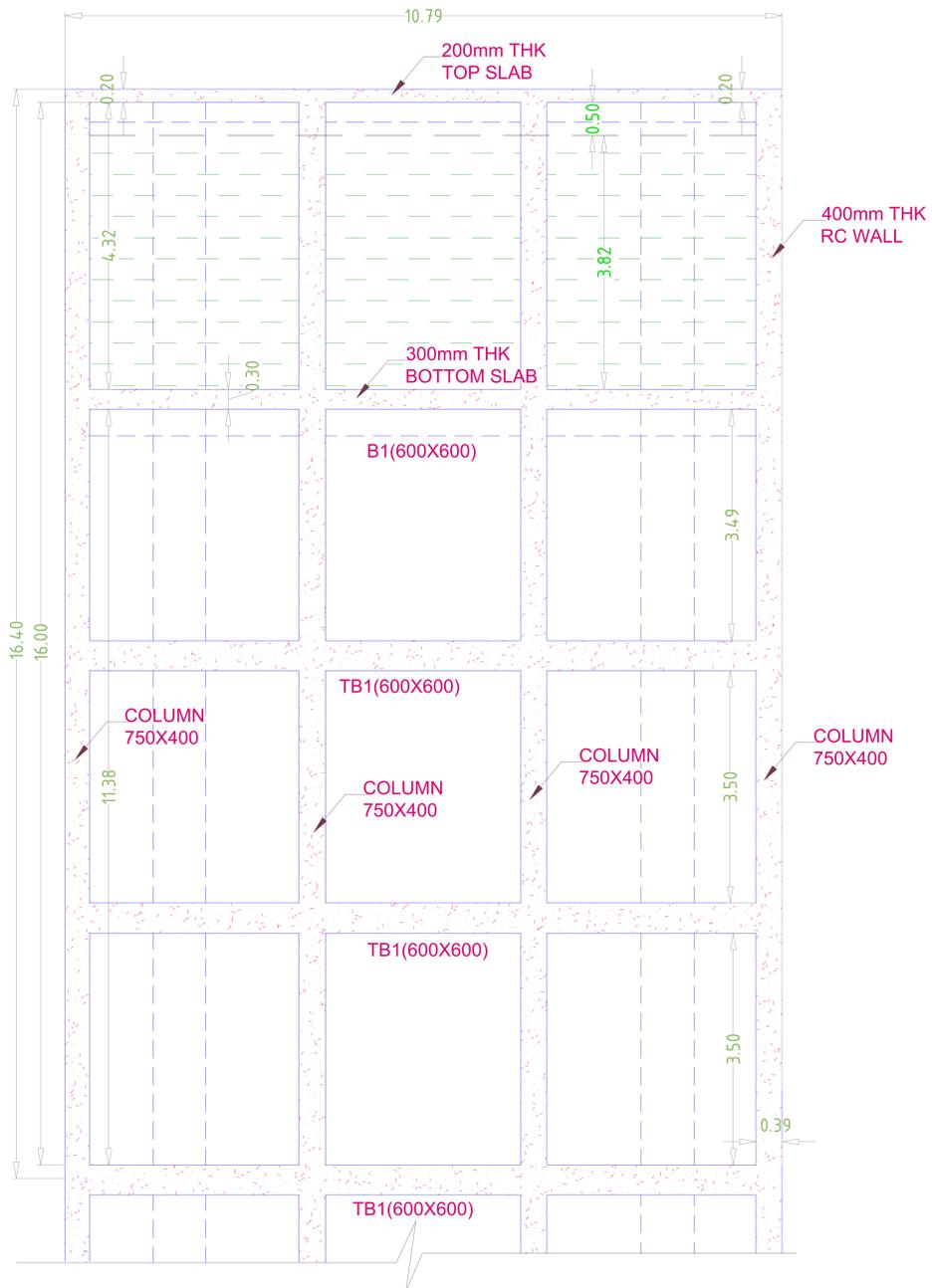
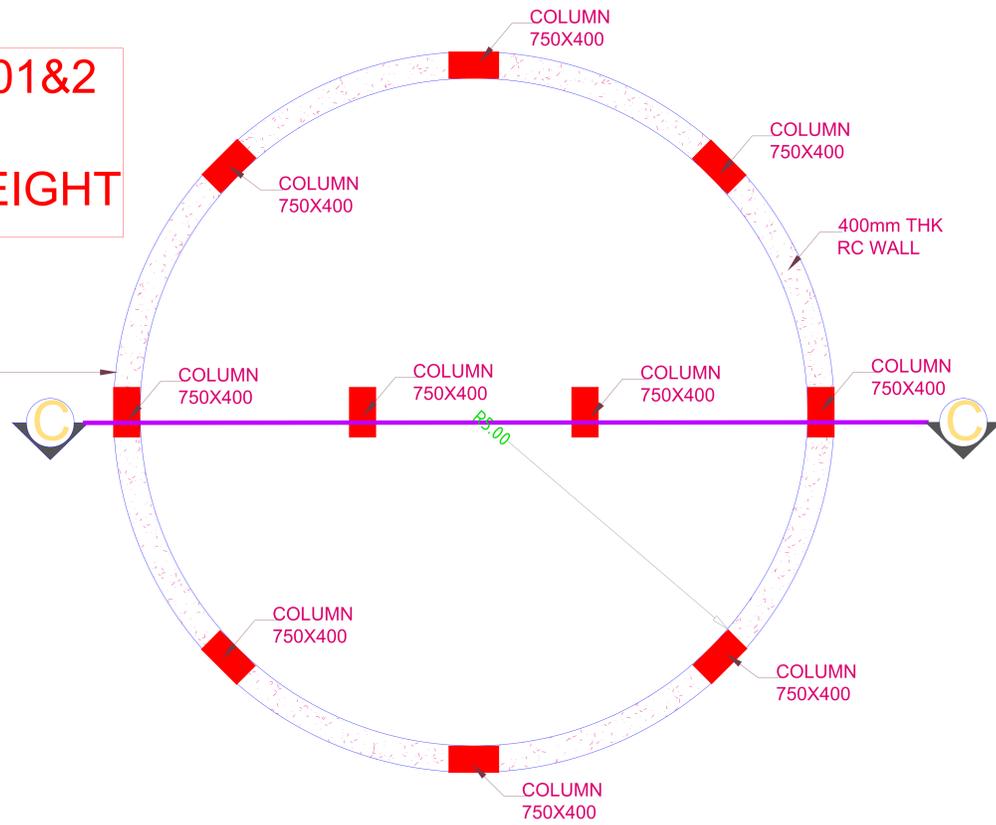
Original Scale	Drawn:CHP	Checked:CHH	Authorised	Size
NTS			Date:	A0
Drawing Number	SLD-03			REV NO. R8

# 6.1. WATER SUPPLY NETWORK



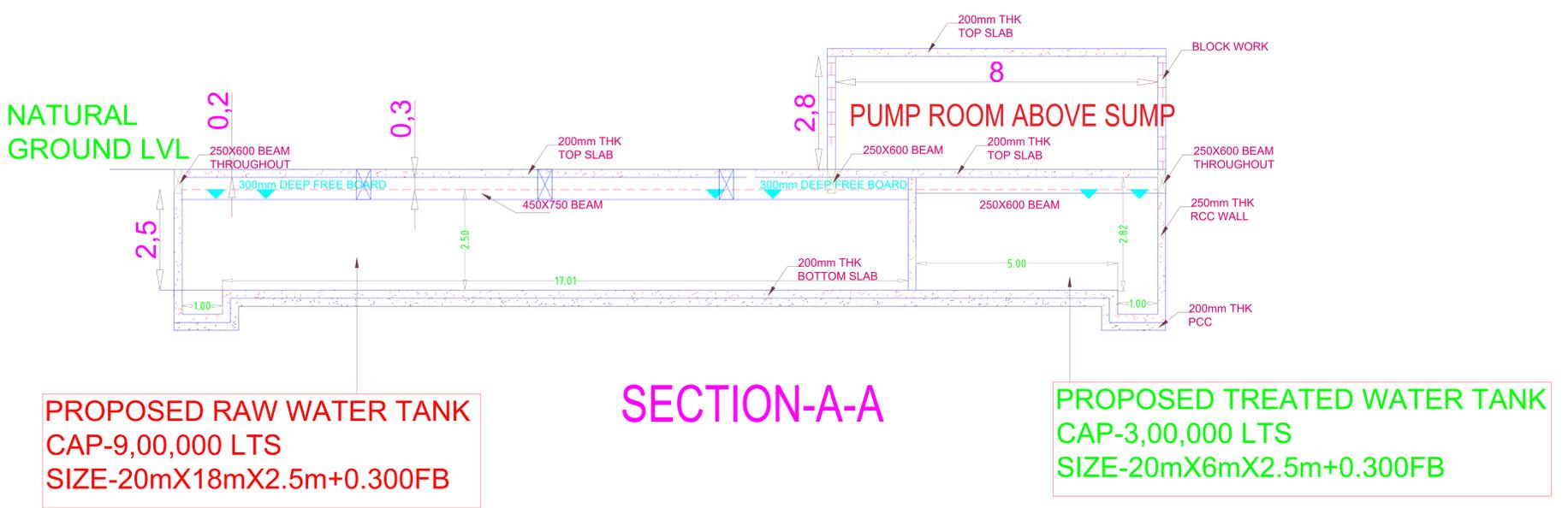
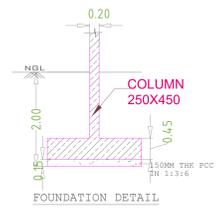
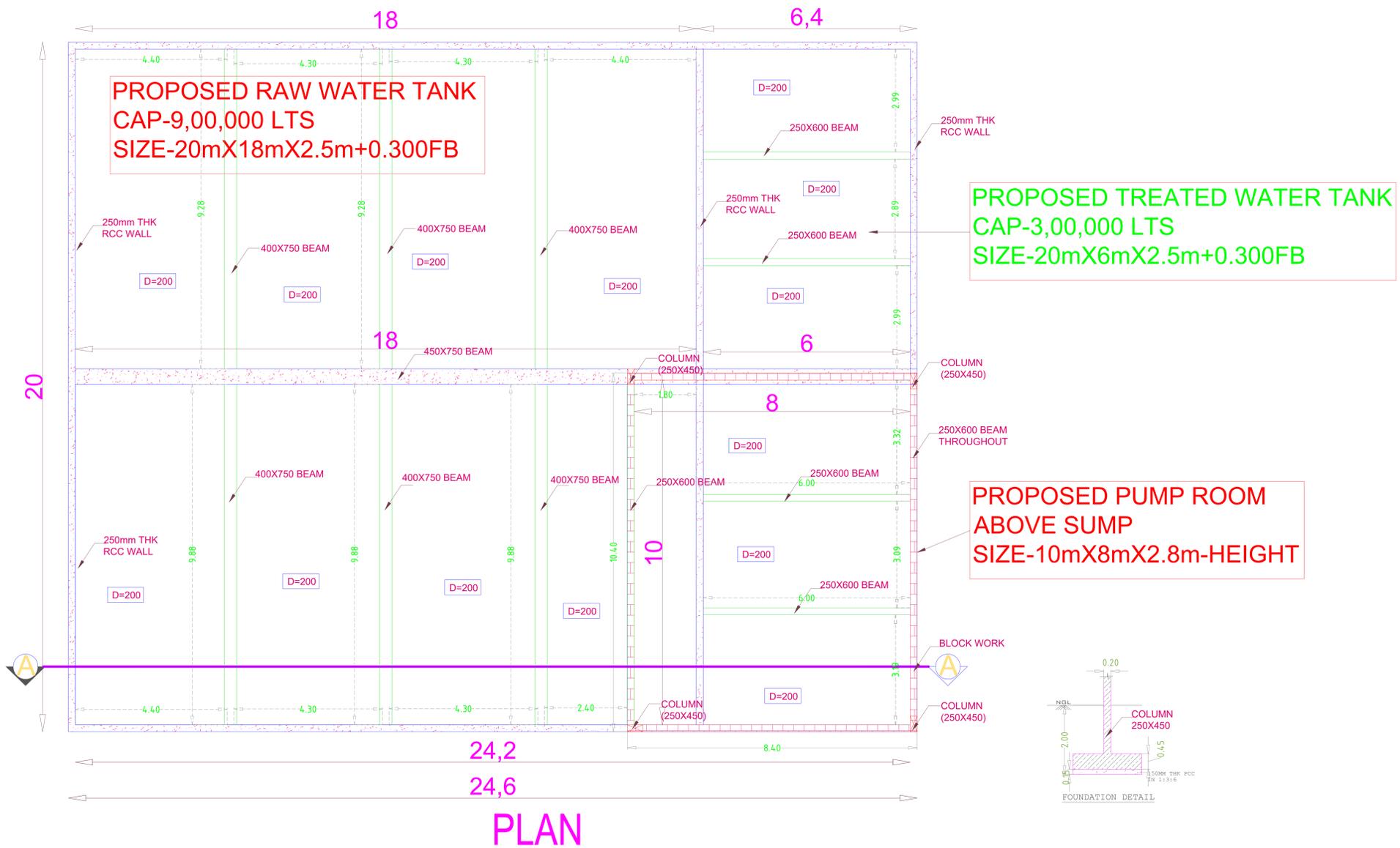
# 6.2. OVERHEAD TANK - PLAN AND SECTION

**PROPOSED OHT FOR PHASE-01&2**  
**CAP-3,00,000 LTS**  
**CIRCULAR TYPE TANK-16m HEIGHT**

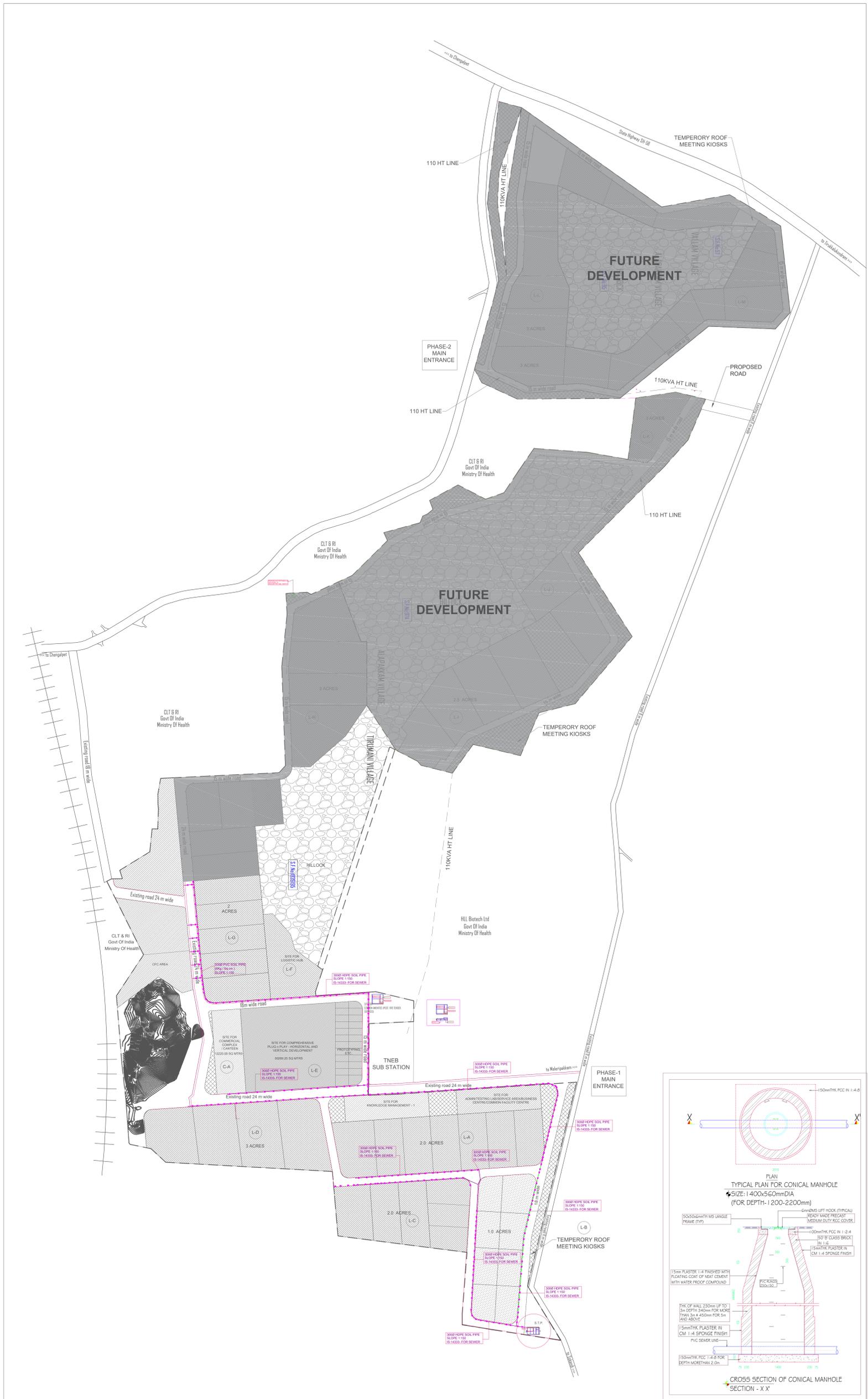


**SECTION C-C**

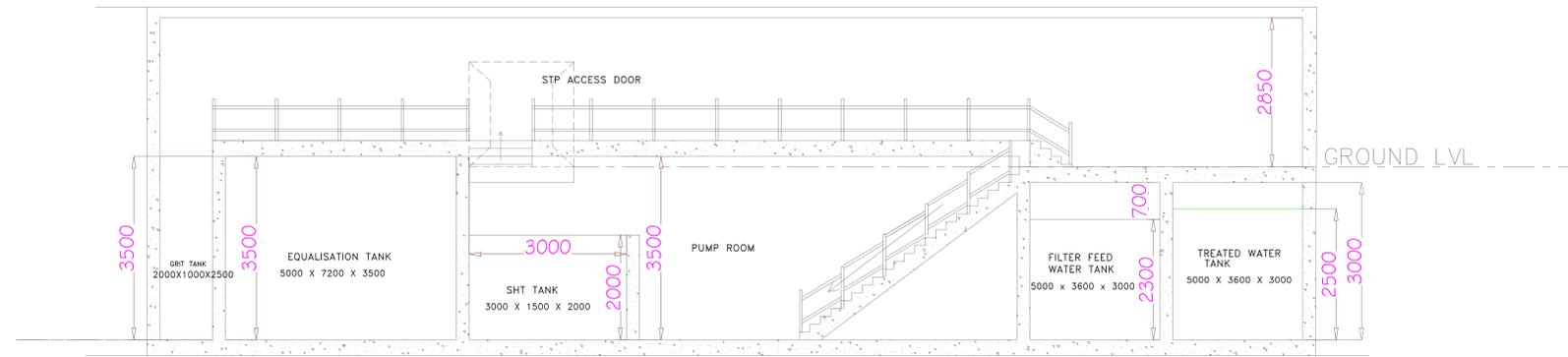
# 6.3. UNDERGROUND SUMP - PLAN AND SECTION



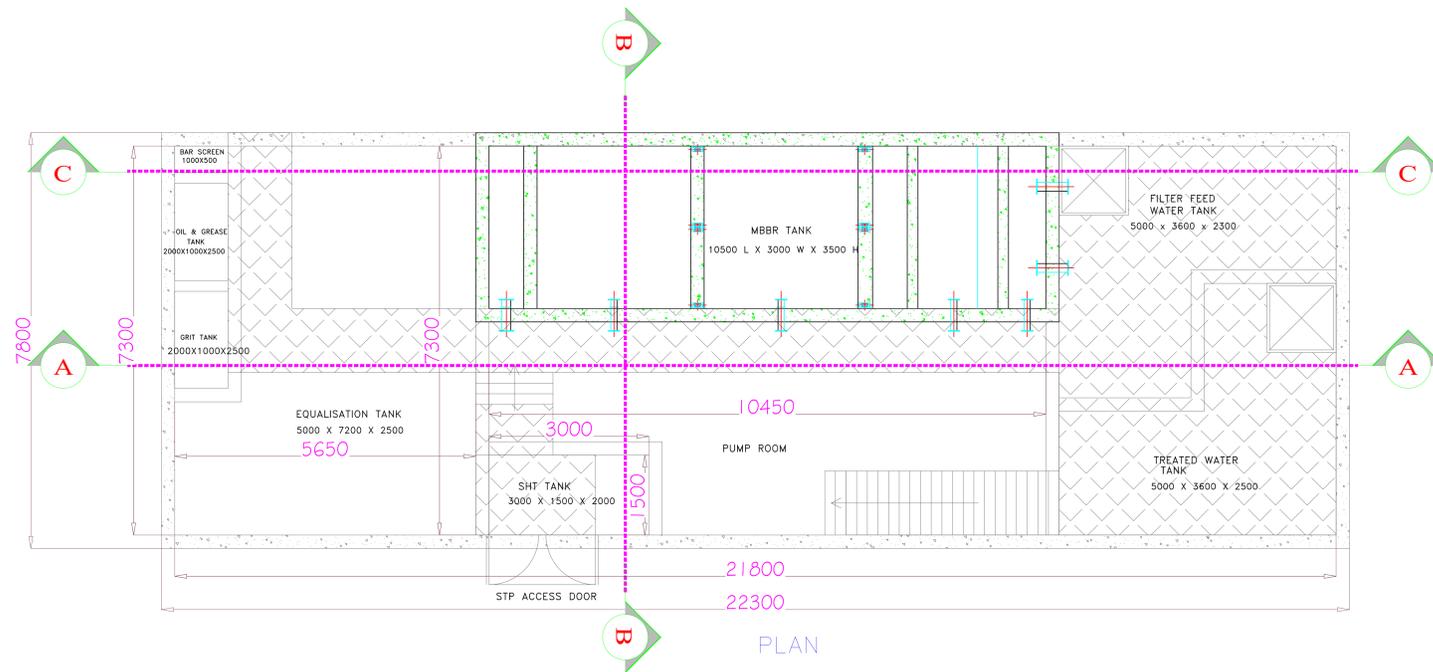
# 7.1. SEWERAGE NETWORK



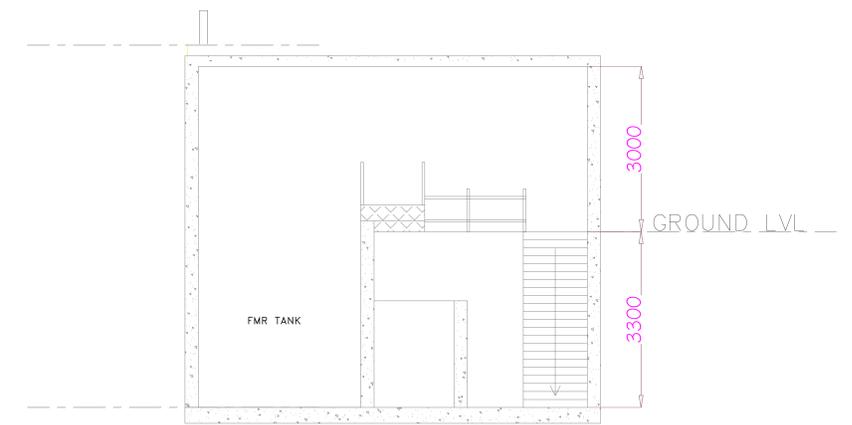
# 7.2. STP - PLAN AND SECTION



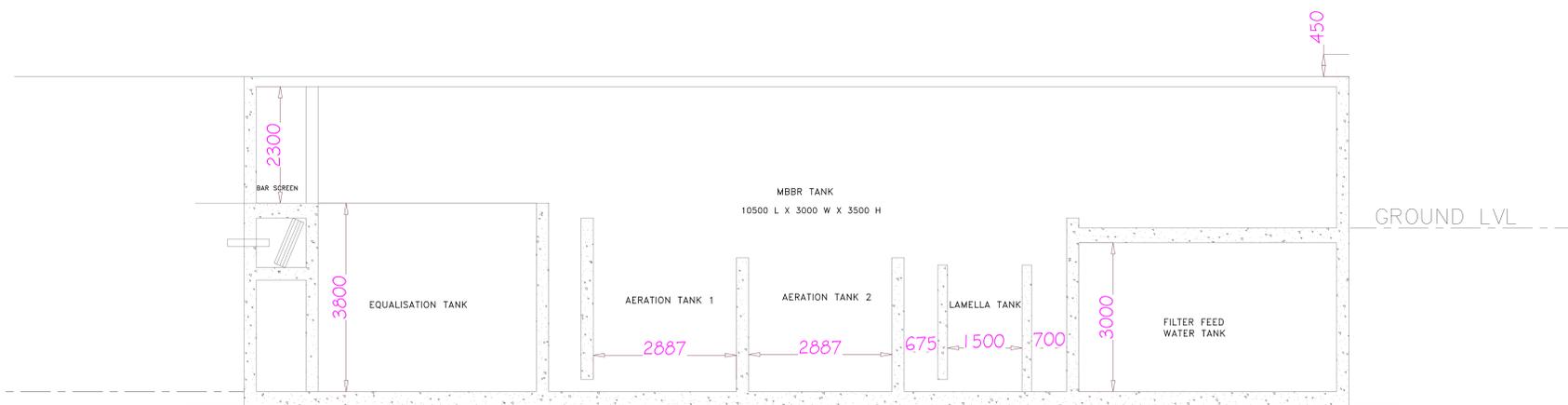
SECTION 'A-A'



PLAN



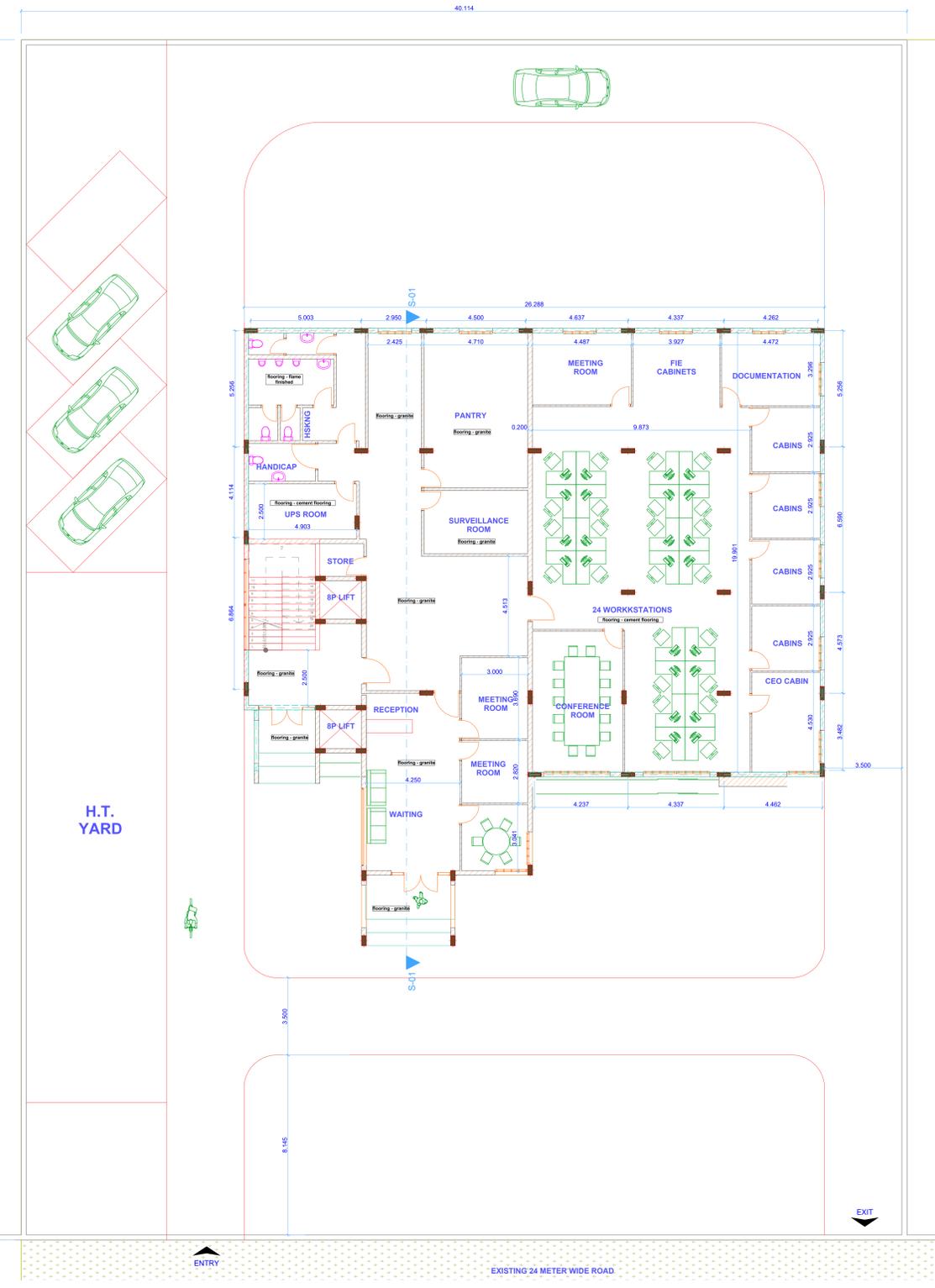
SECTION 'B-B'



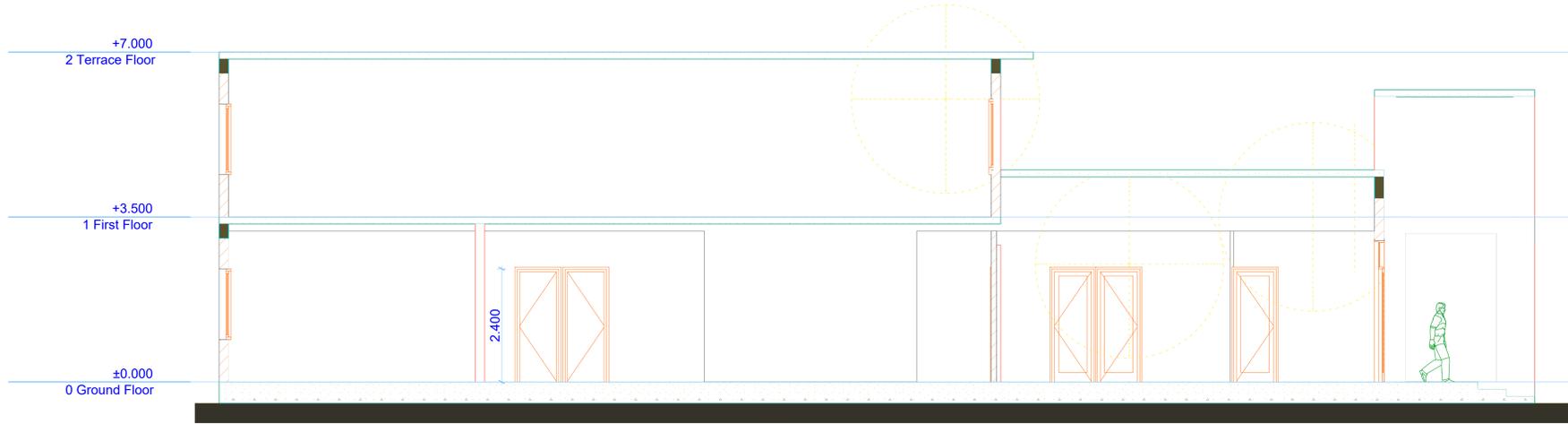
SECTION 'C-C'

EQUIPMENT LIST			
MARK	DESCRIPTION	SIZE / CAPACITY	NO.OFF
BS	BAR SCREEN	1000 X 500	1
BSC	BAR SCREEN CHAMBER	500 X 1000 X 1500	1
O&GT	OIL & GREASE TANK	2000 X 1000 X 2500	1
GT	GRIT TANK	2000 X 1000 X 2500	1
EQT	EQUALISATION TANK	5650 X 7300 X 2500	1
P1	FMR FEED PUMP	9.0 m <sup>3</sup> /hr @ 10 mwc	2
B1	AIR BLOWER	250.0 m <sup>3</sup> /hr @ 0.37 kg/cm <sup>2</sup>	2
FMR	MBBR TANK	10500 L X 3000 W X 3500 H	1
DT1	NaOCl DOSING TANK	100 LITS	1
DP1	NaOCl DOSING PUMP	8.5 LPH	1
FFWT	FILTER FEED WATER TANK	5000 x 3600 x 2300	1
P2	MGF FEED PUMP	9.0 m <sup>3</sup> /hr @ 20 mwc	2
MGF	MULTIGRADE FILTER	800 DIA X 1875 HOS	1
ACF	ACTIVATED CARBON FILTER	1200 DIA X 1875 HOS	1
TWT	TREATED WATER TANK	5000 X 3600 X 2500	1
P3	SLUDGE TRANSFER PUMP	OPTIONAL SUPPLY	2
SHT	SLUDGE HOLDING TANK	3000 X 1500 X 2000	1
P4	FILTER PRESS FEED PUMP	OPTIONAL SUPPLY	1
FP	FILTER PRESS	OPTIONAL SUPPLY	1

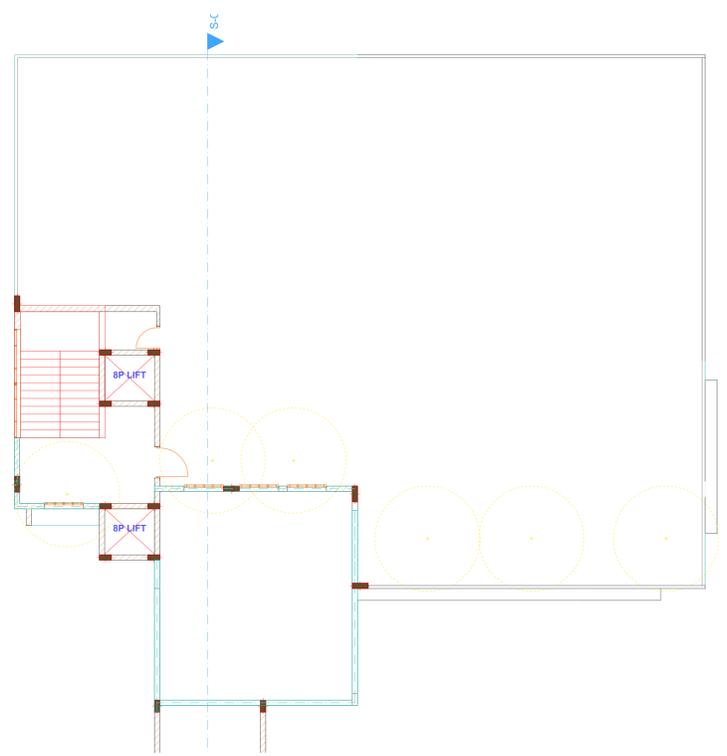
8.1. ADMINISTRATIVE BUILDING - PLAN AND SECTION



0. Ground Floor 1:200



S-01 Building Section 1:100



1. First Floor 1:200



Project	PROPOSED MEDIPARK TAMIL NADU
Drawing Name	Administrative Building Ground floor plan First floor plan Building section
Drawing Scale	1:200, 1:100
Layout ID	A.03

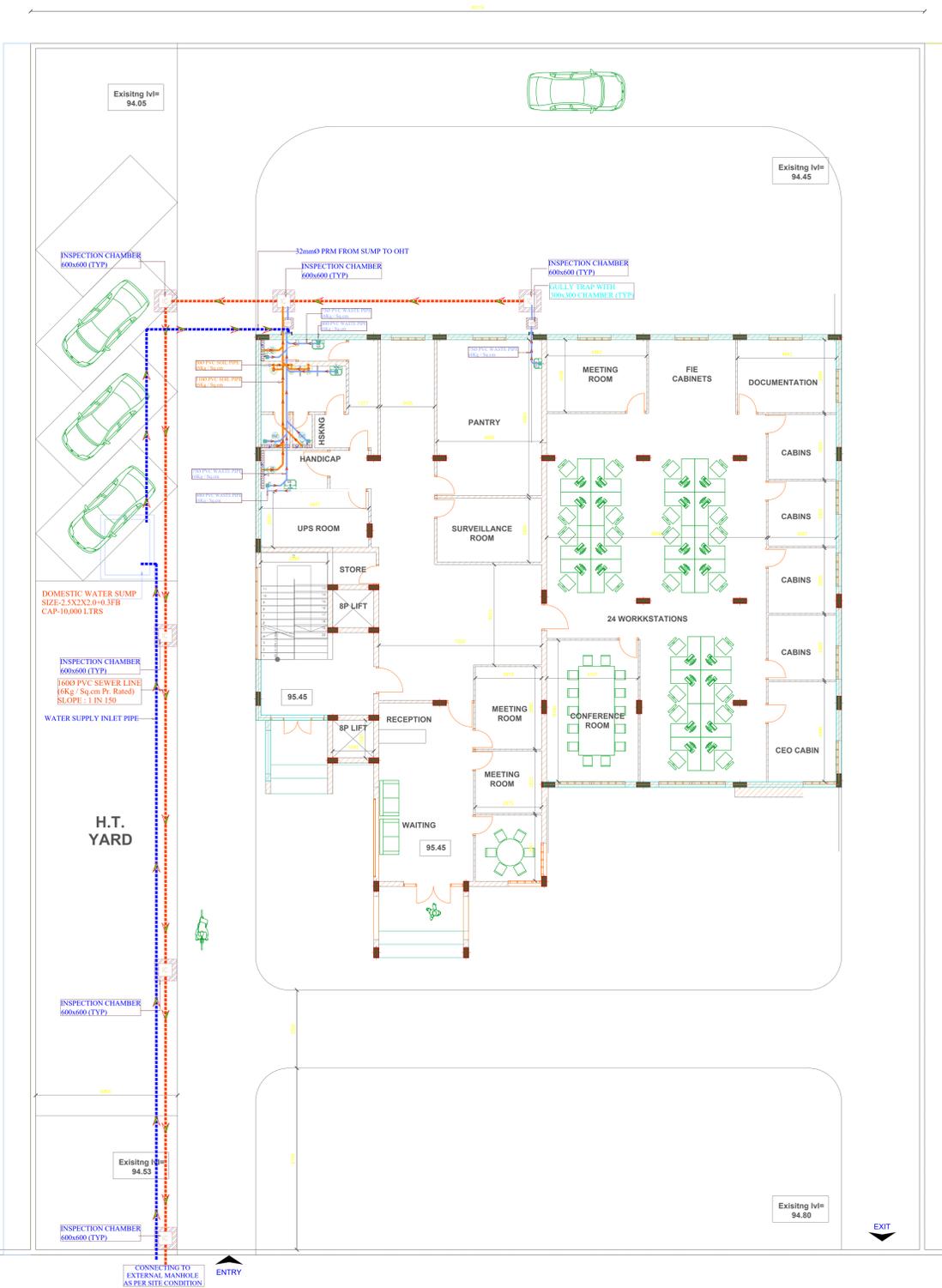
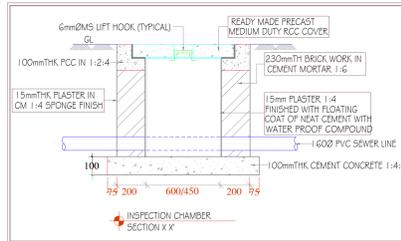
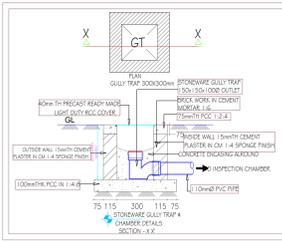
# 8.2. ADMINISTRATIVE BUILDING - WATER SUPPLY

0.

Ground Floor

1:200

EXISTING 24 METER WIDE ROAD  
LVL = 95.00



Sl. No	SCHEDULE OF FIXTURES / FITTINGS	MOUNTING HTS FROM F.F.L OF TOILET
01	WATER CLOSET	450 mm
02	HEALTH FAUCET	450mm
03	WASH BASIN	800 mm
04	SOAP DISH	900 mm
05	PAPER HOLDER	400 mm
06	TOWEL RING	1200 mm
07	SHOWER ARM WITH ROSE	2050 mm
08	WASHING MACHINE TAP POINT	750 mm
09	TOWEL RAIL	1800 mm
10	SPOUT FOR DIVERTOR	800 mm
11	AQUAGUARD POINT	1650 mm
12	HEALTH FAUCET FOR WC	450 mm
13	BOTTLE TRAP FOR WASH BASIN	450 mm
14	KITCHEN SINK	800x900mm
15	URINAL-	
16	SENSOR HEIGHT	1300mm
17	BOTTLE TRAP	400mm
18	URINAL UP	610mm

LEGEND	
WC	WATER CLOSET (WALL MOUNTED WITH CONCEALED FLUSH TANK)
SINK	STAINLESS STEEL SINK
WB	WASH BASIN
FT	FLOOR TRAP (1100x750 OUTLET)
BV	BALL VALVE
IC	INSPECTION CHAMBER
SF	SOIL PIPE 1100 PVC
WF	WASTE PIPE 750 PVC
UR	URINAL
HF	TAP HEALTH FAUCET FOR WC
OT/SE	OT/SE
SP 1100	1100 PVC SOIL PIPE
WP 400	400 PVC WASTE PIPE
WP 750	750 PVC WASTE PIPE
CWS	CWS PIPE (RHS)
CWS	CWS PIPE (LHS)
CWS	CWS PIPE (GRAVITY)
HMS	HOT WATER SUPPLY PIPE

Drawing Name	Ground Floor
Drawing Status	
Modified by	
Date	
Date	
Drawing Scale	1:200
Layout ID	A.03
Revision	

**NOTES:**  
 1. CONTROL VALVE TO BE PROVIDED AT ALL ENTRY POINTS OF WATER SUPPLY LINE.  
 2. ENCL. OUTLET - 1100 TYPE B.  
 3. FIT OUTLET - 750 TYPE B.  
 4. WB OUTLET - 400 6kg/5kg Cm PRESSURE PIPE.  
 5. KS OUTLET - 500 6kg/5kg Cm PRESSURE PIPE.  
 6. WATER SUPPLY LINE TO BE TESTED FOR 7.5kg/5kg Cm PRESSURE BEFORE FILLING THE CHASIS, AFTER CHECKING FOR WATER TIGHTNESS, CHASIS TO BE DONE.  
 7. DRAINAGE LINES TO TEST FOR 1M WATER HEAD.  
 8. TYPE B FOR SOIL & WASTE LINE.  
 9. TYPE A FOR RAIN WATER PIPES.  
 10. MS ANGLE SUPPORTS TO BE PROVIDED AT EVERY 1.5M C/C IN SHAFTS & ON TERRACE.  
 11. ALL SUSPENDED FLOOR/ P TRAPS TO BE SUPPORTED ON BRACKETS.

CONCEALED WATER SUPPLY LINES IN WALLS SHALL BE LAID AT 450mm ABOVE FFL.  
 CONCEALED HOT WATER SUPPLY LINES SHALL BE LAID AT 600mm.  
 HOT WATER LINE TO BE CONNECTED TO LEFTHAND SIDE OF SHOWER.  
 ALL INTERNAL PIPE DIA ARE 20mm CPVC-SDR11.  
 SHOWER MIXER TO SHOWER ROSE 200.  
 SENSER LOCATION ABOVE CEILING SHALL BE AS PER SITE CONDITION ELEC. TRICAL POINT FOR THE SAME NEEDS TO BE CO-ORDINATED.  
 MINIMUM AREA REQUIRED FOR SHOWER.  
 WASHBASIN/CWIC SHALL BE MARKED ANY RESIDUE IN DIMENSION SHALL BE UNIFORMLY ADJUSTED.  
 CORE CUTTING IN SLAB ADJACENT TO ANY STRUCTURAL MEMBER SHALL BE DONE ONLY AFTER OBTAINING APPROVAL FROM THE RESPECTIVE CONSULTANT THE MARKING SHALL BE DONE INCLUDING THE MINIMUM WORKING SPACE.

### 8.3. ADMINISTRATIVE BUILDING - LIGHTING LAYOUT



LEGEND	DESCRIPTION
	36W LED 600x600MM RECESS / SURFACE LIGHT
	15W LED RECESS / SURFACE DOWN LIGHT
	6W LED RECESS / SURFACE DOWN LIGHT
	36W LED 1200MM LONG BOX TYPE LIGHT
	14W LED MIRROR LIGHT
	6A ONE WAY SWITCH
	6A, SWITCHED SOCKET ON RAW POWER
	STEPPED FAN REGULATOR
	1200MM SWEEP CEILING FAN
	HEAVY DUTY EXHAUST FAN
	24W LED STREET LIGHT MOUNTED ON 4MTR POLE
	11W LED BOLLARD LIGHT
	24W LED GATE LIGHT

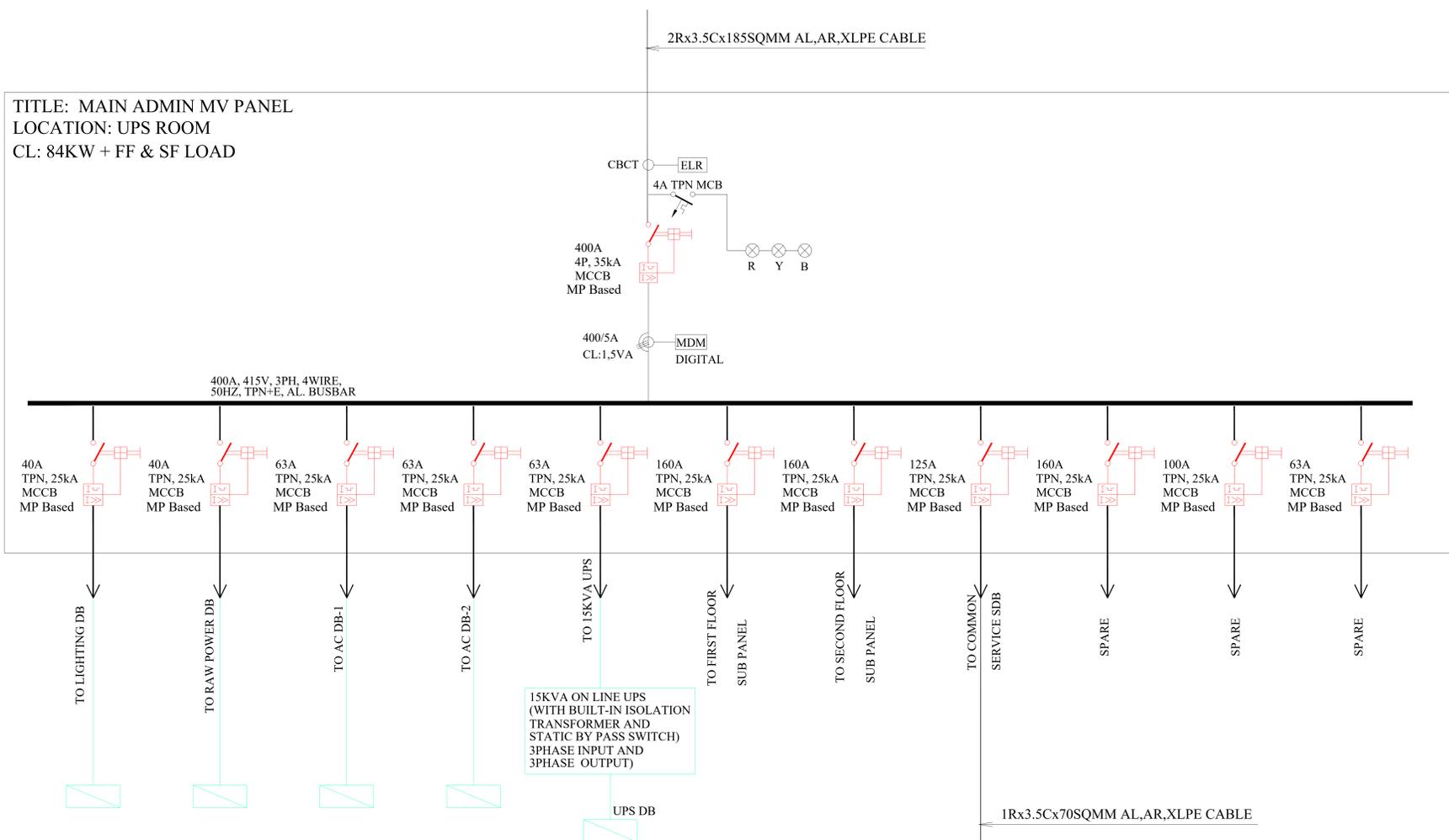
Project				
PROPOSED MEDIPARK, TAMIL NADU				
Client				
HLL MEDIPARK LIMITED				
Drawing Title				
ADMIN BLOCK (GROUND FLOOR) LIGHTING LAYOUT PLAN				
Original Scale	Drawn:CHP	Checked:CHH	Authorised	Size
NTS			Date:05.08.2020	A0
Drawing Number				REV NO.
SLD-02				



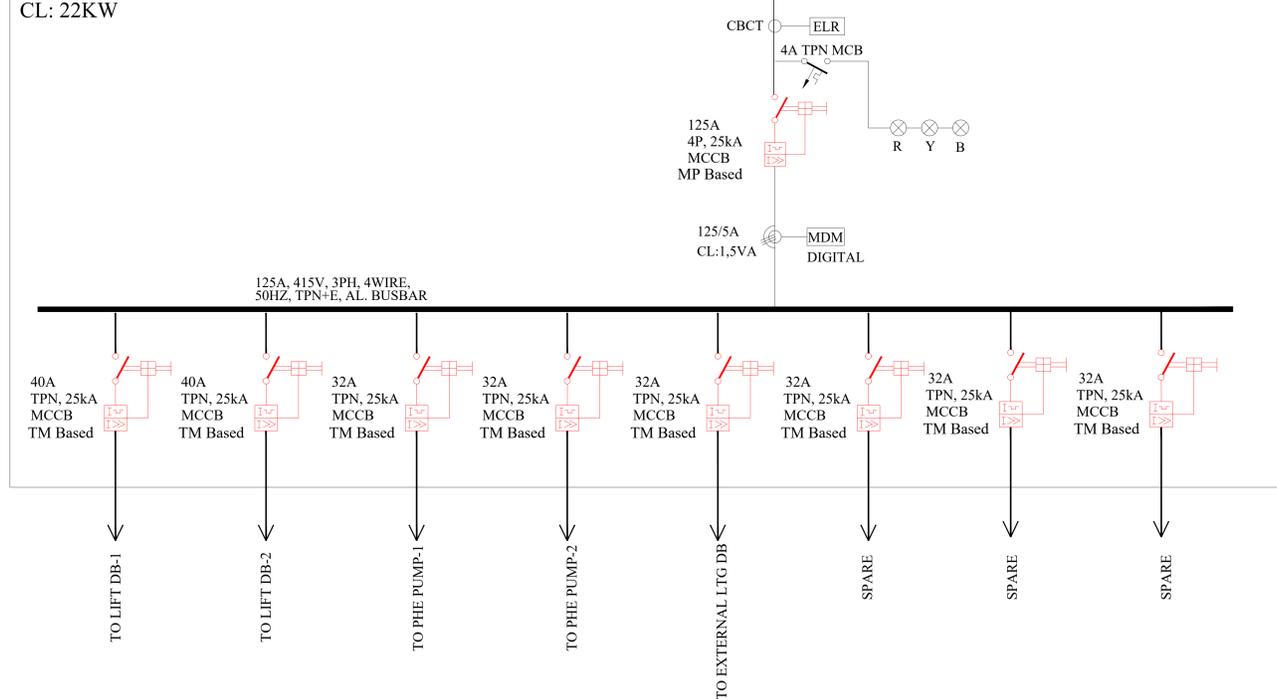
# 8.5. ADMINISTRATIVE BUILDING - SINGLE LINE DIAGRAM

INCOMING SUPPLY FROM MAIN EB, DG AMF, AUTO CHANGEOVER & LOAD BALANCING PANEL (LOCATED IN TR YARD ELECTRICAL ROOM)

TITLE: MAIN ADMIN MV PANEL  
LOCATION: UPS ROOM  
CL: 84KW + FF & SF LOAD



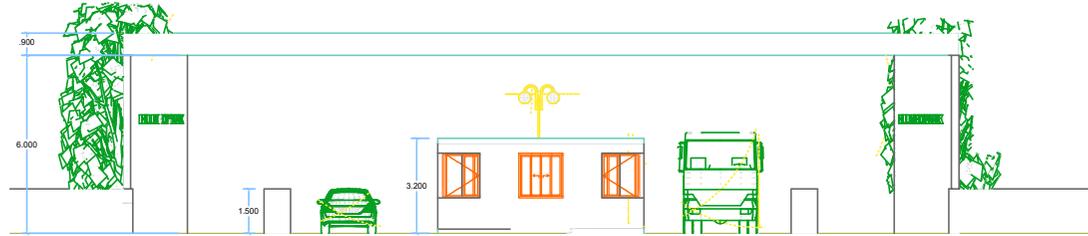
TITLE: MAIN COMMON SERVICE PANEL  
LOCATION: UPS ROOM  
CL: 22KW



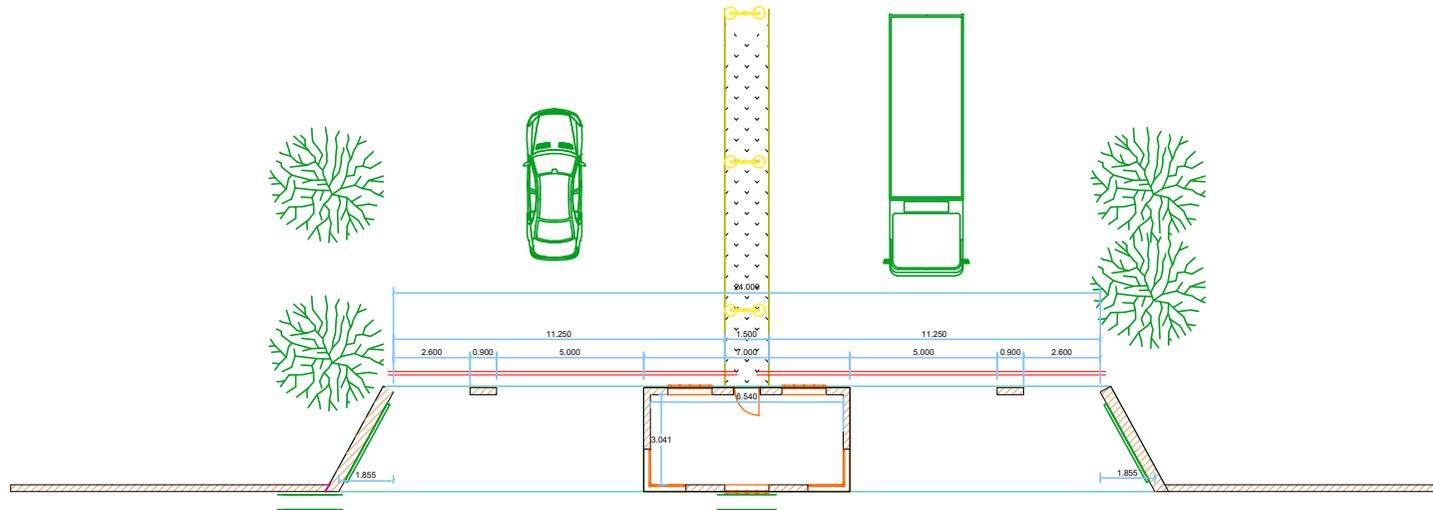
LEGEND	
SYMBOL	DISCRPTION
	MICRO PROCESSOR BASED MOULDED CASE CIRCUIT BREAKER WITH O/L, S/C, PROTECTION, (AS MENTIONED IN THE SLD)
	PHASE INDICATING LAMP
	CORE BALANCE CURRENT TRANSFORMER
	EARTH LEAKAGE RELAY
	CURRENT TRANSFORMER
	10 KA MINIATURE CIRCUIT BREAKER
	DIGITAL VOLTMETER WITH SELECTOR SWITCH
	MULTI DATA METER WITH MAX. DEMAND AND WITH RS 485 PORT

Project				
PROPOSED MEDIPARK, TAMIL NADU				
Client				
HLL MEDIPARK LIMITED				
Drawing Title				
SINGLE LINE DIAGRAM				
Original Scale	Drawn:CHP	Checked:CHH	Authorised	Size
NTS			Date:05.08.2020	A0
Drawing Number				REV. NO.
SLD-02				

9.1. ENTRANCE GATE - PLAN AND ELEVATION

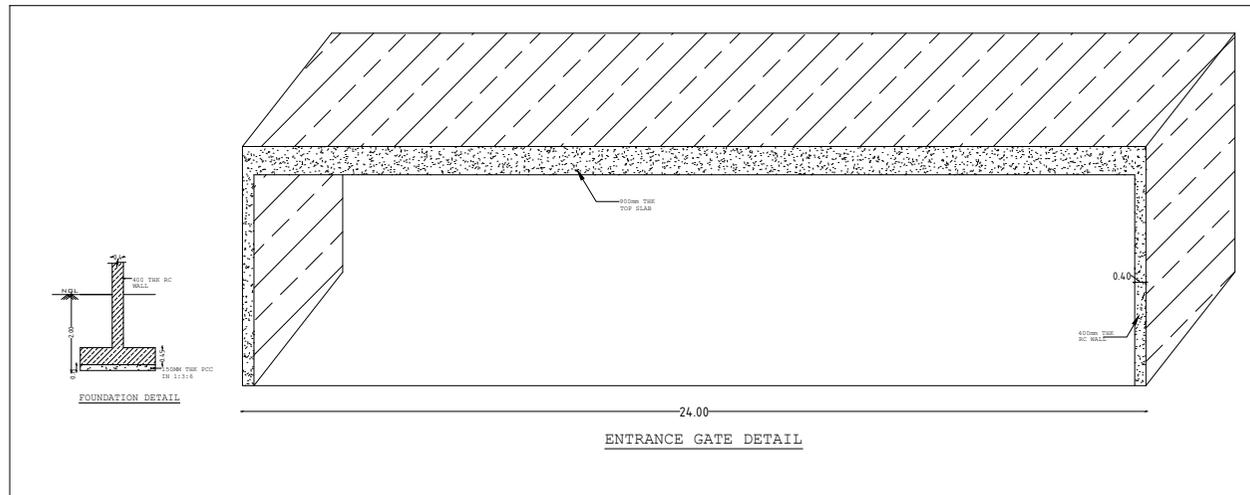
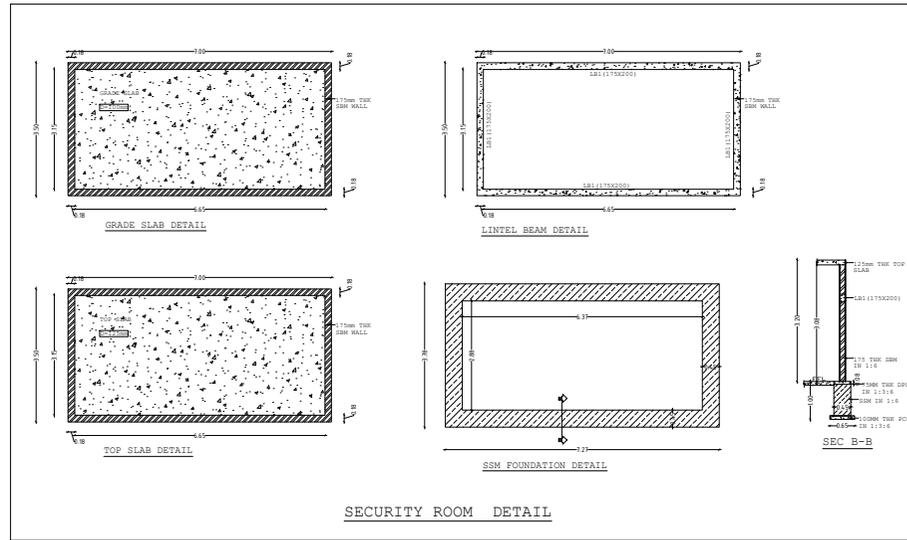


ENTRANCE GATE  
ELEVATION

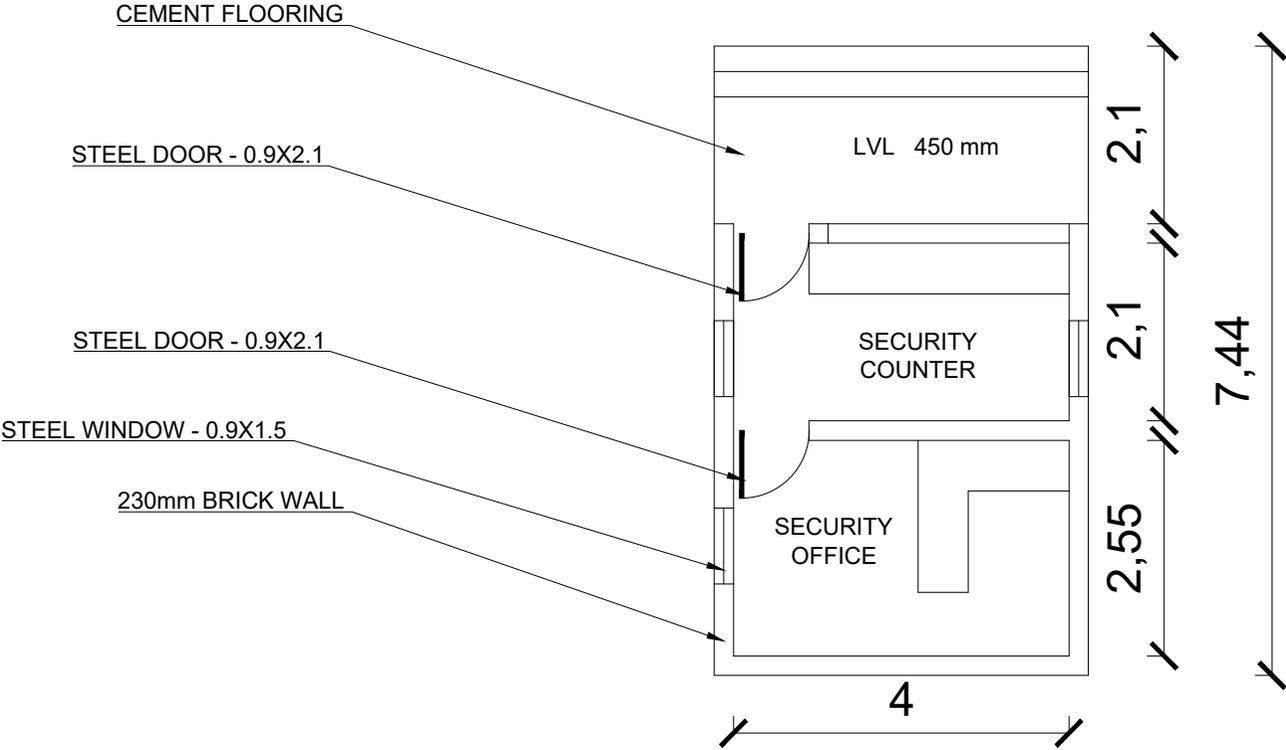


ENTRANCE GATE  
DETAIL

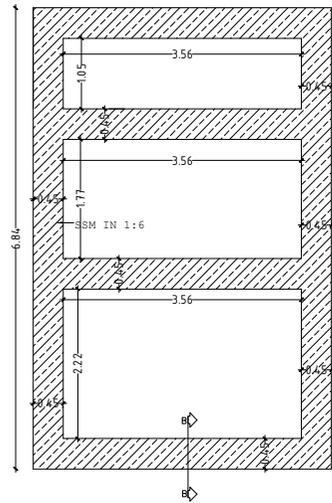
## 9.2. ENTRANCE GATE AND SECURITY ROOM - STRUCTURAL DETAILS



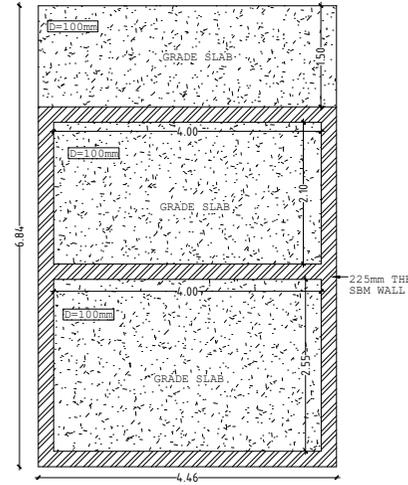
9.3. SECURITY ROOM - PLAN



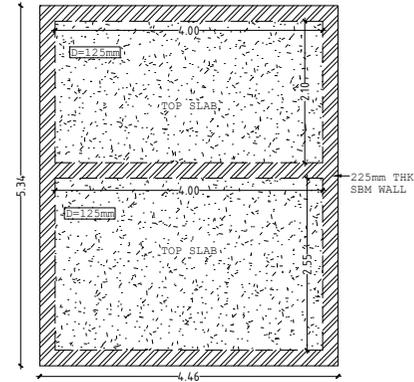
# 9.4. SECURITY ROOM - STRUCTURAL DETAILS



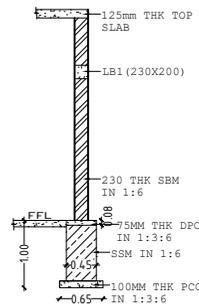
SSM FOUNDATION DETAIL



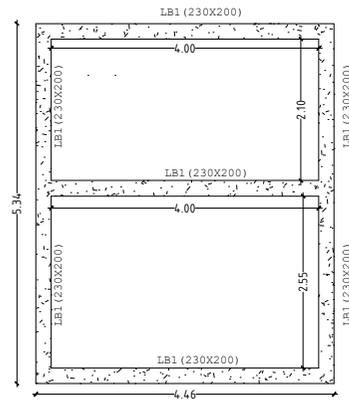
GRADE SLAB DETAIL



TOP SLAB DETAIL



SEC B-B



LINTEL BEAM DETAIL