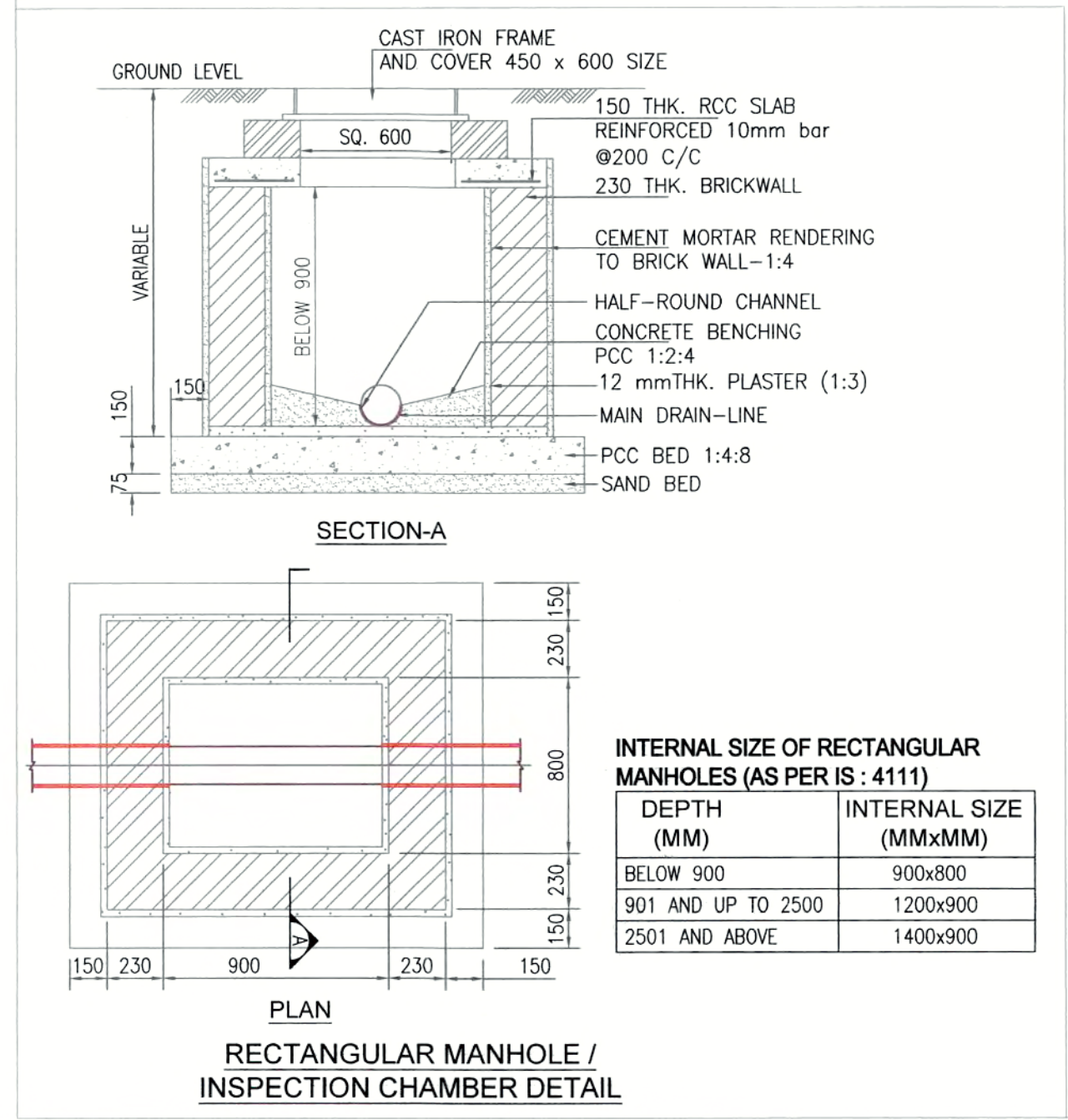


PLUMBING LEGEND:-

	SEWER MANHOLE(910# & ABOVE)
	SEWER MANHOLE
	SW-SEWER LINE
	150# SOIL & WASTE WATER PIPE(FROM PLOT)

SEWER MANHOLE SIZE :-

DIA OF M.H	DEPTH OF MH
910mm Dia	900 TO 1650
1220mm Dia	1650 TO 2300
1520mm Dia	2300 & ABOVE



		AREA (in sq.ft.)	
TOTAL LAND AREA	393951.40	3.66	ha
UNDER ENCROCH.	43762.10	0.41	ha
REMAINING AREA	350189.30	3.25	ha

S.N.	LAND-USE	AREA (in sq.ft.)	%
1	RESIDENTIAL PLOTS	162361.00	46.36
2	AFF. HOUSING PLOTS (10% OF TOTAL RESIDENTIAL AREA)	18835.00	5.38
3	INFORMAL SECTOR	7292.00	2.08
	1+2+3	188488.00	53.82
4	PARK	17610.00	5.03
5	FACILITY - 1	17560.00	5.01
5	FACILITY - 2	17571.00	5.02
	4+5+6	52741.00	15.06
5	ROADS & PATHWAYS	108960.00	31.11
	TOTAL AREA	350189.00	100.0
		12.86	BIGHA
		3.25	HECT.

SOMANATH BEHERA
B. TECH CIVIL
MEP CONSULTANT

PLUMBING & FIRE FIGHTING CONSULTANT:

BEHERA ASSOCIATES PVT.LTD
F-623a, LADO SARAI
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rev. no. date revision

PROJECT: Direction

Promoter Name: Verat Technoplast Private Limited
Project Name: City Greens
Project Address: Kharsa No. 618, Revenue Village-Kosmidisar, Bikaner-334003

DRG. TITLE:- SITE PLAN (SEWER LAYOUT)

DRG/ NO. PL/BA/H-B-01A

OWNER:

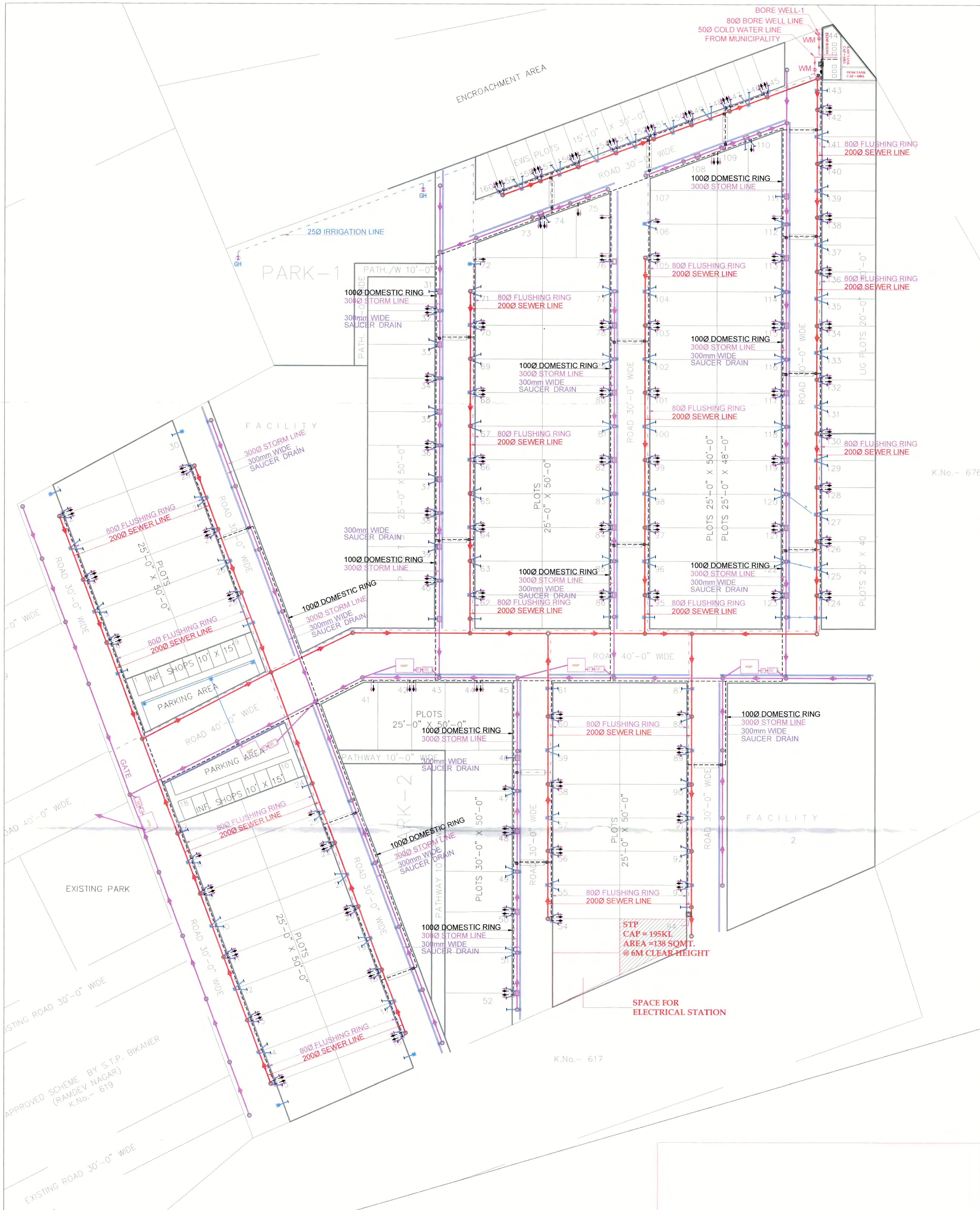
drawing released for

☐ APPROVAL ☐ G.F.C.

☒ SUBMISSION ☐ CONSTRUCTION

scale:- A1 - 1:500 date:- 07-05-24

drawn by:- RAJ ckd by:- S.BEHERA



PLUMBING LEGEND:-

	SEWER MANHOLE(910mm & ABOVE)
	SEWER MANHOLE
	SW-SEWER LINE
	1500mm SOIL & WASTE WATER PIPE(FROM PLOT)

SEWER MANHOLE SIZE :-

DIA OF M.H	DEPTH OF MH
910mm Dia	900 TO 1650
1220mm Dia	1650 TO 2300
1520mm Dia	2300 & ABOVE

PLUMBING LEGEND:-

	STORM MANHOLE(910mm & ABOVE)
	STORM CATCH BASIN
	ST-STORM WATER LINE
	1500mm RAIN WATER PIPE(FROM PLOT)
	RAIN WATER HARVESTING PIT
	CATCH DRAIN (450x300mm)

PLUMBING NOTE FOR STORM WATER :-

CATCH BASIN SIZE (MM)	DEPTH OF CB (MM)
CB - 600 X 600 mm	600 - 750 mm
CB - 750 X 750 mm	750 TO 900 mm

Plumbing Note :-

DIA OF M.H	DEPTH OF MH
910mm Dia	900 TO 1650
1220mm Dia	1650 TO 2300
1520mm Dia	2300 & ABOVE

WATER SUPPLY LEGEND:-

	VALVE
	DWS-DOMESTIC WATER SUPPLY
	FWS-FLUSHING WATER SUPPLY
	R.C.C. HUME PIPE FOR ROAD CORISING
	COLD WATER SUPPLY (FROM MUNICIPALITY)
	IRRIGATION LINE FROM S.T.P.
	GARDEN HYDRANT
	WATER METER
	BUTTERFLY VALVE CHAMBER

PIPE DIA AS PER SITE

PLAN

150mm THICK P.C.C 1:2:4

SFRC COVER WITH FRAME 560mm DIA (HEAVY TYPE)

SECTION

DIA. MANHOLE	H1	H2	H3	H4	H5	T1	T2	T3	T4	T5	REMARKS
750	900	-	-	-	-	1 BK	-	-	-	-	SOLING OF 250MM THICK WILL BE PROVIDED WHERE THE SITE ENGINEER WILL FEEL NECESSARY
900	750	DEPTH VARIABLE UPTO 750	-	-	-	1 BK	1 BK	-	-	-	
1200	1350	-do-	-	-	-	1 BK	1 BK	-	-	-	
1500	1950	750	2100	4050	DEPTH VARIABLE UPTO 4000	1 BK	1.5 BK	2 BK	2.5 BK	3 BK	
1800	1950	750	2250	4050	-do-	1 BK	1.5 BK	2 BK	2.5 BK	3 BK	

INTERNAL DIAMETER OF CIRCULAR MANHOLES (AS PER IS : 4111)

DEPTH OF MANHOLE (MM)	INTERNAL DIAMETER (MM)
ABOVE 900 AND UP TO 1650	900
1651 AND UP TO 2300	1200
2301 AND UP TO 9000	1500
ABOVE 9001 AND UP TO 14000	1800

DETAIL AT FILLED UP AREA WHERE COMPACTION IS DOUBT FULL

ABBREVIATIONS

H	HEIGHT OF WALL
T	THICKNESS OF WALL
D	DIA. OF MANHOLE
d	DIA. OF PIPE
Dc	DEPTH OF BED CONC.
BK	BRICK

N.G.L. = NATURAL GROUND LEVEL

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rev. no.	date	revision
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Project Name: City Greens		
Project Address: Kharsa No. 618, Revenue Village-Khimdasar, Bikaner-334003		
DRG. TITLE:		
SITE PLAN		
DRG/ NO.		
PL/BA/H-B-01		
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drawing released for		
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