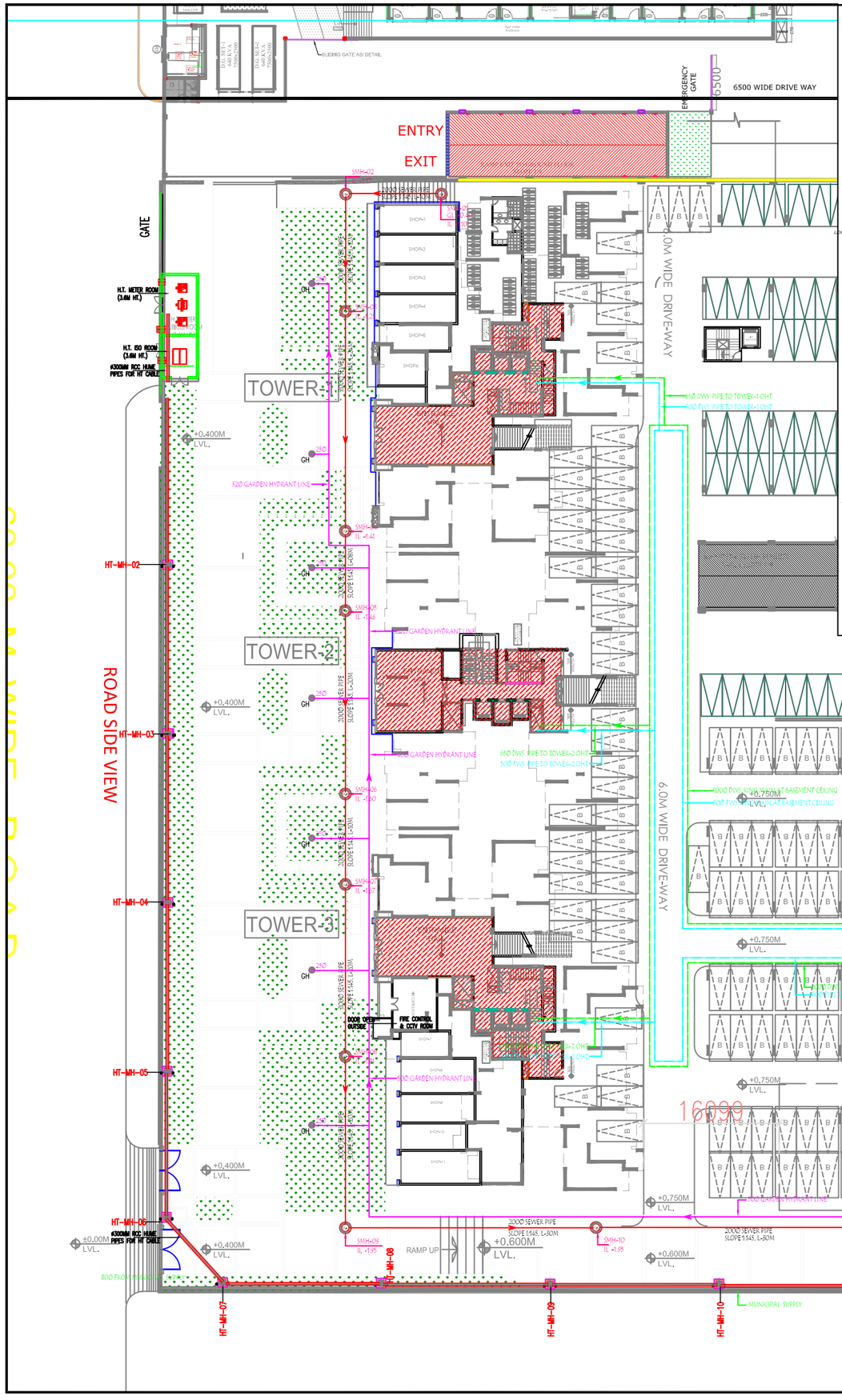

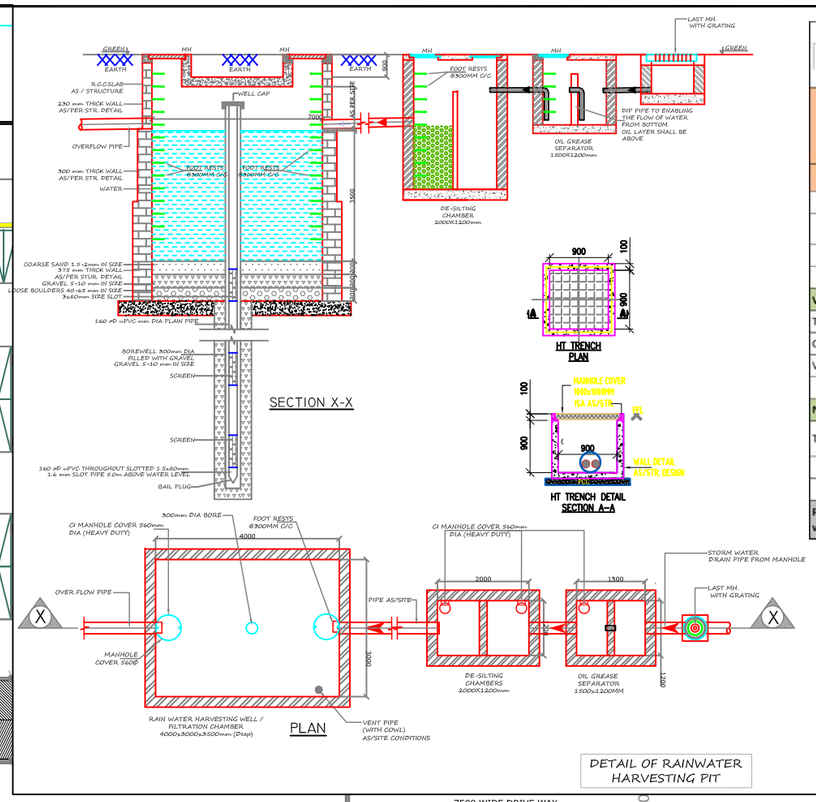

The image...	PROJECT	CRC 8A		PREPARED BY	RK
	PROJECT ADDRESS	NOIDA		CHECKED BY	MS
	DOCUMENT TITLE	HARVESTING PIT CALCULATION		DATE	09-12-2020

S.No.	Type of Structure/Surface	Catchment Area [A]		Run off Coefficient [C]	Design Intensity of rainfall	Discharge	Total Discharge (Q)
		Sqm	Hectare		(mm/hr)	(Run off) [Q=10 C]A]	(m3/hr)
		a	b= a/10000	c	d	e= 10 X c X d X b	f=e
1	Terrace Area	3737.00	0.37	0.85	45	142.94	142.94
2	Paved Area + Parking Area + Road Area	22167.20	2.22	0.70	45	698.27	698.27
3	Green Area	16101.80	1.61	0.20	45	144.92	144.92
	Total Site Area	42006.00	4.20				
VOLUME OF STORM WATER (By Adding 1+2+3)							986.12
Total storm water flow				=			986.12
Considering 15 minutes retention period				=			246.53
Volume of one no. RWH Structure				=			4X3X3.5 m
				=			42
No of RWH Structure required:-							
Total RWH Structures required				=		Total Volume	Volume of 1 RWH
				=			5.9
				=		SAY	6 Nos

Providing 6 Nos. Recharge Structure of size 4.0 m x 3.0 m x 3.5 m effective depth having recharge well of Borehole 300 mm (12") dia with 160(6")OD UPVC slotted pipe with screen.

LEGEND

DESCRIPTION	SYMBOL
RCC HUME PIPE	
HT MANOHLE	HT-MH
LT CABLE TRENCH	
SEWAGE PIPE	
CIRCULAR MANHOLE FOR STORM WATER	SWMH
FLUSHING WATER SUPPLY	
DOMESTIC WATER SUPPLY	
IRRIGATION WATER SUPPLY	
MUNICIPAL WATER SUPPLY	
WATER METER	W.M.
GARDEN HYDRANT NOZZLE	GH
SEWAGE PIPE	
CIRCULAR MANHOLE FOR SEWER	SMH

Date	Rev. no.	Description

Project:
SUBMISSION OF GROUP HOUSING HABITECH INFRASTRUCTURE LIMITED AT PLOT NO GH-08A SECTOR - TECH ZONE -IV, GREATER NOIDA , U.P.

Client:

Title:
SITE PLAN

Subtitle:
SITE PLAN
MEP LAYOUT

Drawing Released For:
☐ APPROVAL ■ EC SUBMISSION
☐ ADVANCE COPY ☐ CONSTRUCTION

Scale	Date	Sheet No.
1:300	09-12-2020	PL-MEP-01

Architects:

OWNER ARCHITECT