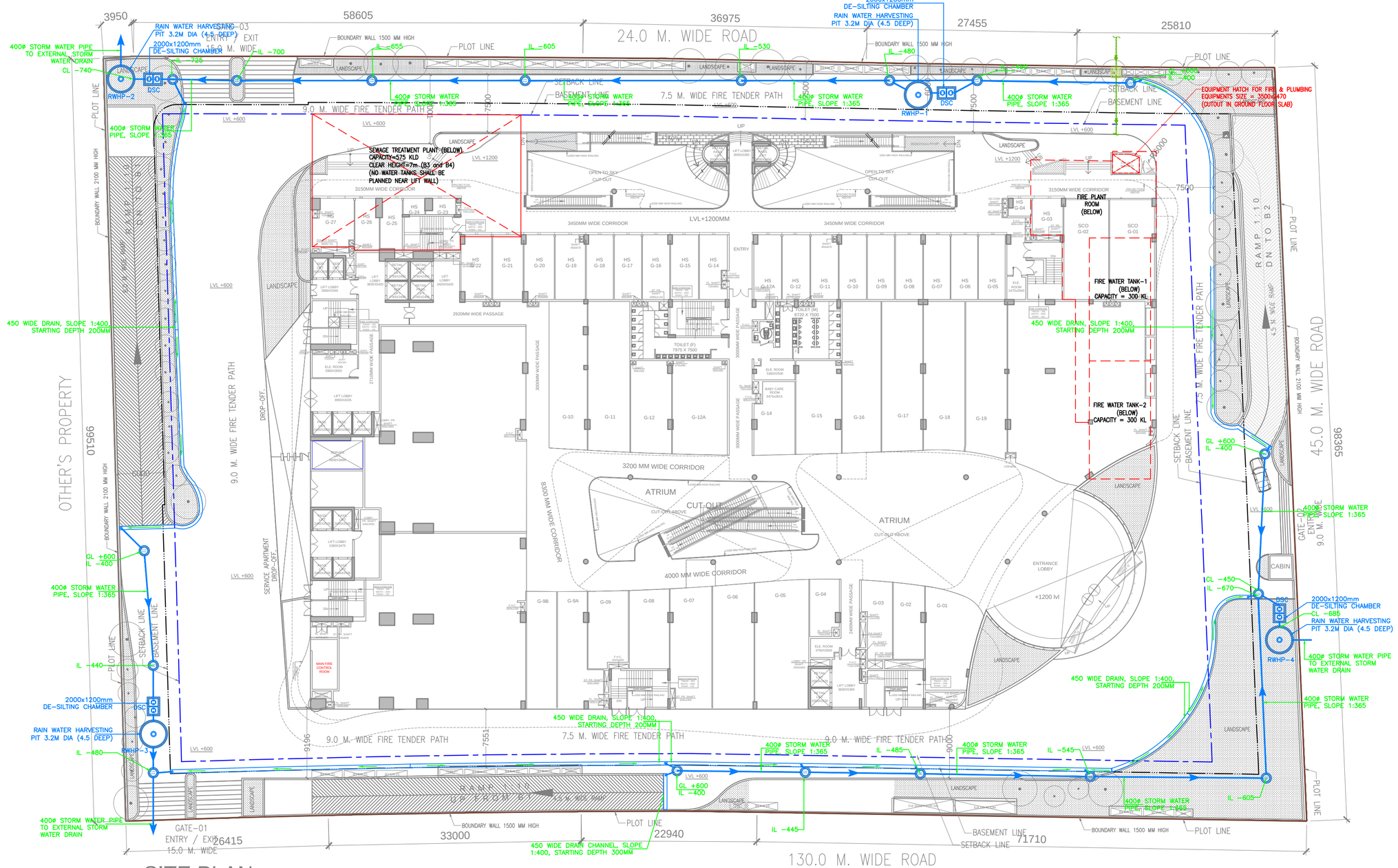


SITE PLAN

NOTES:-

1. ALL DIMENSIONS & LEVELS ARE IN MILLIMETERS.
2. ALL THE AREAS INDICATED ARE IN SQ.M.
3. COLUMNS ARE ONLY INDICATIVE AND WILL BE AS PER RELEVANT STRUCTURAL DRAWINGS.
4. ALL LIFT, ESCALATOR & MACHINE ROOM SHOULD BE AS PER ISI STANDARD.

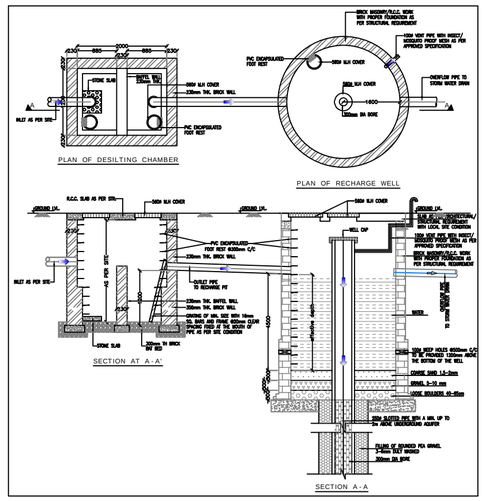
KEY PLAN

LEGEND FOR STORM WATER

DESCRIPTION	SYMBOL
STORM WATER PIPE	
CIRCULAR MANHOLE FOR STORM WATER	

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 CIA] m^3/hr	(m3/hr)
		a	b=a/10000	c	d	e= 10 X c X d X b	f=e
1	Terrace Area	6035.6	0.60	0.9	45	244.44	244.44
2	Hardscape (Pathways/Driveways)	5253	0.53	0.8	45	189.12	189.12
3	Green Area	3800	0.38	0.15	45	25.65	25.65
	Total Site Area	15089	1.51				
VOLUME OF STORM WATER (By Adding 1+2+3)							459.21
Total storm water flow				=			459.21
Considering 15 minutes (0.25hr) retention period				=			114.80
Volume of one no. RWH Structure				=			3.14*(1.6*1.6)*4.5
				=			36.17m3
No of RWH Structure required:-							
Total RWH Structures required				=		Total Volume / Volume of 1 RWH	
				=			3.2
				=		SAY	4 Nos
Providing 4 Nos. Recharge Structure of size 3.2 m diameter x 4.5 m effective depth having recharge well of Borehole 300 mm [12"] dia with 160(6") OD UPVC slotted pipe with screen.							

Page 1



REV. NO.	DATE	DESCRIPTION

PROJECT
PROPOSED COMMERCIAL AT PLOT NO. C-1B, SECTOR-16B, GR. NOIDA, G.B. NAGAR, (U.P)

OWNER: –
M /S CIVITECH BUILDCON PVT. LTD.
65, SHRESTHA VIHAR, DELHI, 110092

ARCHITECT'S SEAL | OWNER'S SEAL

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DRAWING TITLE
SITE PLAN
STORM WATER
DRAINAGE LAYOUT

NORTH

DRWN	Y.K.	DATE	02-01-2023
CHKD	U.K.	SCALE	1:250
APPD	P.G.	SHEET	A1
DRG. No:	PC-CVTH-SP-DR-100	REV. No:	R0

☑ SUBMISSION DRAWING
☐ WORKING DRAWING
☐ TENDER DRAWING
☐ GOOD FOR CONSTRUCTION