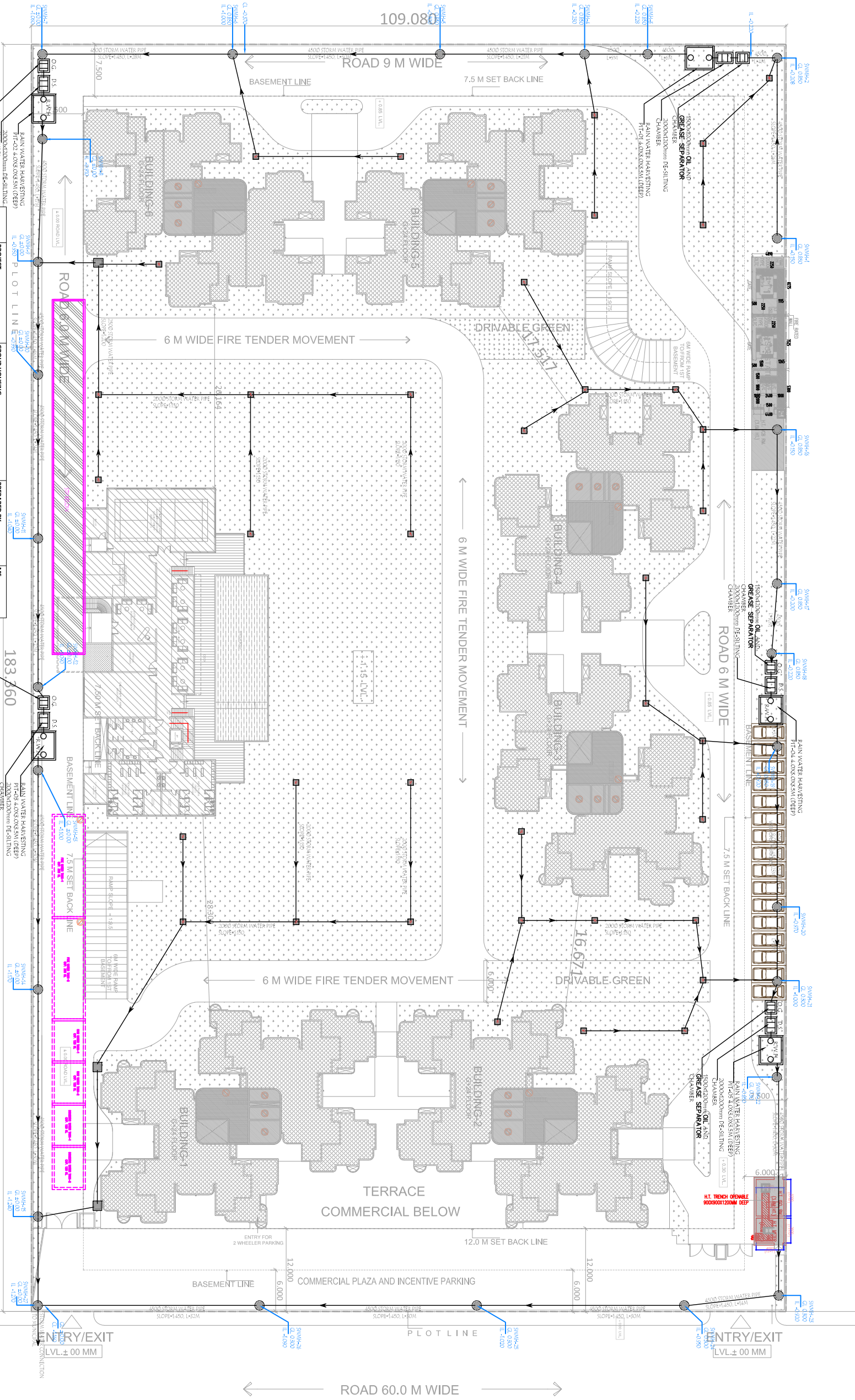




PROJECT	GROUP HOUSING	PREPARED BY	MS
PROJECT ADDRESS	Noida	CHECKED BY	SG
DOCUMENT TITLE	HARVESTING P.T. CALCULATION	DATE	18-12-2017

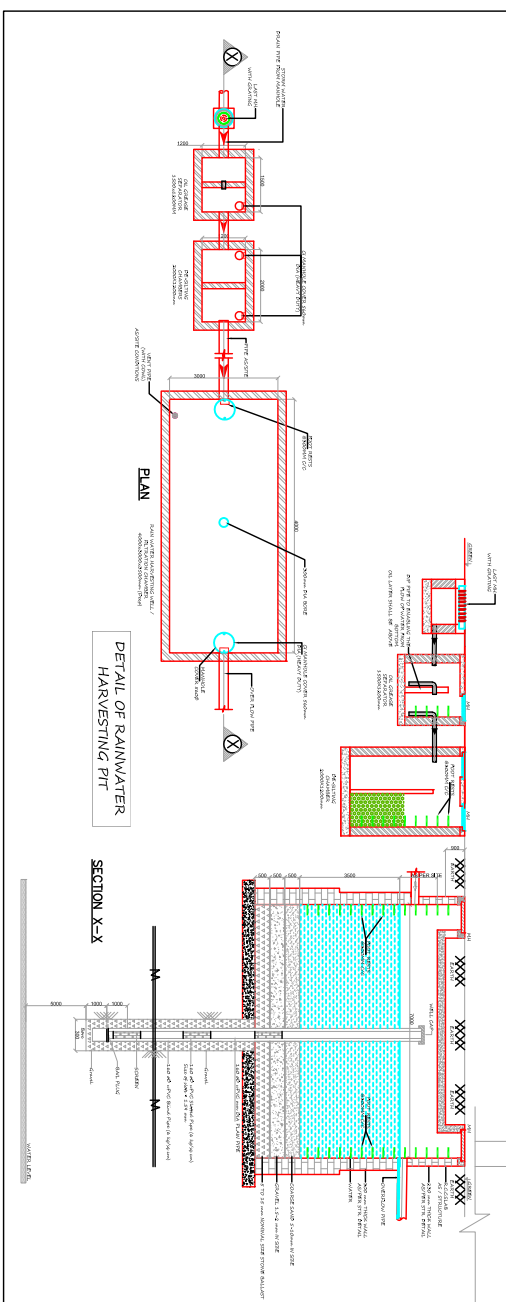
S.No.	Type of Structure/Surface	Catchment Area [A]		Run off Coefficient [C]	Design Intensity of rainfall (mm/hr)	Discharge (Run off) [Q=10 C A] X b	Total Discharge [Q]
		Sqm	Hectare			a	
1	Terrace Area	4836.00	0.48	0.85	45	184.98	184.98
2	Paved Area + Parking Area	2793.97	0.28	0.60	45	75.44	75.44
3	Green Area Above Basement	6700.03	0.67	0.60	45	180.90	180.90
4	Road Area	5670.00	0.57	0.70	45	178.61	178.61
Total Site Area		20000.00	2.00				619.92

VOLUME OF STORM WATER (b) Adding 1+2+3+4)

Total storm water flow	=	619.92
Considering 20 minutes (0.33hr) retention period	=	204.57
Volume of one no. RWH Structure	=	4X3X3.5 m
No of RWH Structure required:-	=	42

Total RWH Structures required	=	Total Volume
	=	Volume of 1 RWH
	=	4.9
	=	SNV
	=	5 Nos

Providing 5 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 160/700 UPVC slotted pipe with screen.



LEGEND	
STORM WATER PIPE	SYMBOL
CIRCULAR MANHOLE FOR STORM WATER	SYMBOL
MANHOLE 600X600mm	SYMBOL
MANHOLE 700X700mm	SYMBOL

SUBMISSION DRAWING

PROJECT :
PROPOSED GROUP HOUSING AT PLOT NO GH 11A , SECTOR 1 , GREATER NOIDA

CLIENT :
ENTICEMENT INFRASTRUCTURE PVT.LTD.

SHEET TITLE :
SITE PLAN

RAIN WATER HARVESTING LAYOUT PLAN

DATE :	09-12-17	DRG.NO :	PL-RWH-01
SCALE :	1:300	NORTH:	
OWNERS SIGN		ARCHITECTS SIGN	

ARCHITECTS:
SPACE DESIGN GROUP
W-139, GREATER KALASHI, NEW DELHI -48
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EMAIL: spaceesigngroup@rediffmail.com

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