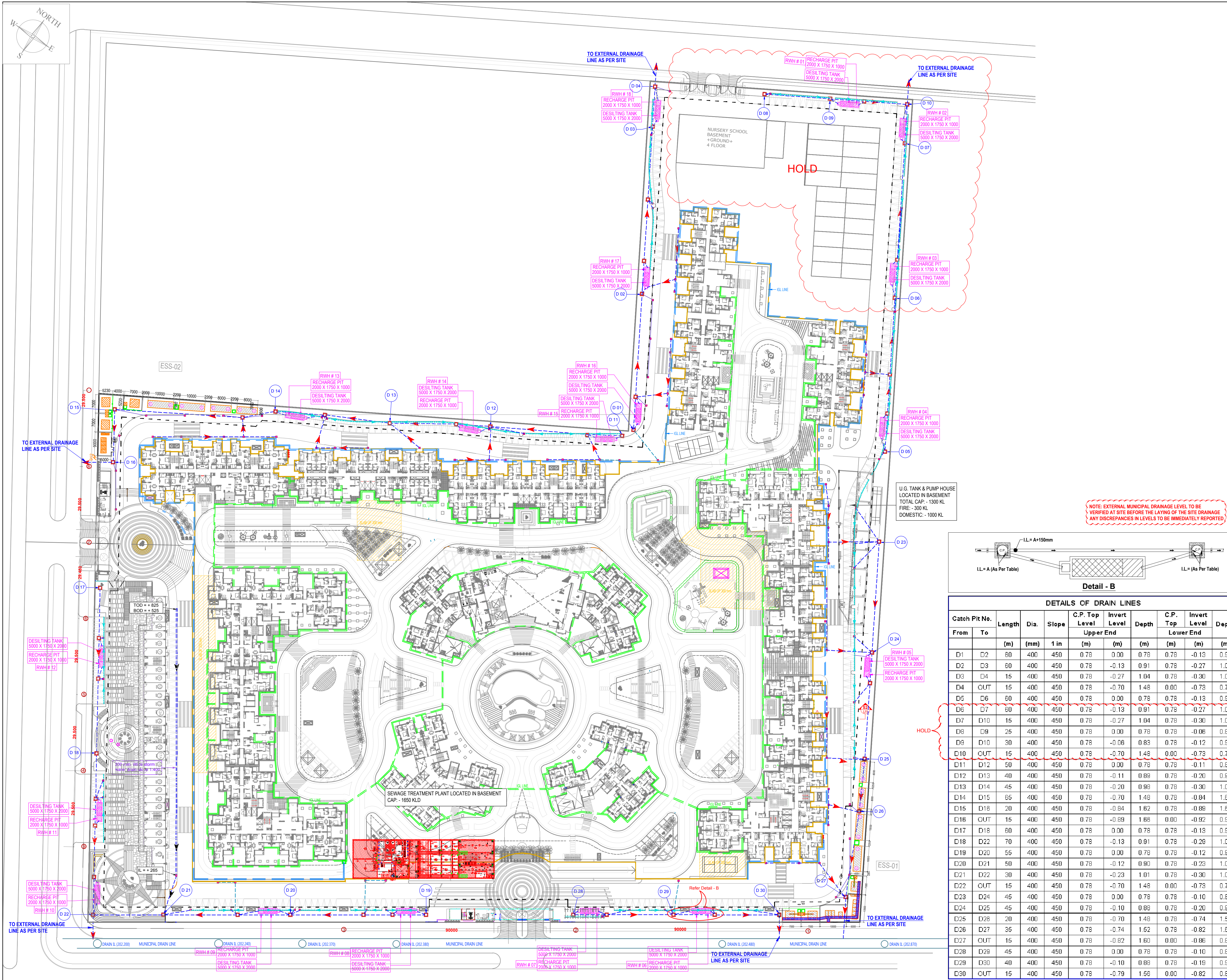
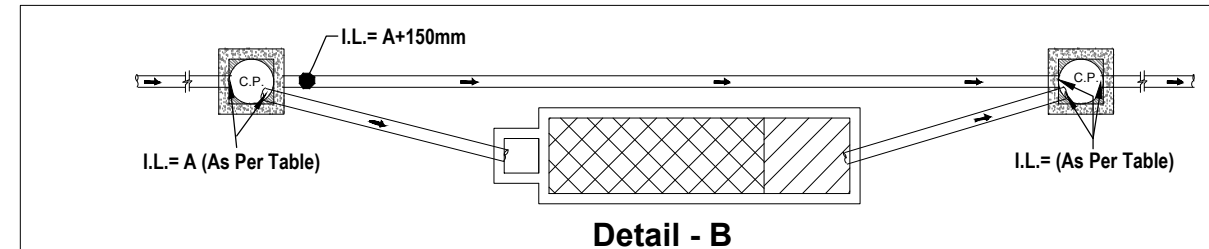




LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		CATCH PIT 600 x 600 x 450 mm
2.		UNDER GROUND PIPE DRAIN
3.		RECHARGE PIT SIZE = 2.0 x 1.75 x 1.0 m. DESILTING TANK SIZE = 5.0 X 1.75 X 2.0 m.
4.		300 mm WIDE STORM WATER DRAIN AT PODIUM LVL.
5.		300 mm WIDE COVERED DRAIN (FOR ROAD CROSSING)
6.		SAUCER DRAIN
7.		1500 STORM WATER PIPE LINE FOR SURFACE WATER
8.		TOD
9.		BOO
10.		CL
11.		IL
12.		BASEAMENT RETAINING WALL
13.		PODIUM LINE
14.		ROAD LVL. +900
		INTERNAL ROAD LEVEL (205.14)

- NOTES : DRAINAGE SYSTEM**
- THE SIZE OF CATCHPIT SHALL BE AS UNDER (INNER SIZES)
a) Upto 900 m.m. depth 600 x 600 m.m.
b) 900 to 1650 m.m. depth 900 m.m. dia.
 - The levels of drainage lines has been worked out on the basis of certain ground level and for certain pipe lengths between two catchpits. the invert levels has to be strictly followed however, the slope of line may be slightly changed.
 - For any discrepancy / omission the matter should refer to the consultants before execution.
 - Catchpit shall be provided at following places :-
a) At the start of each drain line.
b) At every junction and position where there is change of size, GRADIENT AND alignment.
c) At not more than 15 meter interval in straight length.
 - The structural design of catchpit / pipe bedding has to be done for local field conditions such as filled up soil / black cotton soil / high sub soil conditions.
 - This drawing shall be read along with the detailed landscape plan & ground floor plan of respective building for exact location of appurtenances / catchpit etc.
 - Drainage line under the road shall be encased with 150 thick, pcc 1:2:4 allround.
 - Catchpit cover should be finished with finished formation level as per landscape drawing. the cover of catch pit shall be square as per appurtenances drawing & should be co-ordinated with landscape drawing.
 - This drawing shall be coordinated with other drawing i.e. architecture, structural, electrical, landscape & other relevant drawing.
 - Material of pipe :- RCC (NP 3) Pipe with rubber ring joint
 - In the areas subject to subsidence or filled up soil (due to excess excavation at site for construction of basements) the drain lines & catchpit should be laid on suitable support or concrete cradle supported on piles or suitable foundation as per structural design.
 - In case where drain are laid in high subsoil conditions catchpits should be constructed in r.c.c. grade m-25.
 - The width of trench for sewer and drainage should be d+400mm. (d= o.d. of pipe).
 - Shoring / timbering should be adequate to prevent caving-in of the trench walls of subsidence of areas adjacent to the trench. an engineer-in-charge in consultation with a structural engineer should provide adequate arrangement to prevent caving-in.
 - Before taking up the execution, the feasibility of connection of drain with the outside drainage may please be checked. any discrepancy may be reported to the consultant.

NOTE: EXTERNAL MUNICIPAL DRAINAGE LEVEL TO BE VERIFIED AT SITE BEFORE THE LAYING OF THE SITE DRAINAGE
ANY DISCREPANCIES IN LEVELS TO BE IMMEDIATELY REPORTED



DETAILS OF DRAIN LINES									
Catch Pit No.		Length	Dia.	Slope	C.P. Top Level		Invert Level	C.P. Invert Level	
From	To				Upper End	Lower End		Upper End	Lower End
		(m)	(mm)	1 in	(m)	(m)	(m)	(m)	(m)
D1	D2	80	400	450	0.78	0.00	0.78	0.78	-0.13
D2	D3	80	400	450	0.78	-0.13	0.91	0.78	-0.27
D3	D4	15	400	450	0.78	-0.27	1.04	0.78	-0.30
D4	OUT	15	400	450	0.78	-0.70	1.48	0.00	-0.73
D5	D6	80	400	450	0.78	0.00	0.78	0.78	-0.13
D6	D7	80	400	450	0.78	-0.13	0.91	0.78	-0.27
D7	D10	15	400	450	0.78	-0.27	1.04	0.78	-0.30
D8	D9	25	400	450	0.78	0.00	0.78	0.78	-0.06
D9	D10	30	400	450	0.78	-0.06	0.83	0.78	-0.12
D10	OUT	15	400	450	0.78	-0.70	1.48	0.00	-0.73
D11	D12	50	400	450	0.78	0.00	0.78	0.78	-0.11
D12	D13	40	400	450	0.78	-0.11	0.89	0.78	-0.20
D13	D14	45	400	450	0.78	-0.20	0.98	0.78	-0.30
D14	D15	65	400	450	0.78	-0.70	1.48	0.78	-0.84
D15	D16	20	400	450	0.78	-0.84	1.62	0.78	-0.88
D16	OUT	15	400	450	0.78	-0.89	1.68	0.00	-0.92
D17	D18	80	400	450	0.78	0.00	0.78	0.78	-0.13
D18	D22	70	400	450	0.78	-0.13	0.91	0.78	-0.28
D18	D20	55	400	450	0.78	0.00	0.78	0.78	-0.12
D20	D21	50	400	450	0.78	-0.12	0.90	0.78	-0.23
D21	D22	30	400	450	0.78	-0.23	1.01	0.78	-0.30
D22	OUT	15	400	450	0.78	-0.70	1.48	0.00	-0.73
D23	D24	45	400	450	0.78	0.00	0.78	0.78	-0.10
D24	D25	45	400	450	0.78	-0.10	0.88	0.78	-0.20
D25	D26	20	400	450	0.78	-0.70	1.48	0.78	-0.74
D26	D27	35	400	450	0.78	-0.74	1.52	0.78	-0.82
D27	OUT	15	400	450	0.78	-0.82	1.60	0.00	-0.86
D28	D29	45	400	450	0.78	0.00	0.78	0.78	-0.10
D29	D30	40	400	450	0.78	-0.10	0.88	0.78	-0.19
D30	OUT	15	400	450	0.78	-0.79	1.58	0.00	-0.82

IMPORTANT NOTE :
This drawing shall be read in-conjunction with appurtenance drawing no. AJ - LG - APT- DT- 01

R5	18.05.2016	Drawing revised as per revised ESS - 01
R4	30.01.2016	Substation layout revised as per comments
R3	18.01.2016	Issued as GFC
R2	04.01.2016	Revised according new layout
R1	06.10.2015	Issued as advance copy for approval
R0	08.04.2015	Issued for approval
rev. no.	date	revision

project
GROUP HOUSING FOR "LE GARDEN"
AT NOIDA EXTENSION

title
SITE PLAN

subtittle
EXTERNAL DRAINAGE SYSTEM

drawing released for
☐ APPROVAL ☐ SUBMISSION
☐ ADVANCE COPY ☒ CONSTRUCTION

drg. no. AJ - LG - ES - 02 drawn by Ravi Chaudhary

scale 1 : 700 designed by Badri Vishal

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