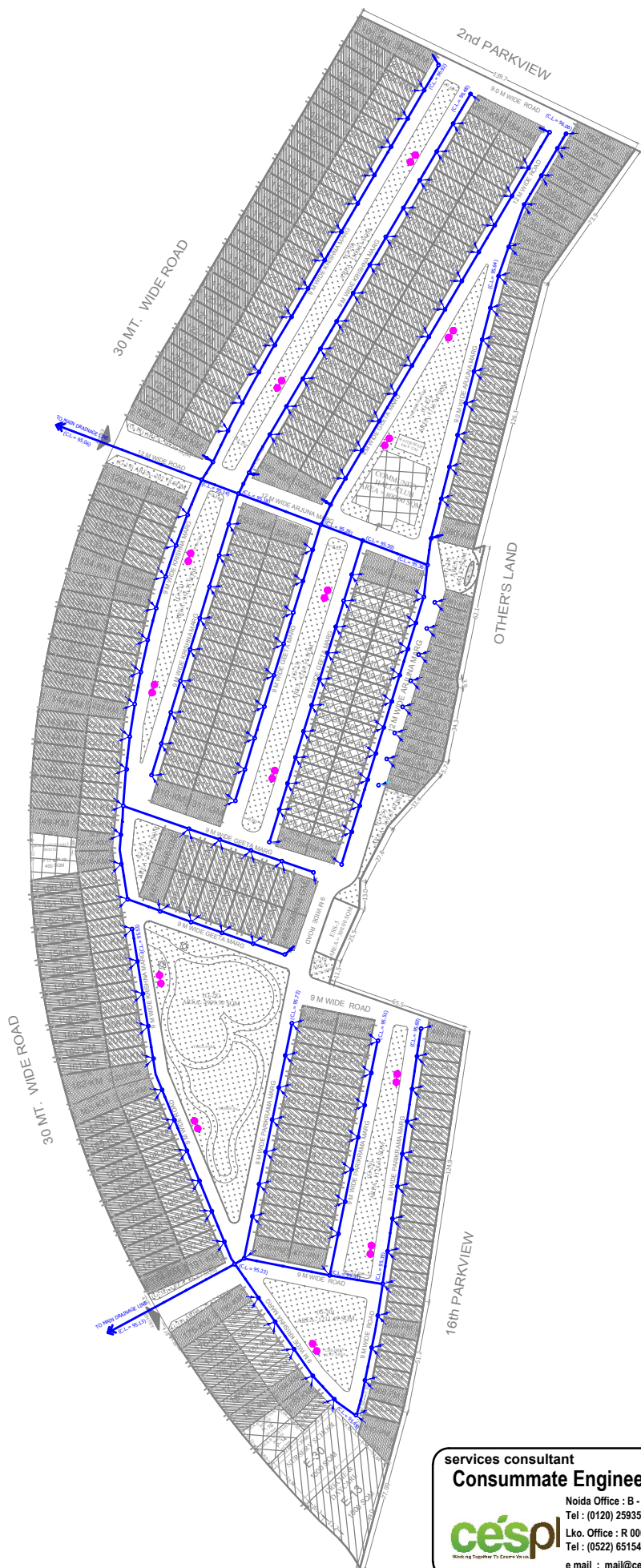
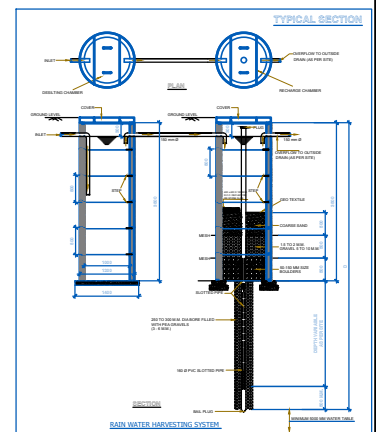




- NOTES : SEWERAGE & DRAINAGE**
1. THE SIZE OF MANHOLE & CATCH PITS SHALL BE AS UNDER (INNER SIZES)
 a) UP TO 300 MM DEPTH 400 X 400 MM
 b) 300 TO 1500 MM DEPTH 600 MM DIA.
 c) 1500 TO 2250 MM DEPTH 1000 MM DIA.
 d) ABOVE 2250 MM DEPTH 1500 MM DIA.
 2. THE LEVEL OF SEWER DRAIN LINES HAS BEEN WORKED OUT ON THE BASIS OF CERTAIN GROUND LEVEL AND FOR CERTAIN PIPE LENGTHS BETWEEN TWO MANHOLES. THE EXISTING GROUND LEVELS FOLLOWING HOWEVER, THE SLOPE OF LINE MAY BE SLIGHTLY CHANGED.
 3. FOR ANY NECESSARY VARIATION THE WATER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
 4. MANHOLE/CATCHPIT SHALL BE PROVIDED AT FOLLOWING PLACES :
 a) AT THE START OF EACH SEWER/UNDER DRAIN LINE.
 b) AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
 c) MANHOLES AT NOT MORE THAN 45 METER INTERVAL IN STRAIGHT LENGTH.
 d) CATCHPITS AT NOT MORE THAN 15 METER INTERVAL IN STRAIGHT LENGTH.
 e) WHERE THE DIAMETER OF PIPE IS INCREASED THE CROWN OF THE PIPE SHALL BE FIRED AT THE SAME LEVEL AND NECESSARY SLOPE SHALL BE GIVEN IN THE MOUTH OF THE MANHOLE CHAMBER FOR SEWER SYSTEM.
 f) THE STRUCTURAL DESIGN OF MANHOLES (PIPE BEDDING HAS TO BE DONE FOR LOCAL FIELD CONDITIONS SUCH AS FILLED UP SOIL, BLACK COTTON SOIL, HIGH SUB SOIL CONDITIONS).
 5. THE DRAINING SHALL BE REALIGNING WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MAN HOLES ETC.
 6. SEWER DRAIN LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH PCC (1:2:4) & BOUND.
 7. MANHOLE/CATCHPIT COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AND FOR LANDSCAPE DRAINING.
 8. THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.E. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.
 9. MATERIAL OF PIPE : RCC (PP 3) PIPE
 10. IN THE AREA SUBJECT TO SUBSIDENCE OR FILLED UP SOIL, DUE TO EXCESS EXCAVATION AT SITE FOR CONSTRUCTION OF BASEMENT THE SEWER LINES & MANHOLE SHOULD BE LAID ON BUTTLE SUPPORT OR CONCRETE CHAIRS SUPPORTED ON PILES OR SUITABLE FOUNDATION AS PER STRUCTURAL DESIGN.
 11. IN CASE WHERE SEWERS ARE LAID IN HIGH SUBSOIL CONDITIONS MANHOLES SHOULD BE CONSTRUCTED IN R.C.C. GRADE & 25.
 12. THE WIDTH OF TRENCH FOR SEWER DRAINAGE SHOULD BE D=400MM (D+ D/2 OF PIPE).
 13. SLOPING / TIEING SHOULD BE ADEQUATE TO PREVENT COLLAPSE OF THE TRENCH WALLS OF SUBSIDENCE OF AREAS ADJACENT TO THE TRENCH. AN EXHAUSTIVE BACKFILL INSULATION WITH A STRUCTURAL TIE RODS SHOULD PROVIDE ADEQUATE ARRANGEMENT TO PREVENT COLLAPSE.

LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.		MAN DRAIN LINE CATCH PIT (VARIABLE)
2.		UNDER GROUND PIPE DRAIN
3.		RAIN WATER HARVESTING PIT



CLIENT :-
GAURSONS REALTECH PRIVATE LIMITED
 Gaur Biz Park Plot No.-1, Abhay Khand-II,
 Indirapuram, Ghaziabad

PROJECT :-
PROPOSED LAYOUT PLAN-PLOTTED DEVELOPMENT
"3rd PARK VIEW"
 at Gaur Yamuna City (Pocket-3), Mirzapur Site (LFD-3),
 Sector-19, YEIDA, GREATER NOIDA, U.P.

TITLE :-
EXTERNAL DRAINAGE SYSTEM / R.W.H

OWNER'S SIGN **ARCHITECT SIGN**

SCALE :-
 ORG. 1:500
 3rd PARK VIEW

ES-02

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