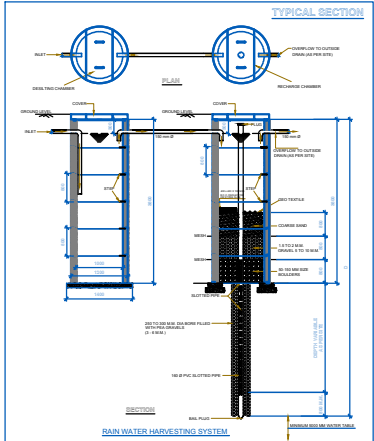
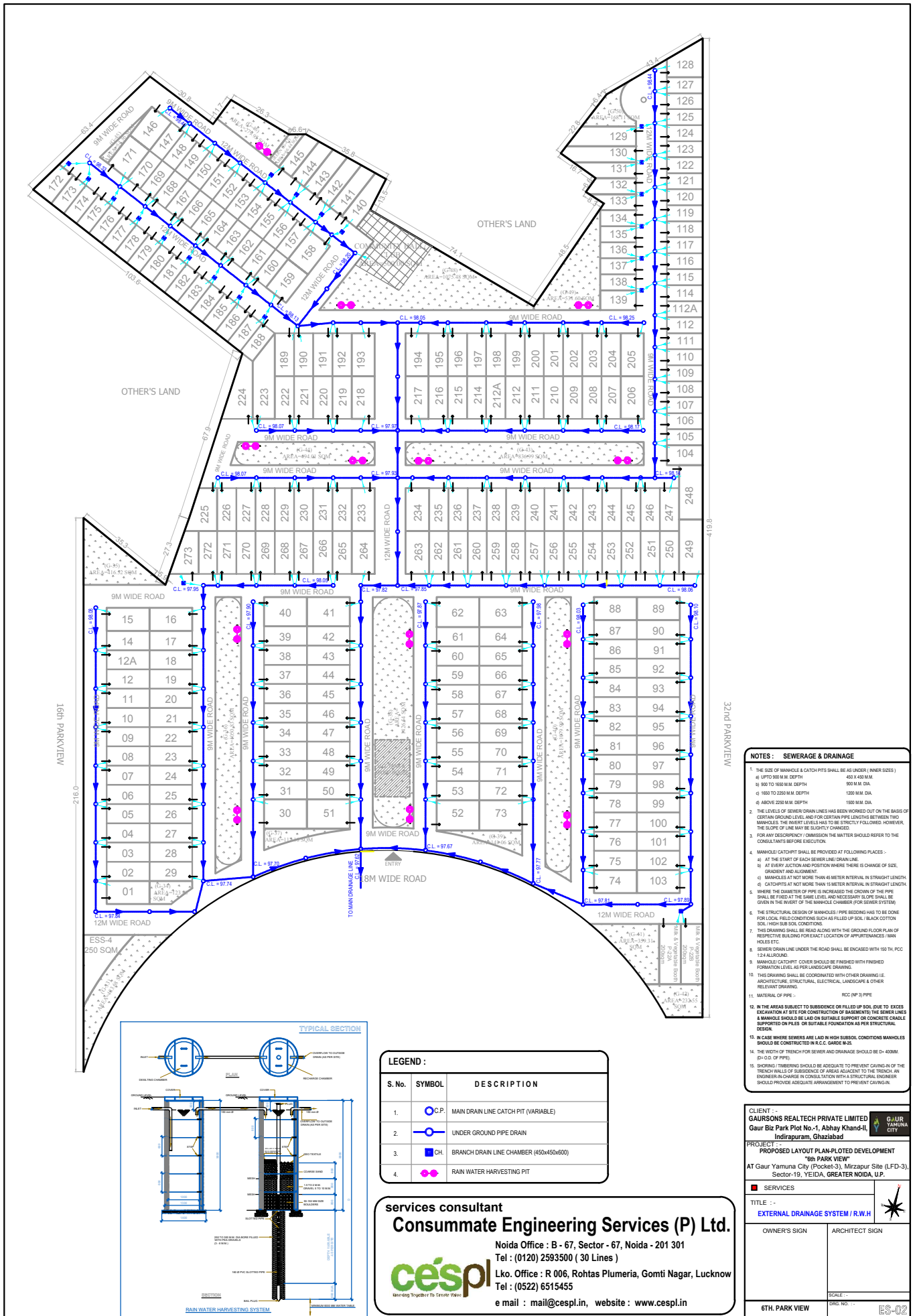




LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		MAIN DRAIN LINE CATCH PIT (VARIABLE)
2.		UNDER GROUND PIPE DRAIN
3.		BRANCH DRAIN LINE CHAMBER (450x450x600)
4.		RAIN WATER HARVESTING PIT

services consultant

Consummate Engineering Services (P) Ltd.

Noida Office : B - 67, Sector - 67, Noida - 201 301
Tel : (0120) 2593500 (30 Lines)

Lko. Office : R 006, Rohtas Plumeria, Gomti Nagar, Lucknow
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NOTES : SEWERAGE & DRAINAGE

- THE SIZE OF MANHOLE & CATCH PITS SHALL BE AS UNDER (INNER SIZES)
 - UP TO 100 M.M. DEPTH 450 X 450 M.M.
 - 100 TO 1500 M.M. DEPTH 900 M.M. DIA.
 - 1500 TO 2250 M.M. DEPTH 1200 M.M. DIA.
 - ABOVE 2250 M.M. DEPTH 1500 M.M. DIA.
- THE LEVEL OF SEWER DRAIN LINES ARE WORKED OUT ON THE BASIS OF CERTAIN GROUND LEVEL AND FOR CERTAIN PIPE LENGTHS BETWEEN TWO MANHOLES 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.
- MANHOLE/CATCHPIT SHALL BE PROVIDED AT FOLLOWING PLACES :-
 - AT THE START OF EACH SEWER LINE/ DRAIN LINE.
 - AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
 - MANHOLES AT NOT MORE THAN 45 METER INTERVAL IN STRAIGHT LENGTH.
 - CATCHPITS AT NOT MORE THAN 10 METER INTERVAL IN STRAIGHT LENGTH.
- 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 INVERT OF THE MANHOLE CHAMBER (FOR SEWER SYSTEM)
- 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.
- THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MAN HOLES ETC.
- SEWER DRAIN LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH. RCC 12 X 12 ALAROUND.
- MANHOLE CATCHPIT COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER 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
- IN THE AREAS SUBJECT TO SUBSIDENCE OR FILLED UP SOIL DUE TO EXCESS EXCAVATION AT SITE FOR CONSTRUCTION OF BUILDINGS THE SEWER LINES & MANHOLE SHOULD BE LAID ON SUTABLE SUPPORT OR CONCRETE CHANDELS SUPPORTED ON PILES OR SUTABLE FOUNDATION AS PER STRUCTURAL DESIGN.
- IN CASE WHERE SEWERS ARE LAID IN HIGH SUBSOIL CONDITIONS MANHOLES SHOULD BE CONSTRUCTED IN R.C.C. GARDS IN-2.
- THE WIDTH OF TRENCH FOR SEWER AND DRAINAGE SHOULD BE D+ 400MM. (D+ 150 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.

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

PROJECT PROPOSED LAYOUT PLAN- PLOTTED DEVELOPMENT "8th PARK VIEW"

AT Gaur Yamuna City (Pocket-3), Mirzapur Site (LFD-3), Sector-10, YEIDA, GREATER NOIDA, U.P.

SERVICES

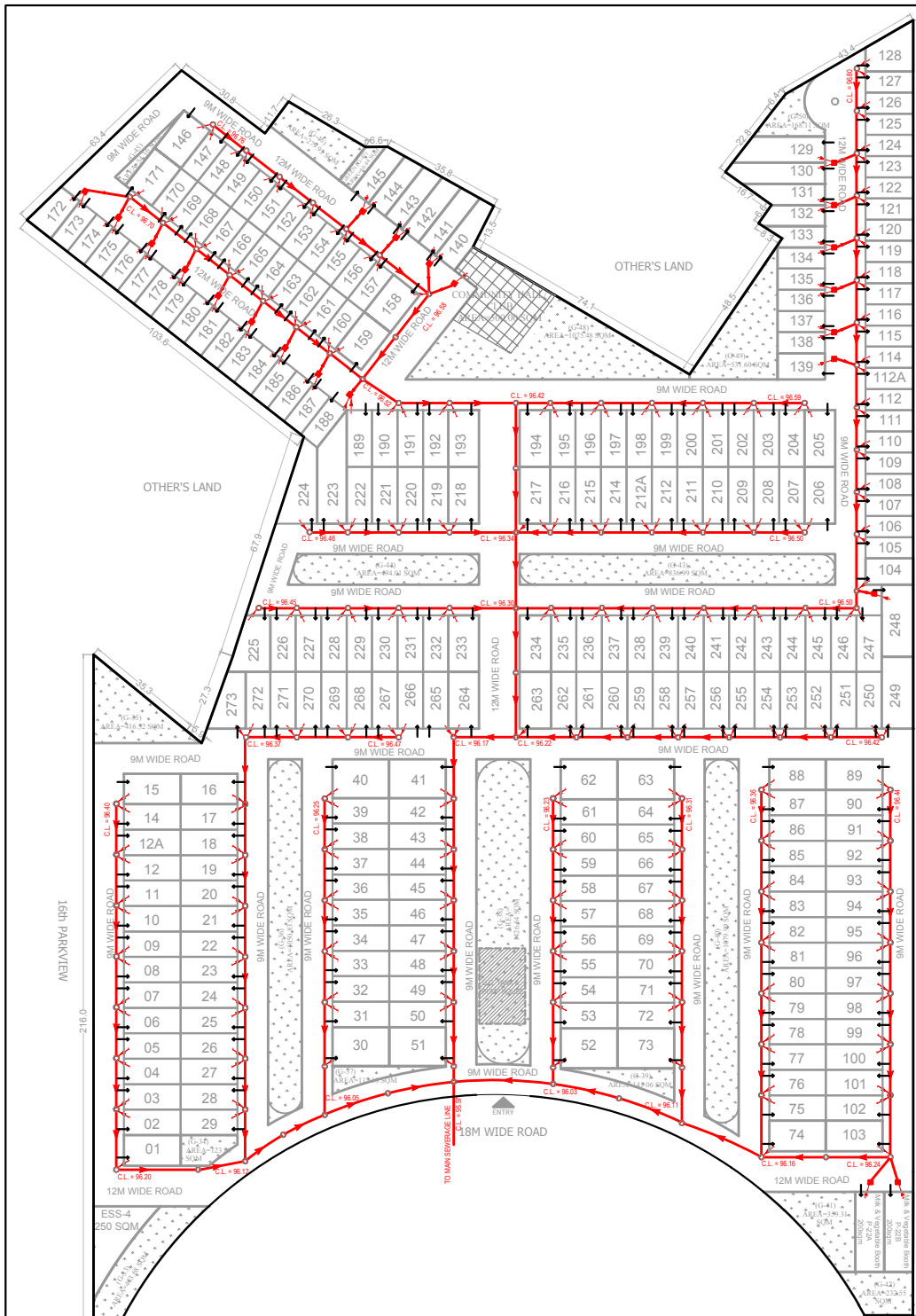
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OWNER'S SIGN ARCHITECT SIGN

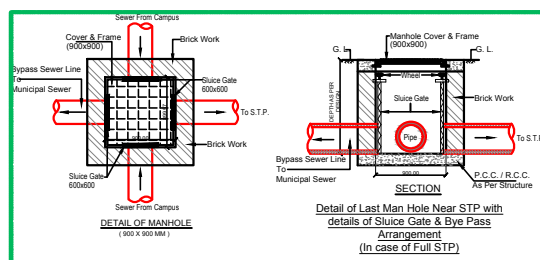
SCALE

6TH PARK VIEW

ES-02



- NOTES : SEWERAGE & DRAINAGE**
1. THE SIZE OF MANHOLE & CATCH PITS SHALL BE AS UNDER (INNER SIZES)
 - a) UP TO 500 M.M. DEPTH 450 X 450 M.M.
 - b) 500 TO 1000 M.M. DEPTH 900 M.M. DIA.
 - c) 1000 TO 2000 M.M. DEPTH 1200 M.M. DIA.
 - d) ABOVE 2000 M.M. DEPTH 1500 M.M. DIA.
 2. THE LEVELS OF SEWER DRAIN LINES HAVE BEEN WORKED OUT ON THE BASIS OF CERTAIN GRADING LEVELS AND FOR CERTAIN PIPE LENGTHS BETWEEN TWO MANHOLES. THE INVERT LEVELS HAVE TO BE STRICTLY FOLLOWED. HOWEVER, THE SLOPE OF LINE MAY BE SLIGHTLY CHANGED.
 3. FOR ANY DISCREPANCY OR OMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
 4. MANHOLE CATCHPITS SHALL BE PROVIDED AT FOLLOWING PLACES -
 - a) AT THE START OF EACH SEWER LINE DRAIN LINE.
 - b) AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADE 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.
 5. WHERE THE DIAMETER OF PIPE IS INCREASED THE CROWN OF THE PIPE SHALL BE FIRED AT THE SAME LEVEL AND NECESSARY FLOPE SHALL BE GIVEN IN THE INVERT OF THE MANHOLE CHAMBER FOR SEWER SYSTEM.
 6. 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.
 7. THIS DRAWING SHALL BE READ ALONG WITH THE GROUND FLOOR PLAN OF RESPECTIVE BUILDING FOR EXACT LOCATION OF APPURTENANCES / MAN HOLES ETC.
 8. SEWER DRAIN LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH. PCC 125 ALONG ROAD.
 9. MANHOLE CATCHPIT COVER SHOULD BE FINISHED WITH FINISHED FORMATION LEVEL AS PER LANDSCAPE DRAWING.
 10. THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.E. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.
 11. MATERIAL OF PIPE - RCC (NP 3) PIPE
 12. IN THE AREAS SUBJECT TO SUBSIDENCE OR FILLED UP SOIL DUE TO EXCAVATION AT SITE FOR CONSTRUCTION OF BASEMENTS THE SEWER LINES & MANHOLE SHOULD BE LAID ON SUITABLE SUPPORT OR CONCRETE CHAMBER SUPPORTED ON PILES OR SUITABLE FOUNDATION AS PER STRUCTURAL DESIGN.
 13. IN CASE WHERE SEWERS ARE LAID IN HIGH SUBSOIL CONDITIONS MANHOLES SHOULD BE CONSTRUCTED IN R.C.C. GRADE M-25.
 14. THE WIDTH OF TRENCH FOR SEWER AND DRAINAGE SHOULD BE D+ 400MM. (D+ O.D. OF PIPE).
 15. 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.



LEGEND :		
S. No.	SYMBOL	DESCRIPTION
1.		MAN SEWER LINE MAN HOLE (VARIABLE)
2.		SEWER LINE
3.		BRANCH SEWER LINE CHAMBER (450x450x600)

services consultant
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■ SERVICES TITLE :- EXTERNAL SEWERAGE SYSTEM OWNER'S SIGN ARCHITECT SIGN	
6TH. PARK VIEW	ES-01