



LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H. □	MANHOLE
2.	—	SEWER LINE
3.	M.H. □	BRANCH MANHOLE
4.	—	150 Ø SEWER LINE FOR SERVICE CONNECTION
5.	F.L.	FORMATION LEVEL (FINISHED ROAD TOP LEVEL)
6.	I.L.	INVERT LEVEL

- NOTES :**
- THE SIZE OF MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - a) UP TO 900 M.M. DEPTH 800 X 800 M.M.
 - b) 900 TO 1650 M.M. DEPTH 900 M.M. DIA.
 - c) 1650 TO 2250 M.M. DEPTH 1200 M.M. DIA.
 - d) ABOVE 2250 M.M. DEPTH 1500 M.M. DIA.
 - THE SIZE OF SERVICE MANHOLE SHALL BE AS UNDER (INNER SIZES)
 - a) SAME SIDE OF SEWER LINE 800 X 600 X 600 MM.
 - b) OPPOSITE SIDE OF SEWER LINE 600 X 800 X 900 MM.
 - M.S. RUNGS SHALL BE PROVIDED IN EACH MANHOLE WHICH IS DEEPER THAN 800 M.M.
 - THE LEVELS OF SEWER LINES HAS BEEN 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 SHALL BE PROVIDED AT FOLLOWING PLACES :
 - a) AT THE START OF EACH SEWER LINE.
 - b) AT EVERY JUNCTION AND POSITION WHERE THERE IS CHANGE OF SIZE, GRADIENT AND ALIGNMENT.
 - c) AT NOT MORE THAN 45 METER INTERVAL IN STRAIGHT LENGTH.
 - WHERE THE DIAMETER OF PIPE IS INCREASED THE CROWN OF THE PIPE SHALL BE FIXED AT THE SAME LEVEL AND NECESSARY SLOPE SHALL BE GIVEN IN THE INVERT OF THE MANHOLE CHAMBER.
 - 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.
 - SEWER LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH. PCC 1:2:4 ALL ROAD.
 - MANHOLE 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 SEWER PIPE -
 - a) NP2 CONC. PIPE

Project :
ELDECO TOWNSHIP IN JAWAHARPURAM
 SCHEME OF KANPUR DEVELOPMENT AUTHORITY
 IN SECTOR-14, REVENUE VILLAGE BARASIROHI,
 TEHSIL & DISTRICT- KANPUR NAGAR,

Title :
LAYOUT PLAN

Subtitle :
EXTERNAL SEWERAGE SYSTEM PH-1

Drawing Released For :

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<input type="checkbox"/> ADVANCE COPY	<input checked="" type="checkbox"/> CONSTRUCTION

Drp. No. : JAWAHARPURA / ES-02

Scale : 1:700 **Drawn By :** Amit Kamboj

Date : March 2016 **Design By :** Nitesh Kumar

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JYOTI SINGHAL
 ARCHITECT
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 OWNER

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