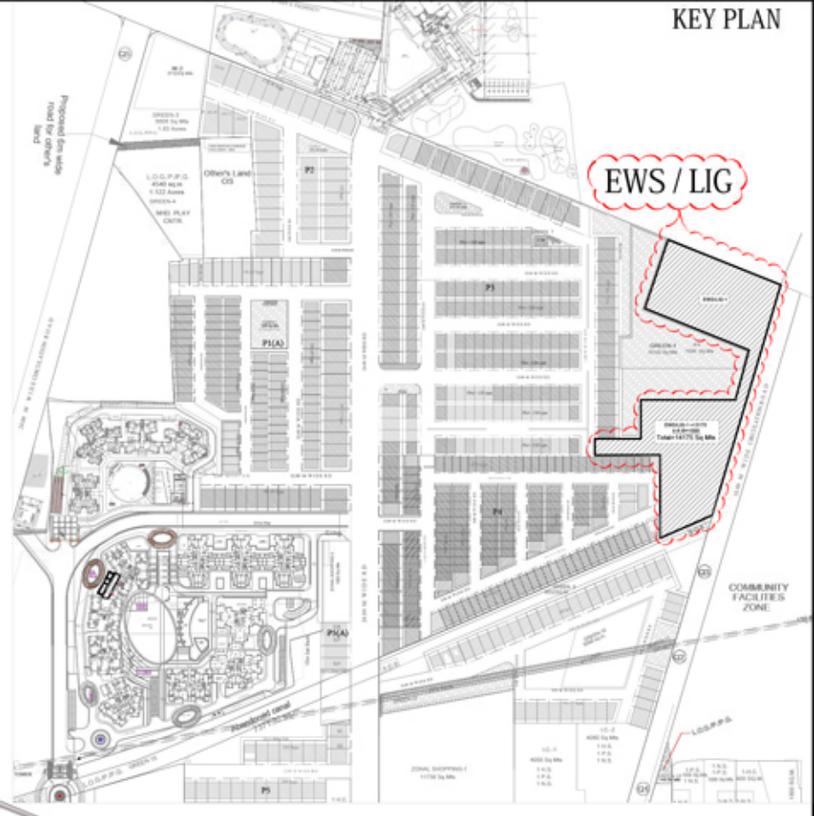
REFERENCE LEVEL OF INTERNAL ROAD LVL.
ROAD LVL.- 0.00 = 98.43.90
(AS PER SITE CONDITION)

KEY PLAN



45.00 M WIDE PROPOSED MASTER ROAD ROAD

MASTER DRAIN CATCH PIT-D8EW
F.L. = 98.43
I.L. = 96.33
DEPTH = 2.10

SEWER LINE TO S.T.P AS PER SITE

MASTER SEWER MANHOLE-(SZ2)
F.L. = 98.43
I.L. = 95.39
DEPTH = 3.03

RECYCLE WATER SUPPLY LINE FROM S.T.P.

110Ø RECYCLE WATER SUPPLY LINE

RWH # 02
RECHARGE PIT 2000 x 1750 x 1000
DESILTING TANK 5000X1750X2000

400Ø DRAIN PIPE SLOPE=1:550

MAIN GATE

400Ø DRAIN PIPE SLOPE=1:500

6 MT. WIDE SETBACK

90Ø DOMESTIC WATER SUPPLY LINE

90Ø RECYCLE WATER SUPPLY LINE

PART-2

6 MT. WIDE DRIVEWAY

EWS/LIG-1

OTHER LAND

LAYOUT GREEN

110Ø DOMESTIC WATER SUPPLY LINE

110Ø RECYCLE WATER SUPPLY LINE

RWH # 01
RECHARGE PIT 2000 x 1750 x 1000
DESILTING TANK 5000X1750X2000

UNDER GROUND TANK & PUMP HOUSE TOTAL CAPACITY = 100 K.L.

110Ø OUTLET

UGT

T / W - (01)

T / W - (02)

PLOTS

110Ø MUNICIPAL WATER LINE TO FILL UGT

ESSENTIAL FEEDER PILLAR

DG SET (125 KVA)

CSS (630 KVA)

SAUCER DRAIN

PART-1

Plot - 200 sqm

12.00 M WIDE RD

18.00 M WIDE CIRCULATION ROAD

LEGEND :

S. No.	SYMBOL	DESCRIPTION
1.	M.H.	MANHOLE
2.		SEWER LINE
3.	C.P.	CATCH PIT
4.		UNDER GROUND DRAIN
5.		SURFACE DRAIN
6.		DOMESTIC WATER SUPPLY LINE
7.		RISING MAIN LINE (FROM T/W TO U.G.T.)
8.		MUNICIPAL WATER SUPPLY PIPE LINE.
9.		RECYCLED WATER SUPPLY PIPE LINE.
10.		PROPOSED TUBE WELL
11.		MASONRY CHAMBER FOR ISOLATING VALVE

NOTES : SEWERAGE SYSTEM

1. THE SIZE OF MANHOLE 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.
   c) 1650 TO 2250 M.M. DEPTH — 1200 M.M. DIA.
   d) ABOVE 2250 M.M. DEPTH — 1500 M.M. DIA.
2. 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.
3. FOR ANY DESCRIPENCY / OMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.
4. 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.
5. 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.
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 LINE UNDER THE ROAD SHALL BE ENCASED WITH 150 TH, PCC 1:2:4 ALLROUND.
9. MANHOLE 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. EXCAVATION AT SITE FOR CONSTRUCTION OF BASEMENTS) THE SEWER LINES & MANHOLE SHOULD BE LAID ON SUITABLE SUPPORT OR CONCRETE CRADLE 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. GARDE 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.

NOTES : SURFACE DRAINAGE SYSTEM

FOR ANY DESCRIPENCY / OMMISSION THE MATTER SHOULD REFER TO THE CONSULTANTS BEFORE EXECUTION.

SLAB CULVERT SHALL BE PROVIDED AT ROAD CROSSING FOR SURFACE DRAINS.

TOP LEVEL OF THE DRAIN SHALL FLUSH WITH THE PROPOSED GROUND LEVEL OF THE RESPECTIVE AREA.

THE DRAIN BEDDING SHALL HAVE TO BE STRUCTURALLY DESIGNED FOR LOCAL SITE CONDITIONS SUCH AS FILLED UP SOIL / BLACK COTTON SOIL / HIGH SUB SOIL CONDITIONS.

THIS DRAWING SHALL BE COORDINATED WITH OTHER DRAWING I.E. ARCHITECTURE, STRUCTURAL, ELECTRICAL, LANDSCAPE & OTHER RELEVANT DRAWING.

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.

NOTES : WATER SUPPLY

1. THE DEPTH OF DOMESTIC WATER SUPPLY MAIN SHALL BE -1000 MM
2. THE DEPTH OF RECYCLE WATER SUPPLY MAIN SHALL BE - 900 MM
3. THE DEPTH OF RISING MAIN SHALL BE - 1000 MM
4. PIPE MATERIAL FOR EXTERNAL WATER SUPPLY -:
   a) DOMESTIC & RECYCLE LINE SHALL BE HDPE (PE100) PN10 OR PE80 / PN10
   b) TUBE WELL RISING MAIN / MUNICIPAL LINE SHALL BE HDPE (PE100) PN8 OR PE80 / PN6

Rev. No.	Date	Revision
R0	03-11-2014	ISSUED AS G.F.C.

Project :
PROPOSAL FOR EWS/LIG ON PART OF KHASRA NO. 231,232 & 233,229,230,235,236,237, 238,239,270/3 OF INTEGRATED TOWNSHIP (GOLF LINKS) AT VILLAGE MEHRAULI,NH-24, DIST.GHAZIABAD (U.P)

Title : SITE PLAN

Subtitle : SERVICES CO-ORDINATION PLAN

Drawing Released For :
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- ■ CONSTRUCTION

Drg. No : GL-LC-EWS-LIG-ES-01

Scale : 1:370

Drawn By : Jagdish

Design By : Nitesh Kumar

Date : Sep. 2014

Ckd By : Anand Havelia

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