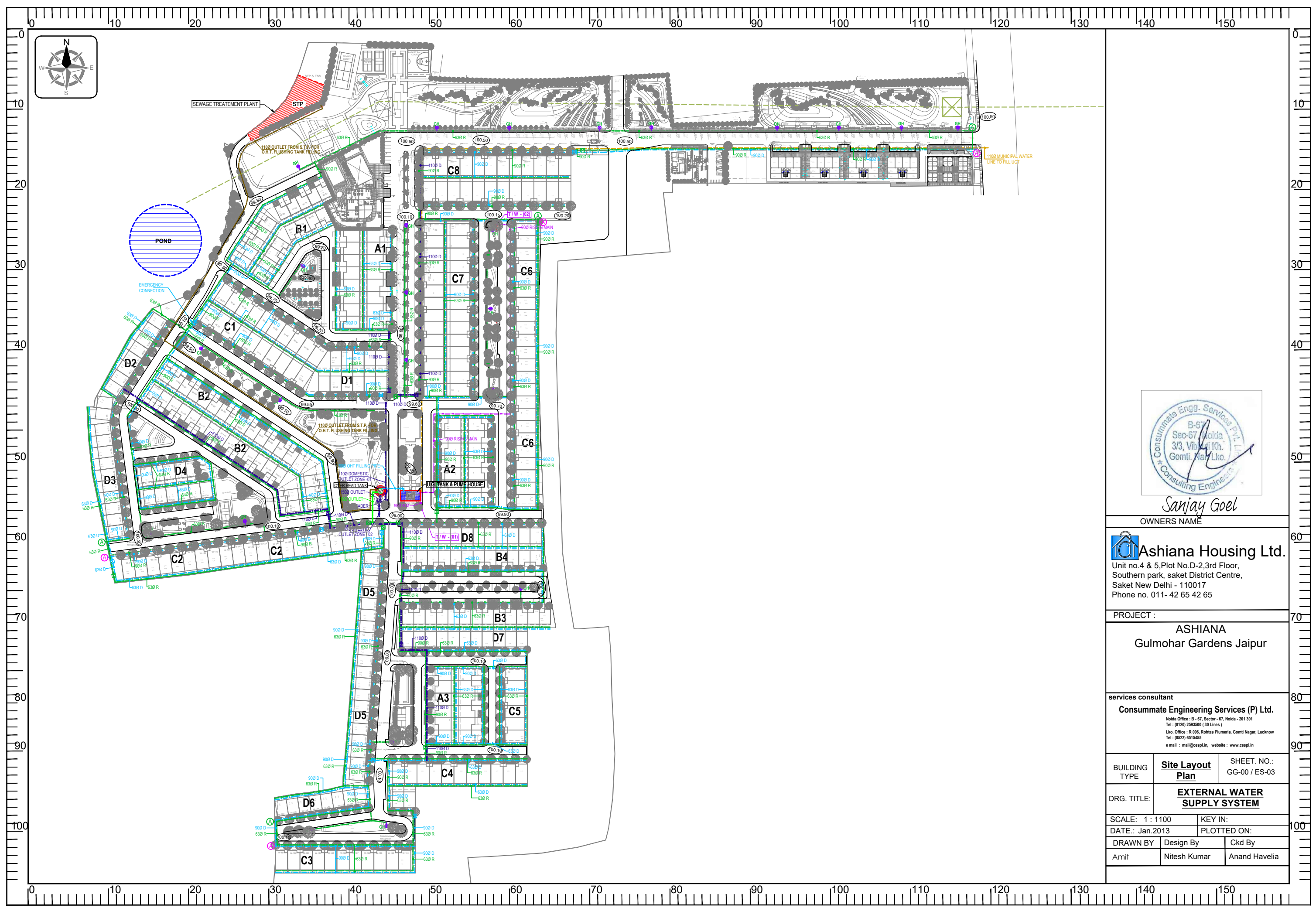




Sanjay Goel

OWNERS NAME



Ashiana Housing Ltd.

Unit no.4 & 5, Plot No. D-2, 3rd Floor,
Southern park, Saket District Centre,
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Phone no. 011- 42 65 42 65

PROJECT :

ASHIANA
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services consultant

Consummate Engineering Services (P) Ltd.

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BUILDING
TYPE

Site Layout
Plan

SHEET. NO.:
GG-00 / ES-03

DRG. TITLE:

EXTERNAL WATER
SUPPLY SYSTEM

SCALE: 1 : 1100

DATE.: Jan.2013

KEY IN:

PLOTTED ON:

DRAWN BY

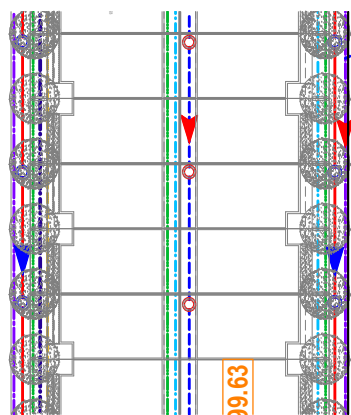
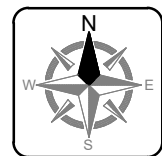
Design By

Ckd By

Amit

Nitesh Kumar

Anand Havelia



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 DISCREPANCY / OMISSION 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 ALL ROUND.
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. IN THE AREAS SUBJECT TO SUBSIDENCE OR FILLED UP SOIL (DUE TO EXCESS 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 $\phi + 400$ MM. (ϕ - 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.



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BUILDING
TYPE

**Site Layout
Plan**

SHEET. NO.:
GG-00 / ES-01

DRG. TITLE:

**EXTERNAL SEWERAGE
SYSTEM**

SCALE: 1 : 1100

KEY IN:

DATE.: Jan.2013

PLOTTED ON:

DRAWN BY

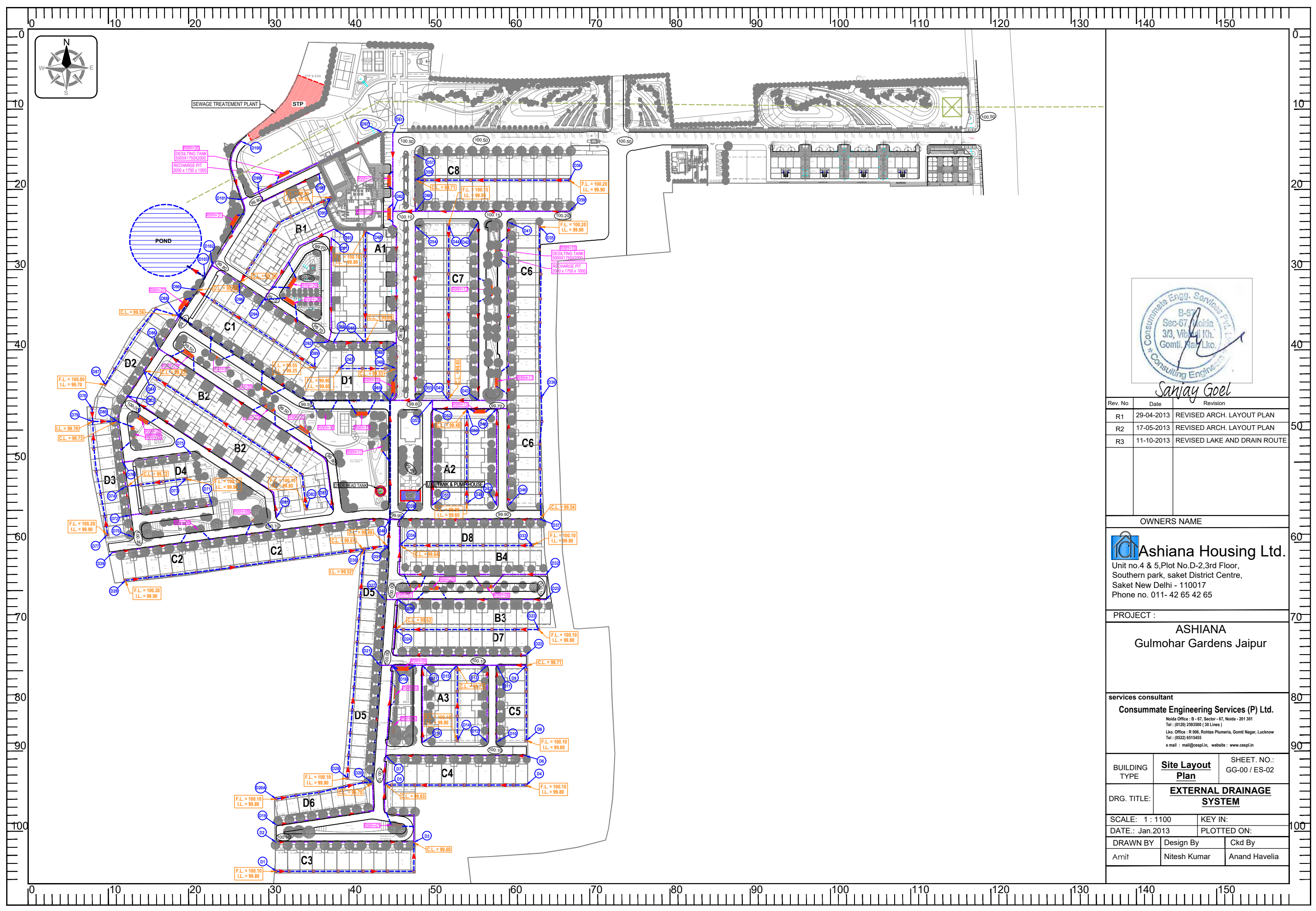
Design By

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Rev. No	Date	Revision
R1	29-04-2013	REVISED ARCH. LAYOUT PLAN
R2	17-05-2013	REVISED ARCH. LAYOUT PLAN
R3	11-10-2013	REVISED LAKE AND DRAIN ROUTE

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BUILDING TYPE	Site Layout Plan	SHEET. NO.: GG-00 / ES-02
DRG. TITLE:	EXTERNAL DRAINAGE SYSTEM	
SCALE: 1 : 1100	KEY IN:	
DATE.: Jan.2013	PLOTTED ON:	
DRAWN BY Amit	Design By Nitesh Kumar	Ckd By Anand Havelia

