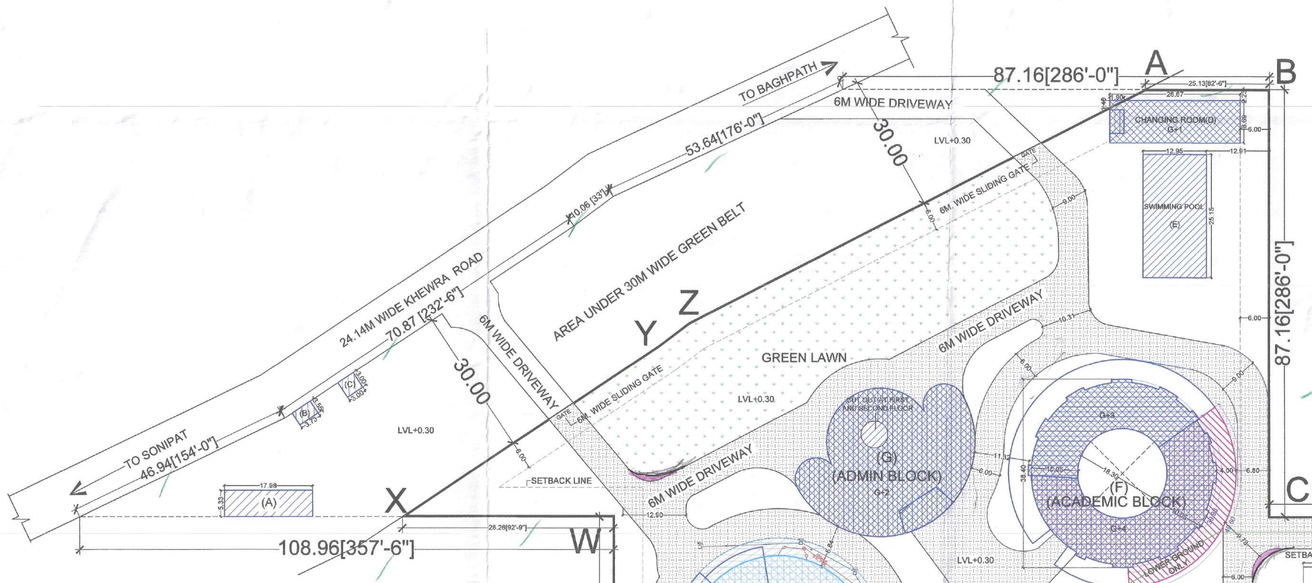
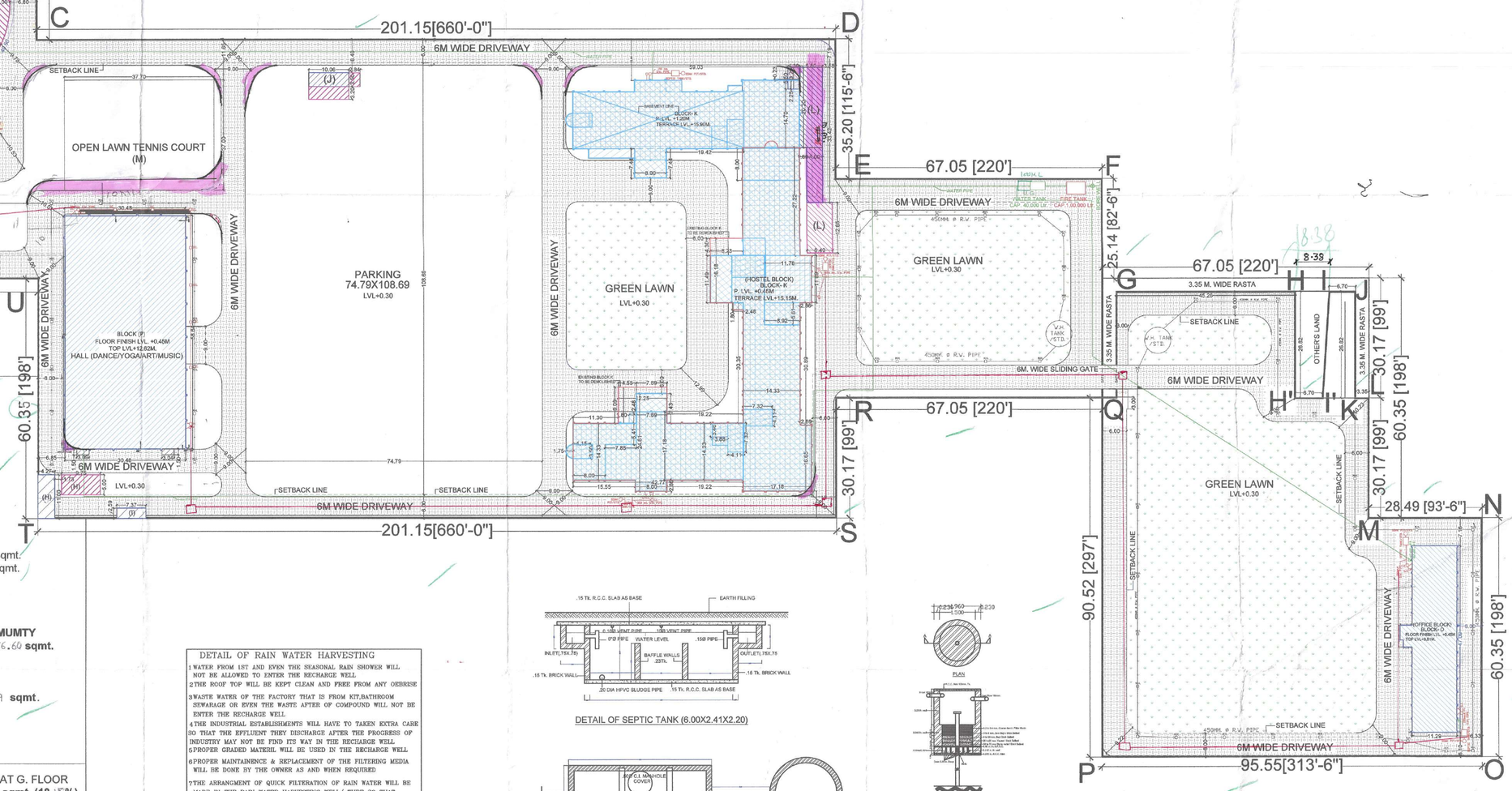
1



SITE PLAN



LEGEND
PROPOSED AREA
AREA COMPOUNDED
EXISTING AREA BEFORE CONTROLLED AREA
AREA TO BE DEMOLISHED
EXISTING AREA TO BE DEMOLISHED

BLOCK N

TOILET UTILITIES DETAIL

TOTAL NO. OF STUDENTS=440

BOYS=264	W.B.	W.C.	URINALS
REQUIRED	5	7	14
PROVIDED	12	10	24

GIRLS=176	W.B.	W.C.	URINALS
REQUIRED	5	8	-
PROVIDED	14	12	-

P.H. TOILET 1 IN NO. AT EVERY FLOOR.

NOTE: ALL ABOVE UTILITIES REQUIREMENTS ARE AS PER N.B.C. 2005

BLOCK K

TOILET UTILITIES DETAIL

TOTAL NO. OF STUDENTS=448

BOYS=268	W.B.	W.C.	URINALS	BATH
REQUIRED	34	34	11	34
PROVIDED	100	92	20	40

GIRLS=180	W.B.	W.C.	URINALS	BATH
REQUIRED	30	30	-	30
PROVIDED	40	51	-	32

P.H. TOILET 1 IN NO. AT EVERY FLOOR.

NOTE: ALL ABOVE UTILITIES REQUIREMENTS ARE AS PER N.B.C. 2005

BLOCK O

TOILET UTILITIES DETAIL

TOTAL NO. OF PERSONS=21

	W.B.	W.C.	URINALS	BATH
REQUIRED	3	3	1	3
PROVIDED	7	7	7	3

P.H. TOILET 1 IN NO. AT EVERY FLOOR.

NOTE: ALL ABOVE UTILITIES REQUIREMENTS ARE AS PER N.B.C. 2005

TOTAL PLOT AREA = 117 KANAL(19 Marla) = 5966.21 sqmt.
FALLING AREA UNDER 30M.WIDE GREEN BELT = 5295.25 sqmt.
DEEMED CLU.+ADDL. CLU. GRANTED AREA
15986.48+38383.48 = 54369.96 sqmt.

PERM.G. FLOOR COVERAGE UPTO 10,000@35% = 3500 sqmt.
PERM.G. FLOOR COVERAGE ABOVE 10000@25% =44369.96 X 25%
= 11092.49 sqmt.

TOTAL PERM.G. FLOOR COVD. AREA = 3500+11092.49
= 14592.49 sqmt.

PERM. F.A.R @150% = 81554.94 sqmt.

PERM.RESIDENTIAL AREA FAR.(81554.94)@15 % =12233.24 sqmt.
NET RESIDENTIAL & ANCILLARY AREA =
BLOCK - A = 95.83 SQ.MT
BLOCK - B = 13.24 SQ.MT
BLOCK - C = 9.00 SQ.MT
BLOCK - D = 231.760 SQ.MT
BLOCK - H = 46.97 + 48.75 = 95.72 SQ.MT
BLOCK - I = 19.090 SQ.MT
BLOCK - J = 35.21 + 42.13 = 77.34 SQ.MT
BLOCK- K = 120.14 + 20 - 740.13 = 1139.42 sqmt.
BLOCK - L = 170.04 + 104.61 = 274.65 SQ.MT
TOTAL AREA UNDER RESIDENTIAL & ANCILLARY USE
= 1215.25 SQ.MT (14.89 %)

EXISTING COVD. AREA BEFORE DECLARATION OF CONTROLLED AREA -

1. AT LOWER G. FLOOR BLOCK-F = **895.46 sqm**
2.EXISTING COVD. AREA AT G. FLOOR IN BLOCK-
A,B,C,D,E,F,G,H,I,J,K& L.=
EXISTING COVD. AREA AT G. FLOOR IN BLOCK

BLOCK(A) = 95.83 sqmt.
BLOCK(B) = 13.24 sqmt.
BLOCK(C) = 9.00 sqmt.
BLOCK(D) = 231.760 sqmt.
BLOCK(E) = 325.690 sqmt.
BLOCK(F) = 895.460 sqmt.
BLOCK(G) = 808.090 sqmt.
BLOCK(H) = 46.97 sqmt.
BLOCK(I) = 19.090 sqmt.
BLOCK(J) = 35.21 sqmt
BLOCK(K)(TO BE DEMOLISHED) = 2163.83 sqmt.
BLOCK(L) = 170.04 sqmt
TOTAL EXISTING COVD. AREA AT G. FLOOR = **4814.21 - 2163.83**
= 2650.38 sqmt.

3. EXISTING COVD. AREA AT FIRST FLOOR IN BLOCK-D,F,G,K
EXISTING COVD. AREA AT FIRST FLOOR IN BLOCK
BLOCK(D) = 231.760 sqmt.
BLOCK(F) = 895.460 sqmt.
BLOCK(G) = 765.070 sqmt.
BLOCK(K)(TO BE DEMOLISHED) = 140.06 sqmt.
TOTAL EXISTING COVD. AREA AT F. FLOOR = **2032.36 - 140.06**
= 1892.29 sqmt

4. EXISTING COVD. AREA AT SECOND FLOOR IN BLOCK-F,G,
EXISTING COVD. AREA AT SECOND FLOOR IN BLOCK
BLOCK(F) = 895.460 sqmt.
BLOCK(G) = 765.070 sqmt.

TOTAL EXISTING COVD. AREA AT S. FLOOR = 1660.53 sqmt.

TOTAL EXISTING COVD. AREA AT ALL FLOOR
895.460 + 2650.38+1892.29+1660.53 = **7098.66 sqmt.**

6.NON F.A.R. EXISTING AREA AT MUMTY IN BLOCK-D,G,
EXISTING COVD. AREA AT MUMTY=

BLOCK(D) = 14.400 sqmt.
BLOCK(G) = 58.180 sqmt.
TOTAL EXISTING COVD. AREA AT MUMTY = **72.580 sqmt.**

EXISTING COVD. AREA AT ALL FLOORS (FAR + NON FAR) -
7098.66+72.58 = 7171.24 sqmt.

TOTAL EXISTING COVD. AREA BEFORE CONTROLED AREA AND AFTER DECLARATION OF CONTROLLED -

1.EXISTING COVD. AREA AT LOWER G. FLOOR
895.46 + 187.46 = 1082.92 sqmt.

2.EXISTING COVD. AREA AT G. FLOOR
2650.38 + 48.75 + 42.13 + 104.61 = 2845.87 sqmt.

3. EXISTING COVD. AREA AT FIRST FLOOR = 1892.29 sqmt

4. EXISTING COVD. AREA AT SECOND FLOOR = 1660.53 sqmt.

5. EXISTING COVD. AREA AT THIRD FLOOR = 532.65 sqmt.

TOTAL EXISTING COVD AREA AT ALL FLOOR
1082.92 + 2845.87 + 1892.29 + 1660.53 + 532.65 = 8014.26 sqmt.

TOTAL EXISTING +COMPOUNDED COVD. AREA AT ALL FLOORS
WITH MUMTY= 7171.24 + 915.60 = 8086.84 sqmt.

PROPOSED COVERED AREA DETAIL -

1.PROPOSED COVD. AREA AT BLOCK-K

BASEMENT FLOOR = 678.557 sqmt.
GROUND FLOOR = 3120.11 sqmt.
FIRST FLOOR = 3039.28 sqmt.
SECOND FLOOR = 2957.68 sqmt.
THIRD FLOOR = 2957.68 sqmt.
MUMTY AREA = 225.04 sqmt.
TOTAL PROPOSED COVD. AREA
WITH MUMTY & BASEMENT BLOCK-K = 12918.34 sqmt.

TOTAL PROPOSED COVD. AREA
WITHOUT MUMTY & BASEMENT BLOCK-K = 12074.75 sqmt.

2.PROPOSED COVD. AREA BLOCK-N

BASEMENT FLOOR = 1089.82 sqmt.
GROUND FLOOR = 1558.69 sqmt.
FIRST FLOOR = 948.52 sqmt.
SECOND FLOOR = 948.52 sqmt.
THIRD FLOOR = 1558.69 sqmt.
MUMTY FLOOR = 182.76 sqmt.
TOTAL PROPOSED COVD. AREA
WITH MUMTY BLOCK-N = 6287.00 sqmt.

TOTAL PROPOSED COVD. AREA
WITHOUT MUMTY & BASEMENT BLOCK-N = 5014.42 sqmt.

3.PROPOSED COVD. AREA BLOCK-O

GROUND FLOOR = 548.45 sqmt.
MUMTY AREA = 52.84 sqmt.
TOTAL PROPOSED COVD. AREA
WITH MUMTY BLOCK-O = 601.29 sqmt

TOTAL PROPOSED COVD. AREA
WITHOUT MUMTY BLOCK-O = 548.45 sqmt

4.PROPOSED COVD. AREA BLOCK-P

GROUND FLOOR = 1799.97 sqmt.
TOTAL PROPOSED COVD. AREA BLOCK-P = 1799.97 sqmt.

TOTAL PROPOSED COVD. AREA AT GROUND FLOOR -
=3120.11 +1558.69+548.450+1799.97 = 7027.22 sqmt.

TOTAL PROPOSED COVD. AREA AT ALL FLOORS WITH MUMTY
= 12918.34 + 6287.00 + 601.29 + 1799.97 = 21606.60 sqmt.

TOTAL PROPOSED COVD. AREA AT ALL FLOORS WITHOUT BASEMENT & MUMTY (F.A.R.)
= 12074.75 +5014.42+548.450+1799.97 = 19437.59 sqmt.

TOTAL EXISTING+COMPOUNDED+PROPOSED COV. AREA AT G. FLOOR
= 2845.87 + 3120.11 + 1558.69 + 548.45 + 1799.97 = **9873.09 sqmt. (18.15 %)**

TOTAL (EXISTING +COMPOUNDED)+PROPOSED COVD. AREA AT ALL FLOOR = 8086.84 + 21606.60 = **29693.44 sqmt. (54.72 %)**

TOTAL COVD. AREA AS PER F.A.R. (WITHOUT BASEMENT & MUMTY)
8014.26 + 19437.59 = **27451.85 sqmt. (50.49%) OF SITE AREA**

PERM. REQUIRED PARKING = @100Sqmt/ECS
TOTAL COVD. AREA =29793.44 /100 = 297.93 ECS
OPEN PARKING @ 23 Sqmt. PER CAR
297.93 Cars X 23 = 6853.19 Sqmt
PROVIDED PARKING AREA =
74.79 X 108.69 - 10.06 X 6.70 - 2.84 X 3.50 = 8123.92 - 67.40 - 9.94
= **8051.58 Sqmt.**

74.79

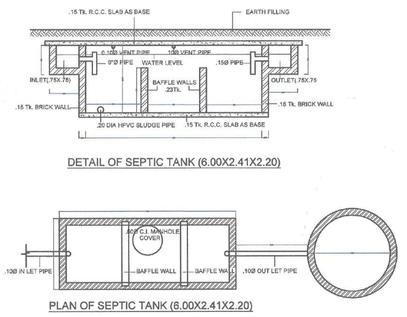
8051.58 sqmt

DETAIL OF RAIN WATER HARVESTING

1 WATER FROM 1ST AND EVEN THE SEASONAL RAIN SHOWER WILL NOT BE ALLOWED TO ENTER THE RECHARGE WELL.
2 THE ROOF TOP WILL BE KEPT CLEAN AND FREE FROM ANY OBJECTS
3 WASTE WATER OF THE FACTORY THAT IS FROM KIT,BATHROOM SEWARAGE OR EVEN THE WASTE AFTER OF COMPOUND WILL NOT BE ENTER THE RECHARGE WELL
4 THE INDUSTRIAL ESTABLISHMENTS WILL HAVE TO TAKEN EXTRA CARE SO THAT THE EFFLUENT THEY DISCHARGE AFTER THE PROGRESS OF INDUSTRY MAY NOT BE FIND ITS WAY IN THE RECHARGE WELL
5 PROPER GRADED MATERIL WILL BE USED IN THE RECHARGE WELL
6 PROPER MAINTENENCE & REPLACEMENT OF THE FILTERING MEDIA WILL BE DONE BY THE OWNER AS AND WHEN REQUIRED
7 THE ARRANGMENT OF QUICK FILTERATION OF RAIN WATER WILL BE MADE IN THE RAIN WATER HARVESTING WELL/ TUBE SO THAT RAIN WATER DOES NOT POLLUTE OR CHOKE THE STRADA

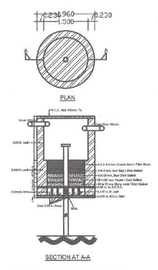
a) ALL I.C/G.T SHALL BE CONSTRUCTED BY THE OWNER
b) THE WORK OF PROVIDING PUBLIC HEALTH SERVICES SHALL BE COT DONE THROUGH APPROVED PLUMBER OF H.U.D.A.
c) THE SOAK PIT & SEPTIC TANK SHALL BE CONSTRUCTED AS PER THE PUBLIC HEALTH STANDARD NORMS/DESIGN
d) SLOPE IN UNDERGROUND SEWARAGE PIPE SHALL BE 1:40
e) ALL PIPES UNDER THE FLOOR SHALL BE OF H.C.I. PIPES SHALL BE EMBEDDED IN 1:2:4 CEMENT CONCRETE
f) THE G.I/C.I PIPES SHALL BE TESTED AGAINST A SMOKE TEST BEFORE THE SAME ARE PUT TO USE

NOTE:-
* RAIN WATER HARVESTING:-
Rain water harvesting system shall be provided at site as per pervalling norms of the Govt.
* SOLAR WATER HEATING SYSTEM:-
solar water heating system shall be provided at site as per pervalling norms of the Govt.
* LIGHTING
Use of LED & CFL Lights would be duly followed ensuring necessary compliance's.
* STRUCTURAL STABILITY CERTIFICATE:-
Certified that the structure parts of the entire building have designed on the basis of area and calculations and is considered safe in accordance with permissible stresses and slenderness ratio.
* EARTHQUAKE SAFETY CERTIFICATE:-
Certified that the entire building has been designed and shall be constructed in accordance the latest additionof NATIONAL BUILDING CODE OF BUREAU INDIAN STANDARD for structural stability and to with stand the Eartquake.

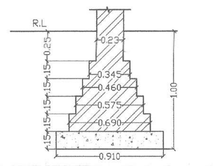


DETAIL OF SEPTIC TANK (6.00X2.41X2.20)

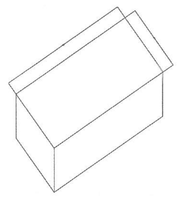
PLAN OF SEPTIC TANK (6.00X2.41X2.20)



RAIN WATER HARVESTING



FOUNDATION DETAIL



SIZE OF FINE BLOCK

Index For Public Health Services

- Ground Floor Block (1+2+4+4)

	WC	Urinals	Washbasin
Male Toilet Complex -	12	12	12
Ground Floor Block (3) Handicap Toilet Complex	1	-	1
Female Toilet Complex -	3	-	3

- All Desposal area connected with septic tank.

No. of IC's = 47 Size 0.60 X 0.60
No. of MH's = 109 Size 0.60 X 0.60
No. of GTs = 5 Size 0.45 X 0.45

- **Terrace:**
- Rain Water Pipe = Provided
- Over Head Water Tank - (9600 + 6000) - 10000 Litres for Domestic Service
- Under Ground Water Tank - 2,00,000 Litres for Fire Service
- Domestic Water Tank - 25,000 Litres
- Solar Water Heating System - Not Provided
- Provision of STP - Not Provided
- Source of Water - New Borewell

NOTE:- WATER CALCULATION ENCLOSED

7. EXISTING COVERED AREA ALREADY COMPOUNDED -
(a) I. LOWER GROUND FLOOR IN BLOCK- (F) = 187.46 sqmt.
II. GROUND FLOOR IN BLOCK- (H) = 48.75 sqmt.
III. GROUND FLOOR IN BLOCK-(J) = 42.13 sqmt.
IV G. F. IN BLOCK-(K) (TO BE DEMOLISHED)= 41.35 sqmt.
V GROUND FLOOR IN BLOCK-(L) = 104.61 sqmt.
TOTAL COMPOUNDED COVD. AREA AT G. FLOOR = 424.30 - 41.35
= 382.95 sqmt.

(b) I. F. FL. IN BLOCK-(K)(TO BE DEMOLISHED) = 1199.52 sqmt.

(c) I. S. FL.IN BLOCK-(K)(TO BE DEMOLISHED) = 296.30 sqmt.

(d) I. THIRD FLOOR IN BLOCK- (F) = 532.65 sqmt.

TOTAL COMPOUNDED COVD. AREA AT ALL FLOOR
382.95 + 532.65 = 915.60 sqmt.

PROJECT TITLE -	PROJECT TITLE -	APPLICANT -	ARCHITECT -
PROPOSED AND REVISED BUILDING PLAN FOR ADDITIONAL CONSTRUCTION OF INSTITUTIONAL BUILDING (SENIOR SECONDARY SCHOOL) SITE AREA MEASURING 54369.96 SQ.MT. FALLING IN THE REVENUE ESTATE OF VILLAGE- KHEWRA DISTT. SONIPAT FOR C/O MANN TECHNICAL EDUCATION SOCIETY . AT KHASRA NO.76//17/2,18/1/2, 19/1, 21/2, 22/2 ,23,24,93//3,4,5,6, 92//1,2,3/3,7/1,7/2,7/3,7/4,7/5,8/1,9,10,14/1,14/2, 15/1/1,15/1/2.	DATE - 31-11-2019 SCALE - 1 : 500 DRAWN BY - MOHIT SAROHA DRAWING TITLE - SITE PLAN N	For MANN TECHNICAL EDUCATION SOCIETY Authorised Signatory	Checked and found as per Public Health Engineering Department Act and to comments in force. No. SE/PHE/ dated 27/02/19 Superintending Engineer (HQ) HSVP, Panchkula