RAIN WATER HARVESTING CALCULATION:-
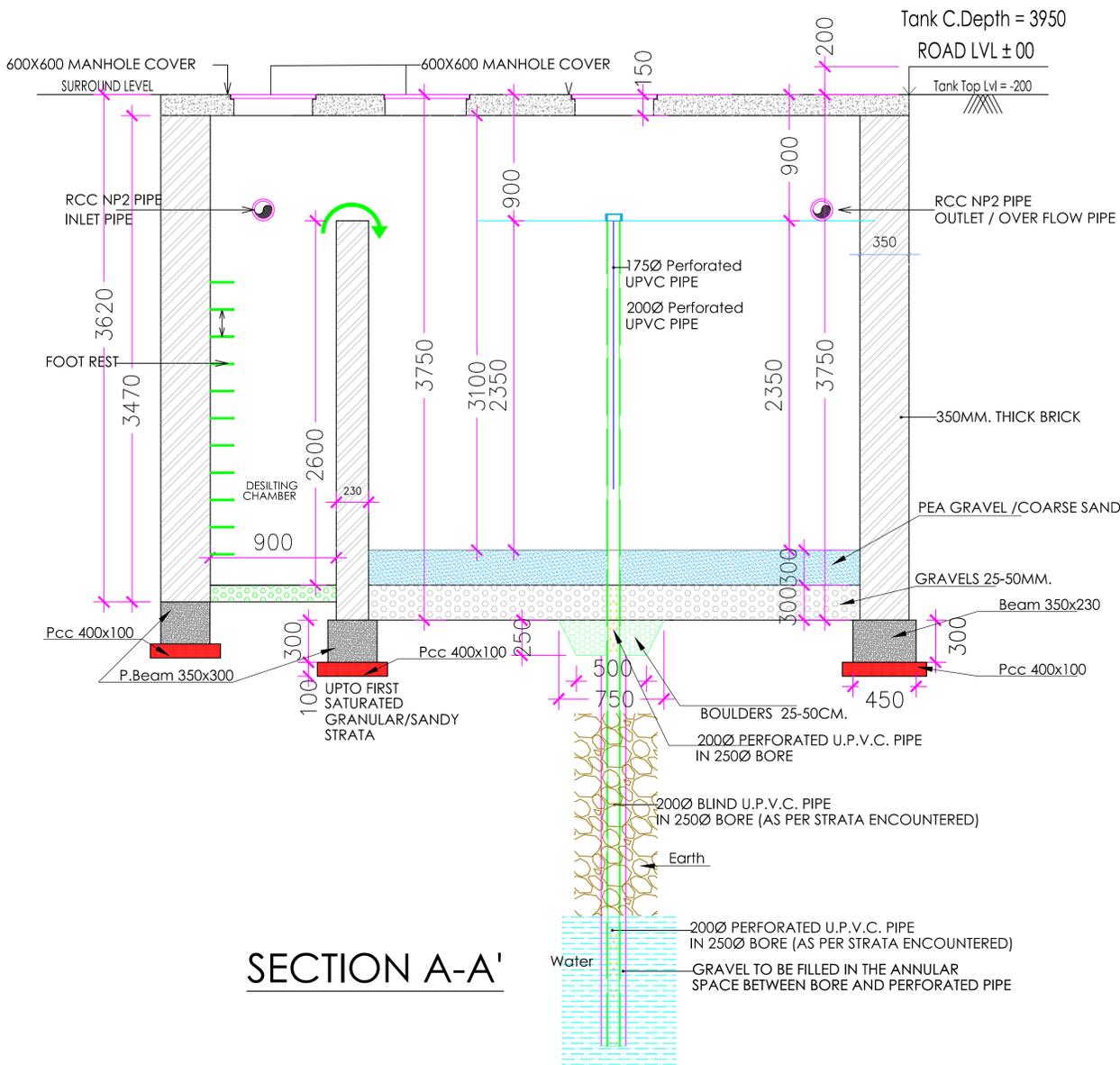
TOTAL COVERAGE AREA = 7500.00 Sqmt.

(R.W.H. T. Cap. FOR 400 Sq.mt. Cov. = 3.50 Cumt.)

R.W.H. T. REMANING = (3750- 400) = 3350.00 Sq.mt.

Required R.W.H.T. Cap. = 3350.00/50 X 0.5 = 33.50 Cumt.

TOTAL R.W.H. REQ. = (3.50 + 33.50) = 37.00 Cumt.

PROVIDED RAIN WATER HARVESTING(1 PITS)=37.00 CUmt

TANK CAP. (4.4 X 3.5 X 2.35 m Depth) = 36.0 Cumt.X 2 No Tank

Plan dimensions:

5330

4200

350

1425

600

600X600 MANHOLE COVER

600X600 MANHOLE COVER

600X600 MANHOLE COVER

600

600

600

600

R150

Bore Well 250 Dia

3500

600

900

3500

B-1

A — A'

SECTION A-A'

600X600 MANHOLE COVER
SURROUND LEVEL

600X600 MANHOLE COVER

Tank C.Depth = 3950

ROAD LVL ± 00

Tank Top Lvl = -200

150

200

900

RCC NP2 PIPE INLET PIPE

RCC NP2 PIPE OUTLET / OVER FLOW PIPE

350

175Ø Perforated UPVC PIPE

200Ø Perforated UPVC PIPE

FOOT REST

3620

3470

3750

3100

2350

2350

3750

900

2600

230

350MM. THICK BRICK

DESILTING CHAMBER

900

PEA GRAVEL /COARSE SAND

GRAVELS 25-50MM.

Beam 350x230

300

300

Pcc 400x100

P.Beam 350x300

Pcc 400x100

300

250

450

500

750

100

UPTO FIRST SATURATED GRANULAR/SANDY STRATA

BOULDERS 25-50CM.

200Ø PERFORATED U.P.V.C. PIPE IN 250Ø BORE

200Ø BLIND U.P.V.C. PIPE IN 250Ø BORE (AS PER STRATA ENCOUNTERED)

Earth

200Ø PERFORATED U.P.V.C. PIPE IN 250Ø BORE (AS PER STRATA ENCOUNTERED)

Water

GRAVEL TO BE FILLED IN THE ANNULAR SPACE BETWEEN BORE AND PERFORATED PIPE

ALL DIMENSIONS ARE IN MM. AND INDICATIVE ONLY. SUITABLE AMENDMENTS MAY BE DONE

THE DIMENSION OF STRUCTURAL ELEMENTS (FOUNDATION, WALL, SLAB ETC.) ARE ONLY INDICATIVE.
AS PER ACTUAL SITE CONDITIONS.
THESE SHALL BE AS PER STRUCTURAL DRAWINGS.
THE DIMENSION `X' SHALL BE CALCULATED ON THE BASIS OF INVERT OF UPSTREAM MANHOLE

WATER TABLE RECHARGING DETAIL

PROJECT: DEWAN ENCLAV LAYOUT PLAN SITE AT - DELHI ROAD MORADABAD	ARCHITECT : AR.SANJEEV RASTOGI Modern Architect Architect & Engineers Z-64 Mansarover Colomny Moradabad	DRAWING TITLE: RAIN WATER HARVESTING PIT.	DESIGNED BY MOHAMMAD YAMEEN	ARCHITECT : MODERN ARCHITECTS ARCHITECTS & ENGINEERS
		DEALT BY SHOEB	DATE 30-07-2022	Z-64 MANSAROVER COLONY MORADABAD
		SCALE	NTS	Mob. 94122 - 47224