



ATS BOUQUET-SITE PLAN

**TITLE: HYDRAULIC STORM WATER DESIGN CHART**

| S.No. | Line No. | Length | Pipe dia | Slope | Levels at start (mm) |      | Levels at End (mm) |      | Manhole Type |          |           |
|-------|----------|--------|----------|-------|----------------------|------|--------------------|------|--------------|----------|-----------|
|       |          |        |          |       | PRIL                 | IL   | PRIL               | IL   | From 600     | From 600 | From 2250 |
| 1.    | A1       | 18.2   | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 2.    | A2       | 18.2   | 300      | 3/100 | 900                  | 750  | 900                | 750  | 0            | 0        | 0         |
| 3.    | A3       | 18.0   | 300      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |
| 4.    | A4       | 18.0   | 300      | 3/100 | 900                  | 850  | 900                | 850  | 0            | 0        | 0         |
| 5.    | A5       | 11.0   | 300      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |
| 6.    | D.C.01   | 2.0    | 300      | 3/100 | 900                  | 900  | 900                | 900  | 0            | 0        | 0         |
| 7.    | R.P.01   | 5.0    | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 8.    | A6       | 19.2   | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 9.    | A7       | 19.2   | 300      | 3/100 | 900                  | 750  | 900                | 750  | 0            | 0        | 0         |
| 10.   | A8       | 19.2   | 400      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |
| 11.   | A9a      | 12.7   | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 12.   | A10      | 19.2   | 400      | 3/100 | 900                  | 850  | 900                | 850  | 0            | 0        | 0         |
| 13.   | A10      | 5.3    | 400      | 3/100 | 900                  | 1000 | 900                | 1000 | 0            | 0        | 0         |
| 14.   | D.C.02   | 2.0    | 400      | 3/100 | 900                  | 1000 | 900                | 1000 | 0            | 0        | 0         |
| 15.   | R.P.02   | 5.1    | 400      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |
| 16.   | A11a     | 13.8   | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 17.   | A11      | 21.9   | 400      | 3/100 | 900                  | 840  | 900                | 840  | 0            | 0        | 0         |
| 18.   | A12      | 11.9   | 400      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |
| 19.   | A13a     | 14.0   | 300      | 3/100 | 900                  | 700  | 900                | 700  | 0            | 0        | 0         |
| 20.   | A13      | 19.2   | 400      | 3/100 | 900                  | 800  | 900                | 800  | 0            | 0        | 0         |

**TITLE: HYDRAULIC STORM WATER DESIGN CHART**

| S.No. | Line No. | Length | Pipe dia | Slope | Levels at start (mm) |     | Levels at End (mm) |     | Manhole Type |          |           |
|-------|----------|--------|----------|-------|----------------------|-----|--------------------|-----|--------------|----------|-----------|
|       |          |        |          |       | PRIL                 | IL  | PRIL               | IL  | From 600     | From 600 | From 2250 |
| 21.   | A14      | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 22.   | D.C.03   | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 23.   | R.P.03   | 8.9    | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 24.   | A15a     | 10.9   | 300      | 3/100 | 900                  | 700 | 900                | 700 | 0            | 0        | 0         |
| 25.   | A15      | 18.0   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 26.   | A16      | 17.4   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 27.   | A17      | 2.18   | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 28.   | A18      | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 29.   | D.C.04   | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 30.   | R.P.04   | 5.4    | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 31.   | A19      | 11.8   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 32.   | A20      | 19.5   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 33.   | A21      | 15.2   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 34.   | D.C.05   | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 35.   | D.C.06   | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 36.   | A22      | 16.8   | 300      | 3/100 | 900                  | 700 | 900                | 700 | 0            | 0        | 0         |
| 37.   | A23      | 19.2   | 300      | 3/100 | 900                  | 700 | 900                | 700 | 0            | 0        | 0         |
| 38.   | A24      | 5.3    | 300      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 39.   | D.C.06   | 2.0    | 300      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |

**TITLE: HYDRAULIC STORM WATER DESIGN CHART**

| S.No. | Line No.   | Length | Pipe dia | Slope | Levels at start (mm) |     | Levels at End (mm) |     | Manhole Type |          |           |
|-------|------------|--------|----------|-------|----------------------|-----|--------------------|-----|--------------|----------|-----------|
|       |            |        |          |       | PRIL                 | IL  | PRIL               | IL  | From 600     | From 600 | From 2250 |
| 40.   | R.P.05     | 5.8    | 300      | 3/100 | 900                  | 700 | 900                | 700 | 0            | 0        | 0         |
| 41.   | A26        | 21.6   | 300      | 3/100 | 900                  | 700 | 900                | 700 | 0            | 0        | 0         |
| 42.   | A27        | 21.6   | 300      | 3/100 | 900                  | 750 | 900                | 750 | 0            | 0        | 0         |
| 43.   | A28        | 21.6   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 44.   | D.C.07     | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 45.   | D.C.08     | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 46.   | R.P.06     | 5.8    | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 47.   | A30        | 18.0   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 48.   | A31        | 21.6   | 400      | 3/100 | 900                  | 850 | 900                | 850 | 0            | 0        | 0         |
| 49.   | A32        | 15.4   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 50.   | A33        | 14.4   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 51.   | A34        | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 52.   | D.C.07     | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 53.   | R.P.07     | 5.8    | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 54.   | A35        | 20.2   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 55.   | A36        | 17.0   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 56.   | A37        | 12.0   | 400      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |
| 57.   | A38        | 5.3    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 58.   | D.C.08     | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 59.   | R.P.08     | 2.0    | 400      | 3/100 | 900                  | 900 | 900                | 900 | 0            | 0        | 0         |
| 60.   | CITY DRAIN | 25.0   | 500      | 3/100 | 900                  | 800 | 900                | 800 | 0            | 0        | 0         |

**PLUMBING & FIRE SERVICES LEGEND:**

- SEWER MANHOLE WITH 500MM MANHOLE COVER
- STORM WATER MANHOLE WITH 500MM PERFORATED MANHOLE COVER
- CATCH BASIN (450 x 450 MM)
- GRATE BASIN (600 x 600 MM)
- STORM WATER MANHOLE (300 x 300) MM
- SEWER MANHOLE (300 x 300) MM
- BILLY TRAP (300 x 300) MM
- Ø SOIL PIPE, SLOPE = 1/100
- Ø WASTE PIPE, SLOPE = 1/100
- EXTERNAL SEWER LINE (DIA AS / DESIGN CHART)
- 1500 RCP SPS INTERNAL STORM WATER LINE, S=1/200
- 180 L/D UPVC 114G PRESSURE STORM WATER PIPE, LINE, S=1/200
- EXTERNAL STORM WATER LINE (DIA AS / DESIGN CHART)
- DOMESTIC WATER SUPPLY LINE (DIA MENTION IN LAYOUT)
- FLUSHING WATER SUPPLY LINE (DIA MENTION IN LAYOUT)
- GARDEN IRRIGATION WATER SUPPLY LINE (DIA IN LAYOUT)
- EXTERNAL FIRE HYDRANT LINE (DIA MENTION IN LAYOUT)
- EXTERNAL FIRE HYDRANT (Ø 150 x 150) MM
- RECHARGE PIT, 3000 MM DIA
- DESALTING CHAMBER, 1000 x 3000MM
- FORMATION ROAD LEVEL
- INVERT LEVEL

**ISSUES**

| NO. | DATE | BY | DESCRIPTION | STATUS |
|-----|------|----|-------------|--------|
|     |      |    |             |        |

**REVISIONS**

| NO. | DATE | BY | DESCRIPTION |
|-----|------|----|-------------|
|     |      |    |             |

**OWNER:**  
M/s URVI HOMES PVT. LTD.  
PLOT NO. - A 2/2, SECTOR -132, NOIDA, U.P.

**PROJECT:**  
ATS-BOUQUET  
AT SECTOR-132 NOIDA

**LEAD CONSULTANT:**  
Architect  
Hafeez Contractor  
29 Bank Street, Bombay-23, PH:2661920

**DESIGN DEVELOPMENT & DETAILING**  
ATS DESIGN & DEVELOPMENT DIVISION  
PLOT NO. -16, SECTOR - 135  
NOIDA, (U.P.), 201301

**SERVICES CONSULTANTS:**  
PARADISE CONSULTANTS  
PLOT NO. 96, POCKET-1, BASEMENT  
JASOLA VIHAR NEW DELHI - 110025  
PH-91-11-29943601, 46132900, 41030619  
E-mail: paradiseconsultants@gmail.com

**DRAWING TITLE:**  
EXTERNAL SITE PLAN  
STORM WATER PLUMBING LAYOUT

**scale:** 1:350 (A1)  
**date:** 23/08/17  
**project no:** ...  
**drawing no:** ...

**drawn by:** MAN SINGH  
**checked by:** ANIL  
**approved by:** NAFEES

**WORKING DRAWING**

**REVISION**

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |

**PC-ATS-BOUQUET-SITE-102**