

FOR CATCHMENT AREA TRUNK LINE										
line element no.	starting point	end point	pipe size in inches	slope ratio	pipe length in meter	level of pipe line at start point in M from BM	level of pipe line at end in M from BM	slope ratio 1 in	FFL of start point from BM	Expected depth of manhole in MM from Road FFL
TRUNK LINE										
SL-1	MH-1	MH-2	6	0.004725	18.28	99.550	99.464	212	100.00	0.450
SL-2	MH-2	MH-3	6	0.004725	18.28	99.464	99.377	212	100.00	0.536
SL-3	MH-3	MH-4	6	0.004725	17.84	99.377	99.293	212	100.00	0.623
SL-4	MH-4	MH-5	6	0.004725	20.28	99.293	99.197	212	100.00	0.707
SL-5	MH-5	MH-6	6	0.004725	17.74	99.197	99.113	212	100.00	0.803
SL-6	MH-6	MH-7	6	0.004725	18	99.113	99.028	212	100.00	0.887
SL-7	MH-7	MH-8	6	0.004725	18	99.028	98.943	212	100.00	0.972
SL-8	MH-8	MH-9	6	0.004725	18	98.943	98.858	212	100.00	1.057
SL-9	MH-9	MH-10	6	0.004725	17.89	98.858	98.774	212	100.00	1.142
SL-10	MH-10	MH-11	6	0.004725	17.11	98.774	98.693	212	100.00	1.226
SL-11	MH-11	MH-12	6	0.004725	16.38	98.693	98.615	212	100.00	1.307
SL-12	MH-12	MH-13	6	0.004725	18	98.615	98.530	212	100.00	1.385
SL-13	MH-13	MH-14	6	0.004725	18	98.530	98.445	212	100.00	1.470
SL-14	MH-14	MH-15	6	0.004725	18	98.445	98.360	212	100.00	1.555
SL-15	MH-15	MH-16	6	0.004725	18	98.360	98.275	212	100.00	1.640
SL-16	MH-16	MH-17	6	0.004725	18	98.275	98.190	212	100.00	1.725
SL-17	MH-17	MH-18	6	0.004725	10	98.190	98.143	212	100.00	1.810
SL-18	MH-18	STP								
BRANCH LINE-1 AT MH-5										
SL-5.1	MH-5.1	MH-5.2	6	0.004725	18.28	99.550	99.464	212	100.00	0.450
SL-5.2	MH-5.2	MH-5.3	6	0.004725	18.28	99.464	99.377	212	100.00	0.536
SL-5.3	MH-5.3	MH-5	6	0.004725	17.78	99.377	99.293	212	100.00	0.623
BRANCH LINE-2 AT MH-9										
SL-9.1	MH-9.1	MH-9.2	6	0.004725	14.67	99.550	99.481	212	100.00	0.450
SL-9.2	MH-9.2	MH-9.3	6	0.004725	13.7	99.481	99.416	212	100.00	0.519
SL-9.3	MH-9.3	MH-9.4	6	0.004725	13.72	99.416	99.351	212	100.00	0.584
SL-9.4	MH-9.4	MH-9.5	6	0.004725	13.68	99.351	99.286	212	100.00	0.649
SL-9.5	MH-9.5	MH-9.6	6	0.004725	13.83	99.286	99.221	212	100.00	0.714
SL-9.6	MH-9.6	MH-9.7	6	0.004725	13.49	99.221	99.157	212	100.00	0.779
SL-9.7	MH-9.7	MH-9	6	0.004725	7.32	99.157	99.123	212	100.00	0.843
BRANCH LINE-3 AT MH-17										
SL-17.1	MH-17.1	MH-17	6	0.004725	9.25	99.550	99.506	212	100.00	0.450
BRANCH LINE-4 AT MH-18										
SL-18.1	MH-18.1	MH-18.2	6	0.004725	13.73	99.550	99.485	212	100.00	0.450
SL-18.2	MH-18.2	MH-18.3	6	0.004725	13.73	99.485	99.420	212	100.00	0.515
SL-18.3	MH-18.3	MH-18.4	6	0.004725	13.73	99.420	99.355	212	100.00	0.580
SL-18.4	MH-18.4	MH-18.5	6	0.004725	13.73	99.355	99.291	212	100.00	0.645
SL-18.5	MH-18.5	MH-18.6	6	0.004725	13.73	99.291	99.226	212	100.00	0.709
SL-18.6	MH-18.6	MH-18.7	6	0.004725	11.51	99.226	99.171	212	100.00	0.774
SL-18.7	MH-18.7	MH-18.8	6	0.004725	10.92	99.171	99.120	212	100.00	0.829
SL-18.8	MH-18.8	MH-18.9	6	0.004725	20.76	99.120	99.022	212	100.00	0.880
SL-18.9	MH-18.9	MH-18.10	6	0.004725	10	99.022	98.974	212	100.00	0.978
SL-18.10	MH-18.10	MH-18.11	6	0.004725	18	98.974	98.889	212	100.00	1.026
SL-18.11	MH-18.11	MH-18.12	6	0.004725	18	98.889	98.804	212	100.00	1.111
SL-18.12	MH-18.12	MH-18	6	0.004725	13.9	98.804	98.739	212	100.00	1.196
BRANCH LINE-5 AT MH-18.8										
SL-18.8.1	MH-18.8.1	MH-18.8.2	6	0.004725	15.24	99.550	99.478	212	100.00	0.450
SL-18.8.2	MH-18.8.2	MH-18.8.3	6	0.004725	15.24	99.478	99.406	212	100.00	0.522
SL-18.8.3	MH-18.8.3	MH-18.8.4	6	0.004725	15.24	99.406	99.334	212	100.00	0.594
SL-18.8.4	MH-18.8.4	MH-18.8.5	6	0.004725	15.24	99.334	99.262	212	100.00	0.666
SL-18.8.5	MH-18.8.5	MH-18.8.6	6	0.004725	15.24	99.262	99.190	212	100.00	0.738
SL-18.8.6	MH-18.8.6	MH-18.8	6	0.004725	15.24	99.190	99.118	212	100.00	0.810

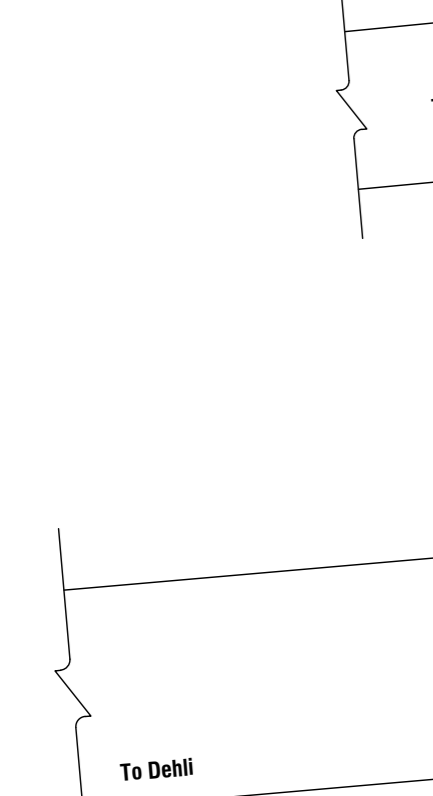
FOR JANAM BHUMI IRON PRIVATE LIMITED										
<i>Authorised Signatories</i>										
Please sign above / कृपया यहाँ माहतर बनें										
Plan of Manhole										
Direction of Flow in Main line										
Direction of Flow in branch line										
Straight Through Manhole $\phi > 90^\circ < 180^\circ$										
Two Line Junction Manhole $\phi 1, \phi 2 > 0^\circ < 90^\circ$										
Junction Manhole $\phi > 0^\circ < 90^\circ$										
SECTION OF HAUNCHING										
SECTION OF ENCASEMENT OF PIPE										
DETAIL OF MANHOLE (DEPTH MORE THAN 0.90 M)										
DETAIL OF BENCHING IN MANHOLE										
SECTION - B-B CIRCULAR MANHOLES										
SECTION - SEWER MANHOLE MANHOLE (400-1-1)										
SECTION - SEWER MANHOLE MANHOLE (400-2-2)										
SECTIONAL PLAN FOR SEWER MANHOLE										
PLAN DIA-900 & DIA-1200 mm										
RENDERING WITH CEMENT MORTAR 1:2										
MATERIAL OF CONSTRUCTION - BRICK, I.C. C										
TOP OF COVER - PRECAST (R.C.C)										
GRADE - M-20										

For JANAM BHUMI IRON PRIVATE LIMITED

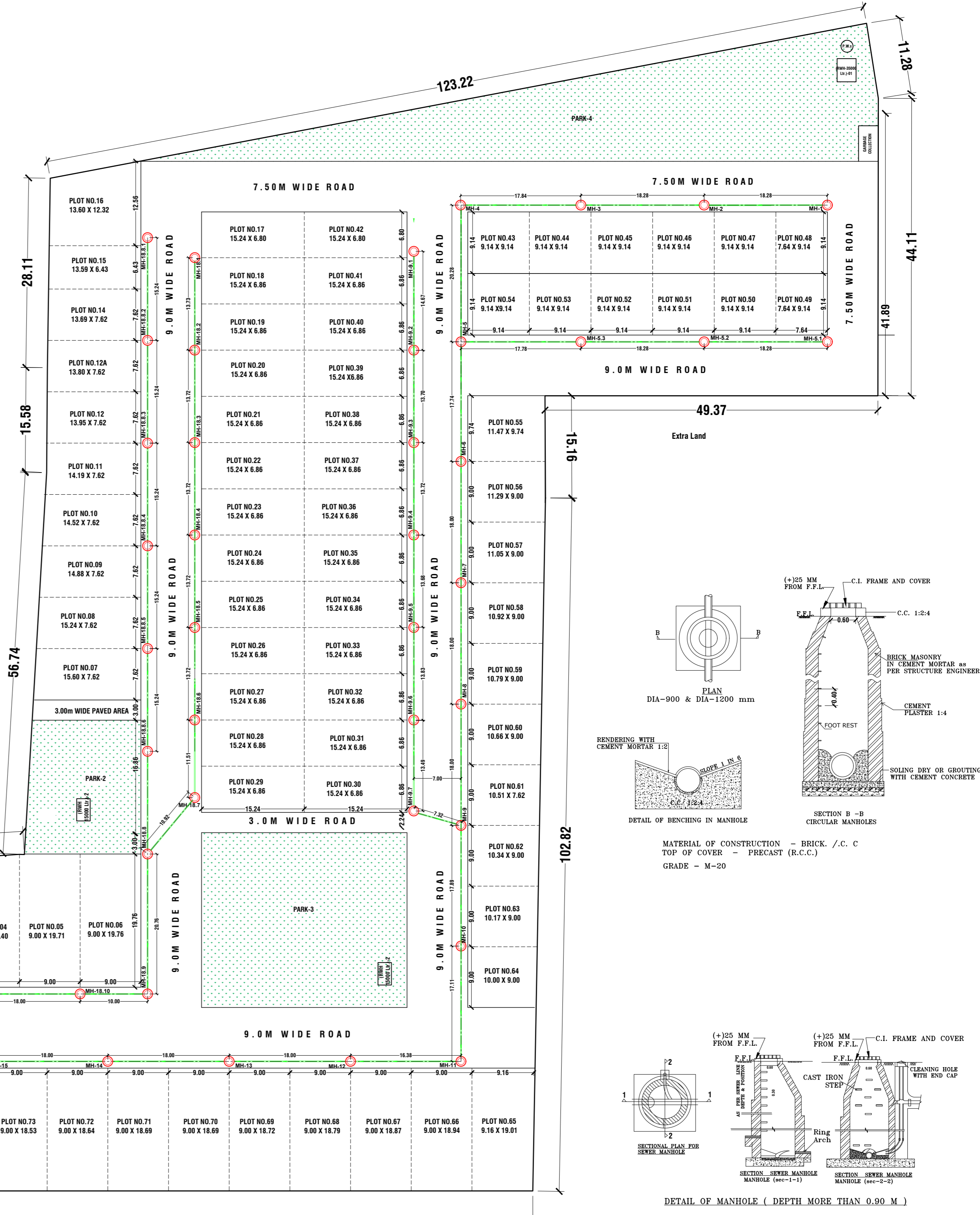
Authorised Signatories

Please sign above / कृपया यहाँ माहतर बनें

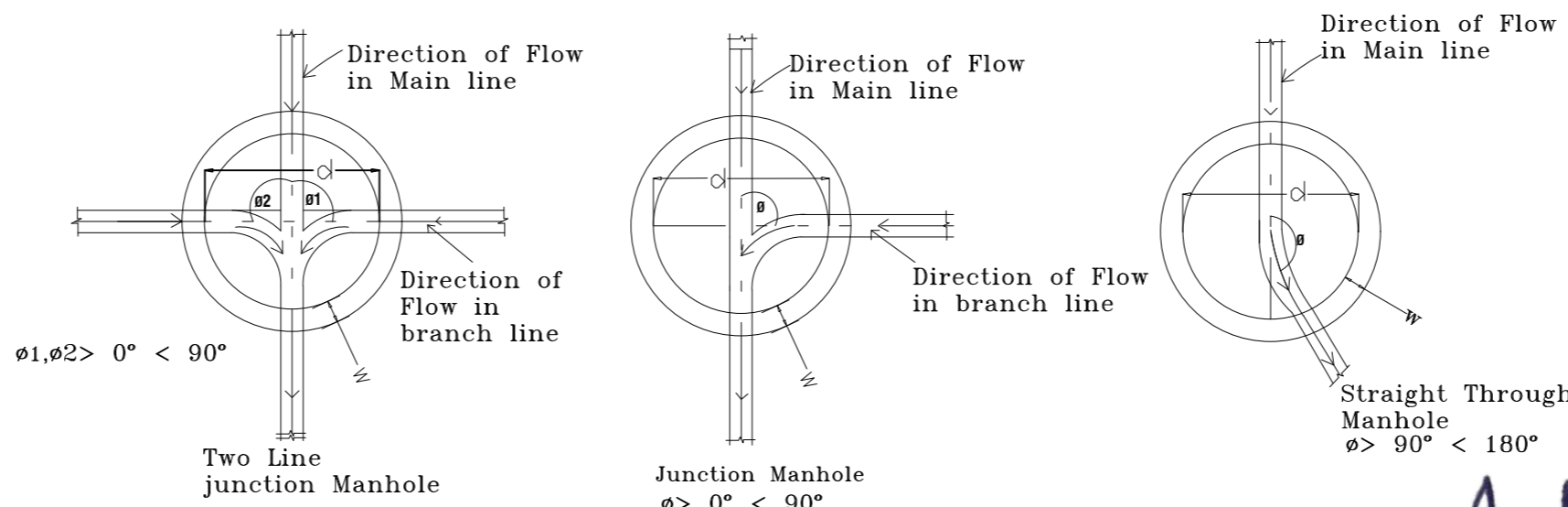
GOVERNMENT SCHOOL BUILDING



Sewer Line Layout Plan



Plan of Manhole



d = 900 mm for depth 900 to 1650mm.
d = 1200 mm for depth 1650 to 2300mm.
w = width of outer wall as per structure Engineer.

Ar. Ankur Verma
CA/2018/95612
Ph:8265820136

Project :
Plan of "Agastya's Avenue" Proposed Residential Colony layout plan on Khasra No. 2120 Mauja jait, Teh, & Distt, Mathura

Client : Janam Bhumi Iron Private Limited

REVISION	
SR.NO	DATE

Drawing Title:
Colony Layout Plan

PROJECT NO.: CEMG/2024-2025

Dated: 07.01.2026

Design By: Er. Naresh Baghel

DRAWING NO.: BN/CO/AR/01/04

North

CONSULTANTS:-

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