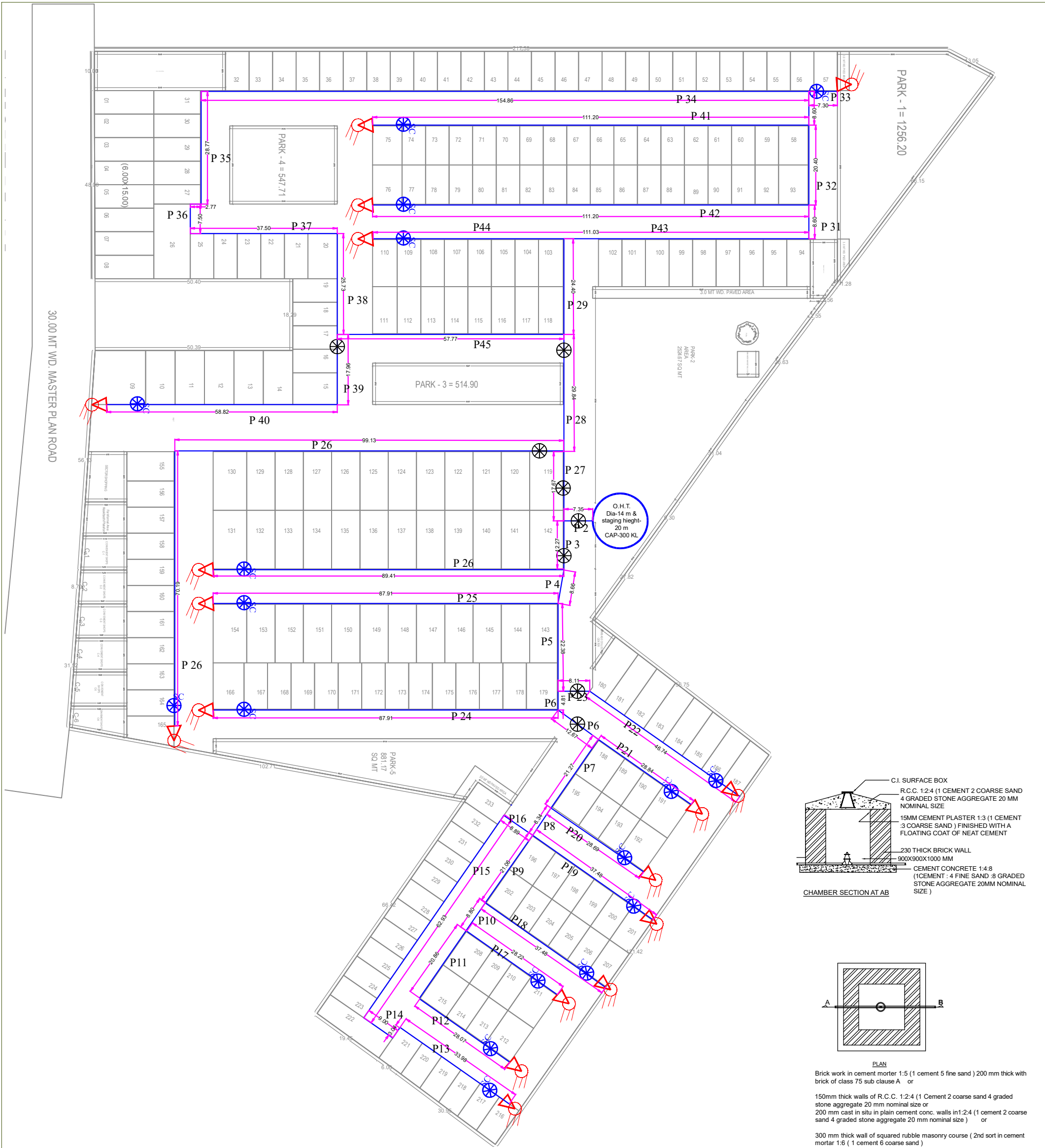
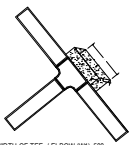


IS CODE 12288 - CODE OF PRACTICE FOR LAYING PIPES



D = WIDTH OF TEE / ELBOW (W1) x 500
W = WIDTH OF TEE / ELBOW (W2) x 400
THRUST BLOCK FOR TEE / ELBOW JUNCTION

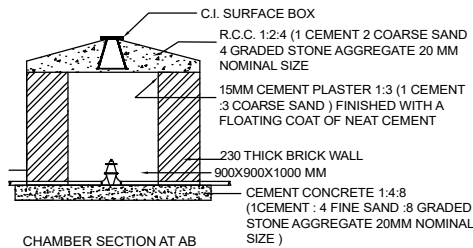


THRUST BLOCK FOR DEAD END
D1 = WIDTH OF END CAP / FLANCH (W2) x 500

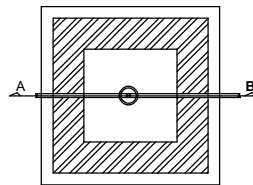
Design of Thrust block at change in alignment up to 90 degree				
At BC of soil 10 T /Sq m				
Nominal Pipe Size	Outside Diameter	width of block	Hight of block	Lenght of block
(inches)	(inches)	m	m	m
2	2.375	0.4	0.4	0.6
2 1/2	2.875	0.4	0.4	0.7
3	3.5	0.4	0.4	0.7
4	4.5	0.4	0.4	1.2
6	6.625	0.45	0.45	2.1
8	8.625	0.5	0.5	3.2
10	10.75	0.55	0.55	4.4
Reinforcement required: 10 mm bar at 200 mm c/c				

Note:-

- All dimensions are in metric system unless otherwise stated.
- Position of valves are indicative in nature only, location is to be selected on required pipe as per site and traffic condition by contractor, in consultation with chief Engineer.
- All tail ends are to be fitted with suitable air release valves as per following up to 152 mm dia pipe 12 mm, from 200 mm & above to 300 mm dia 25 mm air release valves.
- At all Road crossing Pipes to be protected by reinforced concrete to sustain 40 ton axle load.
- All laying of upvc pipe should meet IS 4985 : 2000.
- Testing of pipe line are to be done at 1.5 time of design pressure i.e. 30 m water Column or to the satisfaction of site in-charge.



CHAMBER SECTION AT AB



Brick work in cement mortar 1:5 (1 cement 5 fine sand) 200 mm thick with brick of class 75 sub clause A or

150mm thick walls of R.C.C. 1:2:4 (1 Cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size or 200 mm cast in situ in plain cement conc. walls in 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) or

300 mm thick wall of squared rubble masonry course (2nd sort in cement mortar 1:6 (1 cement 6 coarse sand)

Legends

	Air Release Valve
	Gate Valve
	Scour Valve
	2-1/2" PVC IS 4985 : 2000 Class 3
	3.89 Dimension



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PURPOSE OF DRAWING:
Sender Approval G.F.C.
Signature (Drawn By):

SHEET DETAILS:
Sheet No.: 1
Sheet Size: A1
Version: V1

Drawing Number:
DRS-D-324-20
Date: 11-11-2021
Client's Name:

Engineers' Details:
Drawn By:- ANKIT SACHDEVA
Design Engineer - PHE
Checked By:- DINKAR SAXENA

Version Details:- Version No:- Ver-1
Date Of Version:-
Description:- Water Supply Layout

Current Version Notes:-
Previous Version No. & Date:-
Ver- 1
Version Notes:

Technical Notes:-
Previous Version No. & Date:-
Version Notes:

NORTH:

Previous Version No. & Date:-
Version Notes:

Drawing Title:
Water Supply Layout

Project Name:
BHAUNA CITY

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