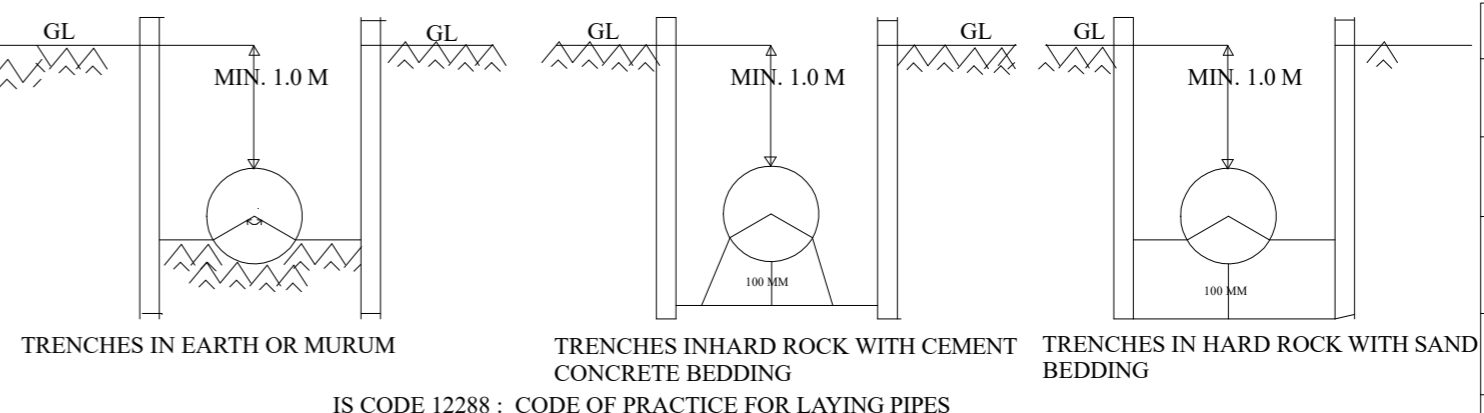
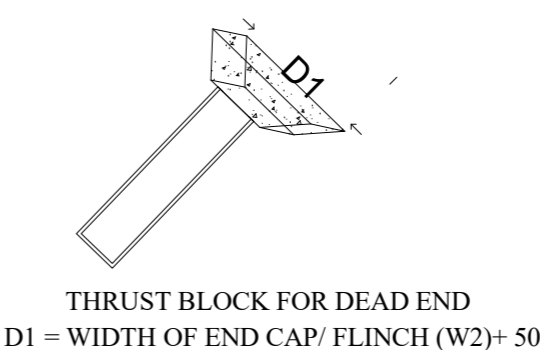
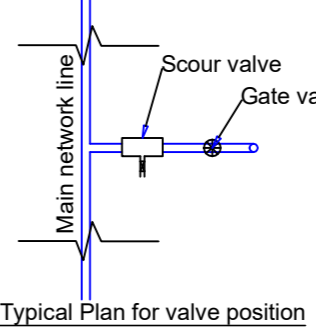
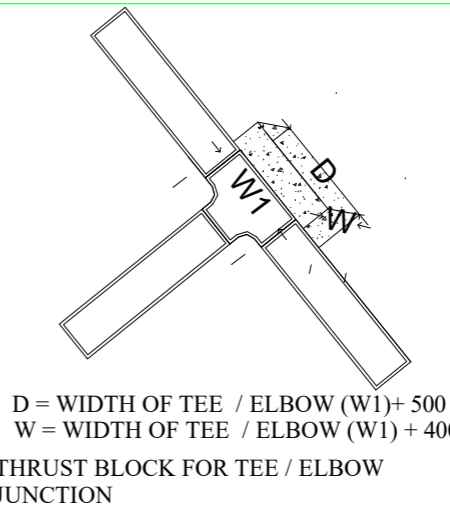
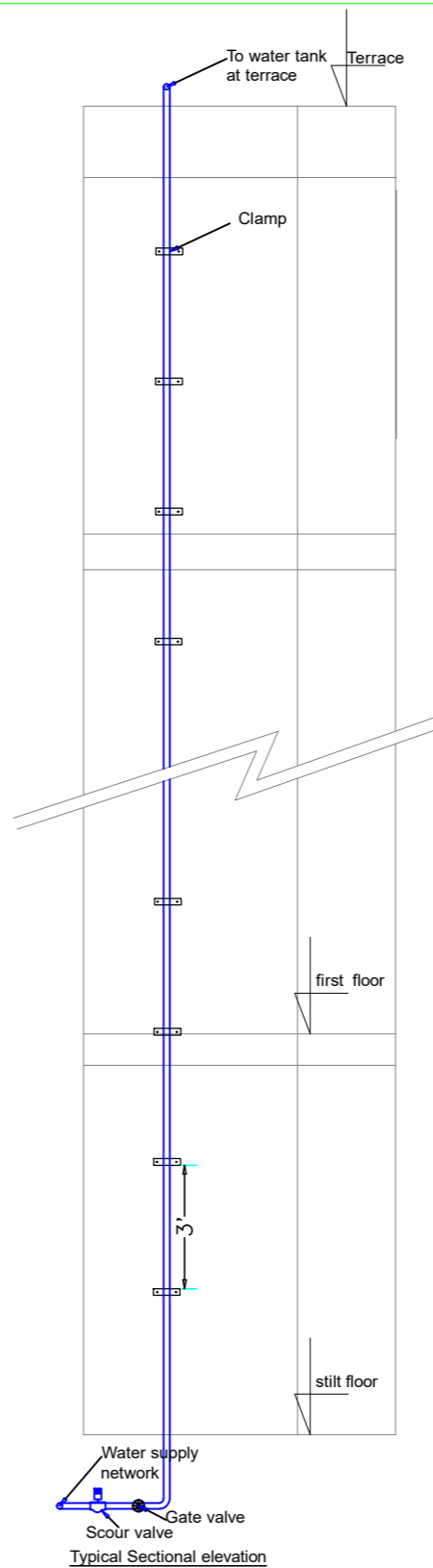
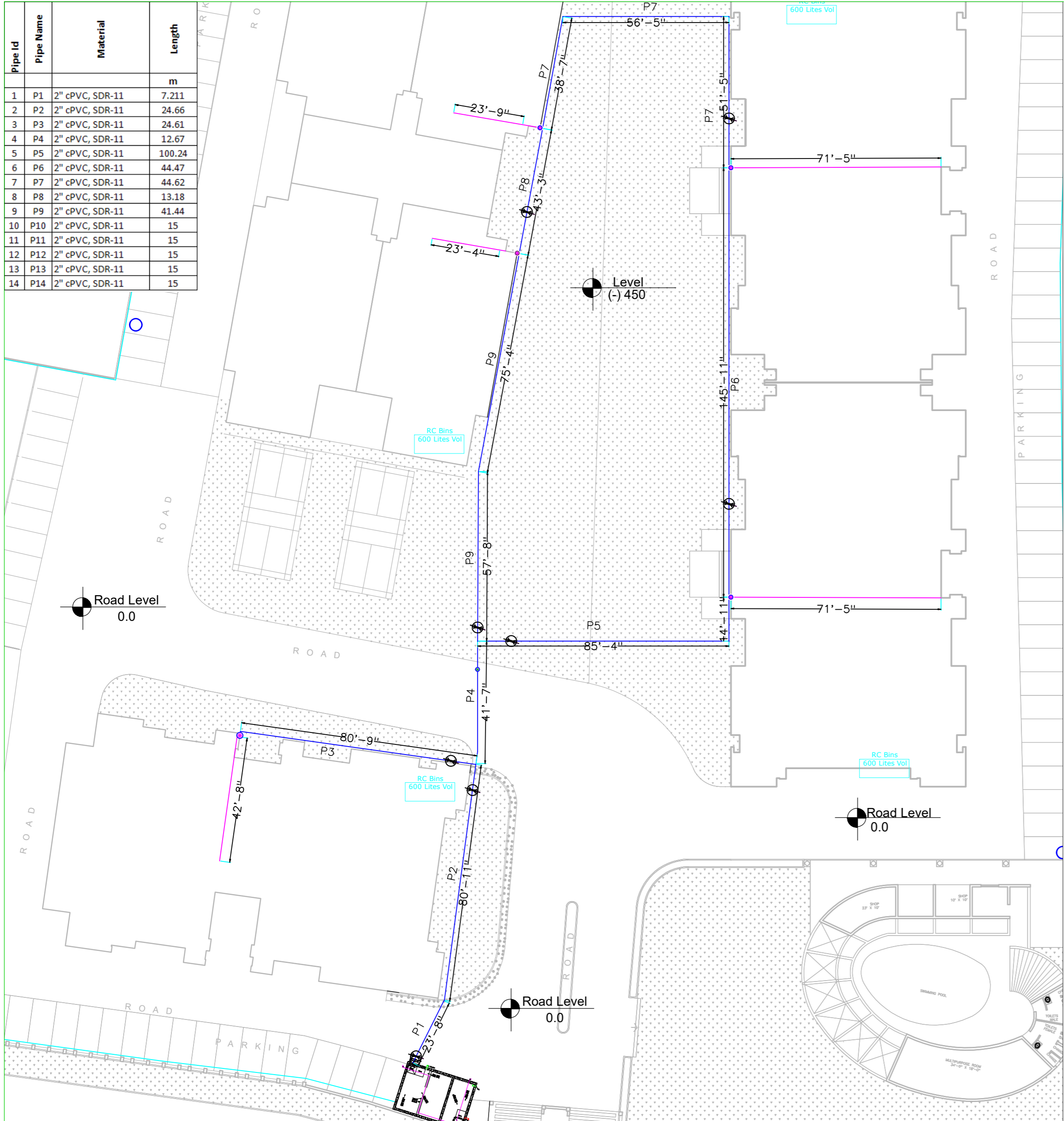
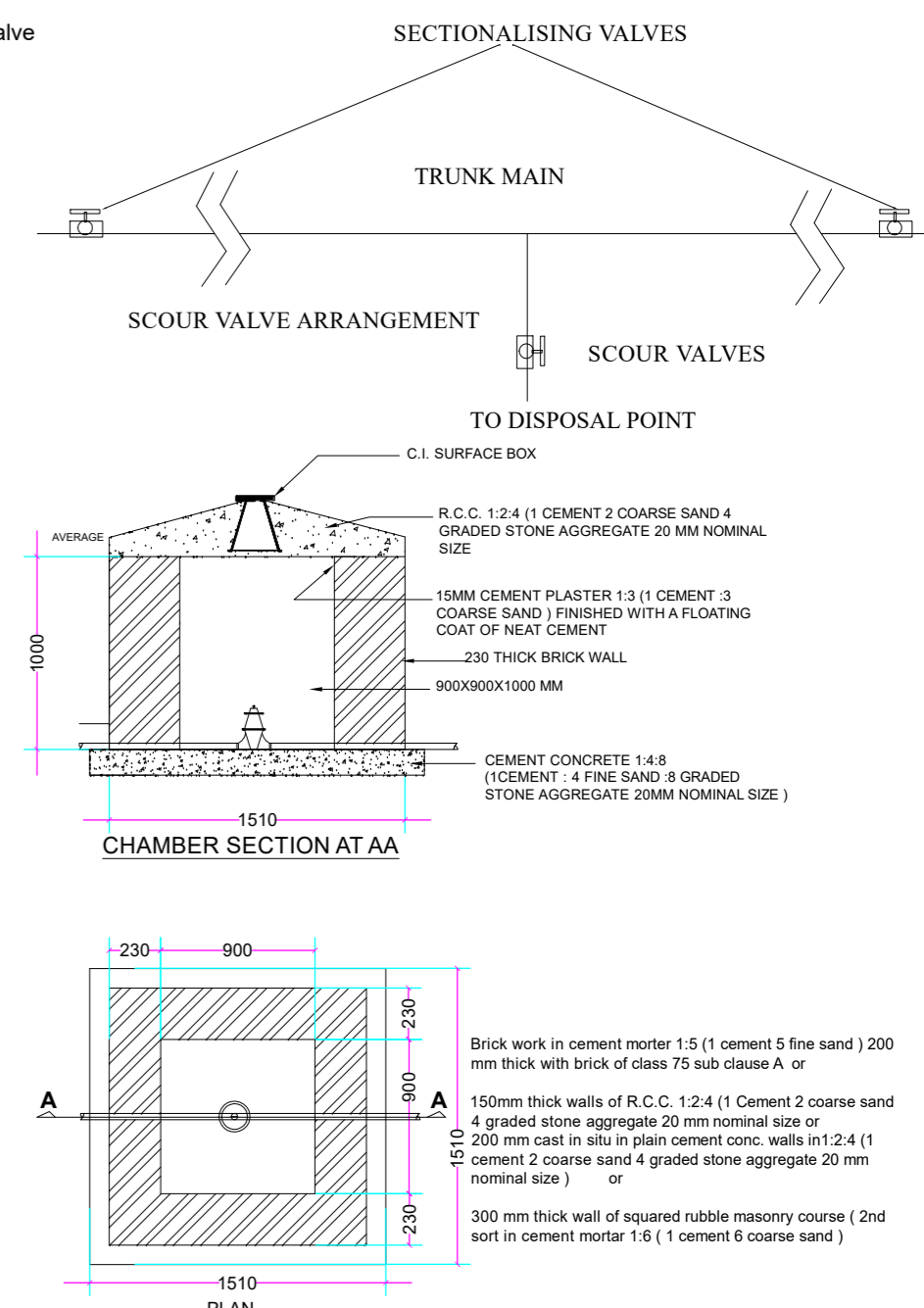


Pipe Id	Pipe Name	Material	Length
1	P1	2" cPVC, SDR-11	7.211
2	P2	2" cPVC, SDR-11	24.66
3	P3	2" cPVC, SDR-11	24.61
4	P4	2" cPVC, SDR-11	12.67
5	P5	2" cPVC, SDR-11	100.24
6	P6	2" cPVC, SDR-11	44.47
7	P7	2" cPVC, SDR-11	44.62
8	P8	2" cPVC, SDR-11	13.18
9	P9	2" cPVC, SDR-11	41.44
10	P10	2" cPVC, SDR-11	15
11	P11	2" cPVC, SDR-11	15
12	P12	2" cPVC, SDR-11	15
13	P13	2" cPVC, SDR-11	15
14	P14	2" cPVC, SDR-11	15



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



LEGENDS	
	Water supply line
	Air release valve
	Gate Valve
	water supply to tank at terrace vertically
	2" water supply pipe at terrace to OHT

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441 SECTOR 16, SIKANDRA AVAS YOJNA SIKANDRA AGRA
282007, Email: info@wateronline.co.in, Web: www.wateronline.co.in

For engineering details please refer to see attached calculations. All structural detail are suggestive in nature and are need to have revision by structural engineers.

PURPOSE OF DRAWING

G.F.C. APPROVAL TENDER

SHEET SIZE: A2 SHEET NO.: 1

DRG.NO.: DRS/D60/WS/2011

DATE: 15-07-2011

DRN.BY: ASHISH SHARMA

CHKD.BY: DINKAR SAXENA

REVISION NOTES:

No.	DATED	DISCRIPTION
0	29-03-14	

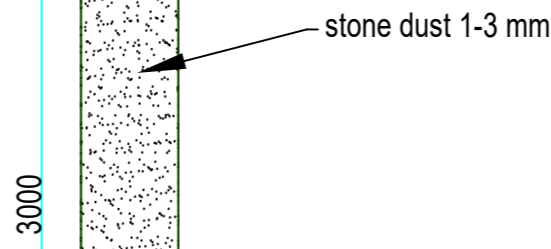
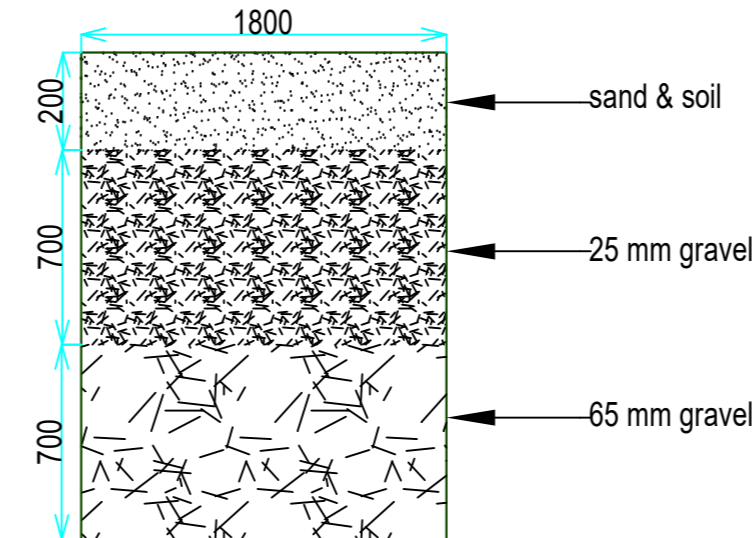
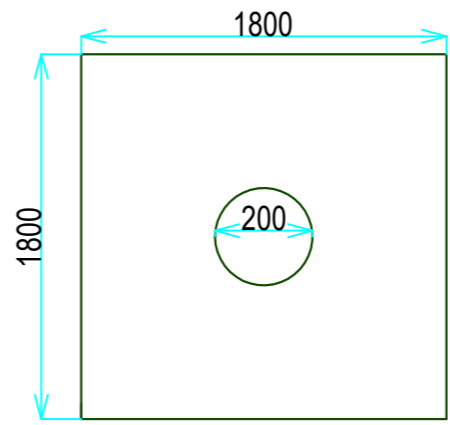
CLIENT: RANGJI BUILDWELL PVT. LTD

PROJECT: RANGJI HIEGHTS AGRA

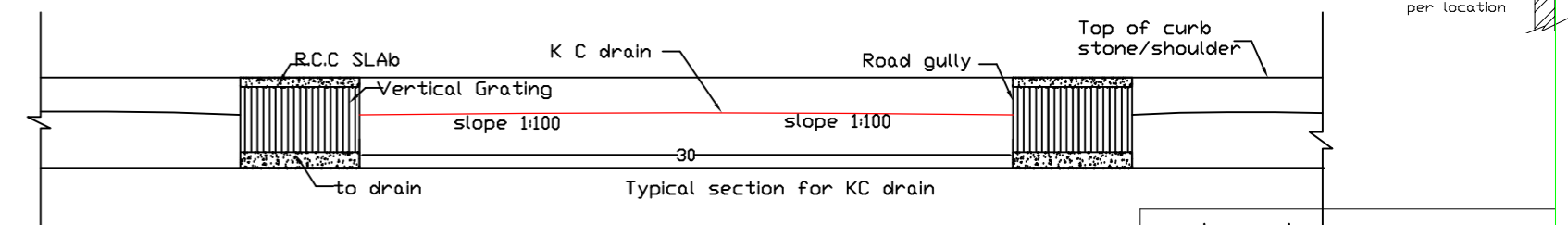
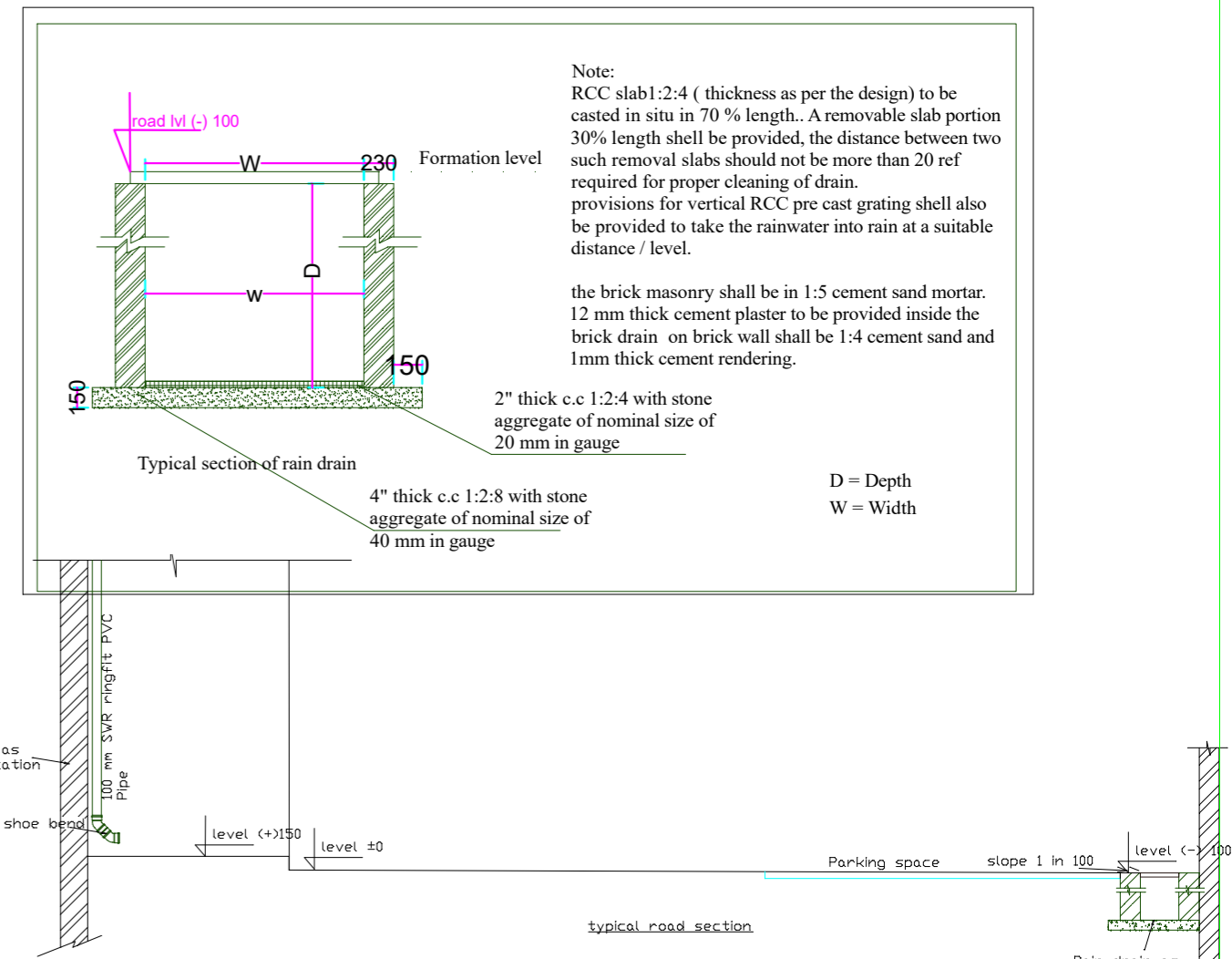
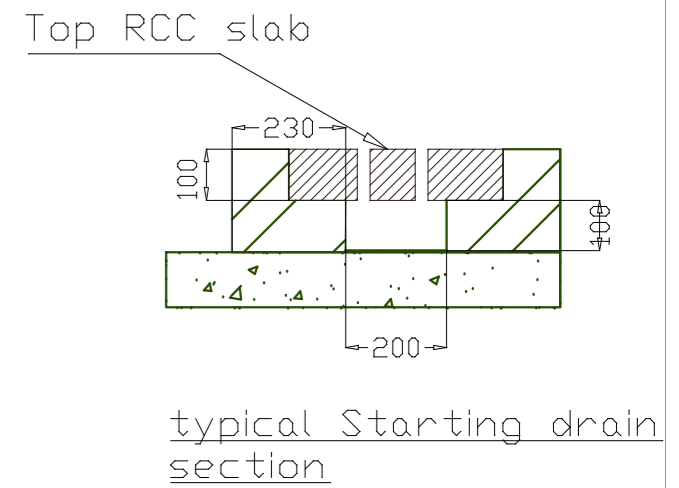
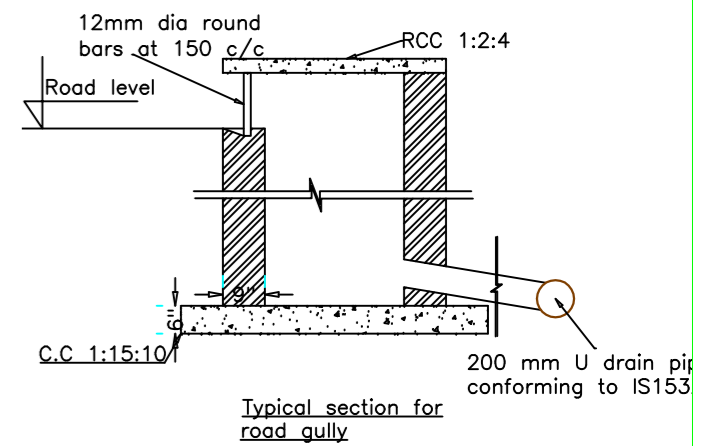
DRG. TITLE: external water supply layout

SERVICES CONSULTANT

DINKAR SAXENA
M.Sc., M.I.E., C.Eng., F.I.P.H.E.
CHARTERED ENGINEER
M- 128465-1



Segment element no.	Drain cross section size in mm (Depth,D X width,W) at start	Length of drain in foot	actual road level	Invert of drain at start point in mm from Road level	slop 1 in
RW-1&2 Main Line					
SG-1	200X200	50	0	-200	130
SG-2	321X250	50	0	-321	180
SG-3	408X300	50	0	-408	180
SG-4	492X400	50	0	-492	290
SG-5	544X450	50	0	-544	360
SG-6	587X450	50	0	-587	370
SG-7	628X450	50	0	-628	430
SG-8	663X450	50	0	-663	490
SG-9	694X450	50	0	-694	510
SG-10	724X450	50	0	-724	520
SG-11	753X450	50	0	-753	530
SG-12	782X450	50	0	-782	540
SG-13	810X450	50	0	-810	550
Rain drain at park					
SG-1.1	200X200	50	0	-650	130
SG-1.2	321X250	50	0	-771	180
SG-1.3	408X300	50	0	-858	180
SG-1.4	492X400	50	0	-942	290
SG-1.5	544X450	50	0	-994	360
SG-1.6	587X450	50	0	-1037	370
SG-1.7	628X450	50	0	-1078	430
SG-1.8	663X450	50	0	-1113	490
SG-1.9	694X450	50	0	-1144	510
SG-1.10	724X450	50	0	-1174	520



Total no. of residents = 700
Waste Generated per capita = 500 grams
Toatal waste generated = 350KG
Taking desity of MSW is 500 KG/CUM
Total Waste Generated = 700 Litres.
Thus Refused Collector Bins of 600 Litres Capacity have been placed at every tower having retention period of 2 days each.

Legends:	
SP	Rain drain Start point
WP	Weir point
Direction of flow	
over flow	
UG rain	

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Web: www.wateronline.co.in

For engineering details please refer to see attached calculations. All structural detail are suggestive in nature and are need to have revision by structural engineers.

PURPOSE OF DRAWING

G.E.C. APPROVAL TENDER

SHEET SIZE A2 SHEET NO. : 2

DRG.NO.: DRS/D60/RW/2011

DATE: 15-07-2011

DRN.BY: ASHISH SHARMA

CHKD.BY: DINKAR SAXENA

REVISION NOTES:

03	28-10-13	addition of new catchment
No.	DATED	DISCRIPTION

CLIENT: RANGI BUILDWELL PVT. LTD

TYPICAL FLOOR PLAN

PROJECT: RANGI HIEGHTS AGRA

DRG. TITLE: RAIN WATER

SERVICES CONSULTANT

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