

This drawing and/or its contents, information, and principles of design are the exclusive property of Dass Rasayanic Services, Agra and is submitted to you with the agreement that it is not to be reproduced in any manner, copied, or modified, nor is it to be relayed in part or in whole to any other firm or individual for any other project except by written agreement with DASS RASAYANIC SERVICES

SERVICE CONSULTANTS:
DASS RASAYANIC SERVICES
441 SECTOR 16, SIKANDRA AVAS YOINA SIKANDRA AGRA
282007. Email: info@waterline.co.in
Web: www.waterline.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

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

REVISION NOTES:

DATE: 15-07-2011

APPROVAL

TENDER

SHEET SIZE: A2

SHEET NO. : 1

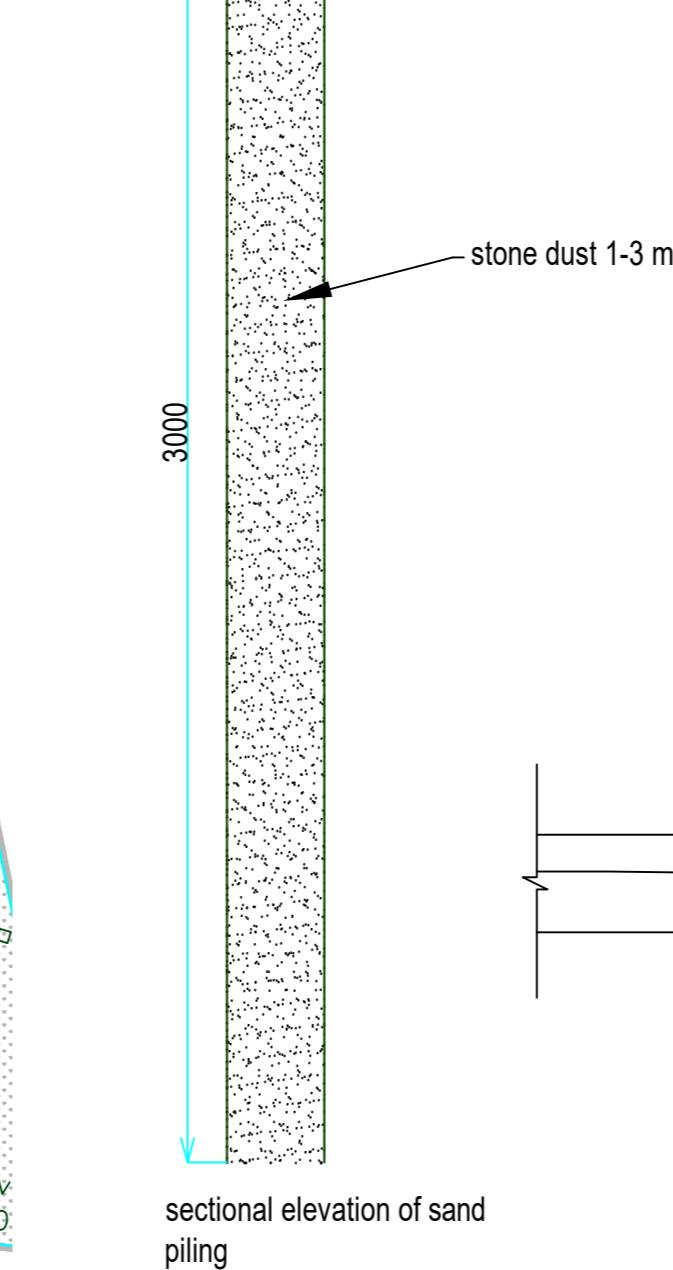
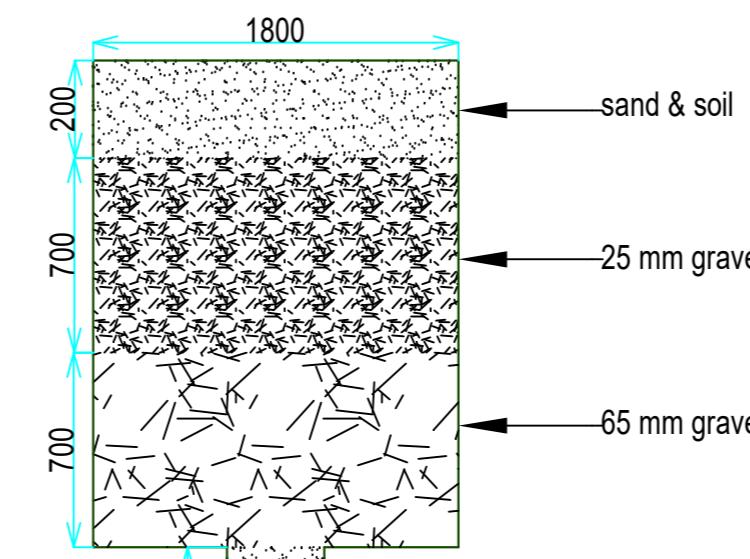
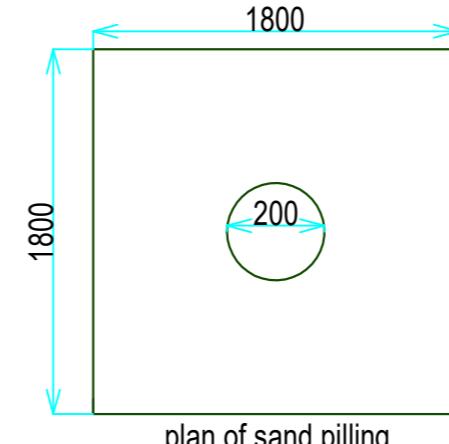
DRN.BY:ASHISH SHARMA

CHKD.BY:DINKAR SAXENA

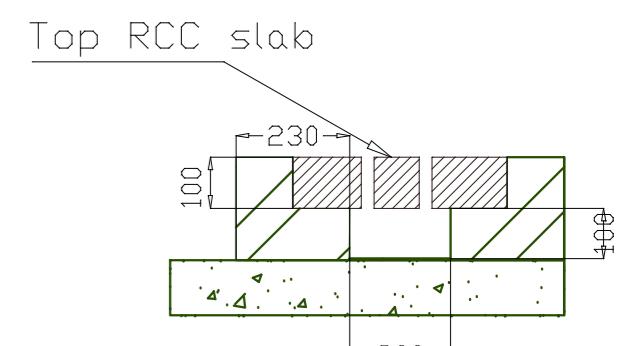
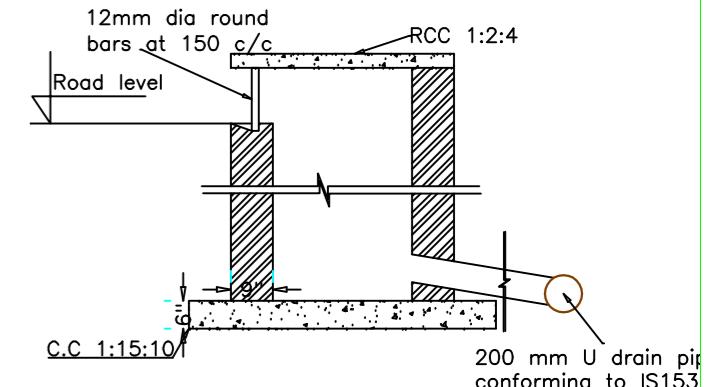
0 29-03-14

NO. DATED

DESCRIPTION



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
RWH-1&2 Main Line					
SG-1 200X200					
SG-2	321X250	50	0	-200	130
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



typical Starting drain section

Note:
RCC slab 1:2:4 (thickness as per the design) to be casted in situ in 70 % length. A removable slab portion 30% length shall be provided, the distance between two such removal slabs should not be more than 20 ref required for proper cleaning of drain.

provisions for vertical RCC pre cast grating shell also be provided to take the rainwater into rain at a suitable distance / level.

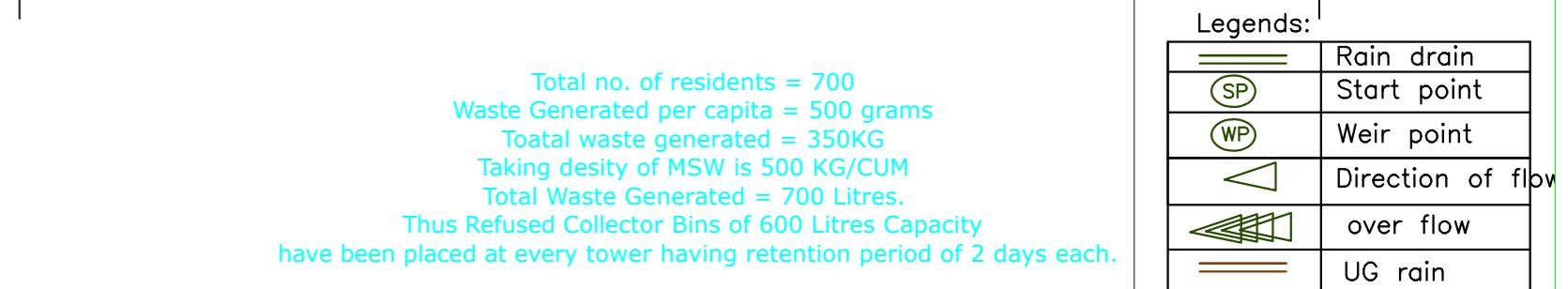
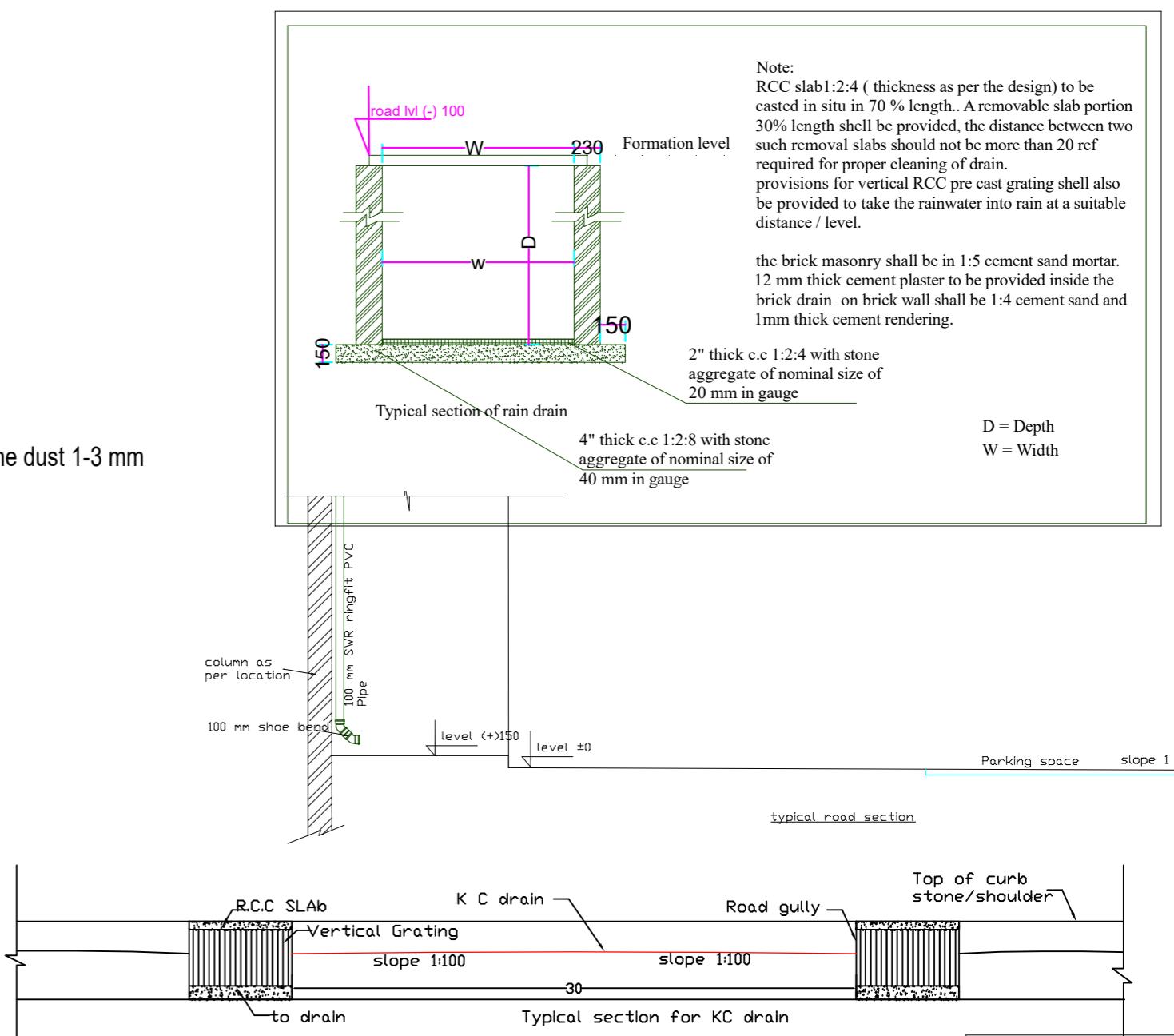
the brick masonry shall be in 1:5 cement sand mortar.

12 mm thick cement plaster to be provided inside the brick drain on brick wall shall be 1:4 cement sand and 1 mm thick cement rendering.

2" thick c.c 1:2:4 with stone aggregate of nominal size of 20 mm in gauge

4" thick c.c 1:2:8 with stone aggregate of nominal size of 40 mm in gauge

D = Depth
W = Width



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

This drawing and/or its contents, information, and principles of design are the exclusive property of Dass Rasayanic Services, Agra and is submitted to you with the agreement that it is not to be reproduced in any manner, copied, or modified, nor is it to be relayed in part or in whole to any other firm or individual for any other project except by written agreement with DASS RASAYANIC SERVICES

SERVICE CONSULTANTS:
DASS RASAYANIC SERVICES
441 SECTOR 16, SIKANDRA AVAS YOINA 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. : 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
DINKAR SAXENA
M.Sc., M.I.E., C.Eng., F.I.P.H.E.
CHARTERED ENGINEER
M- 128465-1