

RAIN WATER HARVESTING DETAILS

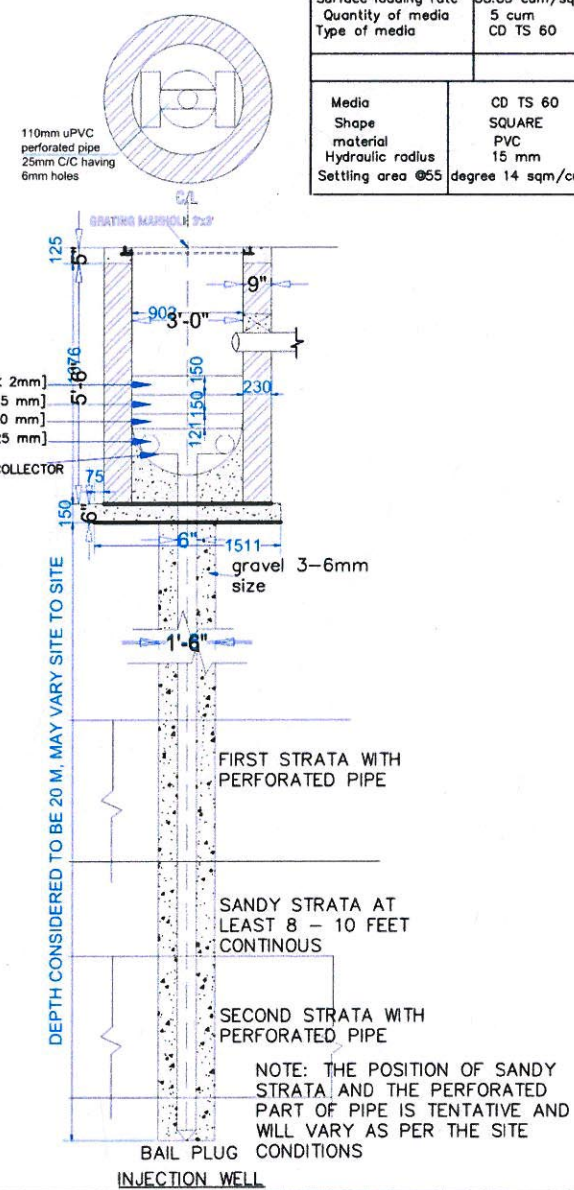
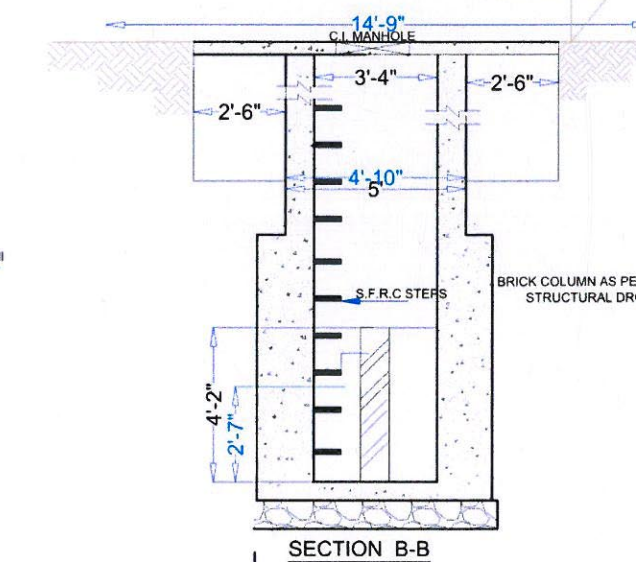
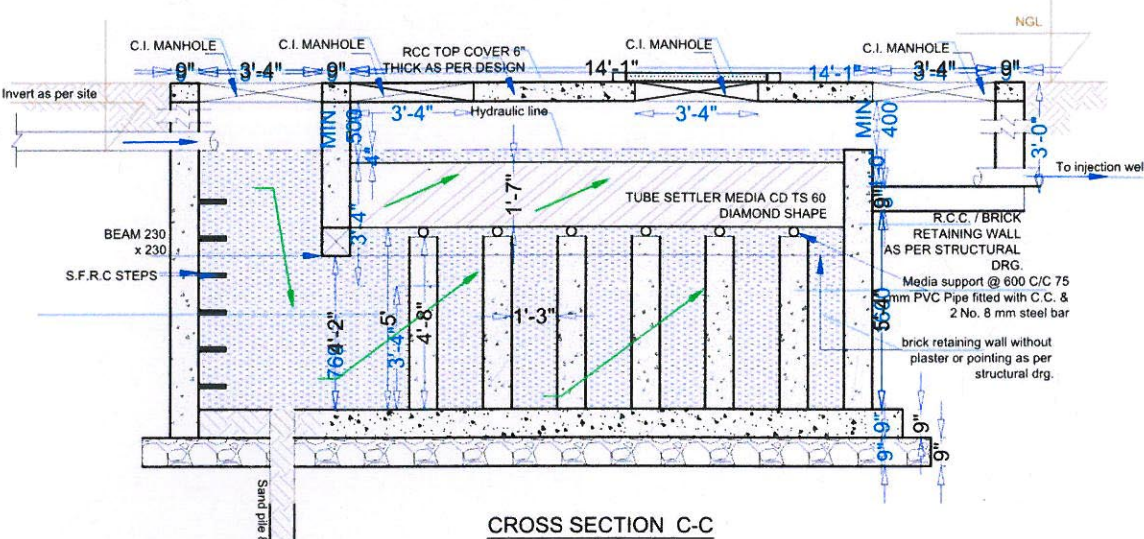
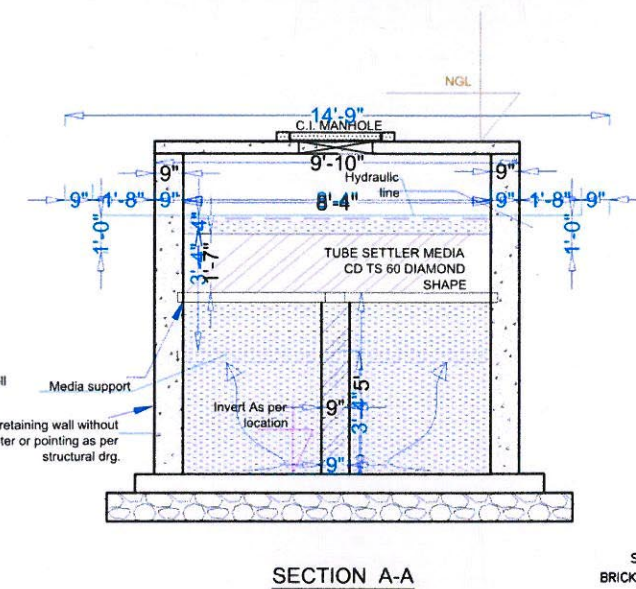
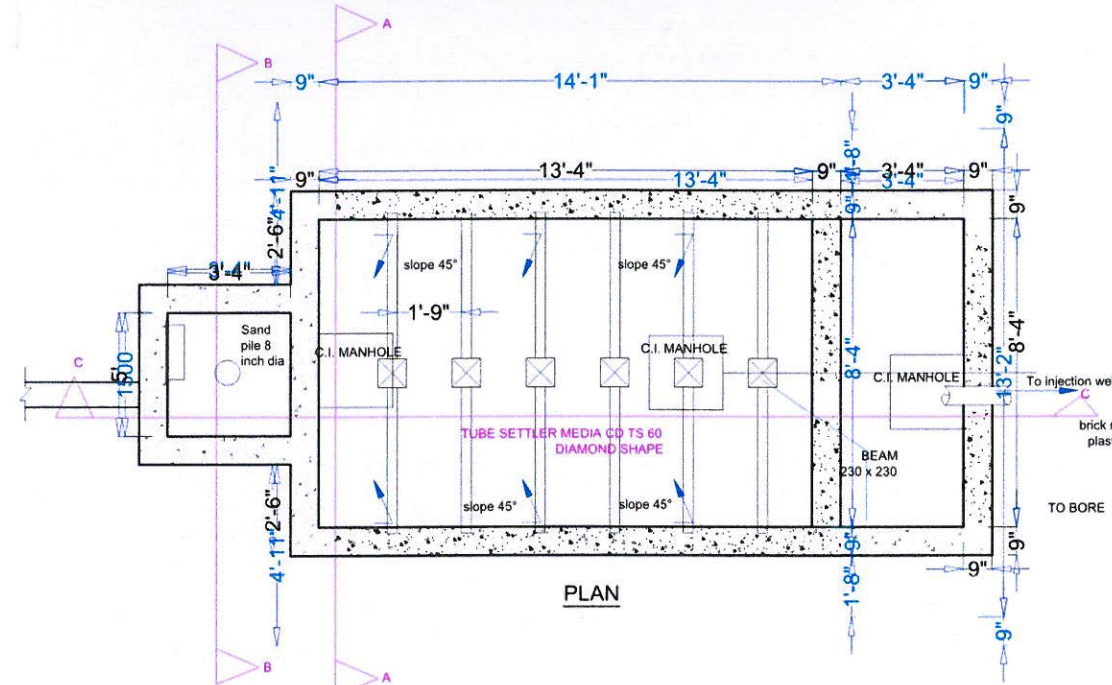
SHEET
NO. 11

Rain water harvesting
capacity 100 Cu m / Hr.

Rain water harvesting
capacity 100 Cu m / Hr.

मेसर्स Tulsi Infrastructure Pvt. Ltd.
कान्सोर्सियम/कम्पनी द्वारा 'समाजवादी
आवास योजना' के अन्तर्गत प्रस्तुत
परियोजना के सी.पी.ओ. नं० 13
के उपरोक्त शीट नं० द्वारा दिनांक 11.3.16
को वैधान्तिक स्वीकृत प्रदान की गयी है।

DESIGN PARAMETERS	
Total flow rate	100 cum/hr
Velocity of water in pipe	2 m/sec
Factor of Safety	0.8
Tube height	0.5 m
Sedimentation area	375 sq m
Plan area of media	10 sq m
Surface loading rate	55.85 cum/sqm/hr
Quantity of media	5 cum
Type of media	CD TS 60
Media	CD TS 60
Shape	SQUARE
material	PVC
Hydraulic radius	15 mm
Settling area @55 degree	14 sqm/cum



- NOTE:
- All dimensions are in S.I. Units.
 - drawing is not be scaled only written dimensions are to be followed.
 - In case of conflict with other Services or designs, contractor should bring it in notice of Dass Rasayanic Services, before execution on site.
 - only specified material is to be used at site.
 - Injection well are to be developed by compressed air @ 5 Kg/ Sq Cm.at a volume of 100 Cu M / Hr. till clear cavity is formed.



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SHEET DETAILS:
Sheet No: 1
Sheet Size: A3
Version: V1

Engineers' Details:
Drawn By:- Ankit Sachdeva
Design Engineer-PHE
Checked By:- Dinkar Saxena

Current Version Notes:-
Changes done with as per new layout
Rain Water Harvesting should be as per design

Technical Notes:-
Version No. & Date:-
Ver. 1 2/02/2016
Version Notes:
Rain Water Harvesting as per Architect

NORTH:

Drawing Title:
RWH 100 KLH

Project Name:
Tulsi Budget Villa, Agra

Signature(Issued By):

Er. Daya Shanker Sharma
Chartered Engineer, Chartered Structure Engineer/
D.C.E (Hons), BE (Hons), MBA(Finance), M.Tech (Structure), FIV, MIE, MICE, MISE,
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PURPOSE OF DRAWING:
Tender Approval G.F.C.
Signature (Drawn By):

Drawing Number:-
DRS/D182/RWH/15
Date:-
29th SEPTEMBER 2015
Client's Name:
MODCON PVT. LTD.

Version Details:-
Version No:-
Date Of Version:-
Description:-

Previous Version No. & Date:-

Version No. & Date:-
Ver. 1 2/02/2016
Version Notes:
Rain Water Harvesting as per Architect

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.

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