

The Afghanistan Engineering Support Program assembled this deliverable. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.

<b>Site Visit Report</b>	Project: <b>Family Park</b>
Location: <b>Pul-e-Khumri</b>	Coordinates: Latitude: N 35~ 55' 48"      Longitude: E 68~ 43' 2"
Inspection Date: <b>07/11/2013</b>	Weather: <b>Sunny, Temp @ 18°C, No Precipitation</b>
Inspectors: [REDACTED]	Status: <b>Incomplete</b>

**PRESENTED TO**

**United States Agency for International Development (USAID)  
Office of Economic Growth and Infrastructure (OEGI)  
RampUP North**  
Great Massoud Road  
Kabul, Afghanistan

**PRESENTED BY**

**Tetra Tech, Inc.  
Afghanistan Engineering Support Program  
Contract No. EDH-I-00-08-00027-00  
Task Order No. 1  
Work Order WO-LT-0009 AMD #5**  
Shash Darak  
Kabul, Afghanistan

Approved by:



Date: **03/29/14**

Title: **Deputy Chief of Party**

**EXECUTIVE SUMMARY**

The Family Park project is located in Pul-e-Kumri, Baghlan Province. It includes the construction of new mini football ground, audience benches, gazeboes, installation of playing equipment for children in playground area, latrines, pergola, mosaic paved sidewalks, drilling of a new water well, supply and installation of overhead water tank, fabrication of a metallic ticket and maintenance office, and greenery of the park.

On November 07, 2013, two (2) engineers from Tetra Tech's (Tt) Afghanistan Engineering Support Program (AESP) reviewed the provided project documentation for the family park (Phase II) project and traveled to Pul-e-Khumri Province to evaluate the visible completed works. It has determined that USAID's portion of the construction work for the Family Park (phase II) project is recently started. The contractor's remaining work consists of construction of new latrines, pergola, mosaic paved sidewalks, mini football ground, audience benches, gazeboes, installation of playing equipment for children in playground area. It has also determined Pul-e-Khumri Municipality's portion of the construction work for the Family Park is not started yet. The municipality's remaining work consists of drilling of new water well, supply and installation of overhead water tank, fabrication of a metallic ticket and maintenance office, and greenery of the park.

**DISCLAIMER**

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.

## 1.0 INTRODUCTION

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The Family Park project is located in Pul-e-Kumri, Baghlan Province. It includes the construction of new latrines, pergola, mosaic paved sidewalks, mini football ground, audience benches, gazeboes, installation of playing equipment for children in playground area, drilling of a new water well, fabrication of a metallic ticket and maintenance office, and greenery of the park. Boundary wall, main entrance gate, concrete sidewalks, and solar powered lighting for the park area were included in the first phase of the park construction and are already completed.

The USAID's contribution in this project includes the construction of a mini football ground, audience benches, gazeboes, installation of playing equipment for children in playground area, new latrines, pergola, mosaic and paved sidewalks. The Pul-e-Khumri Municipality's contribution in this project includes the fabrication of a metallic ticket and maintenance office, drilling of new water well, supply and installation of overhead water tank and greenery work for the park.

## 2.0 SITE VISIT

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Two (2) engineers from Tetra Tech's (Tt) Afghanistan Engineering Support Program (AESP) reviewed the provided project documents (included drawings in Appendix A and Bill of Quantity (BoQ) in Appendix B) for the family park (Phase II) project and traveled to Pul-e-Khumri on November 07, 2013 to evaluate the visible completed works. The Tt engineers were accompanied by DAI, the company responsible for overseeing the project, during the site evaluation. Findings of this site observation are documented in this report, including photos provided in the figures section on pages 3 to 4.

## 3.0 SITE VISIT DETAILS: USAID RESPONSIBILITY

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Regarding the USAID funded portion of works, the following was observed:

1. The excavation work for the foundation of latrine building is complete and the construction materials (Stone and Sand) for the construction of latrine building are stockpiled at the site. (See Figures 1, 2 and 3)

Based on the above summary, Tt has determined USAID's portion of the construction work for the Family Park (phase II) project is just started. The contractor's remaining work consists of construction of new latrines, pergola, mosaic paved sidewalks, mini football ground, audience benches, gazeboes, installation of playing equipment for children in playground area per the plans.

## 4.0 SITE VISIT DETAILS: PUL-E-KHUMRI MUNICIPALITY RESPONSIBILITY

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Regarding the Pul-e-Khumri Municipality's funded portion of works, the following was observed:

The municipality's portions of the construction work have not been started yet.

Based on the above summary, Tt has determined Pul-e-Khumri Municipality's portion of the construction work for the family park has not started yet. The municipality's remaining work consists of drilling of a new water well, fabrication of a metallic ticket and maintenance office, and greenery of the park.

**FIGURES**



**Figure 1.** View of latrine building foundation



**Figure 2.** View of sand and coarse aggregate stockpile

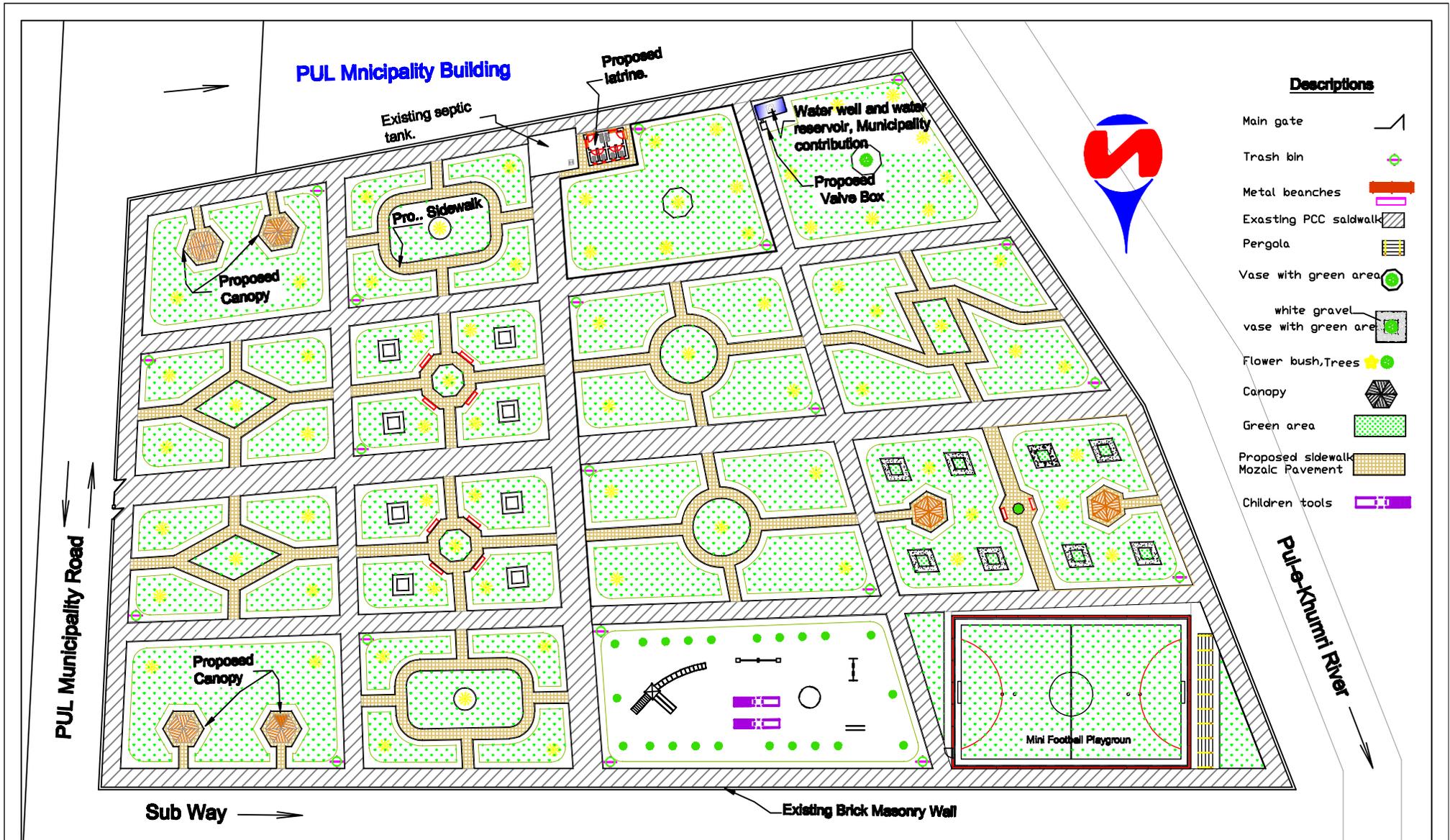
**FIGURES (CONTINUED)**



**Figure 3.** View of stockpiled stones for latrines building foundation

## APPENDIX A – PUL 005 DRAWING OF FAMILLY PARK PROJECT PHASE-2

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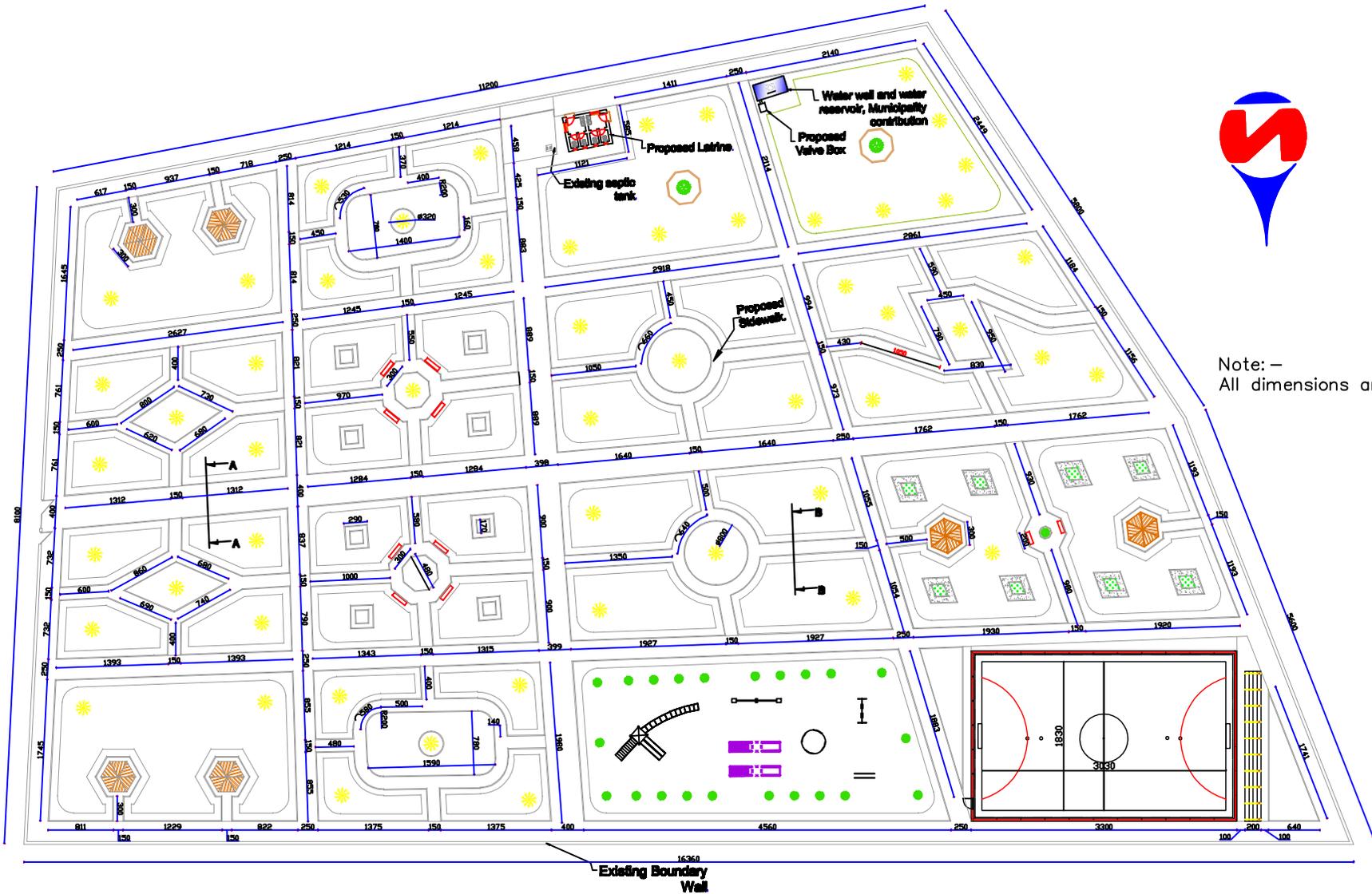


**Descriptions**

- Main gate 
- Trash bin 
- Metal benches 
- Existing PCC sidewalk 
- Pergola 
- Vase with green area 
- white gravel vase with green area 
- Flower bush, Trees 
- Canopy 
- Green area 
- Proposed sidewalk 
- Mozalc Pavement 
- Children tools 

**Existing Park**

Drawing Title: Falmly Park Phase-2 General Plan	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Design by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Conceptual Approved by:	Mayor of PUL		
Drawing Number: 01/17	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	
	Date: Agu 2013		

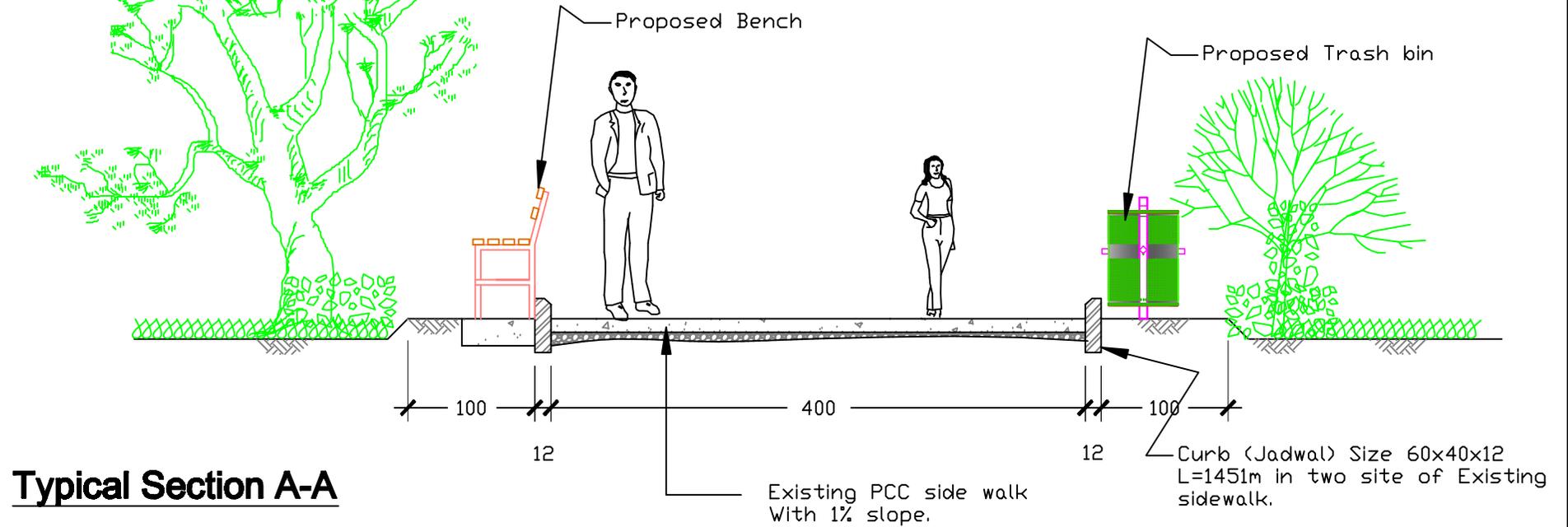
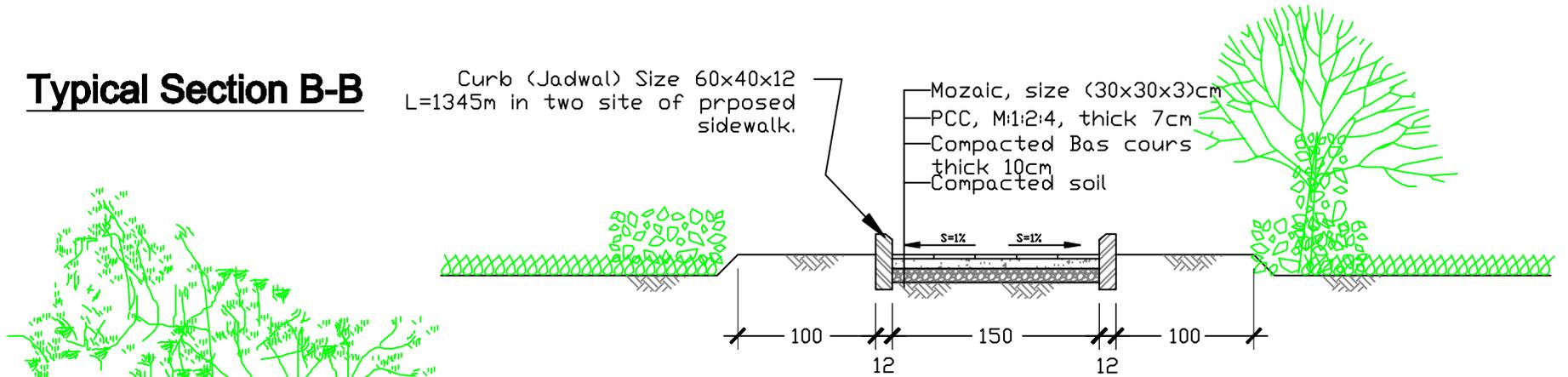


Note:-  
All dimensions are CM.

Drawing Title: Family Park Phase-2 Dimension Plan	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Design by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
	Conceptual Approved by:	Head of PUL SDAG	
Drawing Number: 02/17	Conceptual Approved by:	Mayor of PUL	
	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	
			Date: Agu 2013

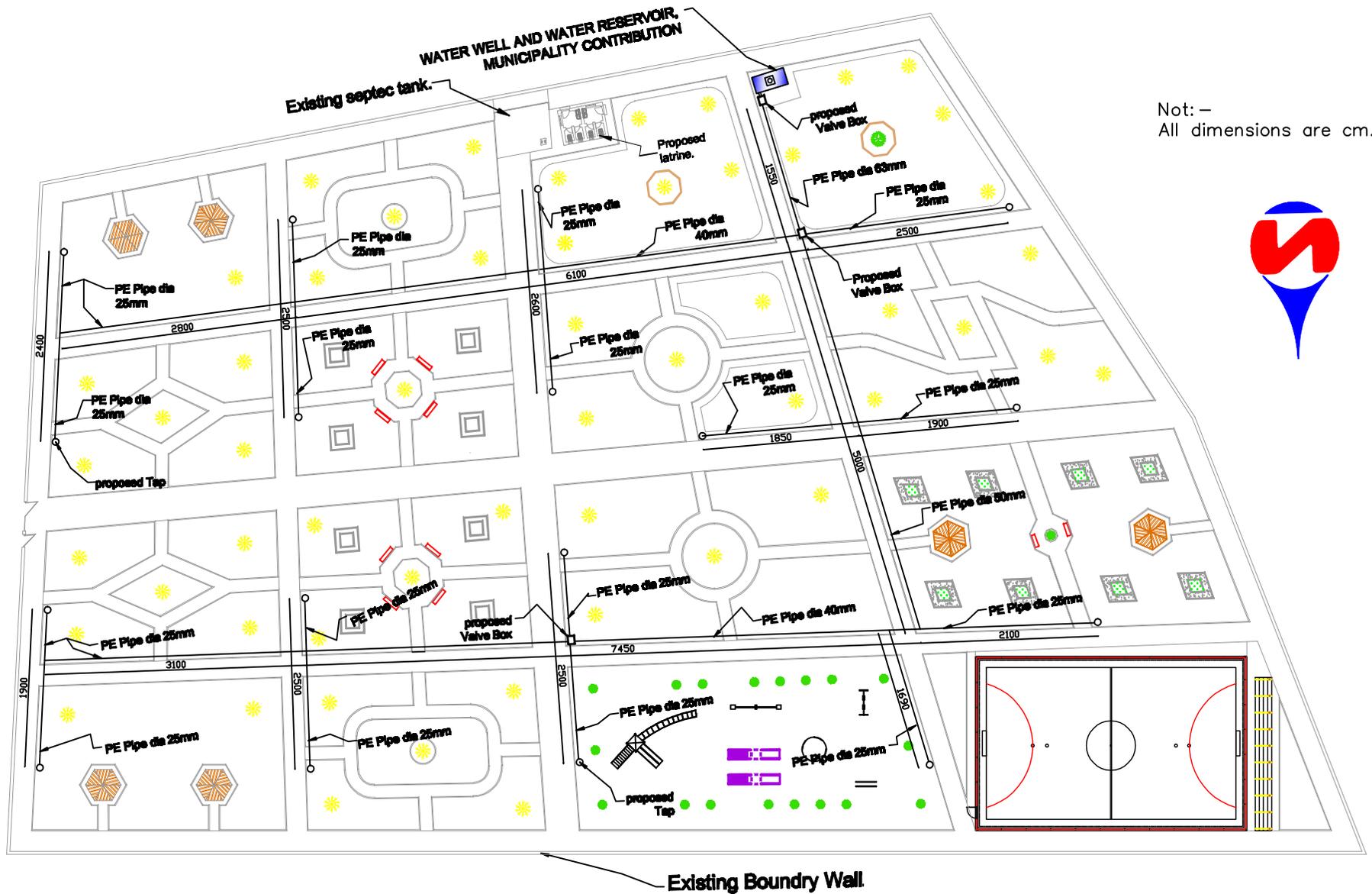
## Typical Section B-B

Curb (Jadwal) Size 60x40x12  
L=1345m in two side of prposed sidewalk.



## Typical Section A-A

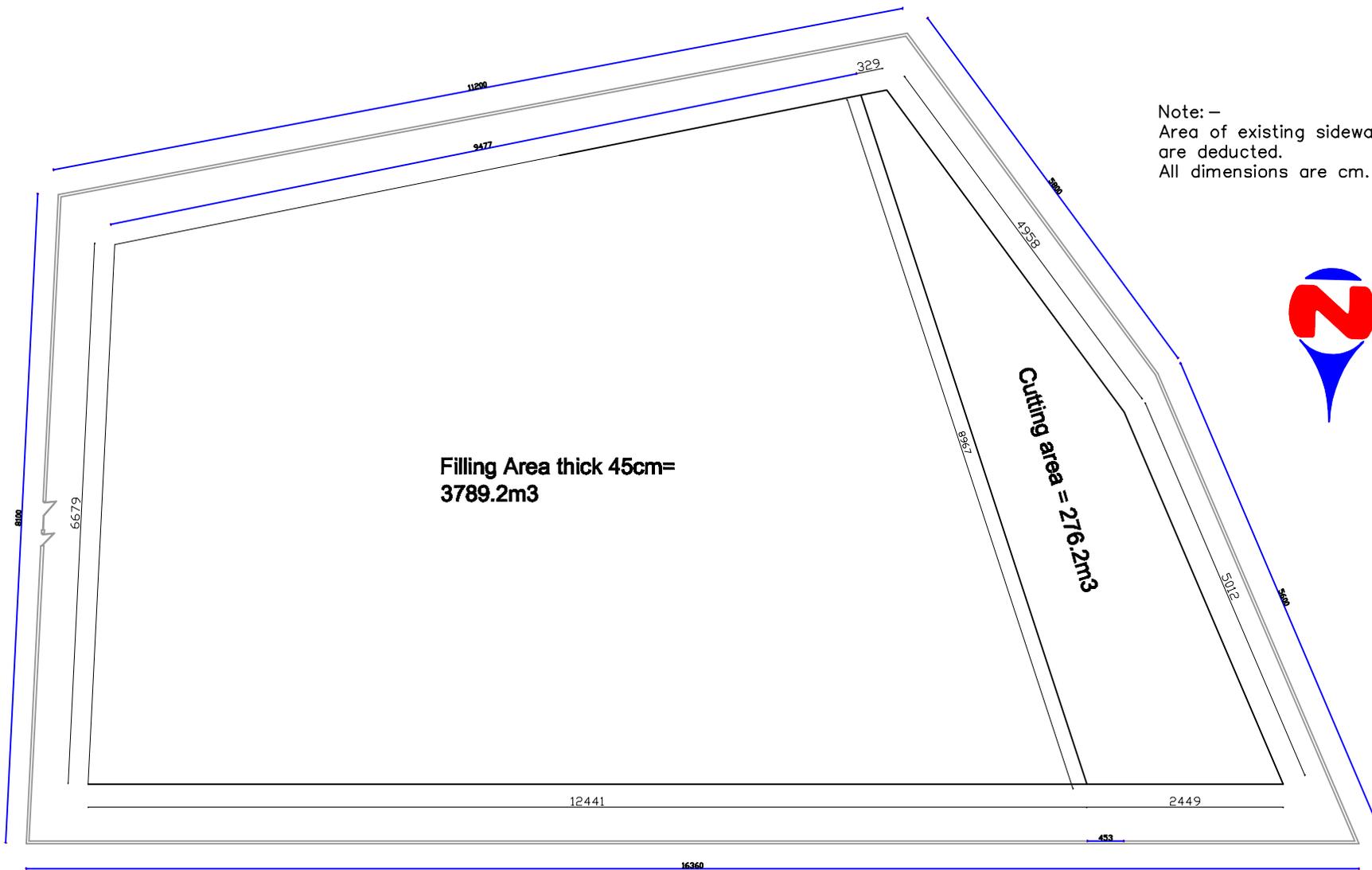
Drawing Title: Falmily Park Phase-2 Sidewalk Typical Section		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
Design by:			Engineering Advisor RAMP-UP N	
Estimated by:			Engineering Advisor RAMP-UP N	
Conceptual Approved by:			Head of PUL SDAG	
Conceptual Approved by:			Mayor of PUL	
Drawing Number: 03/17			Engineering Director RAMP-UP N	Date: Agu 2013
			Project Manager RAMP-UP N	



Not: -  
All dimensions are cm.



Drawing Title: Falmly Park Phase-2 Pipe schema Plan	Name		Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Design by:	[REDACTED]	Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
	Conceptual Approved by:		Head of PUL SDAG	
Drawing Number: 04/17	Conceptual Approved by:		Mayor of PUL	
	Technical Checked by:	Engineering Director RAMP-UP N		
	Approved by:	Project Manager RAMP-UP N		Date: Agu 2013



Note:-  
 Area of existing sidewalks  
 are deducted.  
 All dimensions are cm.

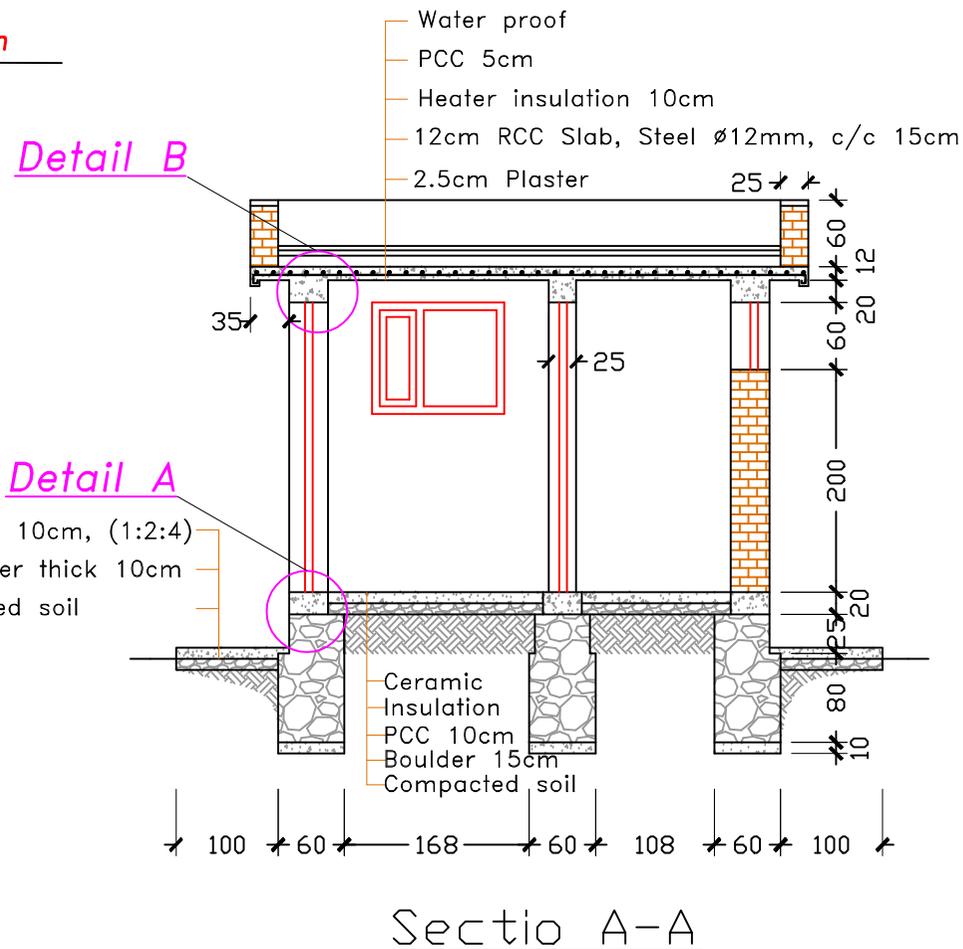
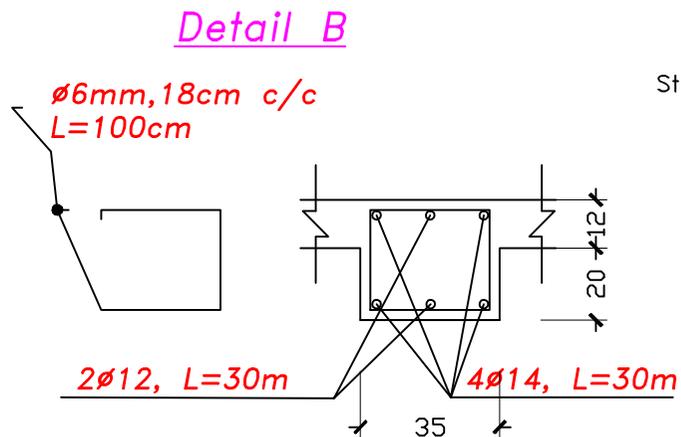
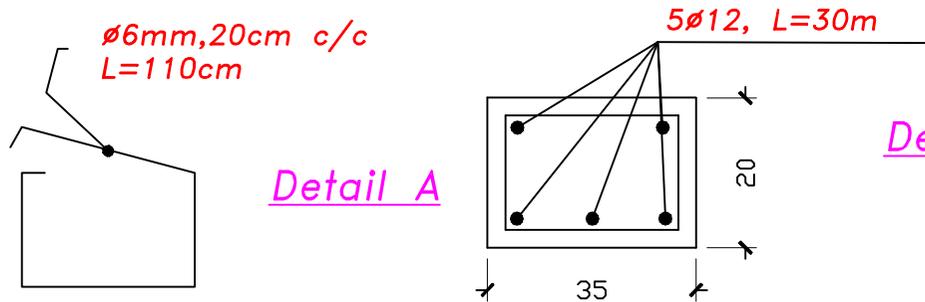


Filling Area thick 45cm=  
 3789.2m3

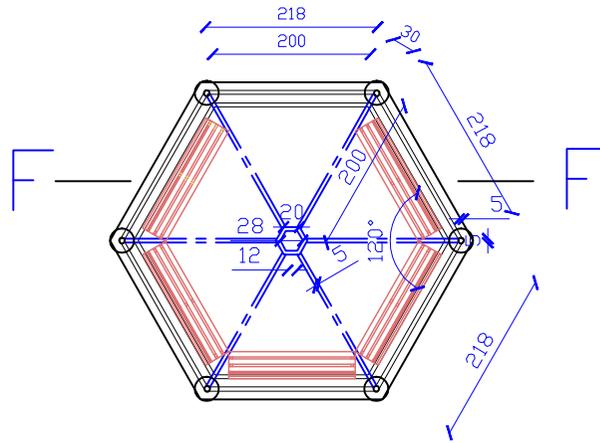
Cutting area = 276.2m3

Drawing Title: Falmily Park Phase-2 Cutting and Filling Area		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Design by:	[REDACTED]	Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG			
Conceptual Approved by:	Mayor of PUL			
Technical Checked by:	Engineering Director RAMP-UP N			
Drawing Number:	05/17	Approved by:	Project Manager RAMP-UP N	Date: Agu 2013

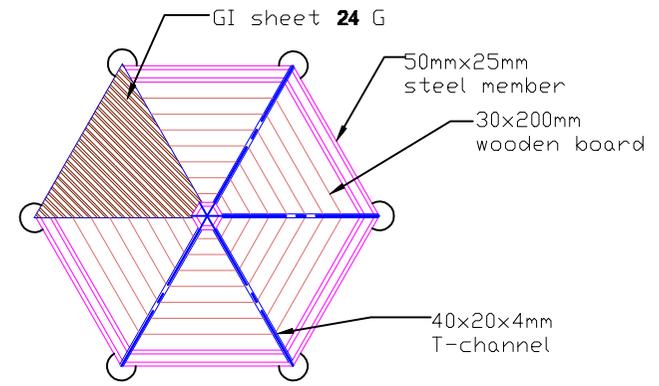




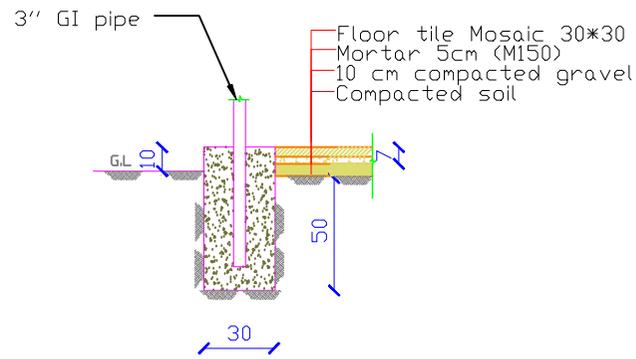
Drawing Title: Falmly Park Phase-2 Section and ring beam detail	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Disegn by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Drawing Number: 07/17	Conceptual Approved by:	Mayor of PUL	
	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	Date: Agu 2013



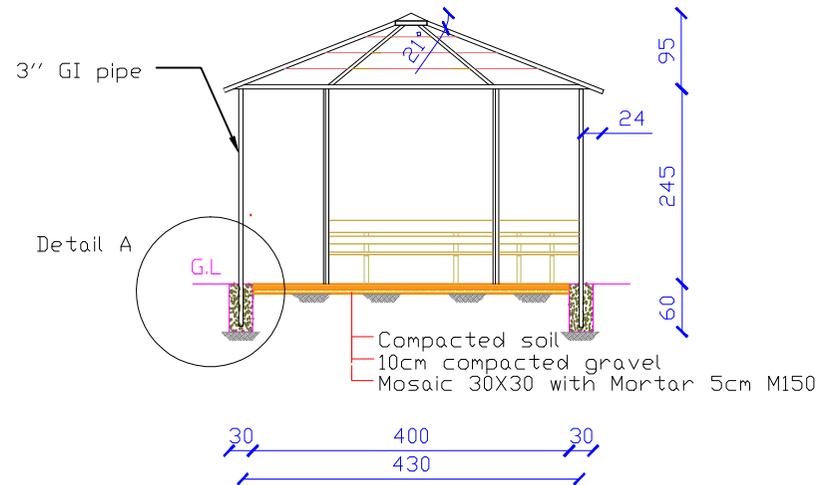
GAZEBO PLAN



GAZEBO 2 PLAN



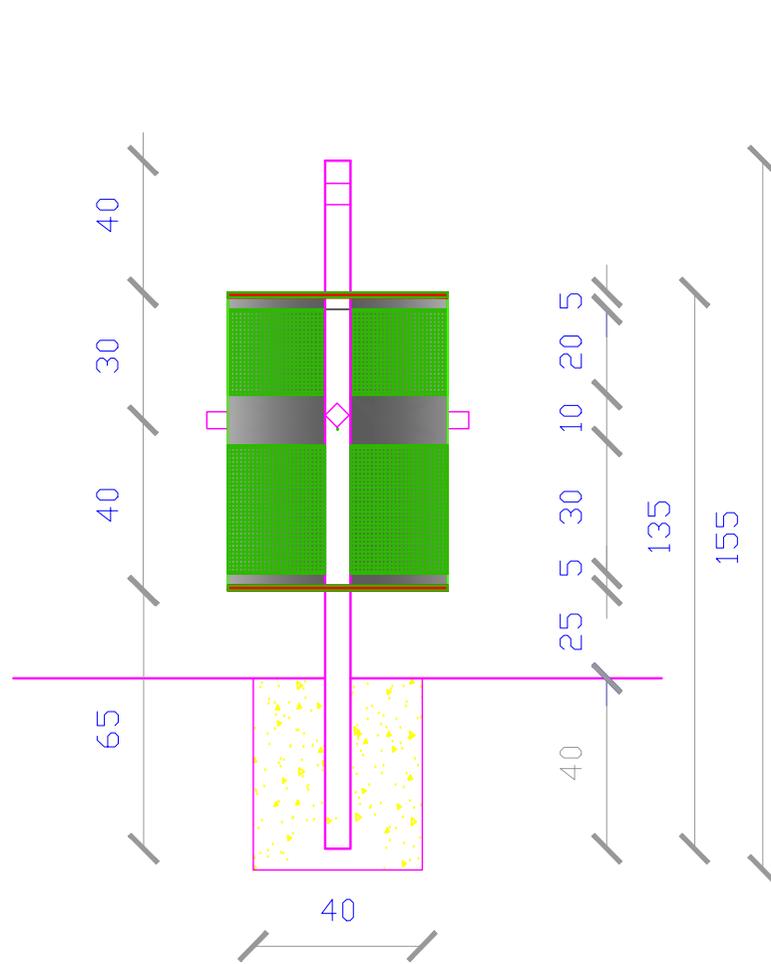
Detail A



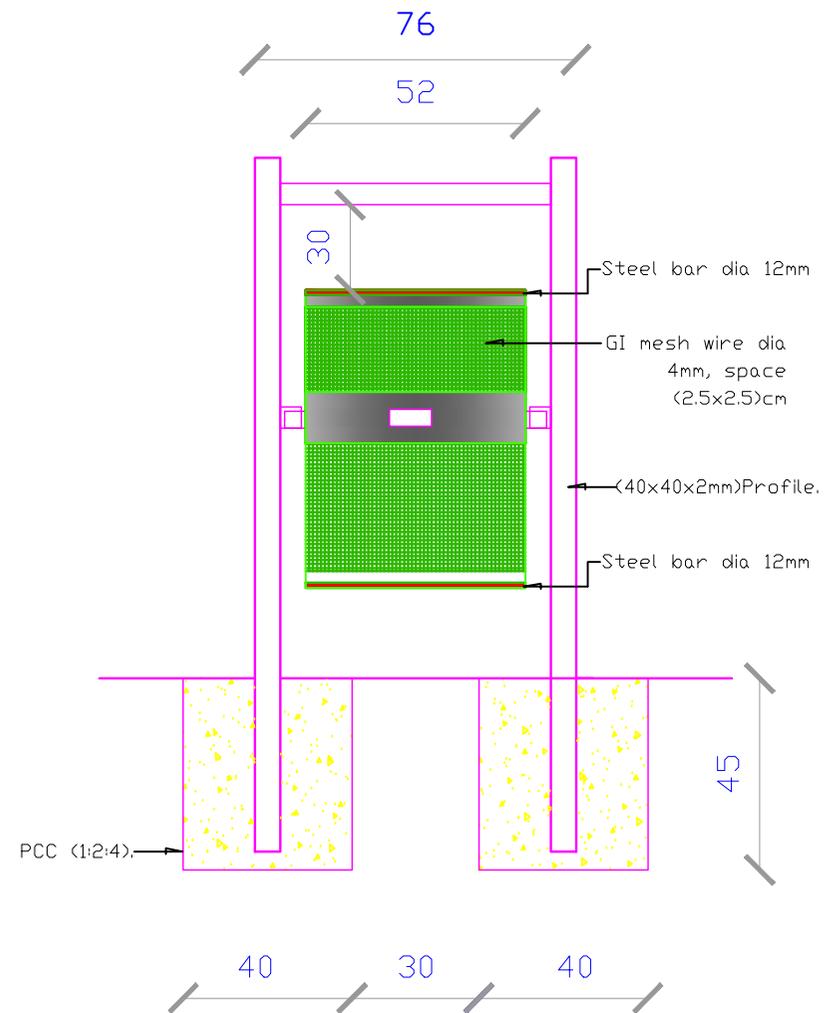
Section F-F

Drawing Title: Falmily Park Gazebo Plan, Section and Detail	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Disegn by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Drawing Number: 08/17	Conceptual Approved by:	Mayor of PUL	
	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	Date: Agu 2013



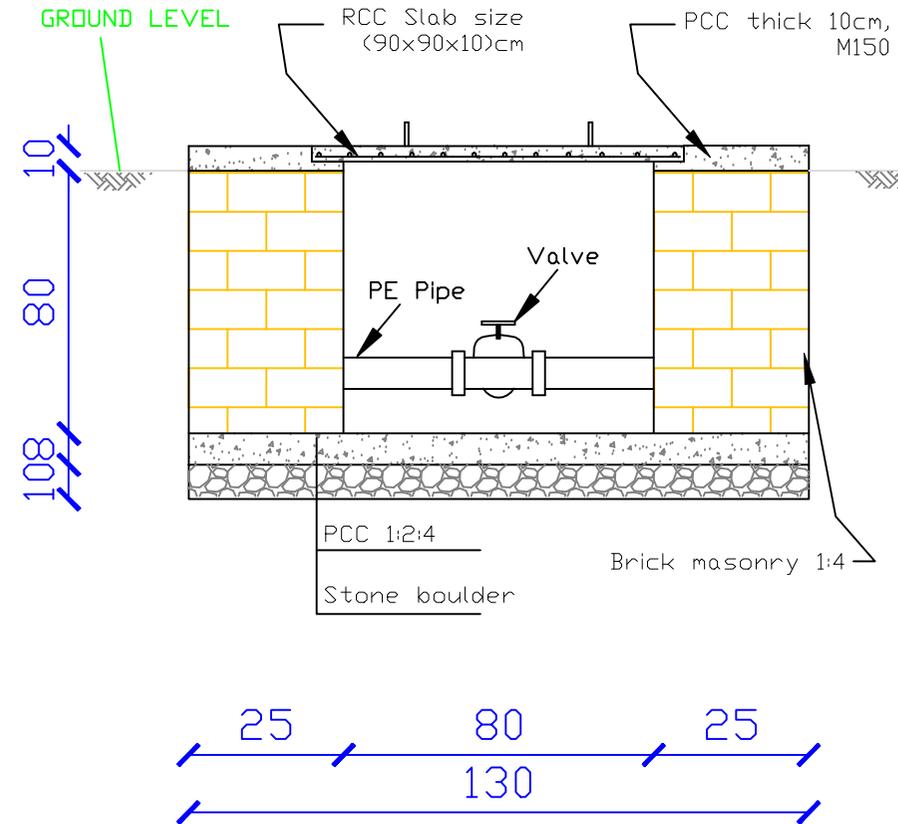
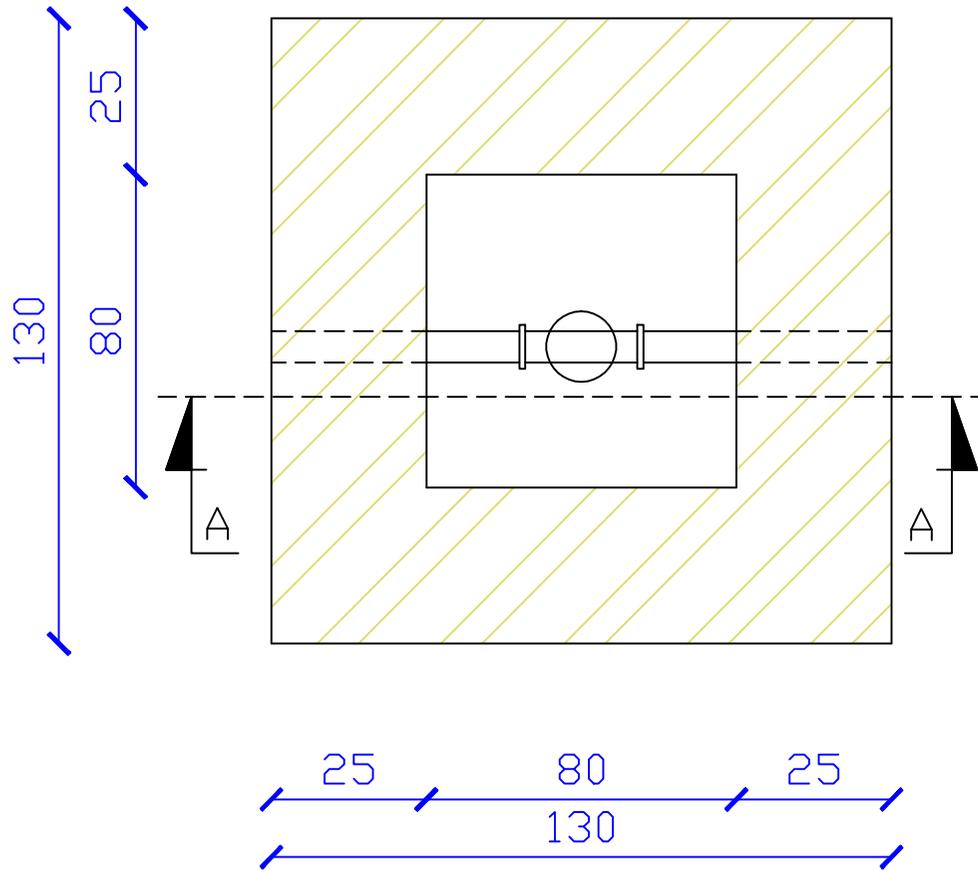


Side view



Front view

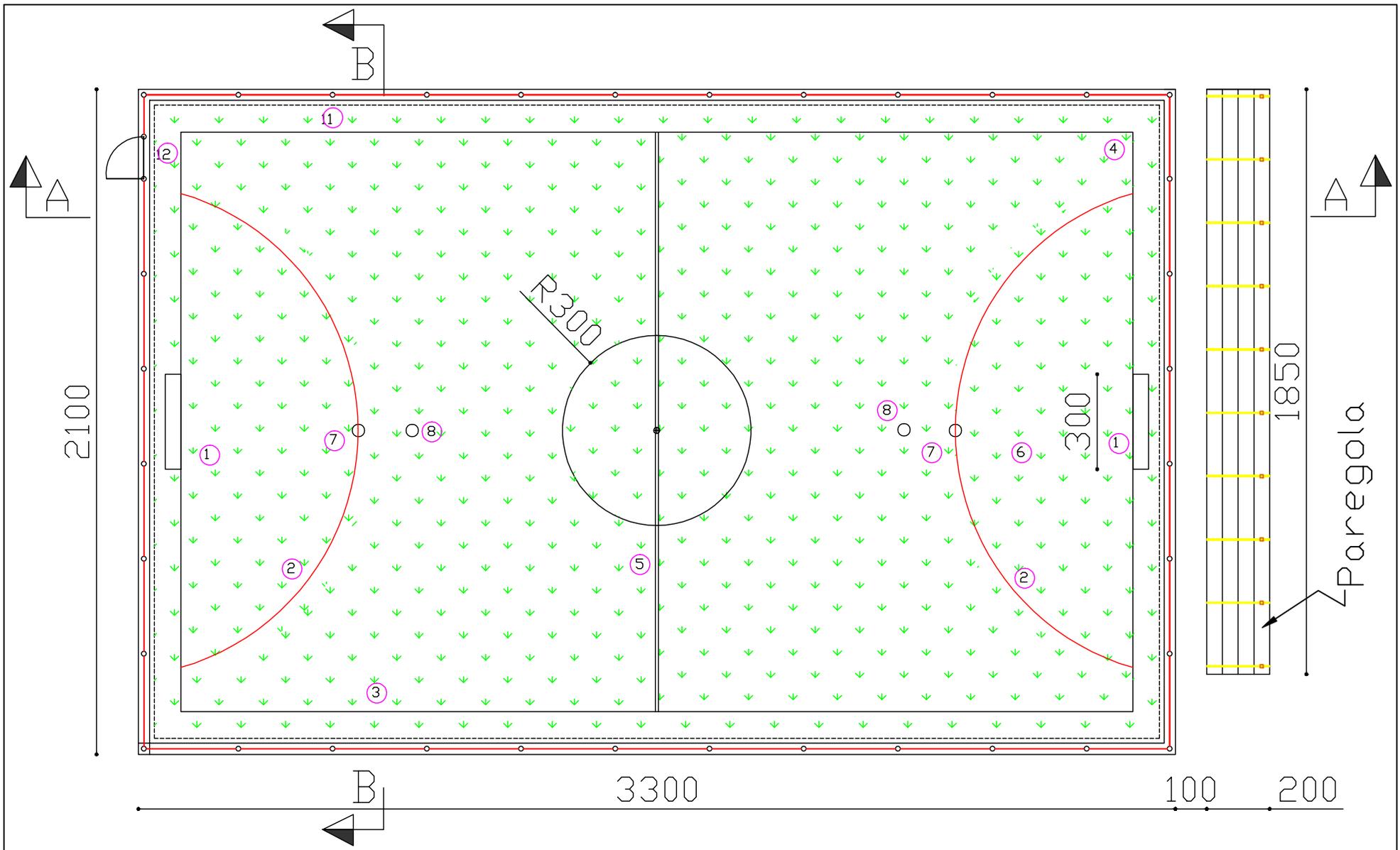
Drawing Title: Family Park Phase-2 Trash bin Plan and Section	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2  Date: Aug 2013
	Design by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Drawing Number: 10/17	Conceptual Approved by:	Mayor of PUL	
	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	



Valve Box Plan

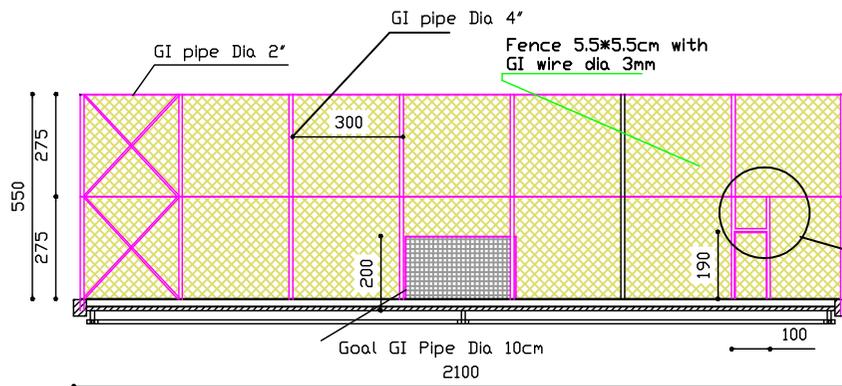
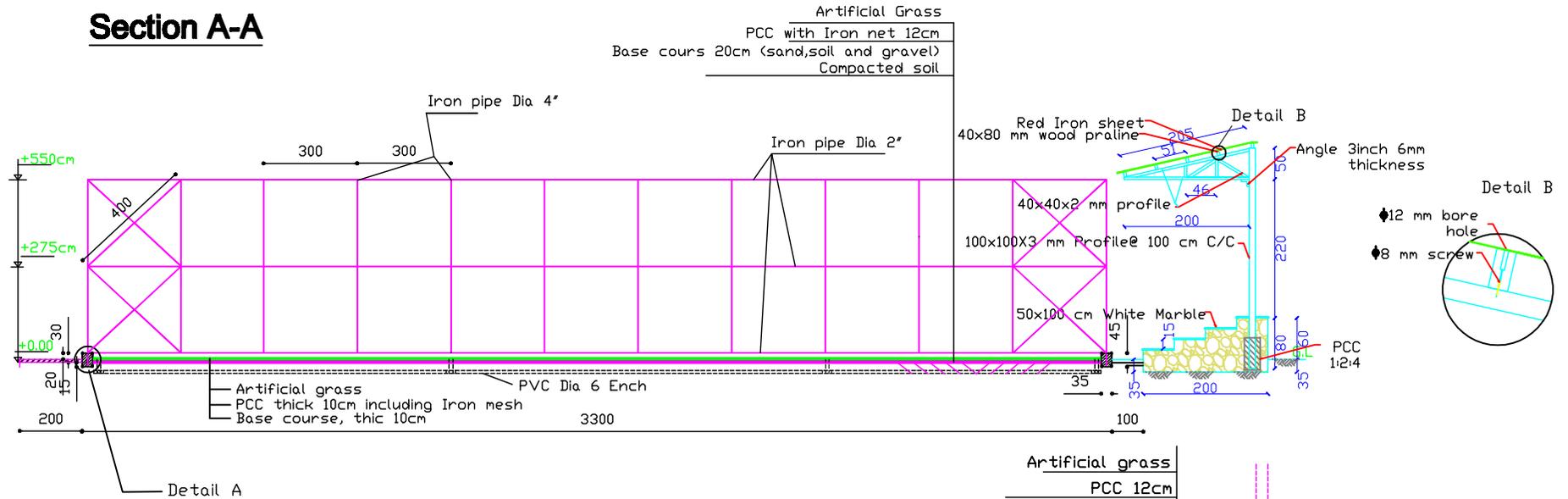
Section A-A

Drawing Title: Family Park Phase-2 Valve Box Plan and Section	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park phase-2
	Design by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Conceptual Approved by:	Mayor of PUL		
Drawing Number: 11/17	Technical Checked by:	Engineering Director RAMP-UP N	Date: Agu 2013
	Approved by:	Project Manager RAMP-UP N	

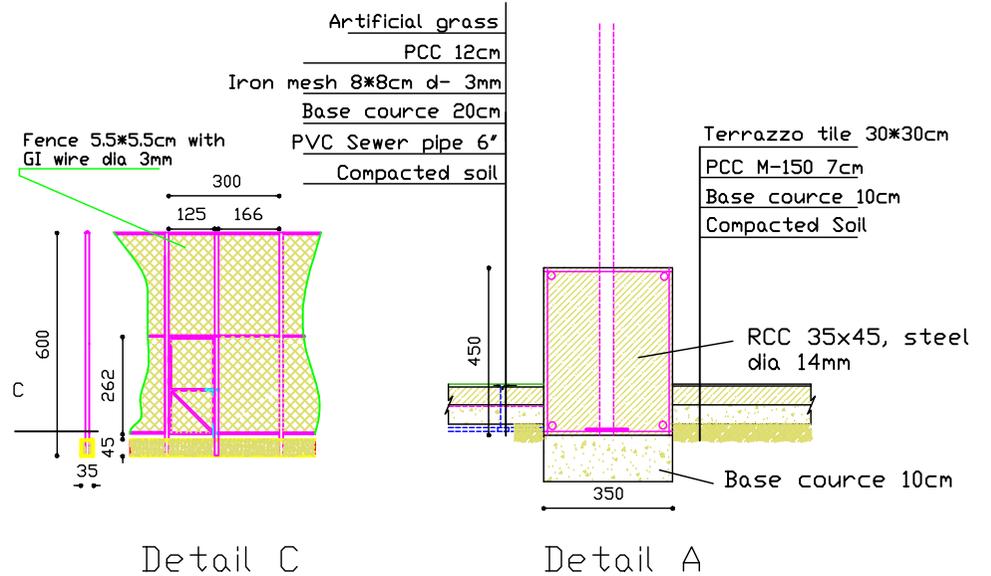


Drawing Title: Falmly Park Phase-2 Mini Football Playground and Pergola Plan		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park Phase-2
	Design by:	[REDACTED]	Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG			
Conceptual Approved by:	Mayor of PUL			
Technical Checked by:	Engineering Director RAMP-UP N			
Drawing Number: 12/17	Approved by:		Project Manager RAMP-UP N	Date: Agu 2013

## Section A-A



## Section B-B



Drawing Title: Family Park  
Phase-2 Mini Football  
Playground Fence Sections  
and Detail

Design by:  
Estimated by:  
Conceptual Approved by:  
Conceptual Approved by:  
Technical Checked by:  
Approved by:

Name

Position/Organization

Engineering Advisor RAMP-UP N

Engineering Advisor RAMP-UP N

Head of PUL SDAG

Mayor of PUL

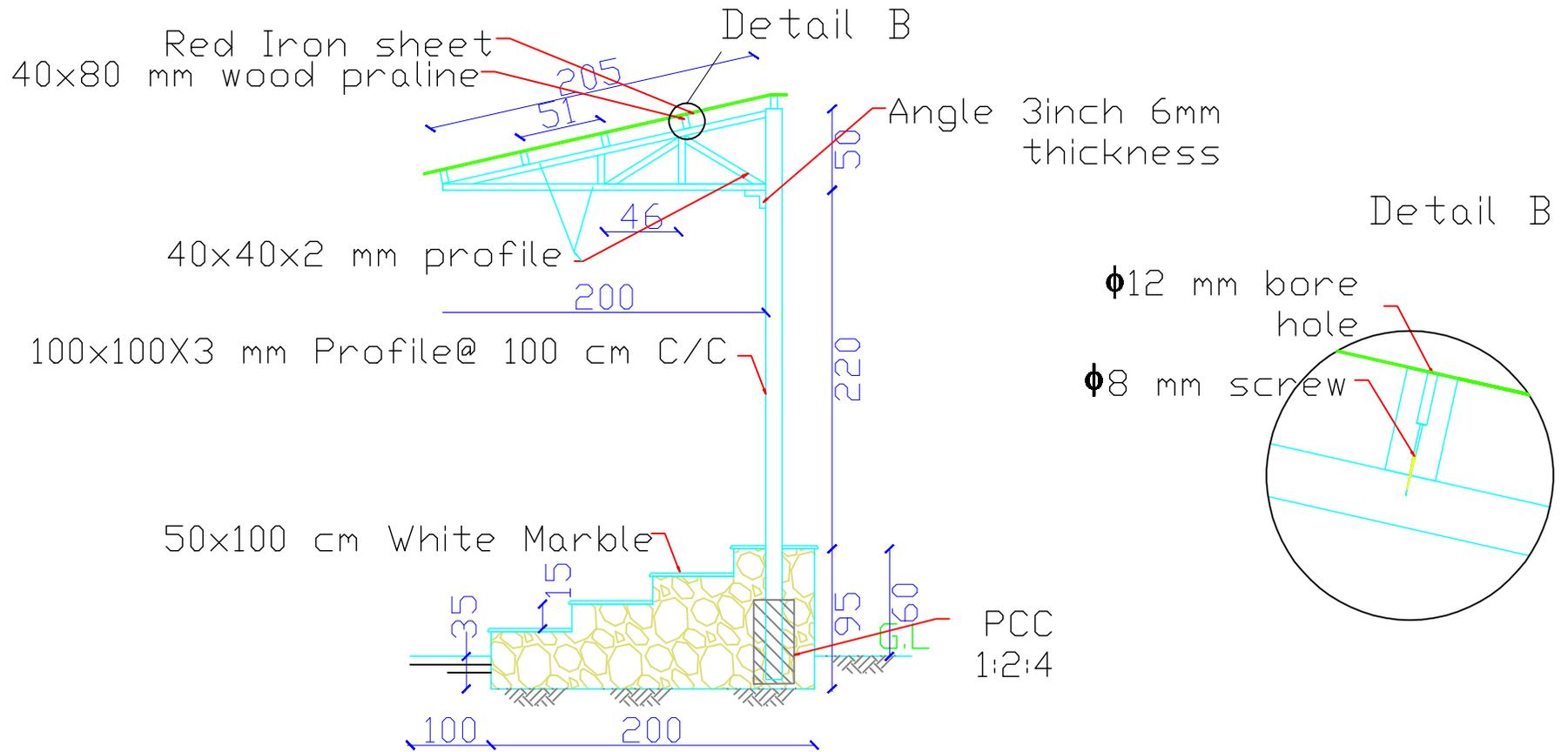
Engineering Director RAMP-UP N

Project Manager RAMP-UP N

Project Name: Pul-e-Khumri  
Family Park Phase-2

Drawing Number: 13/17

Date: Agu 2013



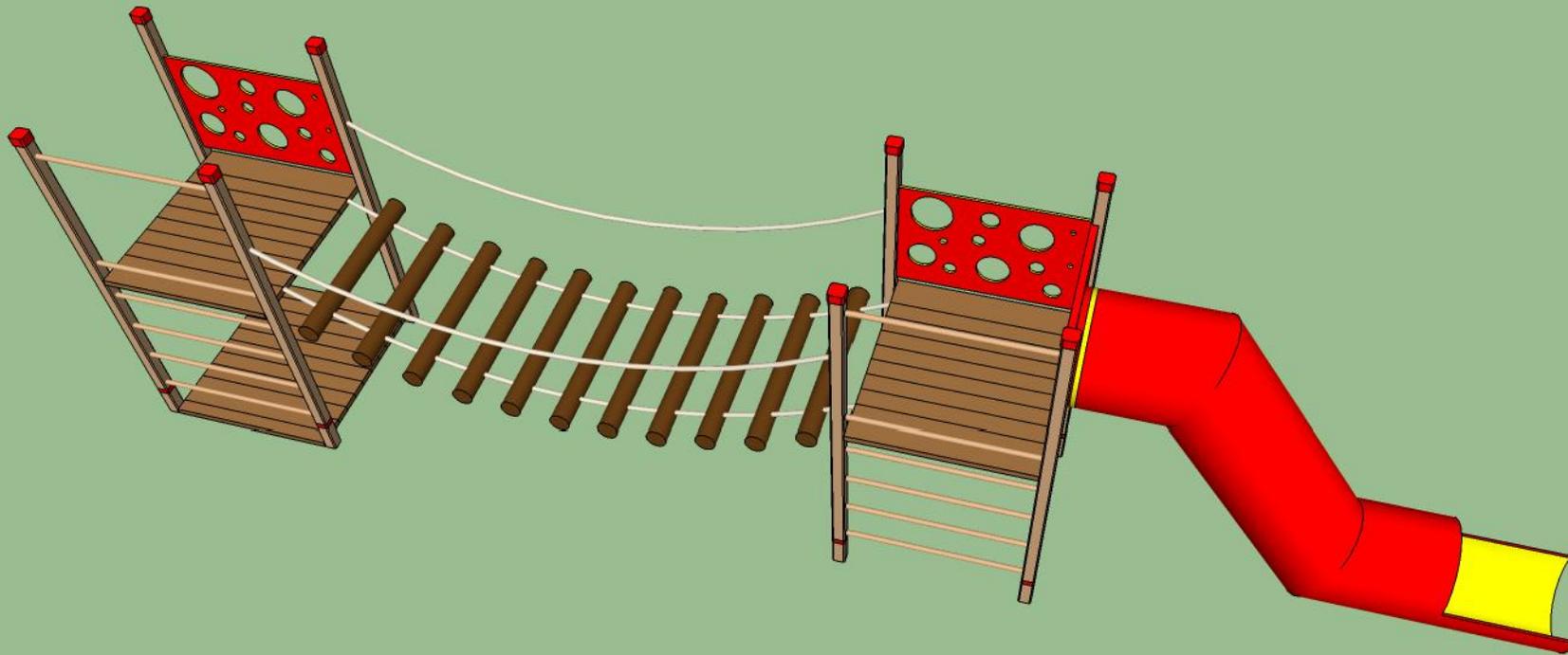
Paregola Section

Drawing Title: Family Park Phase-2 Paregola Section	Name	Position/Organization	Project Name: Pul-e-Khumri Family Park phase-2
	Design by:	Engineering Advisor RAMP-UP N	
	Estimated by:	Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG		
Conceptual Approved by:	Mayor of PUL		
Drawing Number: 14/17	Technical Checked by:	Engineering Director RAMP-UP N	Date: Agu 2013
	Approved by:	Project Manager RAMP-UP N	



Tolls for children:  
Modren Slide

Drawing Title: Family Park Phase-2 Modern Slide		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park phase-2
	Design by:		Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
Conceptual Approved by:		Head of PUL SDAG		
Drawing Number: 15/17	Conceptual Approved by:		Mayor of PUL	
	Technical Checked by:		Engineering Director RAMP-UP N	
	Approved by:		Project Manager RAMP-UP N	
			Date: Agu 2013	



Tolls for children:  
Modren Slide

Drawing Title: Family Park Phase-2 Modre slide		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park phase-2
	Design by:		Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG			
Conceptual Approved by:	Mayor of PUL			
Technical Checked by:	Engineering Director RAMP-UP N			
Drawing Number: 16/17	Approved by:		Project Manager RAMP-UP N	Date: Agu 2013



Tolls for children:  
Modren Slide

Drawing Title: Family Park Phase-2 Modren Slide		Name	Position/Organization	Project Name: Pul-e-Khumri Family Park phase-2
	Design by:		Engineering Advisor RAMP-UP N	
	Estimated by:		Engineering Advisor RAMP-UP N	
Conceptual Approved by:	Head of PUL SDAG			
Conceptual Approved by:	Mayor of PUL			
Drawing Number: 17/17	Technical Checked by:		Engineering Director RAMP-UP N	
	Approved by:	Project Manager RAMP-UP N	Date: Agu 2013	

## **APPENDIX B – PUL ROUND-5 BOQ FOR MUNICIPALITY CONTRBUTION**

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## Municipality contribution

Date:							
No.	Item	Quantity	Unit	Unit cost		Total cost	
				AFA		AFA	AFA
<b>1.0</b>	<b>Construction Water Well: Drilling/digging (12" dais and 60m deep) with approved class D pipe casing 8 inch, filters pips with all related activities including crush aggregate for backfilling of filter pips and compressor etc...all complete. Supply and installation of submersible 2" water pump(2Hz power) including electrical cable all complete.</b>						
1.01	Drilling/digging of 18" water well place compressor to wash the well including pump test for 12 hour including all required activities.	45.00	m	AFA	-	AFA	-
1.02	Lowering of 8" casing, filter pips class D kawser with all related activities including crush aggregate for backfilling of filter pips all complete.	45.00	m	AFA	-	AFA	-
1.03	Construction of PCC apron on the water well.	1.50	m3	AFA	-	AFA	-
1.04	Provision and installation of 2" water pump including electrical work all complete.	1.00	Unit	AFA	-	AFA	-
1.05	Supply and Installation of overhead water tank (8000 liter capacity with 6 meter height from the ground, with all other related activities.	0.00	LS	AFA	-	AFA	-
<b>2.0</b>	<b>Fabrication of a metallic ticket office and maintenance office</b>						
2.01	Fabrication of a metallic ticket office and maintenance office	1.00	LS	AFA	-	AFA	-
2.02							
<b>3.0</b>	<b>Greenery of the park</b>						
3.01	Greenery of the park	15384.00	m2	AFA	-	AFA	-
<b>Total Amount in AFA</b>							

