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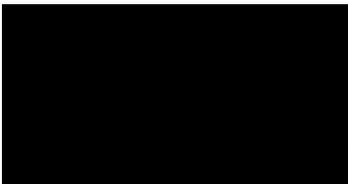
Site Visit Report	Project: Grain Market Improvement Project
Location: Maymana, Faryaab Province	Coordinates: Latitude: N 35°55'11.77" Longitude: E 64°46'47.36"
Inspection Date: December 3, 2013	Weather: Partly Cloudy, Temp @ 18°C, No Precipitation
Inspectors: 	Status: Complete

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
ShashDarak
Kabul, Afghanistan**



Date: **02/12/14**

Title: **Deputy Chief of Party**

EXECUTIVE SUMMARY

The Maymana Grain Market improvement project is located in the center of Maymana City, Faryaab Province. It includes construction of concrete pad of the market yard, construction of drainage system with installation of top iron grill and demolition of two old shops in the market. Construction of concrete pad in market yard is funded by USAID/RC-North. The demolition of two old shops and construction of the drainage system with installation of steel grates are funded by Maymana Municipality.

On December 3, 2013 a civil engineer from Tetra Tech (Tt) working under the Afghanistan Engineering Support Program (AESP) reviewed the project documents for the Grain Market Improvement Project and traveled to Maymana province to evaluate the visible completed works. The provided project documentation included plans (Appendix A), Bill of Quantity on (Appendix B). Tt determined that USAID's and Maymana Municipality's portion of the construction works for the Maymana Grain Market is complete.

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

The Maymana Grain Market improvement project is located in the center of Maymana city. It includes construction of concrete pad of the market yard, construction of drainage system with installation of top iron grill and demolition of two old shops in the market. Construction of concrete pad in market yard is funded by USAID/RC-North. The demolition of two old shops and construction of the drainage system with installation of top iron grill are funded by Maymana Municipality.

2.0 SITE VISIT

A Tt civil engineer from AESP reviewed the available project documents for the Grain Market Improvement Project and traveled to Maymana province on December 3, 2013 to evaluate the visible completed works. The provided project documentation included plans (Appendix A), Bill of Quantity on (Appendix B). Tt engineer was accompanied by DAI site engineer during the site evaluation. Findings of this site observation are documented in this report including photos provided in figures section on pages 3 to 5.

3.0 SITE VISIT DETAILS: USAID RESPONSIBILITY

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

1. Construction of concrete pad in market yard is complete per the drawings.
(See Figures 1, 2, 3, 4 and 5)

Based on above summary, Tt has determined USAID's portion of the construction work for the Maymana Grain Market is complete.

4.0 SITE VISIT DETAILS: MAYMANA MUNICIPALITY RESPONSIBILITY

Regarding the Maymana Municipality funded portion of works, the following was observed:

1. Demolition of two (2) old shops from the market is complete.
2. Construction of drainage system in the market yard is complete per the drawings. (See Figures 4, 5 and 6).
3. Installation of iron grill on top of drainage system is complete per the drawings. (See Figure 5)

Based on above summary, Tt has determined Maymana Municipality's portion of the construction work for the Maymana Grain Market is complete.

FIGURES



Figure 1. View of Concrete pad on the North side of the Market Yard



Figure 2. View of Concrete pad on the west side of Market Yard.

FIGURES (CONTINUED)



Figure 3. View of Expansion Joint on the Concrete Pad



Figure 4. View of the Drainage System in the Market Yard

FIGURES (CONTINUED)

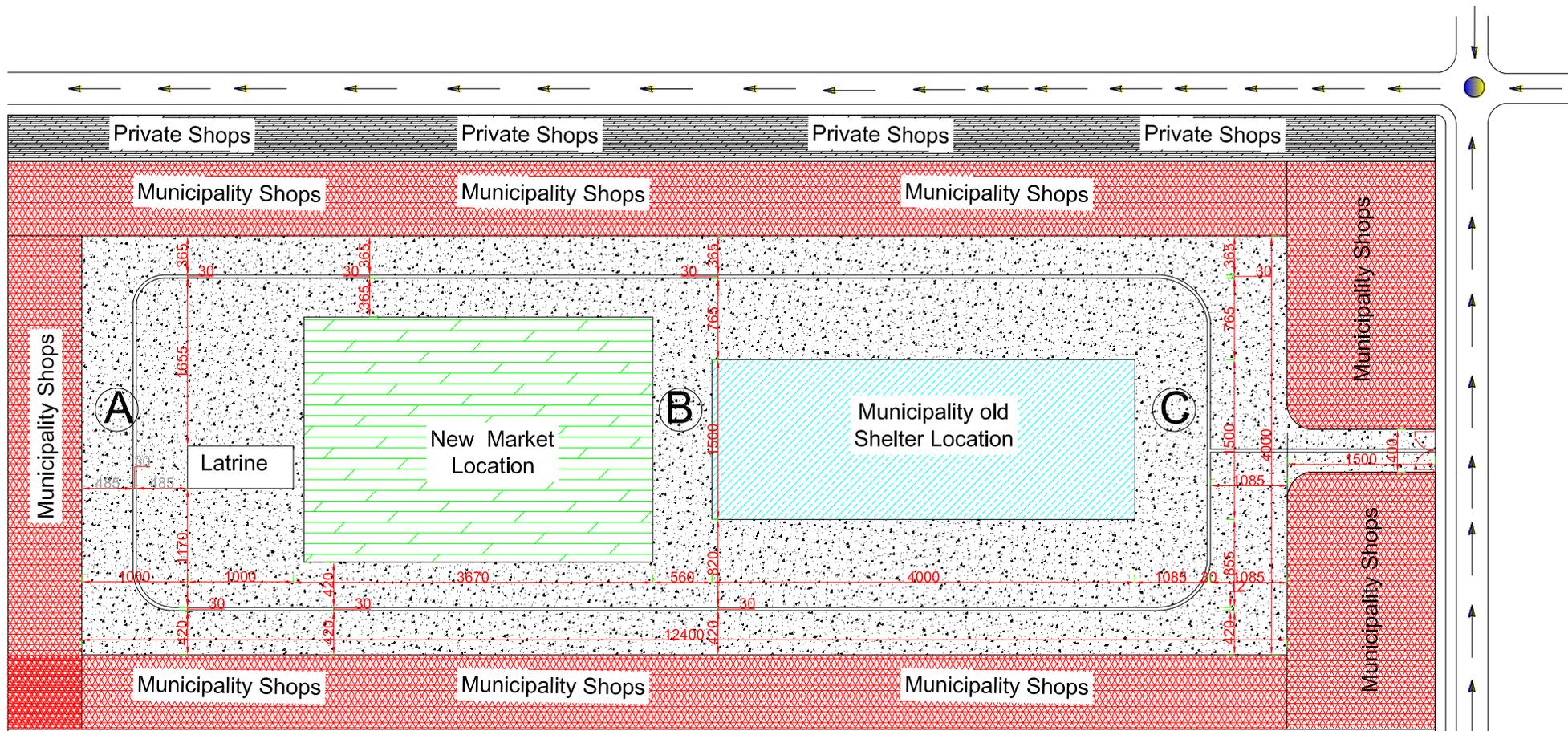


Figure 5. View of the Drainage System in the Market Yard.



Figure 6. Tt Engineer Measuring the Width of the Drainage System

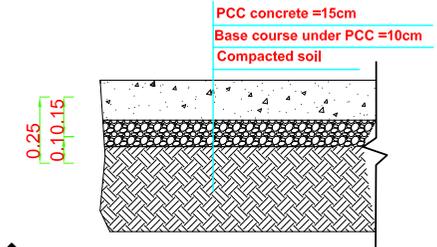
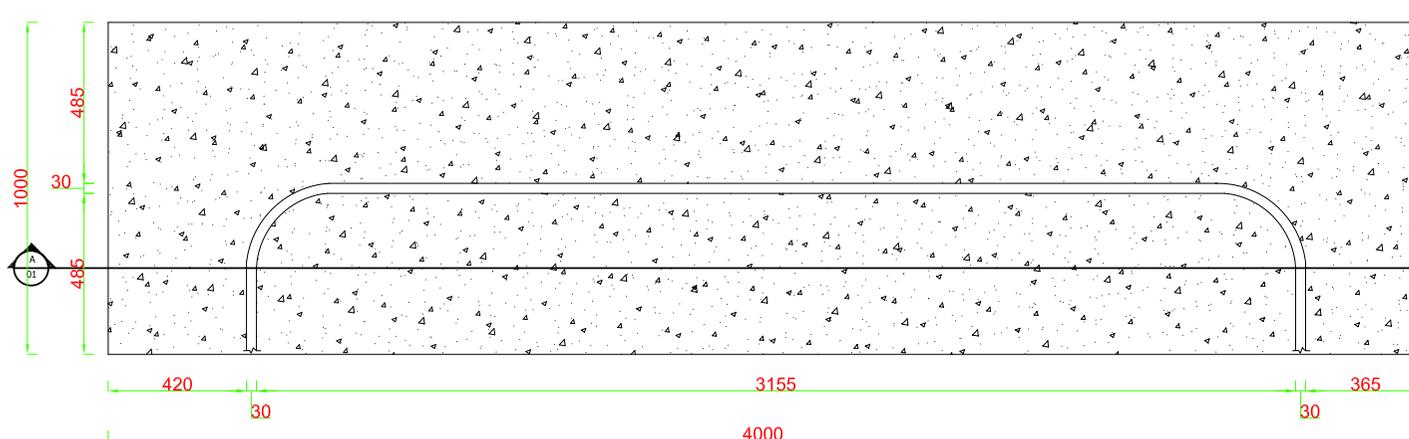
APPENDIX A – MAYMANA GRAIN MARKET IMPROVEMENT PROJECT PLANS



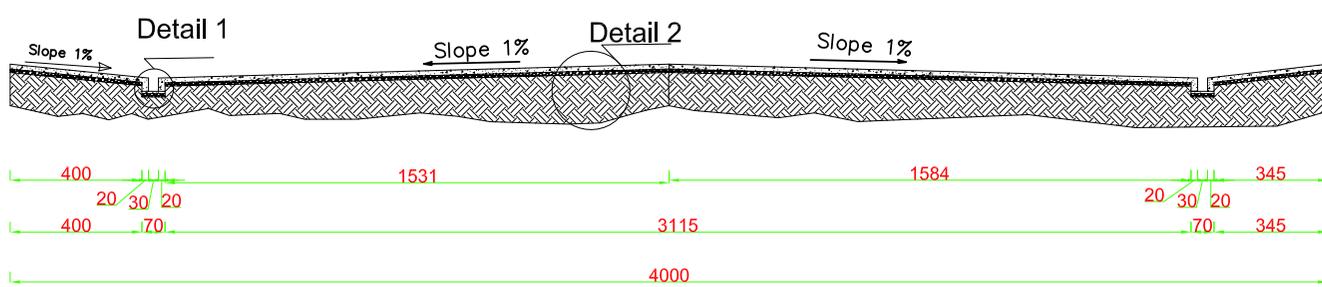
Note: Proposed area of PCC (Part A,B,...J)

General Plan

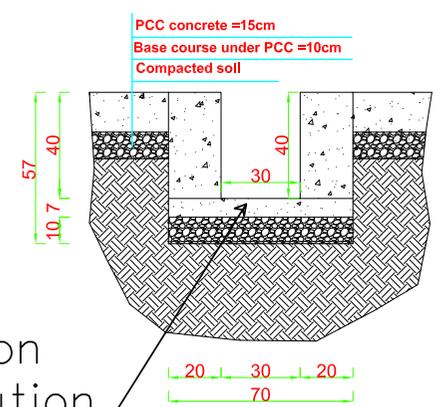
Drawing Title: General Plan		Name	Position/Organization	Project Name: Grain Market improvement
Surveyed by:		[REDACTED]	Engineering Advisor RAMP UP N	
Estimated by:			Engineering Advisor RAMP UP N	
Conceptual Approved by:			Head of SDAG	
Conceptual Approved by:			Mayor of Maymana	
Technical Checked by:			Engineering Director RAMP-UP N	
Approved by:		Projects Manager RAMP-UP N		
Drawing Number:	1/5			June 2013



Detail 2



Section A-A

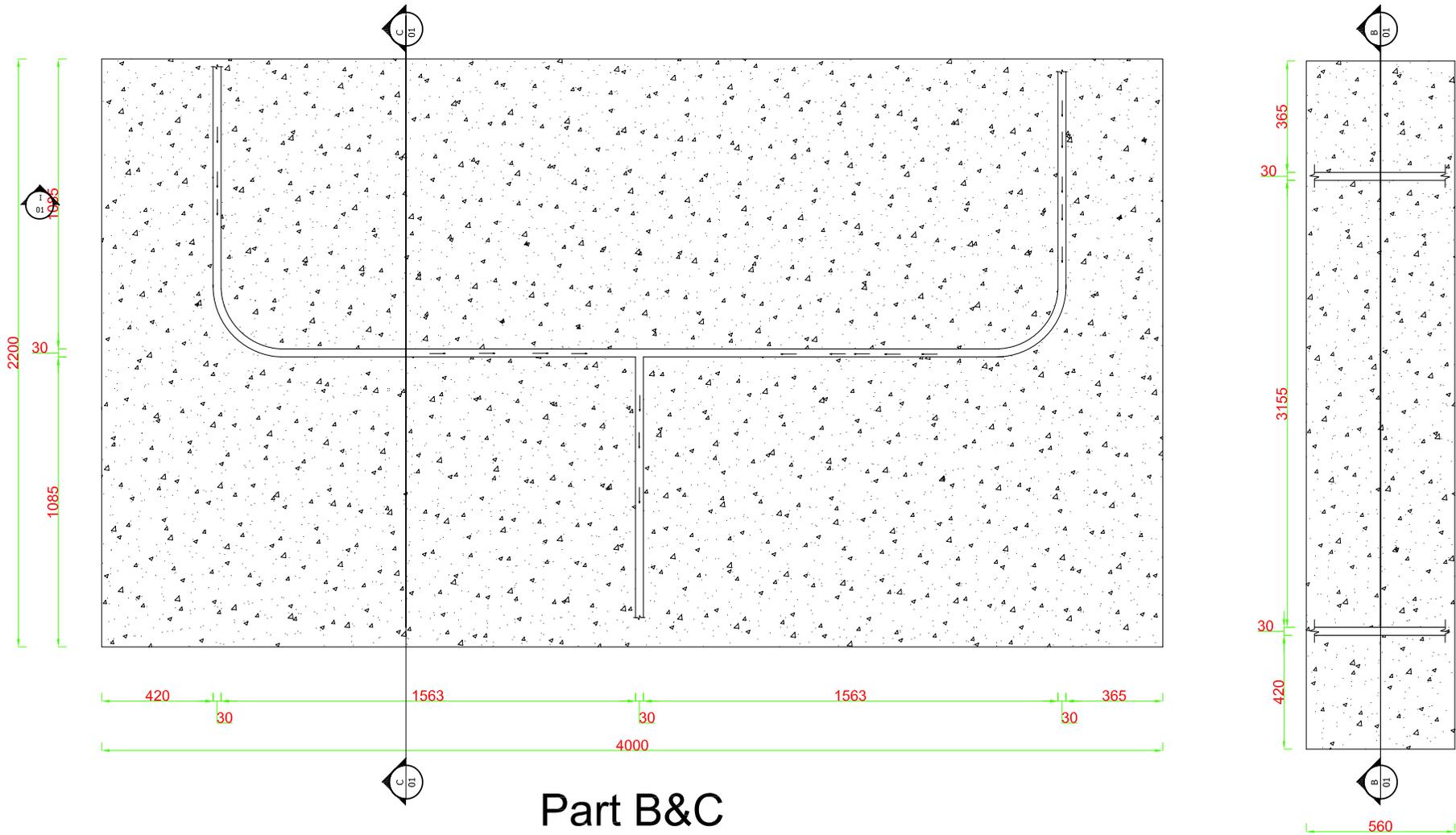


Detail 1

Drainage Construction
Municipality Contribution

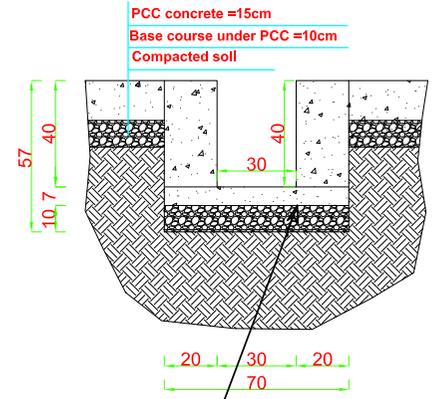
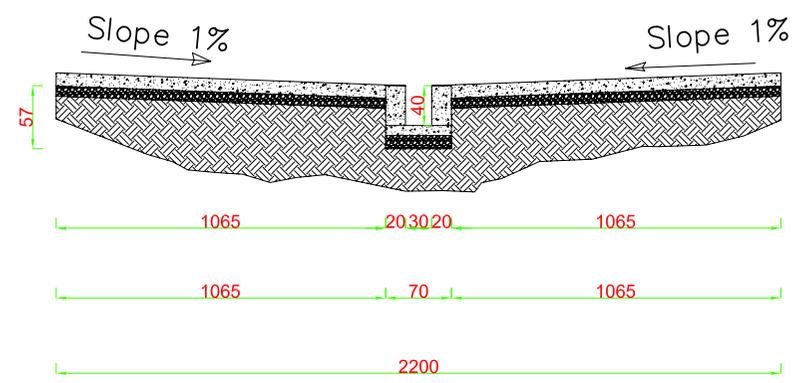
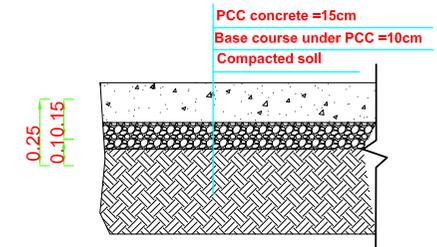
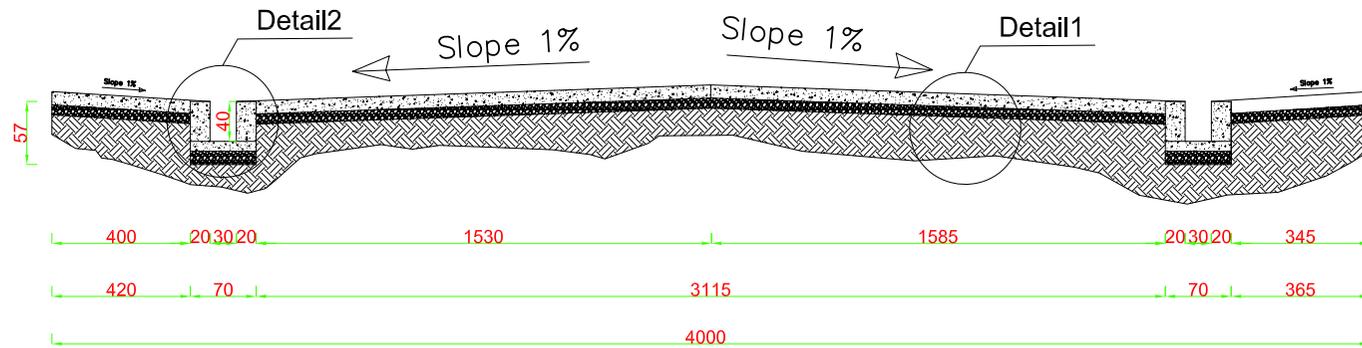
Part A

Drawing Title: Part A	Name	Position/Organization	Project Name: Grain Market improvement
	Surveyed by:	Engineering Advisor RAMP UP N	
	Estimated by:	Engineering Advisor RAMP UP N	
Conceptual Approved by:	Head of SDAG		
Drawing Number: 2/5	Conceptual Approved by:	Mayor of Maymana	June 2013
	Technical Checked by:	Engineering Director RAMP-UP N	
	Approved by:	Projects Manager RAMP-UP N	



Part B&C

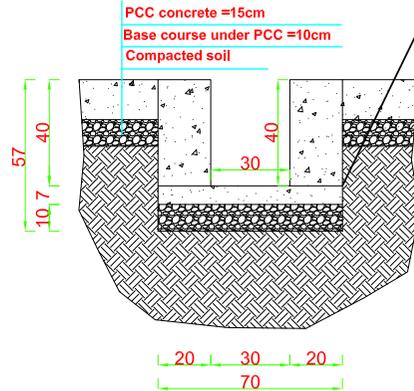
Drawing Title: Part I&F		Name	Position/Organization	Project Name: Grain Market improvement
	Surveyed by:	[REDACTED]	Engineering Advisor RAMP UP N	
	Estimated by:	[REDACTED]	Engineering Advisor RAMP UP N	
Conceptual Approved by:	[REDACTED]	Head of SDAG		
Drawing Number: 3/5	Conceptual Approved by:	[REDACTED]	Mayor of Maymana	June 2013
	Technical Checked by:	[REDACTED]	Engineering Director RAMP-UP N	
	Approved by:	[REDACTED]	Projects Manager RAMP-UP N	



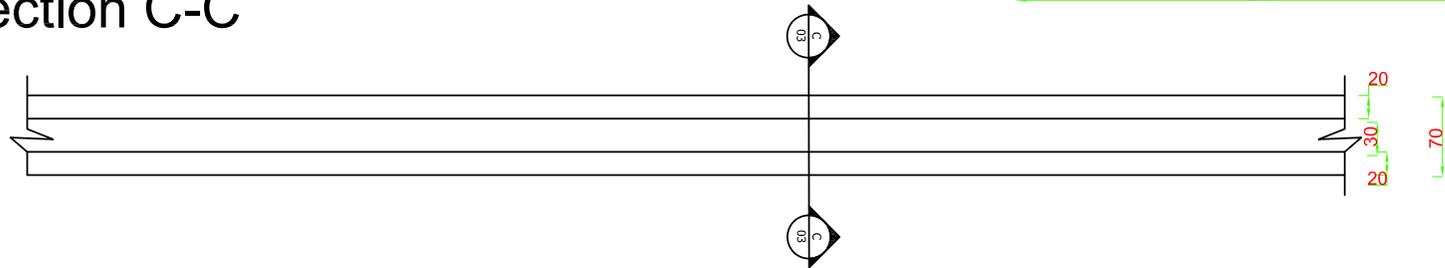
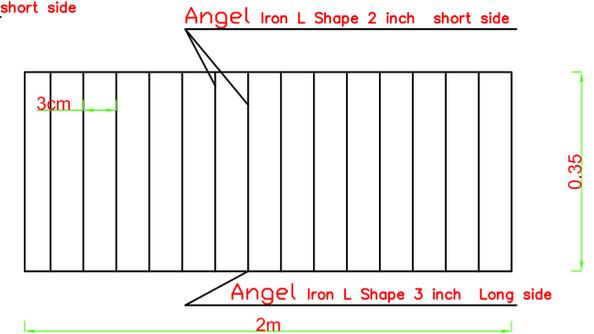
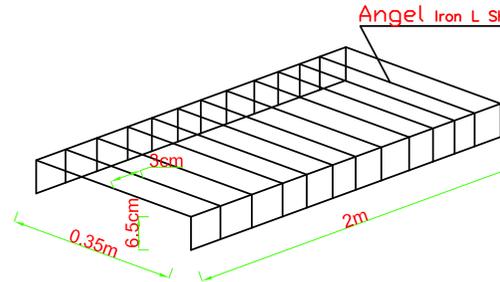
Drainage Construction
Municipality Contribution

Drawing Title: Section B-B&C-C		Name	Position/Organization	Project Name: Grain Market improvement June 2013
Surveyed by:		[REDACTED]	Engineering Advisor RAMP UP N	
Estimated by:			Engineering Advisor RAMP UP N	
Conceptual Approved by:			Head of SDAG	
Conceptual Approved by:			Mayor of Maymana	
Technical Checked by:			Engineering Director RAMP-UP N	
Approved by:		Projects Manager RAMP-UP N		
Drawing Number:	4/5			

Drainage Construction Municipality Contribution

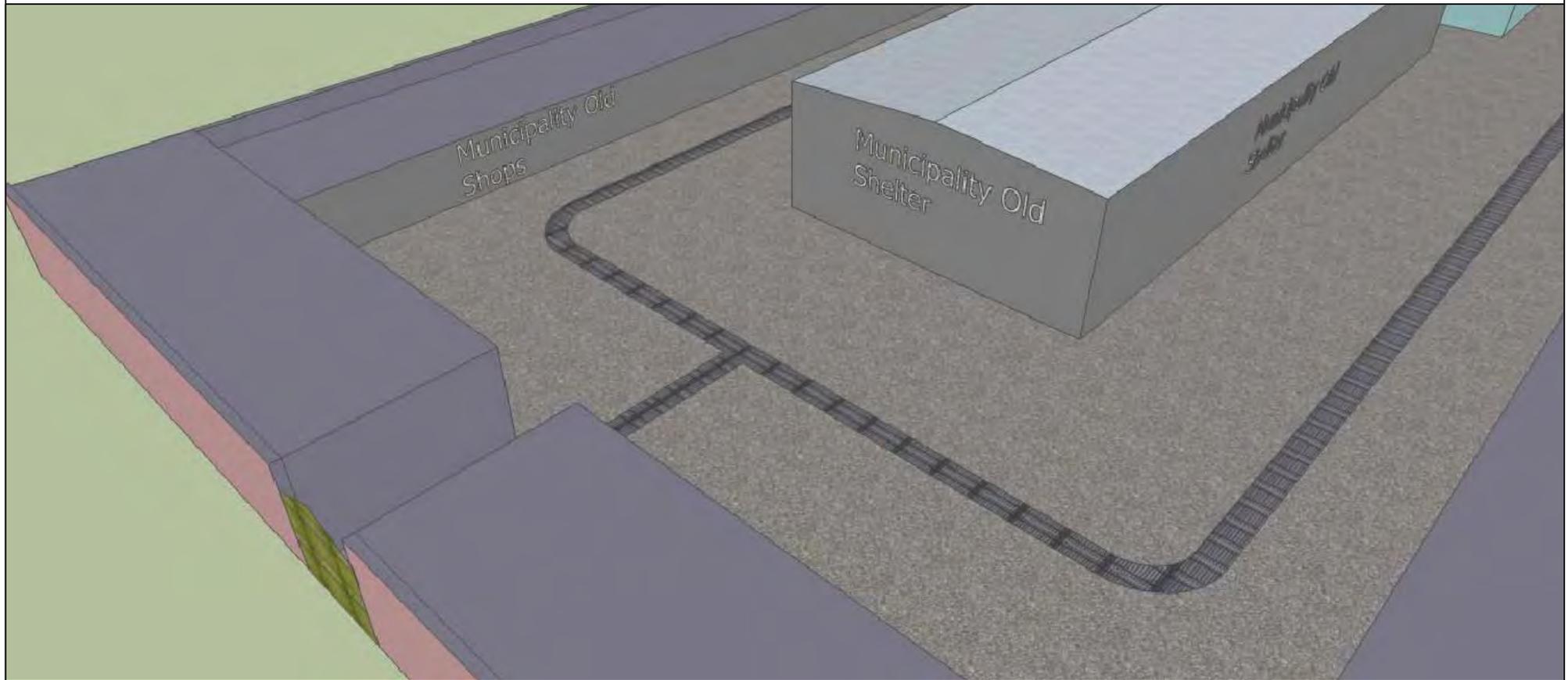


Section C-C

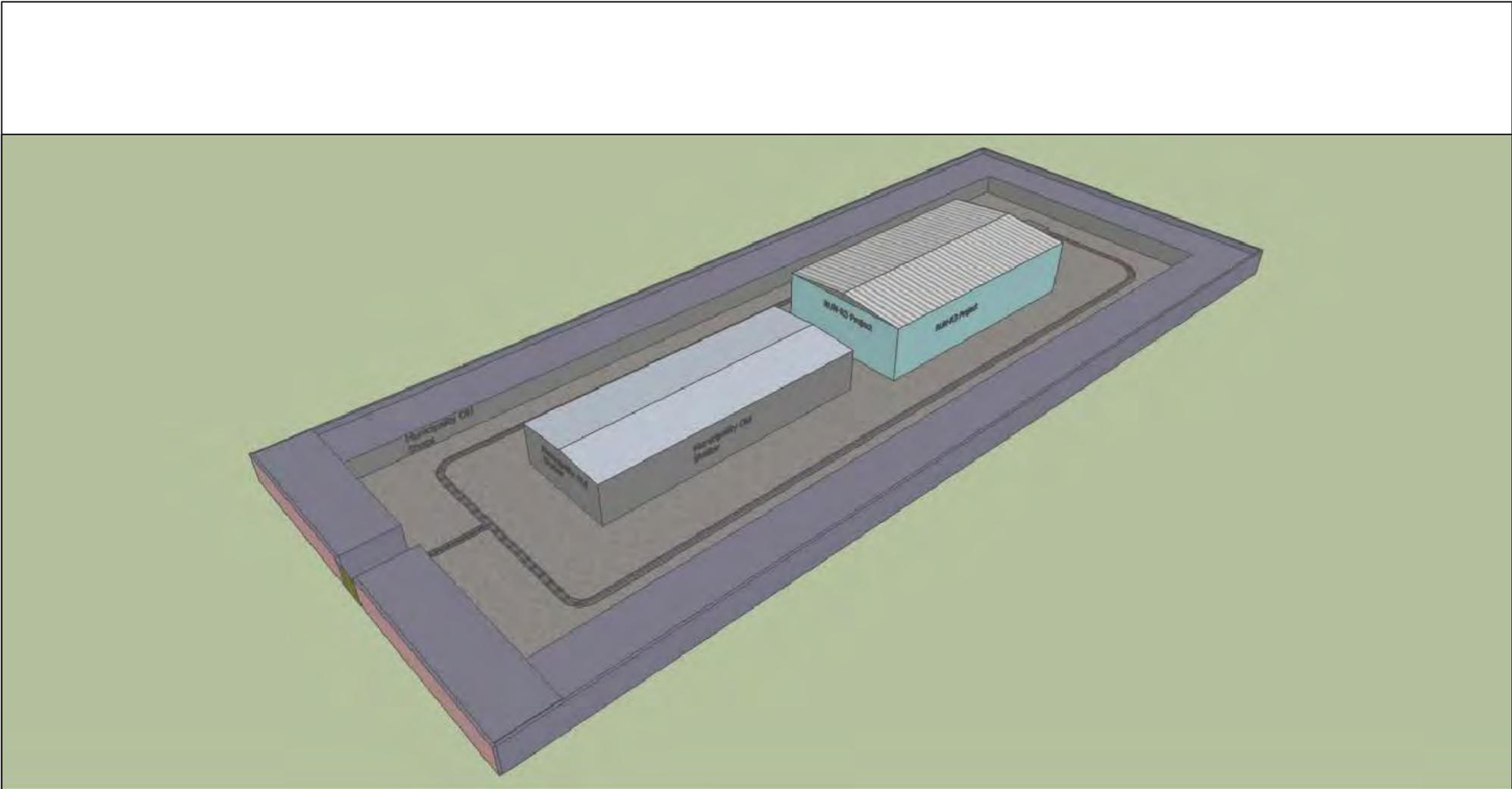


Drainage Iron Grill Plan

Drawing Title: Drainage Construction		Name	Position/Organization	Project Name: Grain Market improvement
	Surveyed by:		Engineering Advisor RAMP UP N	
	Estimated by:		Engineering Advisor RAMP UP N	
	Conceptual Approved by:		Head of SDAG	
Drawing Number: 5/5	Conceptual Approved by:		Mayor of Maymana	June 2013
	Technical Checked by:		Engineering Director RAMP-UP N	
	Approved by:		Projects Manager RAMP-UP N	



Drawing Title: 3D Drawing		Name	Position/Organization	Project Name: Grain Market improvement June 2013
	Surveyed by:		Engineering Advisor RAMP UP N	
	Estimated by:		Engineering Advisor RAMP UP N	
Conceptual Approved by:	Head of SDAG			
Conceptual Approved by:	Mayor of Maymana			
Drawing Number: 1/2	Technical Checked by:		Engineering Director RAMP-UP N	
	Approved by:	Projects Manager RAMP-UP N		



Drawing Title: 3D Drawing

Surveyed by:
 Estimated by:
 Conceptual Approved by:

Name
[REDACTED]

Position/Organization
Engineering Advisor RAMP UP N
Engineering Advisor RAMP UP N
Head of SDAG
Mayor of Maymana
Engineering Director RAMP-UP N
Projects Manager RAMP-UP N

Project Name: Grain Market improvement
June 2013

Drawing Number: 2/2

Conceptual Approved by:
 Technical Checked by:
 Approved by:

APPENDIX B – MAYMANA GRAIN MARKET IMPROVEMENT PROJECT
BILL OF QUANTITY

Bill of Quantity Grain Market Improvement Project

Project name:											
Grain Market Improvement Project (RUN-MYM-P-005)									Date:		Tuesday, July 30, 2013
No.	Description	No.	Length (M)	Width (M)	Depth (M)	Vol (CM)	Area (SM)	Qty	Units	Estimated Unit Cost (AFA)	Estimated Total Cost (AFA)
1	Demolishing of two old shops and removed materials from market site and mud plaster(Kahgel) of 140 no shops.									Contribution of Maymana Municipality for R5 project (cost estimation around (300000 AFN). Note: The market drainage system will be constructed by Municipality as their contribution for RU-N R3 project.	
2	Site preparation ,Cleaning ,cutting filling and compaction of the maket area with all related activates according to the drawing and technical specifications.										
	Part A	1	40.00	10.00	0.20	80.00		566.28	CM	AFA	-
	Part B	1	20.50	10.00	0.15	30.75					
	Part C	1	15.60	10.00	0.20	31.20					
	Part D	1	36.70	8.70	0.15	47.89					
	Part E	1	36.70	7.60	0.15	41.84					
	Part F	1	40.00	5.60	0.20	44.80					
	Part G	1	40.00	11.60	0.15	69.60					
	Part H	1	40.00	12.70	0.15	76.20					
	Part I	1	40.00	22.00	0.15	132.00					
	Part K	1	15.00	4.00	0.20	12.00					
3	Base coarse under plain cement concrete (well graded crashed gravel, sand and soil) including 90% compaction and all required activities based on the drawing and specifications (not river material).										
	Under PCC of Part A	1	40.00	9.30	0.10	37.20		329.95	CM	AFA	-
	Under PCC of Part B	1	19.80	10.00	0.10	19.80					
	Under PCC of Part C	1	14.90	10.00	0.10	14.90					
	Under PCC of Part D	1	36.70	8.00	0.10	29.36					
	Under PCC of Part E	1	36.70	6.90	0.10	25.32					
	Under PCC of Part F	1	38.60	5.60	0.10	21.62					
	Under PCC of Part G	1	40.00	10.90	0.10	43.60					
	Under PCC of Part H	1	40.00	12.00	0.10	48.00					
	Under PCC of Part I	1	40.00	21.30	0.10	85.20					
	Under PCC of Part J	1	15.00	3.30	0.10	4.95					
4	Plain Cement Concrete(PCC) M150 for floor of the market with mix (1;2:4 cement, sand, crashed aggregate). With mash screen of (70x70x4mm).										
	Under PCC of Part A	1	40.00	9.30	0.15	55.80		494.92	CM	AFA	-
	Under PCC of Part B	1	19.80	10.00	0.15	29.70					
	Under PCC of Part C	1	14.90	10.00	0.15	22.35					
	Under PCC of Part D	1	36.70	8.00	0.15	44.04					
	Under PCC of Part E	1	36.70	6.90	0.15	37.98					
	Under PCC of Part F	1	38.60	5.60	0.15	32.42					
	Under PCC of Part G	1	40.00	10.90	0.15	65.40					
	Under PCC of Part H	1	40.00	12.00	0.15	72.00					
	Under PCC of Part I	1	40.00	21.30	0.15	127.80					
	Under PCC of Part J	1	15.00	3.30	0.15	7.43					
5	Supply and installation of iron Grill for top of drainages (Each of them should be with 2 m length and 0.35m wide). Grills should be mad of Angle Iron 3 inch and 2 inchs. Grills should completly based on the drawing and all required activities such as one coat anti rust and to coats oil paint.	145	2.00	0.35			290				
6	Opening ceremony , closing ceremony and signboard of project.	1	1.00	1.00	1.00	1.00		1.00	LS	AFA	-
Total Construction Cost										AFA	
									Exch. Rate:	56.0	
Notes (In House Only):											