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WEST BANK/GAZA

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Monthly Progress Report # 22

For the Month of March 2015

This publication was produced for the United States Agency for International Development, West Bank and Gaza Mission. It was prepared by CDM Smith under Contract No.: IQC No. AID-294-I-12-00001, Relative to Order No.AID-294-TO-13-00006.

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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List of Acronyms and Abbreviations

ANSI	American National Standards Institute
ASQ	American Society for Quality
AWWA	American Water Works Association
CMC	Construction Management Contractor
CQC	Contractor Quality Control
CSMP	Construction Safety and Health Management Plan
EPA	Environmental Protection Agency
EQA	Environmental Quality Authority
HSWA	Federal Hazardous and Solid Waste Amendments
HSE	Health Safety & Environmental
IADC	International Association of Drilling Contractors
ISEA	Industrial Safety Equipment Association
IQC	Indefinite Quantity Contract
ISO	International Organization for Standardization
MIC	Man in Charge
NCR	Non Conformance Report
NUC	Notice of Unsafe Conditions
OSHA	Occupational Safety and Health Administration
PA	Palestinian Authority
PWA	Palestinian Water Authority
PPE	Personal Protective Equipment
QCP	Quality Control Plan
QMS	Quality Management System
RCS	Radio Communication System
RFI	Request for Information
SCADA	Supervisory Control and Data Acquisition
TDY	Temporarily Deployed for a Year
USAID	United States Agency for International Development
WP	Work Plan
WBWD	West Bank Water Department
WEF	Water Environment Federation



1. DASHBOARD - INTRODUCTION AND SUMMARY

Monthly Report No.22 covers activities accomplished during the month of March 2015 and previews activities anticipated during the next month, April 2015.

1.1 Purpose and Background

The USAID West Bank and Gaza Infrastructure Needs Program II (INP II) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Infrastructure in the West Bank and Gaza suffers from years of neglect and lack of investment. The USAID Mission INP II focuses on the rehabilitation and construction of roads, schools, water, and wastewater projects. The USAID objective is to help the Palestinian economy by improving Palestinian access to basic infrastructure and services.

1.2 Objectives of Task Order 00006

The objective of this Task Order is to develop, rehabilitate and improve an existing well at Qabatiya and to install and equip that well with a new pump and appurtenant equipment. The Task Order also includes construction of a conveyance system that will connect the Qabatiya Well to Al-Zababdeh junction.

1.3 Work/Activity Status

The percent complete, Start and Finish information for each major component is shown on the following table.

Activity Name	Percent Complete	<u>Planned Start</u> <u>Actual Start</u>	<u>Planned Finish</u> <u>Actual Finish</u>
Preconstruction Coordination with PWA	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Mobilization	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Submittals	49%	<u>14 May 2013</u> 14 May 2013	<u>2 February 2016</u> TBD
Procurement and Delivery	6%	<u>26 August 2013</u> 26 August 2013	<u>12 January 2016</u> TBD
Construction Phase	14.24%	<u>19 June 2013</u> <u>19 June 2013</u>	<u>3 February 2016</u> TBD
Post Construction Phase	0%	<u>21 January 2016</u> TBD	<u>3 February 2016</u> TBD



1.4 Key Information

Contract Number:	AID-294-I-12-00001
Task Order Number:	AID-294-TO-13-00006
Notice To Proceed:	14 May 2013
Project Original Duration:	550 Days
Project Original Completion Date:	14 November 2014
BOQ Item Original Amount:	\$6,858,760.00
Day Work Original Amount:	\$850,000.00
Contract Value:	\$ 7,708,760.00
Project Modified Duration:	996 Days
Project Modified Completion Date:	03 February 2016
BOQ Item Modified Amount:	\$ 10,709,995.00
Day Work Modified Amount:	\$ 0,00

2. PROJECT ADMINISTRATION

This Task Order is one of several task orders through which the USAID West Bank and Gaza Infrastructure Needs Program II (INP II) that is designed to improve Palestinian access to basic infrastructure and services throughout the West Bank. Some activities detailed in this report share a common base with the overall project or other Task Orders.

2.1. Submission of Most Recent Monthly Report

This document is the twenty-second in a series of Monthly Reports to be prepared by CDM Smith providing a summary of key project activities during consecutive monthly reporting periods.

2.2. Submission of Most Recent Invoices

The CDM Smith team submitted invoice No. 8. The following table is a summary of the current invoice status.

BOQ Price	\$10,709,995.00
Total Day Works	\$ 0.00
Amount Obligated	\$10,709,995.00
Variation Orders (from TDW)	\$0.00
Task Order Price (BOQ +VO)	\$10,709,995.00
Most Recent Invoice	\$ 118,835.85
Invoiced to Date	\$1,468,736.38



2.3. Staff Information

At the end of this reporting period, 31st March 2015, 15 team members are working on the overall project and other Task Orders in the West Bank. Following are some key Task Order and support staff for the project:

Anthony Mirabella	VP and IQC Manager
Amy O’Connell	Civil Engineer/Contract Specialist
Kevin P. Connors	Senior Project Manager
Ghassan Thaher	Task Order Manager - Key Personnel
Abdel Rahman Bakeer	Safety and Environmental – Key Personnel
Talal Mahasin	QA/QC Manager – Key Personnel
Abed Ahmad	Office Assistant/CMC Office Al-Zababdeh
Yazan Meqbel	Project Engineer
Tamadour Abu AL Rub	Document Control Officer
Mousa Anbar	Finance and Administration Manager
Mohammad Bilbeisi	Finance Assistant Manager
Hiba Othman	Admin Assistant
Anas Abu Sneineh	Security and Logistic Manager
Murad Abu Nasrah	Office Assistant
Ali Odeh	Project Engineer (Scheduler and Controller)

The following specialty staff from CDM Smith is still supporting the project activities from CDM Smith home offices in USA and spent a significant time during the reporting period in the West Bank:

- Mr. Tony Mirabella who serves as IQC Manager for the overall project and is a Senior Vice President of CDM Smith. Mr. Mirabella communicates with the West Bank team on daily basis. Mr. Mirabella is following all work activities that take place at this project in communicating via emails and daily phone calls.
- Ms. Amy O’Connell Civil and Environmental Engineer of CDM Smith Mobilized to the West Bank to join CDM Smith team to support and expedite the engineering analysis and pricing the variation orders and helping in preparing the procurement documents for the project. Ms. O’Connell continued coordinating with West Bank Staff.
- Mr. Kevin P. Connors who serves as a Senior Project Manager is communicating with West Bank Team to be updated for ongoing progress of Qabatiya Project. Moreover, Mr. Connors is directly involved in finalizing and evaluating all variation orders and modification # 1 received for the project.
- An agreement was signed between CDM Smith and a local electro-mechanical office to support the team in electrical activities.

3. ACCOMPLISHMENTS

Following is a summary of significant meetings, correspondence and submittals within this reporting period.



3.1. Accomplishments

Following are key accomplishments for the reporting period.

3.1.1. General, Overall and Project Wide

During this reporting period the conveyance system electromagnetic flow meters which are part of the last approved VO arrived from Germany mid February 2015. Out of four electromagnetic flow meters, two of them were partially installed inside both AAUJ (6" diameter) and Azzababdeh (4" diameter) flow monitoring chambers (the transmitters and batteries of the EMFM which are not installed yet, are available and will be installed prior to the handing over stage). The preparation works for the internal and external walls of the balance tank and the baffle walls are continued for both western and eastern compartments. Filling water to perform the water tightness at the western compartment of the balance tank started. The septic tank and seepage pit are installed and isolated. The construction works (shuttering and reinforcement) for the foundations of the living quarter and disinfection building were started.

Along the conveyance system, the plan for the partial handing over was officially submitted for Engineer's review.

Construction submittals continued during this reporting period. Some of the main construction submittals during this reporting period are; Monthly QC/QA and Safety Plan updates for February 2015, Monthly update Environmental Monitoring and Mitigation plan for February 2015, Updated risk management plan for February 2015, Updated Submittal Registry (up to 28 February 2015), Exhaust Fan for the disinfection building, Mechanical HVAC shop drawing for Electrical Metering Building, Air Conditioning Split Units for Living Quarter & Electrical and Control Building, Fiberglass Reinforcement Mesh, Revised Coordinates for Building of Qabatiya pump station, Electrical shop drawing for underground Disinfection building, Partial Hand over plan for Qabatiya Conveyance system and others included in the attached updated submittal log.

3.1.2. Submittals for Task Order 00006

A summary of significant submittals follows, however a table covering all submittals for the reporting period is included in the Appendix:

- Completion of the pre-construction submittals.
- Continue of the following construction submittals:
 - Orifice Plate Calculations;
 - Partial Hand over plan for Qabatiya Conveyance system;
 - Mechanical Shop Drawings for Disinfection Building;
 - Fire Alarm System Devices;
 - Formwork Design and Calculations for the Living Quarter;
 - Formwork Design and Calculations for disinfection building;
 - Assessment of Foundation Conditions at Four Locations-Qabatiya Well Pump Station;
 - Electrical Shop Drawings for Coordination Plan – Electrical Plan;
 - Mechanical Shop Drawings for Pipe Marker on Transmission Mains;
 - Fiberglass Reinforcement Mesh;
 - Air Conditioning Split Units for Living Quarter & Electrical and Control Building;
 - Mechanical HVAC shop drawing for Electrical Metering Building;



- Exhaust Fan for the disinfection building;
- Updated Submittal Registry (up to 28 February 2015);
- Updated risk management plan for February 2015;
- Monthly update Environmental Monitoring and Mitigation plan for February 2015;
- Revised Quality Control Plan;
- Monthly QC\QA and Safety Plan updates for February 2015;
- Structural Shop drawing for Disinfection building;
- Load test Report for Manhole Cover – Kurdieh Factory /Hebron. Report No.BM/PTIC/15007;
- Column Pipes Alternative;
- Filter Fabric for Seepage Tank;
- Coal Tar Epoxy Coating -Nitocote ET550;
- Revised CPM Construction Schedule;
- Well Pump and Associated Equipment;
- Method Statement for Construction of Septic & Seepage Tanks;
- Testing of Qabatiya 1000m³ balance tank water tightness;
- Revised Coordinates for Building of Qabatiya pump station;
- Electrical shop drawing for underground Disinfection building;
- Structural Shop Drawing for Septic Tank;
- Sleeve Type Coupling With Harness (for QBW Pumping Station).

3.2. Labor and Equipment

3.2.1. Geo MIS

All Implementing Partners working for the West Bank and Gaza Mission track and record labor (work force) data relative to employment of Palestinian people. The Geo MIS system includes assignment of a job classification to each worker and summation of Job Days for each classification on the project. The following table includes the Geo MIS data recorded and submitted to the Mission relative to the reporting period.

Date	Management (Person day)	Engineers (Person day)	Skilled Labor (Person day)	Unskilled Labor (Person day)	Other (Person day)	Total (Person day)
May 2013	86.88	44.13	0.00	0.00	2.50	133.50
June 2013	125.25	50.88	3.63	0.00	0.00	179.75
July 2013	114.75	44.00	79.25	46.00	16.63	300.63
Aug 2013	93.38	72.63	0.00	22.00	0.00	188.00
Sep 2013	127.13	179.00	72.38	32.13	3.75	414.38
Oct. 2013	124.63	179.13	88.63	39.13	8.13	439.63
Nov.2013	101.25	172.63	49.13	36.50	0.00	359.50
Dec. 2013	109.00	164.38	139.25	67.13	0.00	479.75
Jan. 2014	105.13	174.25	205.00	166.88	7.88	659.13
Feb. 2014	102.63	190.00	193.00	211.63	42.13	739.38
March 2014	114.00	207.25	129.50	122.38	21.13	594.25
April 2014	115.50	233.13	78.38	79.13	0.00	506.13
May 2014	105.63	173.38	213.88	112.88	0.00	605.75
June 2014	107.00	150.38	151.13	117.50	6.00	532.00
July 2014	81.50	65.00	16.75	114.88	0.50	278.63
August 2014	112.25	101.50	131.25	215.63	4.13	565.75



Sept. 2014	107.13	78.63	207.88	93.75	4.13	491.50
Oct. 2014	84.38	60.50	186.13	185.75	0.00	516.13
Nov. 2014	109.63	59.25	194.38	183.50	9.38	556.13
Dec. 2014	127.63	52.88	195.38	122.50	3.38	501.75
Jan. 2015	94.88	95.13	145.50	67.25	4.13	406.88
Feb. 2015	88.38	117.25	40.75	43.50	0.00	289.88
Mar. 2015	89.50	159.50	31.38	87.63	9.50	377.50

The total cumulative generated Man-Days to date are 10115.88

Female employment generated to date is Zero.

3.2.2. Project Beneficiaries

Total number of Beneficiaries is 81,951:

- Number of Male Beneficiaries 41,623 Male = 50.79%
- Number of Female Beneficiaries 40,328 Female = 49.21%
- Male Beneficiaries to Age 17 19,663 47.24%
- Female Beneficiaries to Age 17 19,051 47.24%
- Male Beneficiaries 18 to 25 6,568 15.78%
- Female Beneficiaries 18 to 25 6,364 15.78%
- Male Beneficiaries 26 and older 15,392 36.98%
- Female Beneficiaries 26 and older 14,913 36.98%

3.2.3. Equipment

For this reporting period, preparation works prior to receiving epoxy coats for the internal walls of the balance tank are ongoing. Water filling of the western compartment of the BT for water tightness test is ongoing. Excavation and construction works for well site facilities started. This includes the septic tank, seepage pit, disinfection building and living quarter. For the conveyance system a plan for partial handing over was submitted for Engineer’s review and/or approval. Equipment List is attached in the Appendix.

3.3. Meetings and Correspondence with USAID

- CO meeting was held on Tuesday - March 31, 2015.

3.4. Meetings and Correspondence with CMC and Subcontractors

- Monday 03/02/2015 – Coordination meeting with BV in presence of ABC and FOSROC representative.
- Tuesday – 03/03/2015 - Technical coordination meeting with CDM Smith – USA office and BV via conference call in presence of ABC
- Wednesday – 03/04/2015 – Quality coordination meeting with BV in presence of ABC.
- Thursday – 03/05/2015 – Biweekly meeting # 30 with BV was held at Engineer’s Primary Field Office.



- Tuesday – 03/10/2015 - Technical coordination meeting with CDM Smith – USA office and BV via conference call in presence of ABC
- Saturday – 03/14/2015 – Technical coordination meeting with ABC.
- Thursday – 03/26/2015 – Biweekly meeting # 31 with BV was held at Engineer’s Primary Field Office.

3.5. Procurement/Subcontract Actions

- The subcontract that has been awarded to Site Group Company for the development of Qabatiya Well has kept open until the delivery of the Well Pump where Site Group shall be responsible for fishing of the missing pump and the installation of the Well Pump upon delivery of the pump by the pump supplier. The second subcontract to Arab Brothers Contracting Co. for the installation of the conveyance system and construct all civil, mechanical and electrical works related to Qabatiya Well Site has been amended to include the VO’s received from USAID.
- A subcontract has been awarded to MOREX 71 LTD. – Institute for Non-Destructive Testing to do all the required Radiographic testing for this project.
- Purchase Orders was issued for the well pumping system and will be issued soon for the major electrical equipment after finalizing the required submittals and getting the required approvals.

3.6. Quality Control

The Quality Control Manager prepared updated monthly submittal register log and Quality Control Plan. He also worked with Subcontractors to review and prepare subcontractors’ QC plans. Request for Information log is also prepared. Please see the attached updated logs.

During the reporting period the CDM Smith’s Quality Control Manager coordinated and attended a soil investigation test conducted for the foundation soil of well site facilities on March 04, 2015.

Moreover, the CDM Smith’s Quality Control Manager coordinated and attended the load test conducted for manhole frame and cover of Kurdieh and Son’s Source at Building Center Lab / Hebron on March 07, 2015.

3.7. Safety

Considering all activities that took place during this report period, the task order has not experienced any serious safety issues. CDM Smith as well as USAID and B&V objective is to implement a Health and Safety Program that will reduce the number of injuries, exposures, and illnesses to an absolute minimum. Our mutual goal is ZERO accidents, exposures, and injuries.

Despite of Qabatiya well site is a restricted area it has various construction activities such as excavation for buildings and implementation of electrical and mechanical utilities, therefore under this challenging condition CDM Smith and subcontractor have organized the site to comply with safety procedure and create safely work environment .

CDM smith’s safety Engineer conducted Toolbox on March 15, 2015 explained to the new labors the important of using proper tools to achieve the activities and how they have to do in emergency cases and the important of use the safety tools during the works

CDM smith’s safety engineer has inspected the safety tools and equipment that required for works in safe environment. CDM smith’s safety engineer conducted Toolbox on March 16, 2015 explained to the skilled labors How to deal with the new material (NITOCOTE ET 550) as it’s contains coal tar pitch and is flammable.



The potential risks of irreversible effects if there contact with skin or eyes. Therefore CDM Smith's safety Eng. ensure adequate ventilation, suitable protective clothing and fire, extinguish with CO2 available at the site.

CDM Smith's safety engineer has confirmed to the labors the important of using proper tools to achieve the activities and how to deal with any accidental skin contact occur.

Lesson Learned?

The prospect of getting into an accident is something no one likes to think about. From time to time again we hear our managers, supervisors or co-workers telling us to be careful, work safely and use personal protective equipment. Yet, do we really listen? We hear the words, but do we really believe we'll be the one who will have an accident?

There are those who take the safety message at work seriously, and those who do not. Safe work procedures have a purpose. Experience tells us that if we do things right, we'll complete our work correctly and safely. When personal protective equipment (PPE) is provided, this is also for good reason. PPE prevents or minimizes injury or illness to the user.

Sometimes accidents happen when you least expect them. The following provides this, along with a reminder that sometimes they do happen to us....

Lesson: CDM Smith and Subcontractor all the time reviewing the safety plan to the labors, training the new labors and check the tools, as well as masseurs for Qabatiya well project since the project will be extended and more utilities will be constructed. They increased the housekeeping crew and provide more signs inside the site, moreover comfortable satire to balance tank roof slab has been constructed.

Lesson learned 1

Proper tools, PPE to achieve the activities = prevents or minimizes injury or illness to the user

Lesson learned 2

TIDY SITE = SAFE SITE

Lesson learned 3

Lack of adherence with safety tool a/o equipment + Lack of housekeeping = Painful injuries.

Despite that conveyance system has been almost completed and the works will be restricted at Qabatiya well site more safety awareness by supporting of subcontractor will be kept during of construction of the buildings activities (excavations, concrete casting, and confined space entry inside balancing tank). The followings will be checked on Daly basis:

- Housekeeping to be maintained all time.
- Toolbox meeting and training for new labors.
- Periodic check of safety tools and equipment.

CDM Smith safety Engineer as part of his job is always trying to make sure that the jobsite has the basic first-aid kit and that a procedure is in place to replace expended, used or outdated items. First-aid kits are available in all CDM Smith and CMC offices as well as project vehicles.



3.8. Public Relations

CDM Smith continued the coordination and public relations activities during the reporting period. Coordination with both Azzababdeh and Qabatiya Municipalities is always on the highest level to resolve any issue and / or obstacle that might be encountered during the construction activities. Both Municipalities always show full cooperation and commitment to ease all obstacles and other project related issues (if any). The relocation of the existing system feeding Qabatiya at the well site was conducted in coordination with WBWD staff.

3.9. Project Permitting & Security

The location of the project in the north of the West Bank with parts of the project located in area C requires continuous coordination with civil administration to facilitate the mobility of CDM Smith and subcontractors' personnel and vehicles to the project site if checkpoints exist or if any activity needs coordination.

CDM Smith Logistics and Security Manager has regular coordination meetings with the coordination office in Beit El. CDM Smith Logistics and Security Manager is always ready to coordinate with the required authority, or with the civil administration to facilitate any difficulty that may face the project construction.

4. SCHEDULE

4.1. Progress vs. Planned

CDM Smith submitted a revised CPM Schedule reflecting the approved modification No. 1 signed by USAID on Dec. 24th 2014. Revised CPM Schedule according to the CMC review comments attached.

Performance % Complete =	19.18 %
Schedule % Complete=	21.45 %

5. OUTLOOK FOR NEXT REPORTING PERIOD

The following subsections provide information on anticipated activities through the next reporting period.

5.1. Planned Submission of Next Invoices

CDM Smith is planning to prepare Invoice No. 9 that is expected to be issued to CMC around end of April 2015. This invoice will cover the excavation works and reinforced concrete of the living quarter and disinfection building foundations, civil works for the septic tank and seepage pit and any other activity completed to the day of invoicing.

5.2. Planned Activities Anticipated During April 2015

The Following activities are anticipated to be submitted, constructed or implemented during April 2015:

- Start excavation and construction of the buildings other than the balance tank and the retaining walls.
- Continue submitting all required shop-drawings, submittals and requests to allow proceeding with the works at the well site.
- Continue conducting the water tightness test for the balancing tank.



- Starting installation of the metal works for the balancing tank.
- Continue working on Partial Handover Plan for Qabatiya Conveyance System to be submitted officially to CMC for approval.

5.3. Planned Staff Changes

The CDM Smith teams will actively searching for additional staff to serve in any area required to complete the project with the best quality and safe procedure. Any required position will be filled as needed and as the overall workload increases. Various technical specialists will also work from other CDM Smith offices and/or work TDY in the West Bank as needed.

5.4. Planned Meetings and Correspondence with USAID

No Monthly CO meeting is scheduled for April, 2015.

5.5. Planned Meetings and Correspondence with CMC

Coordination meetings are scheduled for each Task Order every two weeks. Task Order 00006 meetings are expected every two weeks in each reporting period

5.6. Planned Meetings and Correspondence with Others

CDM Smith stands ready to meet with other stakeholders as needed.

6. ISSUES AND CONSTRAINTS

CDM Smith works to actively communicate potential problems to the CMC and USAID. The following subsections cover current and anticipated issues and constraints.

6.1. Administration

No Administrative Constraints were faced during the reporting period. The cooperation and the understanding of the project situation between the Contractor and the CMC allowed resolving all minor problems appeared during the reporting period.

6.2. Qabatiya Conveyance System :

The pipes for Qabatiya Conveyance system were delivered to the site on 22nd and 24th December 2013. The work in the pipeline installations as part of the conveyance system started immediately after the contractor completed all requirements related to the pipeline installations. The work at the pipeline installations that started early January 2014 was finished on 22 March 2014.

Installation of precast chambers is completed on the conveyance system. All required welding works and mechanical valves and fitting inside the chambers are completed except for the installation of electromagnetic flow meters inside both AAUJ and Azzababdeh flow monitoring chambers.

Civil construction works for both AAUJ and Azzababdeh flow monitoring chambers are completed whereas the mechanical construction works are partially completed.

6.3 Qabatiya Well Site

- The preparation activities for the water tightness test of the balancing tank started.
- Starting the construction works for the living quarter and disinfection building.



- A modified chlorination system for the well site was received from BV on February 03, 2015 through a site memorandum # 10.
- A modified of HVAC system for electrical and control building was received from BV on March 12, 2015 through a site memorandum # 12.

6.4 Others

No other issues at this time.

7 APPENDIX

- Photos
- Meeting Minutes
- Submittals summary table
- Invoices log
- RFI Log
- Geo MIS logs
- Inspection Request Log
- Variation Order Log
- Equipment List
- Revised CPM Schedule

END OF REPORT

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Task Order 00006 Photos



Site preparations before starting excavation works for the living quarter and seepage pit , 01 March 2015



Site preparations before starting excavation works for the living quarter and seepage pit , 02 March 2015



Installation of 4" steel air ventilation pipe for the chamber at station 1+171 , 04 March 2015



Welding of steel flanges for the SS mesh as per approved shop drawings, 04 March 2015



HCL technician conducting soil investigation test at Qabatiya Pump Station , 04 March 2015



Visit to Qabatiya Pump Station by senior Black&Veatch staff , 08 March 2015



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Entry permits for confined spaces, 09 March 2015



Repair and finishing of joints inside the balance tank using approved sealant material (Theoflex 600), 09 March 2015



Installation of 4" electro-magnetic flow meter inside Al-Zababdeh flow monitoring chamber, 09 March 2015



Finishing works inside the balance tank- walls and joint, 10 March 2015



Excavation works for the living quarter , 11 March 2015



Excavation works for the seepage pit , 14 March 2015



Safety toolbox meeting , 15 March 2015



Coating of seepage pit rings using tar epoxy material, 16 March 2015



Safety toolbox meeting regarding the use of tar coating materials and safety precautions, 16 March 2015



Installation of 4" galvanized posts serving as pipe markers along the conveyance system, 17 March 2015



Coating of precast manholes for the septic tank using damp-proofing material-Nitoproof 30, 17 March 2015



Installation of precast rings and manholes for both the seepage pit and septic tank , 17 March 2015



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Applying geotextile filter fabric on the rings of the seepage pit as per approved shop drawings , 18 March 2015



Preparations for the excavation area at the living quarter's location before rockfill, 19 March 2015



Rockfill at the foundations of the living quarter, 21 March 2015



Rockfill at the foundations of the living quarter , 23 March 2015



Rockfill under the foundations of living quarter as a soil modification procedure, 24 March 2015



Preparation to cast concrete over the rockfill, 25 March 2015



Casting plain concrete over the rockfill as a soil modification procedure, 25 March 2015



Bi-weekly progress meeting between CMC, CDM Smith and ABC, 26 March 2015



Formwork for the foundation of the living quarter, 28 March 2015



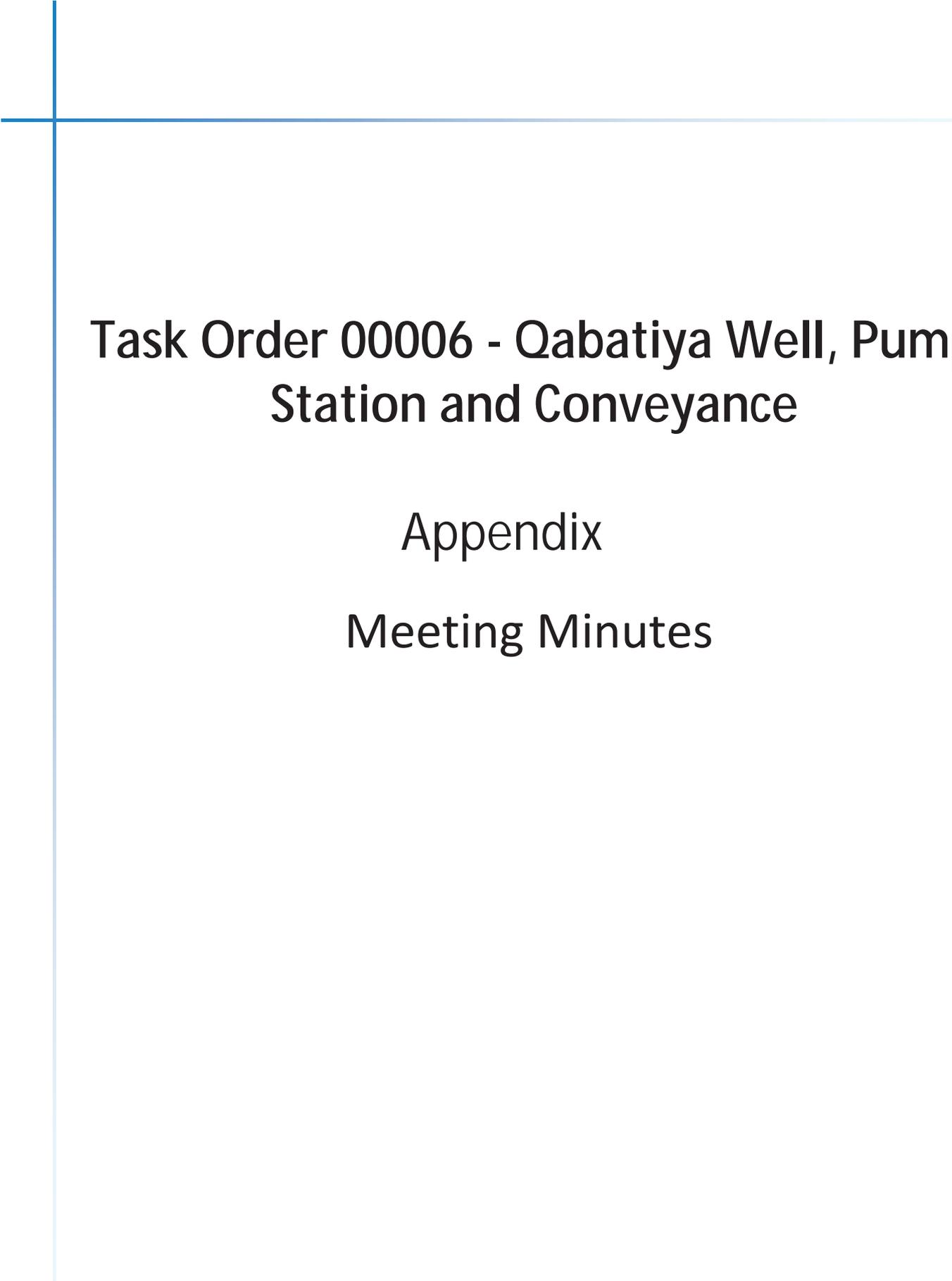
Steel reinforcement works for the foundation of the living quarter, 29 March 2015



Safety steel barriers around construction areas inside Qabatiya Pump Station, 30 March 2015



Delivery of 16mm reinforcement steel for Qabatiya Project, 31 March 2015



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Meeting Minutes

Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #30

Date:

Thursday March 5, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD

--

USAID

Mr. Anan Masri

Black and Veatch

Mr. Adnan Safi
Mr. Abe Siag
Mr. Talal Atallah
Mr. Mukhles Najajreh
Mr. Murad Daoud
Ms. Iman Jaradat

CDM Smith and Subcontractors

Mr. Ghassan Thaher
Mr. Talal Mahasin
Mr. Abed Baker
Mr. Yousef Alqam
Mr. Ali Odeh

Notes Prepared by:

Talal Atallah, Black & Veatch

Purpose:

Bi-weekly Progress Meeting for Qabatiya Well Pump Station and Conveyance System Project– TO 13-00006; aimed to review progress of work, discuss project issues and provide solutions where required.

We believe that these minutes accurately reflect what transpired at the meeting. Unless we are notified in writing to the contrary by 2 working days, the minutes will stand as written.

Abbreviation List:

ASAP: As Soon As Possible, **BV:** Black and Veatch, **DCL:** District Coordination Liaison, **INFO:** Information, **CDM:** Camp Dresser & McKee, **PWA:** Palestinian Water Authority, **WBWD:** West Bank Water Department, **USAID:** United States Agency for International Development, **VOR:** Variation Order Request, **NCR:** Non Compliance Report, **PM:** Progress Meeting, **CM:** Coordination Meeting, **MOM:** Minutes of Meeting, **QBW:** Qabatiya Well, **CO:** Contracting Officer, **VO:** Variation Order, **AAUJ:** Arab American University Jenin. **DJR:** Daily Joint Report.



1. Project Key Data:

- Notice of Award April 02, 2013
- Contract Signing April 02, 2013
- Notice to Proceed May 14, 2013
- Project Duration 550 Days
- Modified Project Duration 996 Days
- Project Planned Completion Date November 14, 2014
- Modified Completion Date February 03, 2016
- Project Elapsed Time 640 Days (64.25%)
- Project Planned Overall % of Completion NA
- Project Actual Overall % of Completion NA
- Total Float (Variance Duration) NA

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #30.
- Copy of Project Key Data.
- Two Weeks Look Ahead.

3. Documents Attached:

- Progress Meeting Agenda #30.
- Attendees List.

4. Next Meeting will be rescheduled for a later date.



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM #01	Safety. 1.1 General Site Safety. No issues were reported under this item.	Info	
	PM#29	1.2 Asbestos Sheets Removal Procedure. BV reminded CDM Smith to submit the method statement for the removal of existing asbestos sheets. In addition, BV stated that the asbestos need to be demolished and disposed as required by contract documents. CDM Smith requested from BV to reply to the email sent earlier in that regard and CDM Smith will study the issue accordingly.	CDM Smith	ASAP
2	PM #01	Quality. 2.1 Quality of Work. BV stated that they have conducted a coordination meeting regarding the quality issues to reach a common understanding.	Info	
3	PM #01	Progress of Work. 3.1 Schedule Progress. CDM Smith present a brief summary of progress, the following items were discussed: <ul style="list-style-type: none"> Regarding the revised baseline schedule, CDM Smith stated that the planned percentage of completion is equal to 21.08 % Vs the actual percentage equal to 19 %. CDM Smith stated that their current activity is the leakage test which will start next Monday. BV stated that CDM Smith have slow rate of progress and shall increase work to overcome the delay.	Info	
		3.2 Operating Conveyance System. BV stated that CDM Smith has the choice to submit their plan regarding the operation of conveyance system and BV will reply accordingly.	Info	
		3.3 Long Lead Items. BV advised CDM Smith to accelerate submission of long lead items list, not limited to, manufacturing data, shipping date etc. CDM Smith stated that they will submit the primary list on Sunday.	CDM Smith	ASAP
			CDM Smith	Sunday March 05, 2015



	PM#26	3.4 Fishing Plan for the Fallen Pump and Well Cleaning. BV reminded CDM Smith to submit their fishing plan for the fallen pump as well as for the well cleaning. CDM Smith stated that they are working with their subcontractor to submit the plan shortly.	CDM Smith Info	ASAP
		3.5 Two Weeks Look Ahead. CDM Smith stated that their plan for the upcoming two weeks will be as following: - Continue working on submittals list. - Finalize the balance tank leakage test. - Start the excavation and concrete works for the living quarter and septic tank and seepage pit.	Info	
4	PM #26	Submittals. 4.1 Revised CPM. BV advised CDM Smith to submit the revised CPM ASAP. CDM Smith stated that they will resubmit the CPM on Monday.	CDM Smith	Monday 09, 2015
		4.2 Post Construction Submittals. BV reminded CDM Smith to submit the outline of the O&M manual at the earliest. CDM Smith in response stated that they are working to submit the outline of the O&M submittal.	CDM Smith CDM Smith	ASAP ASAP
5	PM #01	Financial. 1. Payments. BV urged CDM Smith to submit as built drawings for the completed parts of the project to avoid any contractual consequences for the same. CDM Smith in response stated that they are working to submit the red mark drawings shortly.	CDM Smith CDM Smith	ASAP ASAP
	PM#26	2. Pending VOR's. BV requested from CDM Smith to submit one VOR including all the pending cost saving VOR's. All parties agreed to conduct a coordination meeting on Tuesday to finalize all pending VOR's.	Info Info	Tuesday Mar. 10, 2015
	PM #01	Reports. 6.1 Monthly Report. No issues were reported under this item.	Info	
	PM #01	6.2 Daily Joint Report. No issues were reported under this item.	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #30**

Date:

Thursday, March 05, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

- PWA/WBWD
- USAID
- Black and Veatch
- CDM Smith and Sub-Contractors.

Agenda:

- 1. Safety & Environment.**
 - 1.1 General Site Safety.
- 2. Quality.**
- 3. Progress of Work.**
 - 3.1 Progress Update Summary by CDM Smith.
 - 3.2 Two Weeks Look Ahead.
 - 3.3 Balance Tank Leak Test.
 - 3.4 Operating Conveyance System.
 - 3.5 Long Lead Items.
 - 3.6 Fishing Plan for the Fallen Pump and Well Cleaning.
- 4. Submittals.**
 - 4.1 Revised CPM.
 - 4.2 Construction Submittals.
- 5. Financial.**
- 6. Reports.**
 - 6.1. Daily Joint Reports.
 - 6.2. Monthly Reports.
- 7. Others.**

Subject: Bi-Weekly Progress Meeting #30 Qabatiya Well Pump Station

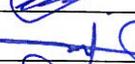
Palestine/Gaza INP II

Venue: Project Primary Office, Alzababdeh, Palestine

Date: March 5, 2015

Time: From 11:00 AM to 12:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Ali odeh	scheduler	CDM	0592997723	odeh.a@cdmsmith.com	
2	Talal Mahasin	QC/QA	CDM Smith	0592997702	mahasint@cdmsmith.com	
3	Abdel Rahman Bakeer	Safety Eng.	CDM Smith	0592-997700	bakeercus@cdmsmith.com	
4	Yousaf Alqam	PM	ABC	0597-088612	Yalqam@a-brouters.com	
5	Ghassan Thaker	TOM	CDM Smith	0592-997701	thakerg@cdmsmith.com	
6	ANAN MABRA	COR	USAID	0505545385	Amabri@USAID.gov	
7	Adnan Safi	CM	BRV	0568930960	SafiA@BRV.com	
8	Abe M Siag	Sr. PM	BRV	0568908746	siaga@brv	
9	Mukhlis Najjireh	PM	BRV	0598934660	najjirehm@brv	
10	Talal Atallah	PM	BRV	0592997706	manjiqT@brv.com	
11	Muhammad Daanul	QA	BRV	0598934662	DaanulM@brv.com	
12	Iman Jarad	O.G	BRV	0592997707	JaradI@brv.com	
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Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #31

Date:

Thursday March 26, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD	USAID	Black and Veatch	CDM Smith and Subcontractors
--	--	Mr. Talal Atallah Mr. Mukhles Najajreh Mr. Murad Daoud Ms. Iman Jaradat	Mr. Ghassan Thaher Mr. Mousa Anbar Mr. Abed Baker Mr. Yousef Alqam Mr. Ali Odeh

Notes Prepared by:

Talal Atallah, Black & Veatch

Purpose:

Bi-weekly Progress Meeting for Qabatiya Well Pump Station and Conveyance System Project– TO 13-00006; aimed to review progress of work, discuss project issues and provide solutions where required.

Abbreviation List:

ASAP: As Soon As Possible, BV: Black and Veatch, DCL: District Coordination Liaison, INFO: Information, CDM: Camp Dresser & McKee, PWA: Palestinian Water Authority, WBWD: West Bank Water Department, USAID: United States Agency for International Development, VOR: Variation Order Request, NCR: Non Compliance Report, PM: Progress Meeting, CM: Coordination Meeting, MOM: Minutes of Meeting, QBW: Qabatiya Well, CO: Contracting Officer, VO: Variation Order, AAUJ: Arab American University Jenin, DJR: Daily Joint Report.



1. Project Key Data:

- Notice of Award April 02, 2013
- Contract Signing April 02, 2013
- Notice to Proceed May 14, 2013
- Project Duration 550 Days
- Modified Project Duration 996 Days
- Project Planned Completion Date November 14, 2014
- Modified Completion Date February 03, 2016
- Project Elapsed Time 682 Days (68.47%)
- Project Planned Overall % of Completion NA
- Project Actual Overall % of Completion NA
- Total Float (Variance Duration) NA

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #31.
- Copy of Project Key Data.
- Two Weeks Look Ahead.

3. Documents Attached:

- Progress Meeting Agenda #31.
- Attendees List.

4. Next Meeting will be rescheduled for a later date.



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM #01	Safety. 1.1 General Site Safety. No issues were reported under this item.	Info	
	PM#29	1.2 Asbestos Sheets Removal Procedure. BV reminded CDM Smith to respond to the email that BV sent regarding the CDM's responsibility for the removal of existing asbestos sheets.	CDM Smith	ASAP
2	PM #01	Quality. 2.1 Asphalt Restoration. BV reminded CDM Smith to submit their plan regarding the restoration of the settlements needed along several locations over the trench area.	CDM Smith	ASAP
		2.2 Submittals. BV requested from CDM Smith to improve the quality of the submitted submittals to comply with the project specs and requirements.	CDM Smith	All Time
3	PM #01	Progress of Work. 3.1 Schedule Progress. CDM Smith present a brief summary of progress, the following items were discussed: <ul style="list-style-type: none"> Regarding the revised baseline schedule, CDM Smith stated that the planned percentage of completion is equal to 21.41 % Vs the actual percentage equal to 18.4 %. BV stated that CDM Smith have slow rate of progress and shall increase work to overcome the delay. 	Info CDM Smith	ASAP
		3.2 Long Lead Items. BV raised the concern regarding the slow progress in submitting the long lead items submittals. Furthermore, BV reminded CDM Smith to accelerate submission of long lead items list. CDM Smith in response stated that they will submit the primary list next week.	Info Info CDM Smith	Next Week
	PM#26	3.3 Fishing Plan for the Fallen Pump and Well Cleaning. BV reminded CDM Smith to submit their fishing plan for the fallen pump as well as for the well cleaning. CDM Smith stated that they are working with their subcontractor to submit the plan shortly.	CDM Smith Info	ASAP
		3.4 Two Weeks Look Ahead. CDM Smith stated that their plan for the upcoming two weeks will be as following: <ul style="list-style-type: none"> Continue working on submittals list. Finalize the balance tank leakage test. 	Info	



		- Start the structural works for the living quarter.		
4	PM #26	<p>Submittals.</p> <p>4.1 Post Construction Submittals.</p> <p>BV reminded CDM Smith to submit the outline of the O&M manual. Meanwhile, BV reminded CDM Smith to submit the As built drawings for all the completed parts of the project.</p> <p>CDM Smith stated that they are working to submit the outline of the O&M submittal next week, and the As built drawings will be submitted shortly.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	<p>Next Week</p> <p>ASAP</p>
5	PM #01	<p>Financial.</p> <p>1. Pending VOR's.</p> <p>BV reminded CDM Smith to submit a VOR that includes all the pending cost saving VOR's.</p>	<p>CDM Smith</p>	<p>ASAP</p>
6	PM #01	<p>Reports.</p> <p>6.1 Monthly Report.</p> <p>No issues were reported under this item.</p>	<p>Info</p>	
	PM #01	<p>6.2 Daily Joint Report.</p> <p>No issues were reported under this item.</p>	<p>Info</p>	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #31**

Date:

Thursday, March 19, 2015

Timing:

11:00 AM – 12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

- PWA/WBWD
- USAID
- Black and Veatch
- CDM Smith and Sub-Contractors.

Agenda:

- 1. Safety & Environment.**
 - 1.1 General Site Safety.
- 2. Quality.**
- 3. Progress of Work.**
 - 3.1 Progress Update Summary by CDM Smith.
 - 3.2 Two Weeks Look Ahead.
 - 3.3 Long Lead Items.
- 4. Submittals.**
 - 4.1 Construction Submittals.
- 5. Financial.**
- 6. Reports.**
 - 6.1. Daily Joint Reports.
 - 6.2. Monthly Reports.
- 7. Others.**

Subject: Bi-Weekly Progress Meeting #31 Qabatiya Well Pump Station

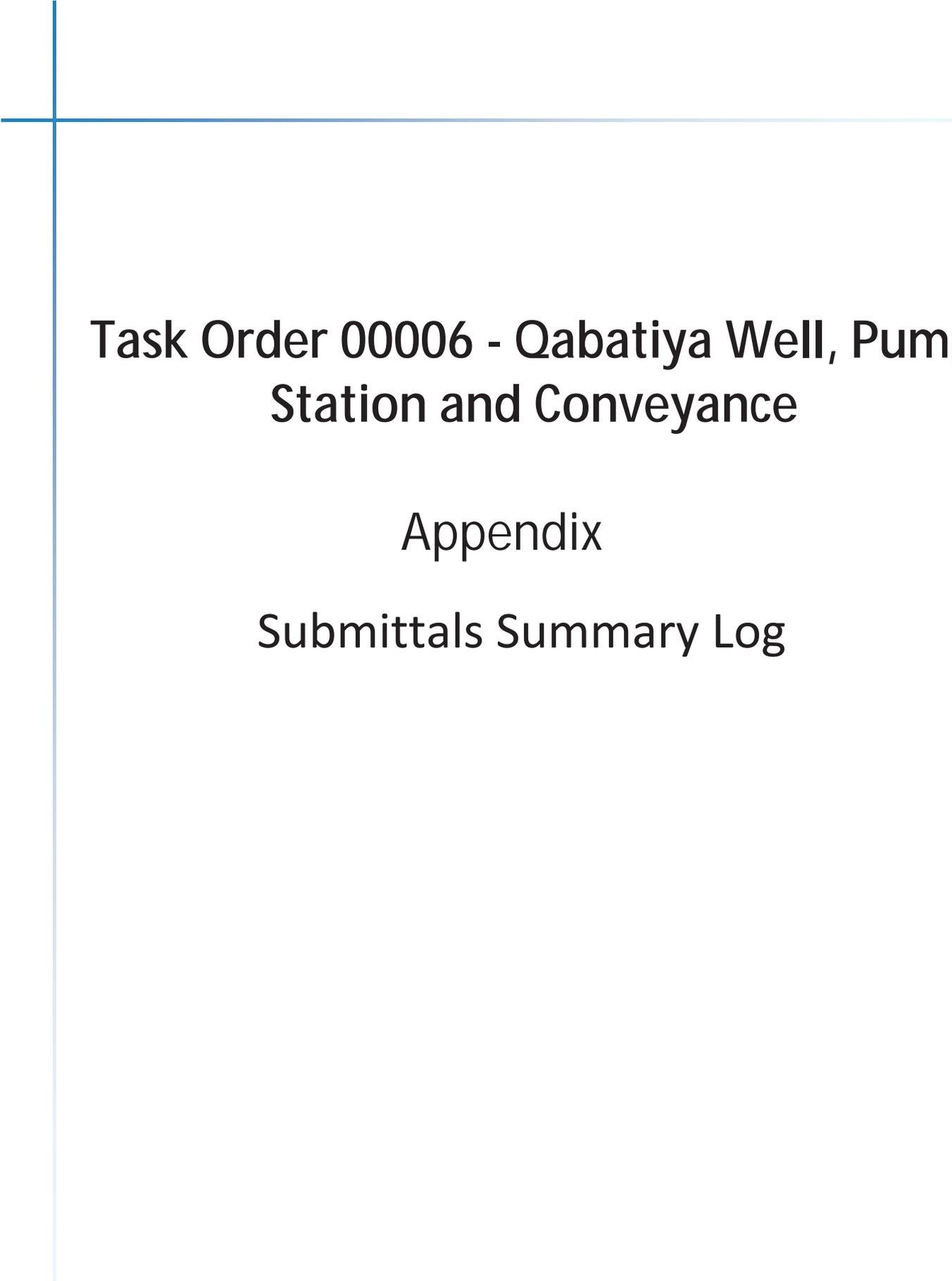
Venue: Project Primary Office, Alzababdeh, Palestine

Date: March 26, 2015

Time: From 11:00 AM to 12:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Mousa Anbar	FFA Manager	CDMSmith	0599556610	anbarMd@cdmsmith.com	
2	Ghassan Thaker	TOM	CDMSmith	05992997701	thakerg@cdmsmith.com	
3	Talal Atallah	P.M	B.V	0592997706	marziqta@bv.com	
4	Muhammad Daoud	QA	B.V	0598934662	DaoudM@bv.com	
5	Muhtes Najjreh	PM	B.V	0598934660		
6	Ali odeh	Sch. & cont.	CDMSmith	0592997723	odeha@cdmsmith.com	
7	Youssef Alyan	PM	ABC	0597088612	Yalyan@al-mothers.com	
8	Abdel Rahman Baker	Safety Eng.	CDMSmith	0592-997700	bakeerar@cdmsmith.com	
9	Iman Jarad	O.G	B.V	0592997707	Jarad.I@bv.com	
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Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Submittals Summary Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-082D	Combination Air Valve for Qabatiya Pump Station	01/03/2015	03/03/2015	A
SUB-13-00006-QBW-104C	Sleeve Type Coupling With Harness(for QBW Pumping Station)	12/03/2015	24/03/2015	B
SUB-13-00006-QBW-112C	Pressure Sustaining Valve	24/03/2015	25/03/2015	B
SUB-13-00006-QBW-133C	Structural Shop Drawing for Septic Tank	04/03/2015	Retracted 8/03/2015	
SUB-13-00006-QBW-133C	Structural Shop Drawing for Septic Tank	08/03/2015	11/03/2015	B
SUB-13-00006-QBW-359B	Method statement for Balance Tank internal Repair and coating	08/03/2015	Retracted 3/9/2015	
SUB-13-00006-QBW-359B	Method statement for Balance Tank internal Repair and coating	08/03/2015	10/03/2015	B
SUB-13-00006-QBW-387C	Testing of Qabatiya 1000m ³ balance tank(water tightness	12/03/2015	15/03/2015	B
SUB-13-00006-QBW-410C	Method Statement for Construction of Septic & Seepage Tanks	04/03/2015	10/03/2015	B
SUB-13-00006-QBW-413B	Well Pump and Associated Equipment	23/03/2015		
SUB-13-00006-QBW-414B	revised CPM Construction Schedule	11/03/2015		
SUB-13-00006-QBW-419A	Coal Tar Epoxy Coating -Nitocote ET550	15/03/2015	19/03/2015	B
SUB-13-00006-QBW-420C	Filter Fabric for Seepage Tank	17/03/2015	30/03/2015	B
SUB-13-00006-QBW-426B	Column Pipes Alternative	29/03/2015		
SUB-13-00006-QBW-429A	Load test Report for Manhole Cover – Kurdieyh Factory /Hebron. Report No.BM/PTIC/15007	09/03/2015	15/03/2015	A
SUB-13-00006-QBW-430B	Structural Shop drawing for Disinfection building	05/03/2015	Retracted 3/16/2015	
SUB-13-00006-QBW-430B	Structural Shop drawing for Disinfection building	16/03/2015	16/03/2015	B
SUB-13-00006-QBW-430C	Structural Shop drawing for Disinfection building	17/03/2015	30/03/2015	B
SUB-13-00006-QBW-431A	Monthly QC\QA and Safety Plan updates for February 2015	01/03/2015	08/03/2015	B
SUB-13-00006-QBW-432A	Monthly update Environmental Monitoring and Mitigation plan for February 2015	01/03/2015	08/03/2015	B
SUB-13-00006-QBW-433A	Up date risk management plan for February 2015	01/03/2015	08/03/2015	B
SUB-13-00006-QBW-434A	Updated Submittal Registry (up to 28 February 2015)	02/03/2015	11/03/2015	B
SUB-13-00006-QBW-435A	Exhaust Fan for the disinfection building	05/03/2015	08/03/2015	A
SUB-13-00006-QBW-436A	Mechanical HVAC shop drawing for Electrical Metering Building	08/03/2015	10/03/2015	B
SUB-13-00006-QBW-437A	Air Conditioning Split Units for Living Quarter & Electrical and Control Building	09/03/2015	11/03/2015	C
SUB-13-00006-QBW-438A	Fiberglass Reinforcement Mesh	10/03/2015	15/03/2015	C
SUB-13-00006-QBW-439A	Mechanical Shop Drawings for Pipe Marker on Transmission Mains	10/03/2015	15/03/2015	B
SUB-13-00006-QBW-440A	Electrical Shop Drawings for Coordination Plan – Electrical Plan	11/03/2015	23/03/2015	C

USAID/West Bank-Gaza-AID-296-TO-13-00006
Qabatiya Well Pump Station Conveyance Pipeline
Submittal Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-441A	Assessment of Foundation Conditions at Four Locations-Qabatiya Well Pump Station	12/03/2015	15/03/2015	A
SUB-13-00006-QBW-442A	Formwork Design and Calculations for the Disinfection Building	17/03/2015	30/03/2015	C
SUB-13-00006-QBW-442B	Formwork Design and Calculations for the Disinfection Building	31/03/2015		
SUB-13-00006-QBW-443A	Formwork Design and Calculations for the Living Quarter	17/03/2015	30/03/2015	C
SUB-13-00006-QBW-443B	Formwork Design and Calculations for the Living Quarter	31/03/2015		
SUB-13-00006-QBW-444A	Fire Alarm System Devices	18/03/2015	30/03/2015	C
SUB-13-00006-QBW-445A	Mechanical Shop Drawings for Disinfection Building	18/03/2015	23/03/2015	C
SUB-13-00006-QBW-445B	Mechanical Shop Drawings for Disinfection Building	31/03/2015		
SUB-13-00006-QBW-446A	Partial Hand over plan for Qabatiya Conveyance system	26/03/2015		
SUB-13-00006-QBW-447A	Orifice plate Calculation	29/03/2015	30/03/2015	B
SUB-13-00006-QBW-448A	Revised Coordinates for Building of Qabatiya pump station	30/03/2015	retracted 31/3/2015	
SUB-13-00006-QBW-448A	Revised Coordinates for Building of Qabatiya pump station	31/03/2015		
SUB-13-00006-QBW-449A	Electrical shop drawing for underground Disinfection building	30/03/2015		
SUB-13-00006-QBW-450A	Booster pumps Manufactures and Material	30/03/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Invoices Log

**USAID WESR BANK/GAZA
INFRASTRUCTURE NEEDS Program
INVOICES LOG SHEET**

January 31, 2015

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station and Conveyance System

Invoice #	Invoiced amount	Cumulative amount	BOQ amount	New BOQ (BOQ & VOs)	Remaining Amount	Date Received by B&V	Invoice Status	COR
1	\$ 261,286.00	\$ 261,286.00	\$ 6,858,760.00	\$ -	\$ 6,597,474.00	7/18/2013	Paid	Anan Masri
2	\$ 64,720.88	\$ 326,006.88	\$ 6,858,760.00	\$ 6,932,686.51	\$ 6,606,679.63	12/1/2013	Paid	Anan Masri
3	\$ 514,208.49	\$ 840,215.37	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,326,950.66	1/19/2014	Paid	Anan Masri
4	\$ 248,893.01	\$ 1,089,108.38	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,078,057.65	3/6/2014	Paid	Anan Masri
5	\$ 139,266.38	\$ 1,228,374.76	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,938,791.27	6/1/2014	Paid	Anan Masri
6	\$ 121,525.77	\$ 1,349,900.53	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,817,265.50	8/20/2014	Paid	Anan Masri
7	\$ 118,835.85	\$ 1,468,736.38	\$ 6,858,760.00	\$ 7,045,989.41	\$ 5,577,253.03	29/10/2014	Paid	Anan Masri

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Request for Information log

USAID Contract No.: AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station And Conveyance System

Request For Information Log

RFI No.	Description	submitted Date to CMC	Date Returned from CMC	Days to complet
RFI-00006-QBW-086	Fire Alarm System	15/03/2015	17/03/2015	2
RFI-00006-QBW-087	Replacement of piping Materials	17/03/2015	30/03/2015	13
RFI-00006-QBW-088	Replacement of Sewage piping Materials	31/03/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Geo MIS logs

**USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. :AID-294-I-00-12-00001**

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station and Conveyance System

Temporay Job Days Summary Report

Task Order Name: To-13-00006

PERIOD FROM: 5/14/2013

Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System

PERIOD TO: 3/31/2015

CONTRACTOR: CDM Smith

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
May	2013	86.88	44.13	0.00	0.00	2.50	133.50	6	
June	2013	125.25	50.88	3.63	0.00	0.00	179.75	8	
July	2013	114.75	44.00	79.25	46.00	16.63	300.63	13	
August	2013	93.38	72.63	0.00	22.00	0.00	188.00	8	
September	2013	127.13	179.00	72.38	32.13	3.75	414.38	17	
Total of FY 2013							1216.25	51	
October	2013	124.63	179.13	88.63	39.13	8.13	439.63	18	
November	2013	101.25	172.63	49.13	36.50	0.00	359.50	15	
December	2013	109.00	164.38	139.25	67.13	0.00	479.75	20	
January	2014	105.13	174.25	205.00	166.88	7.88	659.13	28	
February	2014	102.63	190.00	193.00	211.63	42.13	739.38	31	
March	2014	114.00	207.25	129.50	122.38	21.13	594.25	25	
April	2014	115.50	233.13	78.38	79.13	0.00	506.13	21	
May	2014	105.63	173.38	213.88	112.88	0.00	605.75	25	
June	2014	107.00	150.38	151.13	117.50	6.00	532.00	22	
July	2014	81.50	65.00	16.75	114.88	0.50	278.63	12	
August	2014	112.25	101.50	131.25	216.63	4.13	565.75	24	
September	2014	107.13	78.63	207.88	94.75	4.13	492.50	21	
Total of FY 2014							6252.38	263	
October	2014	84.00	61.50	190.13	184.75	0.00	520.38	21.86	
November	2014	110.75	59.75	195.38	184.75	11.38	562.00	23.61	
December	2014	127.63	50.88	195.38	244.13	5.38	623.38	26.19	
January	2015	95.25	95.13	148.75	69.50	6.88	415.50	17.46	
February	2015	88.38	119.25	41.25	43.50	1.00	293.38	12.33	
March	2015	89.50	159.50	31.38	87.63	9.50	377.50	15.86	

DATE	Name of Contractor /Subcontractor	Site Staff Job Days **																				Man-days*								
		Worker/Classification (Hours)																				Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other				
		Management				Engineers						Skilled labor			Unskilled labor			Other												
Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Manager #1, #2, etc..	Electrical Engineer	Project Engineer	Office Engineer	Quality Control Engineer	Contract Specialist	Civil Engineer	Site Engineer	Survey Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver											
March 24, 2015	Arab Brothers				8			8					8						40	8					3	5	1	6	1	
	Site Group																													
March 25, 2015	CDM Smith	8		8		8	8											8								3	5	1	6	1
	Arab Brothers				8								8						40	8										
	Site Group																													
March 26, 2015	CDM Smith	8		8		8	8											8												
	Arab Brothers				5	5		8					8						5							2.625	5	0.625	1	0.625
	Site Group																													
March 27, 2015	CDM Smith																													
	Arab Brothers																													
	Site Group																													
March 28, 2015	CDM Smith	8		8		8	8											8												
	Arab Brothers				6	6		8						15	6				5	6						2.75	5	2.625	1.625	0.75
	Site Group																													
March 29, 2015	CDM Smith	8		8		8	8											8												
	Arab Brothers				8	8		8						15	8				16	8										
	Site Group																													
March 30, 2015	CDM Smith	8		8		8	8											8												
	Arab Brothers				8	8		8											16											
	Site Group																													
March 31, 2015	CDM Smith	8		8		8	8											8												
	Arab Brothers				8	8		8						8					16	8										
	Site Group																													
Total of Month		200.00	112.00	216.00	188.00	379.00	224.00	208.00	0.00	0.00	216.00	0.00	49.00	200.00	0.00	118.00	133.00	0.00	224.00	477.00	76.00	0.00		89.50	159.50	31.38	87.63	9.50		

* Total Man-days = Total Hours / 8

** This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

Electrical Engineer:(Telecomm Department Director,TS&CC Director, Solution Engineer, Senior Software Engineer)

Skilled Labor: Senior Project Technician

Skilled Labor : Certified welding Inspector, Welder's assistant.

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Inspection Request Log

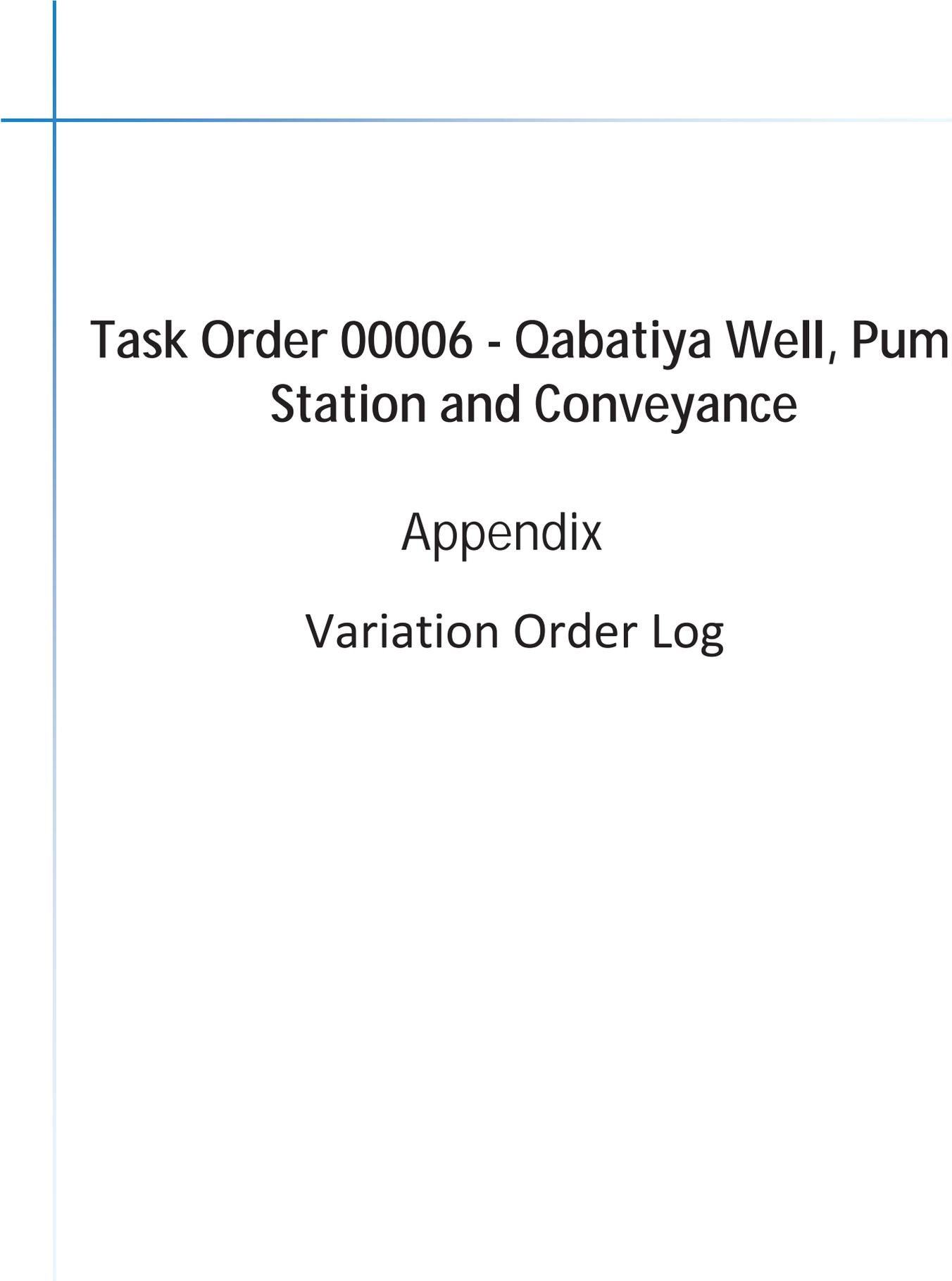
USAID Contract No.: AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station And Conveyance System

Inspection Request

IR No.	Description	submitted Date to CMC	Inspection Date	Degree
IR-1300006-QBW-242B	Surface finishing works inside both compartments of the balance tank prior to filling water for water-tightness test and internal epoxy coating	10/03/2015	11/03/2015	A
IR-1300006-QBW-244A	Inspection for Electromagnetic flow Meter (GSM) for Qabatiya Conveyance system as per the attached delivery ticket and certificate.	02/03/2015	03/03/2015	A
IR-1300006-QBW-245A	Inspection for delivered precast rings for seepage pit	15/03/2015	16/03/2015	A
IR-1300006-QBW-246A	Inspection of excavation level under the living quarter foundation prior to applying rockfill	10/03/2015	19/03/2015	C
IR-1300006-QBW-246B	Inspection of excavation level under the living quarter foundation prior to applying rockfill	19/03/2015	23/03/2015	A
IR-1300006-QBW-247A	Inspection of excavation level under the disinfection building foundation prior to applying rockfill	23/03/2015	23/03/2015	A
IR-1300006-QBW-248A	Inspection for the monthly environmental check list for February 2015	24/03/2015	24/03/2015	A
IR-1300006-QBW-249A	inspection of initial water level inside the western compartment of the balance tank as part of the leakage test procedure	24/03/2015	25/03/2015	C
IR-1300006-QBW-250A	inspection of the levels for the bottom of the foundations of both living quarter and disinfection building and the markings for the centerlines of exterior walls for same.	26/03/2015	29/03/2015	C
IR-1300006-QBW-251A	inspection of 25 and 50mm PN-16,U-PVC pipes to be used in the duct banks of the disinfection building and living quarter	29/03/2015	29/03/2015	A



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Variation Order Log

USAID Contract No.: AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well, Pump Station and Conveyance System

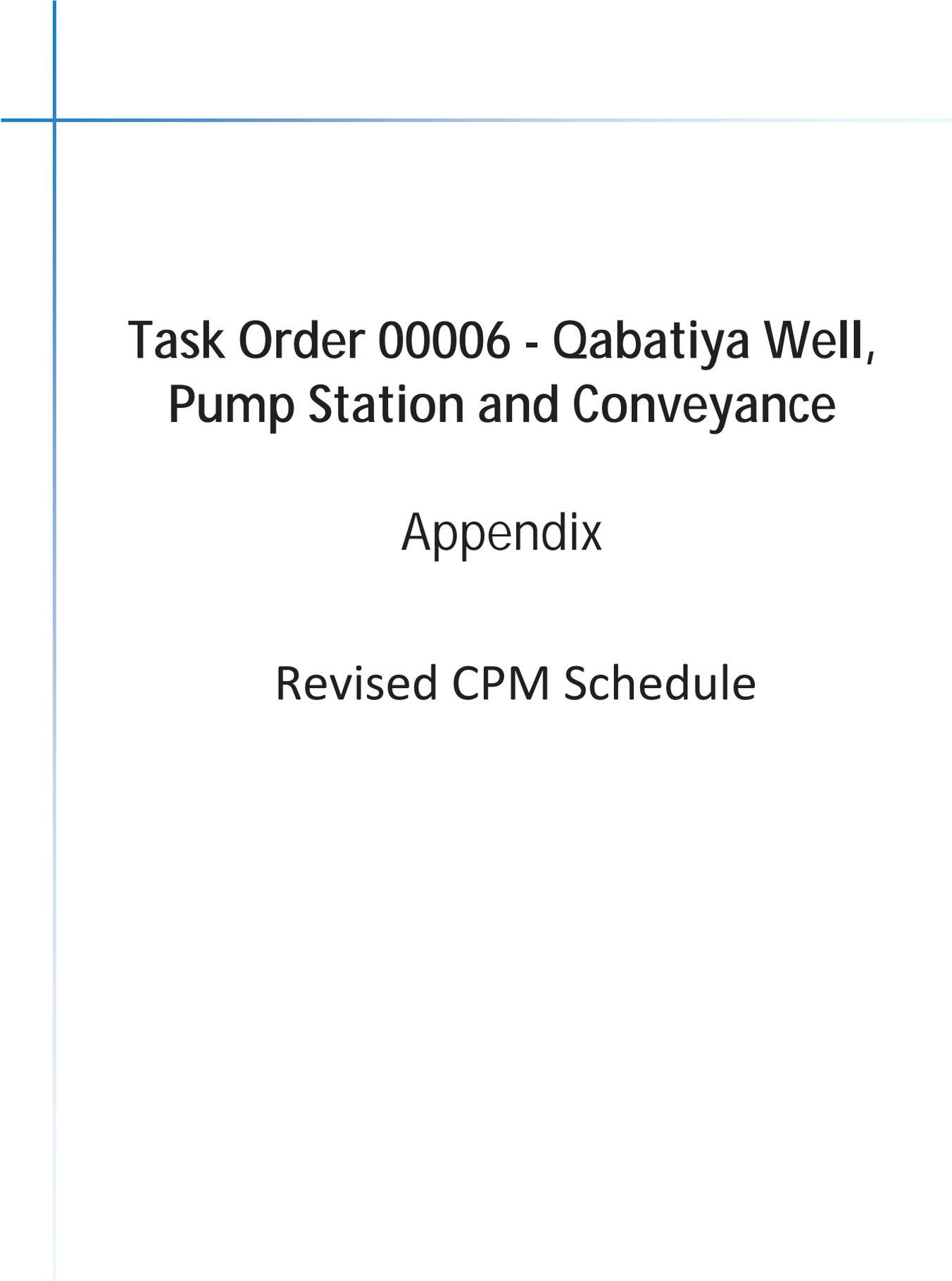
Variation Order Log

VO NO.	Description	Submitted Date to CMC	Date Returned from CMC
VO-00006-QBW-001	Time Extention	9/9/2013	9/20/2013
VO-00006-QBW-002	Roackfill layer Under the Balancing tank	10/9/2013	10/30/2013
VO-00006-QBW-003	Construction of Retaining Wall around the Balancing Tank	11/26/2013	12/3/2013
VO-00006-QBW-004	Substitution of Pipe Zone Backfill material (Bedding Materials), Mechanical Changes in the Conveyance Pipeline Connection Chambers, Change the staging Area, Change in the Mobilization and New Definitive Project Quantities	08/24/2014	20/10/2014
VO-00006-QBW-005	Modification No.1	12/17/2014	12/22/2014

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix Equipment List

USAID Contract No.: AID-294-I-00-12-00001			
Task Order No.: AID-294-TO-13-00006			
Qabatiaya Well Pump Station And Conveyqance System			
Equipment List- March 2015			
Backhoe	01/03/2015	JCB	2011
Truck	01/03/2015	Mercedes	1974
Backhoe	03/03/2015	JCB	2011
Backhoe	04/03/2015	JCB	2011
Welding Machine	04/03/2015		
Backhoe	07/03/2015	JCB	2011
Backhoe	09/03/2015	JCB	2011
Welding Machine	09/03/2015		
Backhoe	11/03/2015	JCB	2011
Truck	11/03/2015	Mercedes	1974
Backhoe	14/03/2015	JCB	2011
Truck	14/03/2015	Mercedes	1974
Backhoe	17/03/2015	JCB	2011
Winch	17/03/2015	Mercedes	1974
Backhoe	18/03/2015	JCB	2011
Truck	18/03/2015	Mercedes	1974
Backhoe	19/03/2015	JCB	2011
Truck	19/03/2015	Mercedes	1974
Backhoe	22/03/2015	JCB	2011
Truck	22/03/2015	Mercedes	1974
Backhoe	23/03/2015	JCB	2011
Truck	23/03/2015	Mercedes	1974
Backhoe	24/03/2015	JCB	2011
Truck	24/03/2015	Mercedes	1974
Backhoe	25/03/2015	JCB	2011
Concrete Pump	25/03/2015	Volvo	2010
Concrete Mixer	25/03/2015	DAF	1998

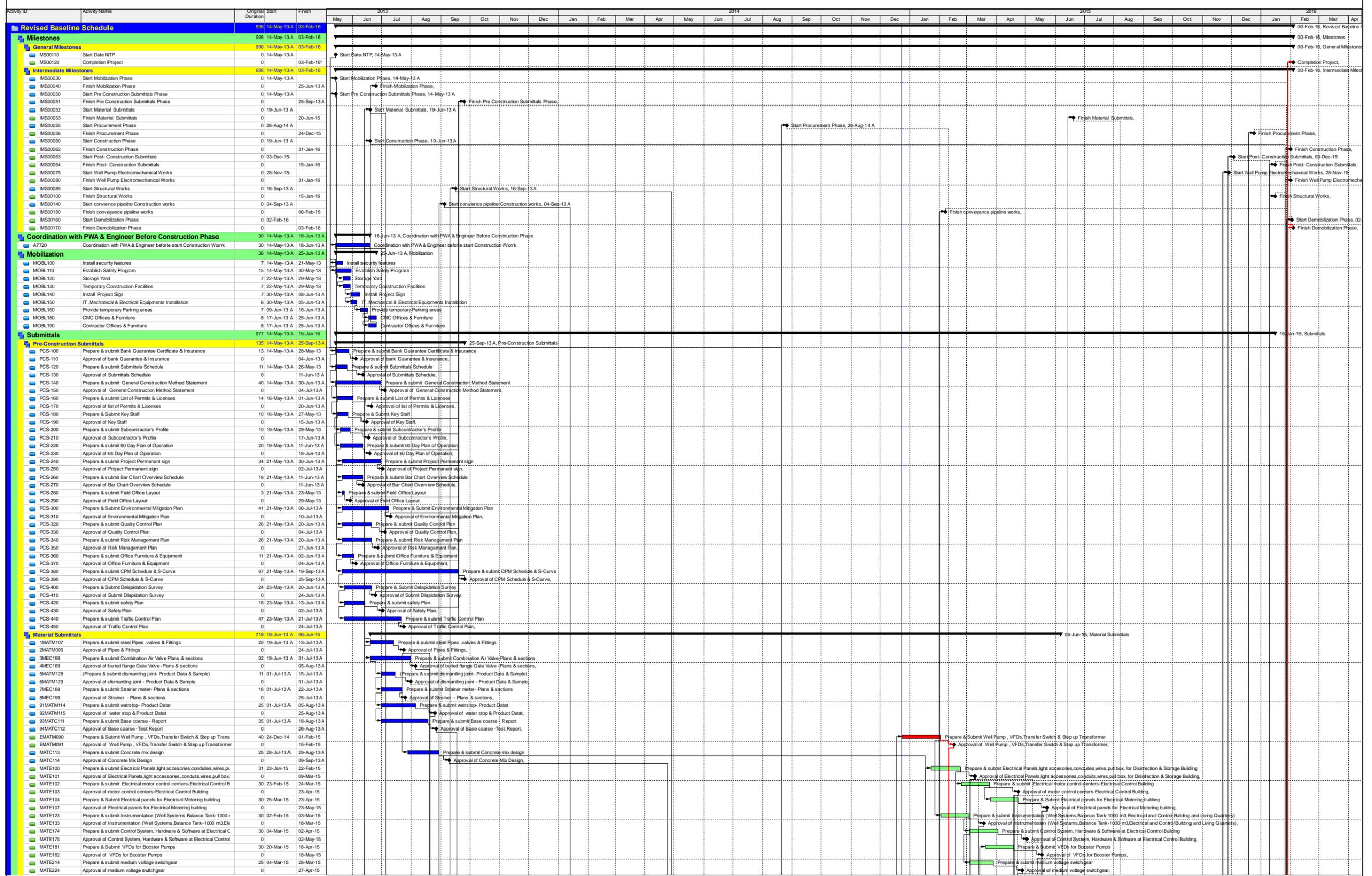


Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

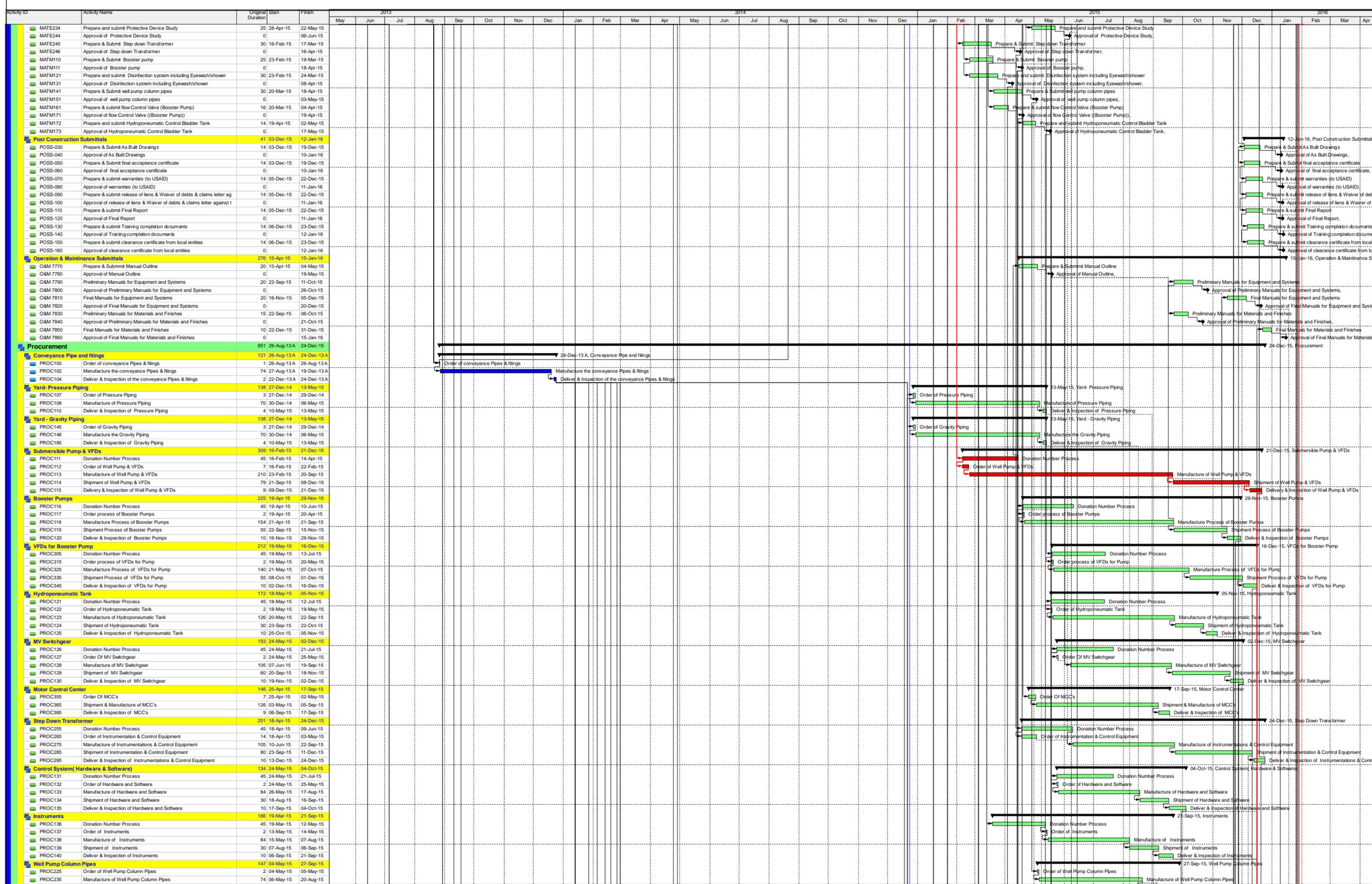
Revised CPM Schedule

Revised Baseline Schedule



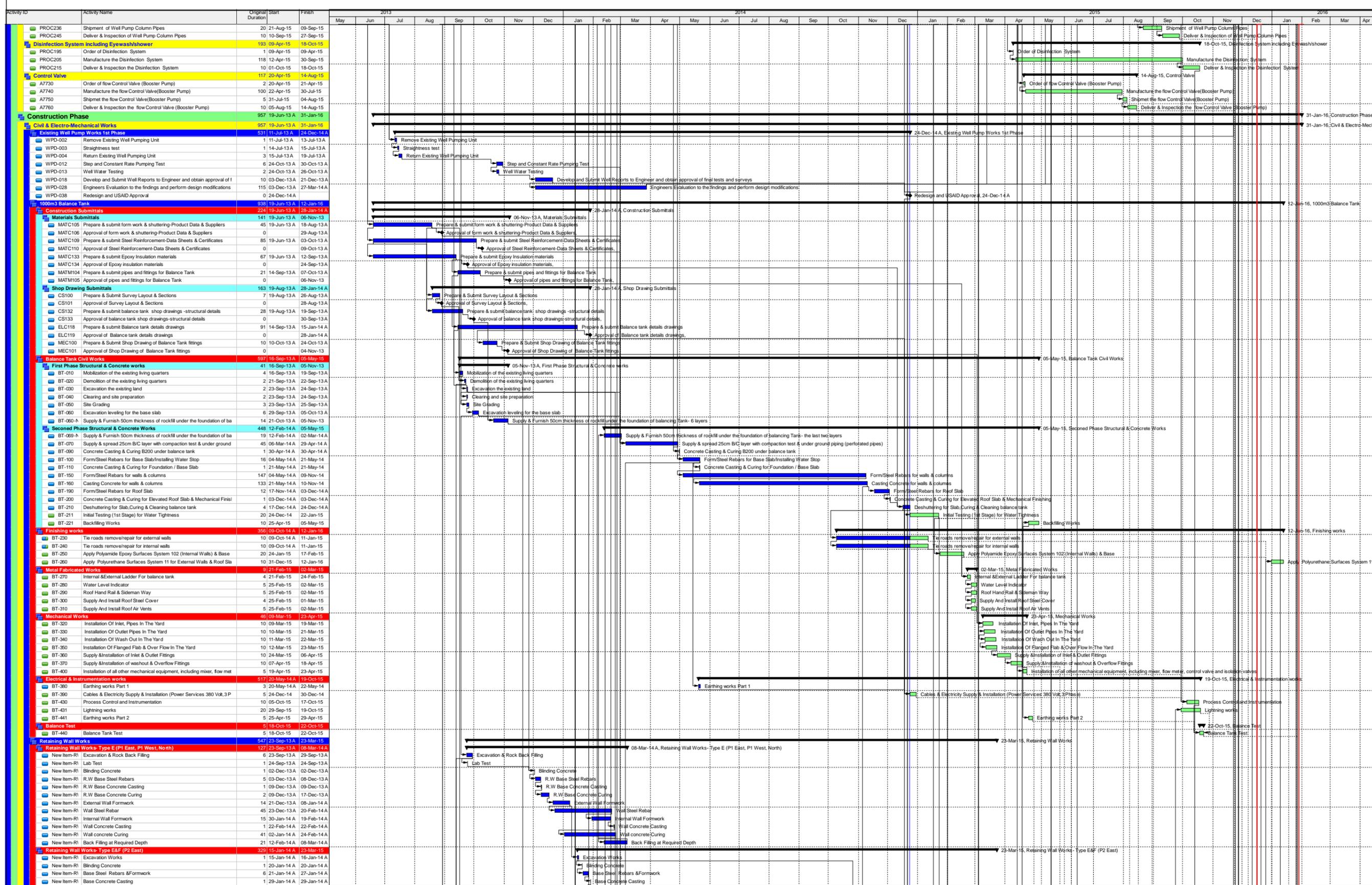
█ Actual Level of Effort █ Remaining Work ◆ Milestone
█ Actual Work █ Critical Remaining Work ▶ summary

Revised Baseline Schedule



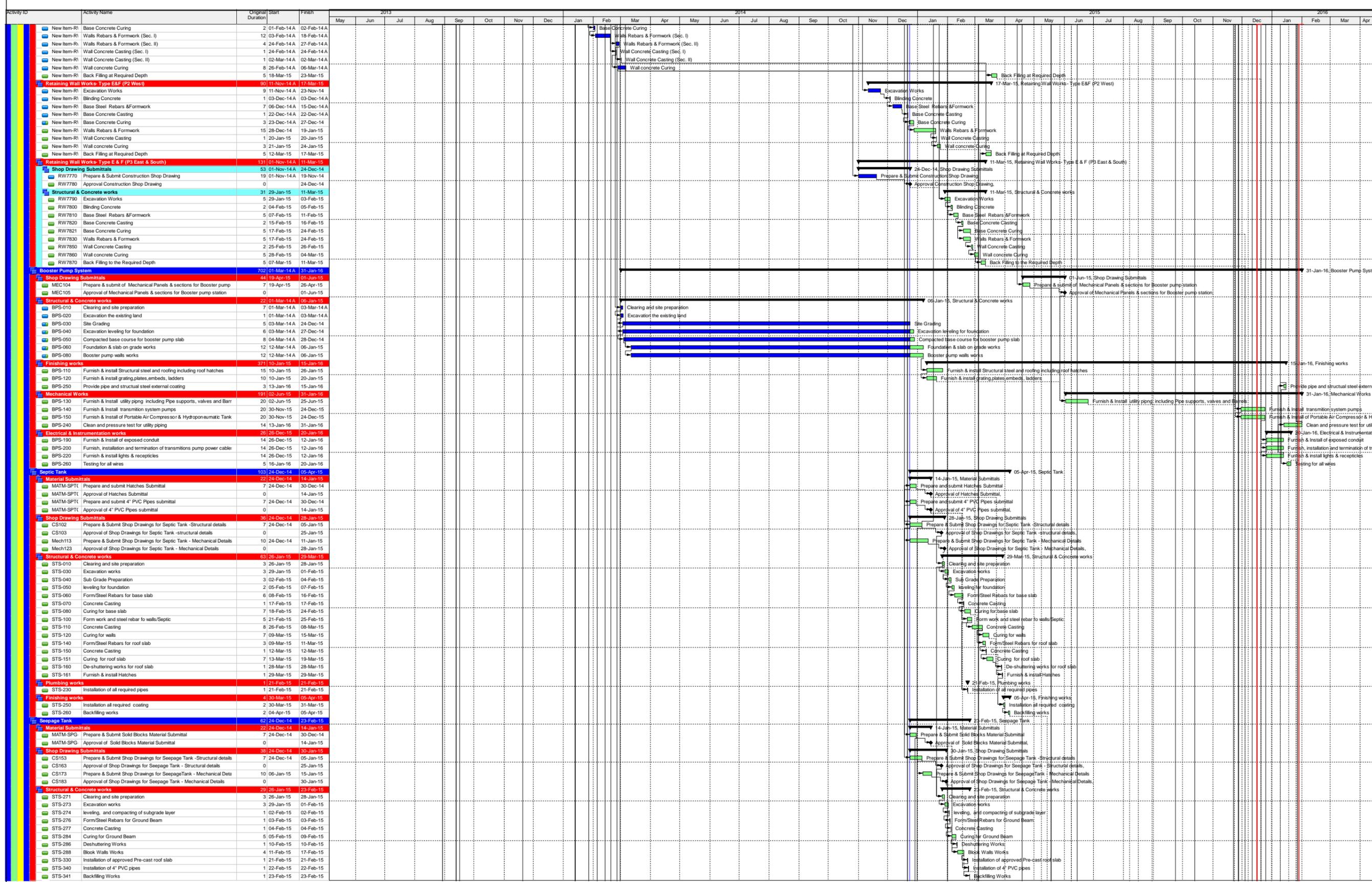
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary

Revised Baseline Schedule



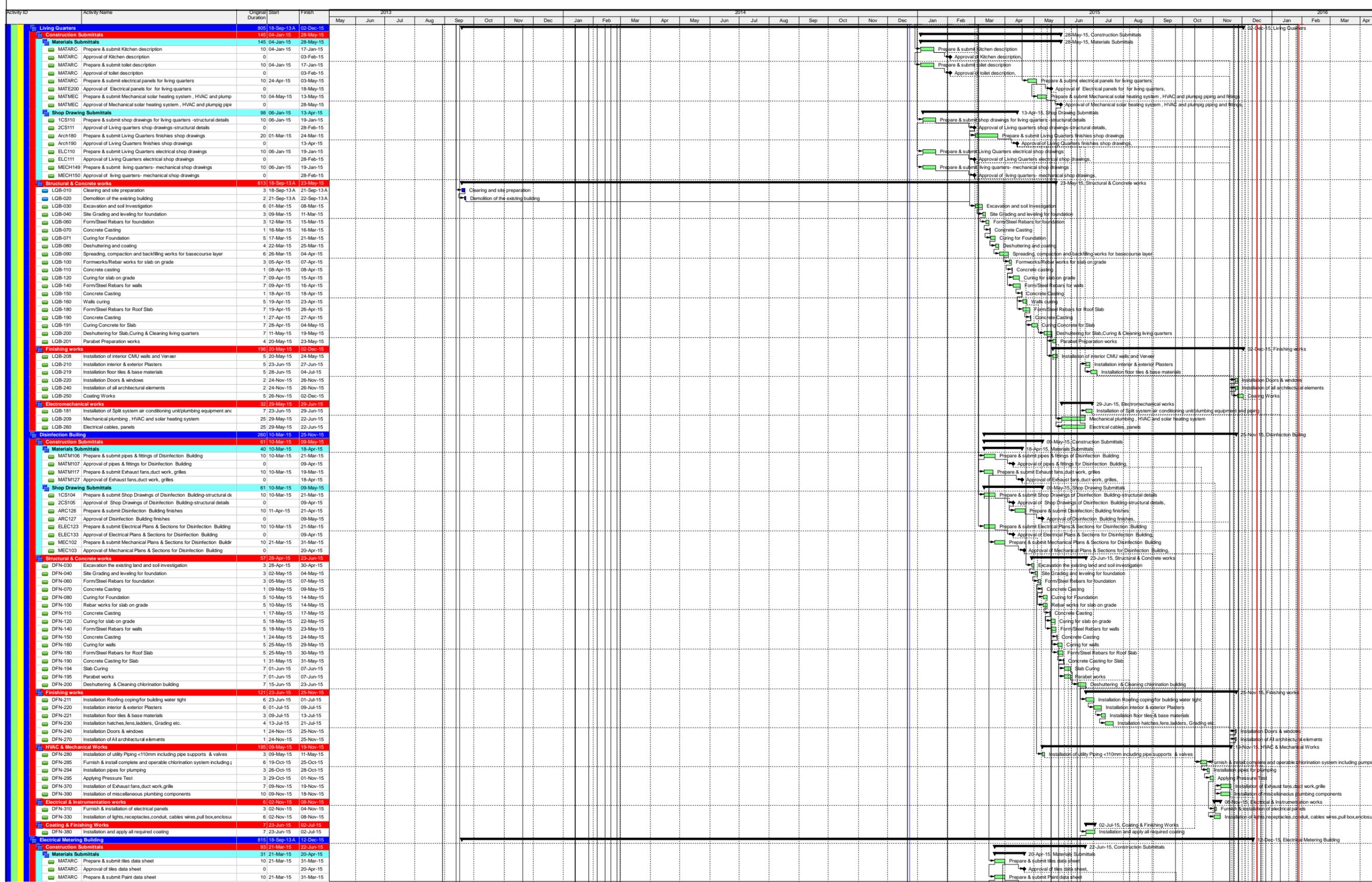
█ Actual Level of Effort █ Remaining Work ◆ Milestone
█ Actual Work █ Critical Remaining Work ◆ summary

Revised Baseline Schedule



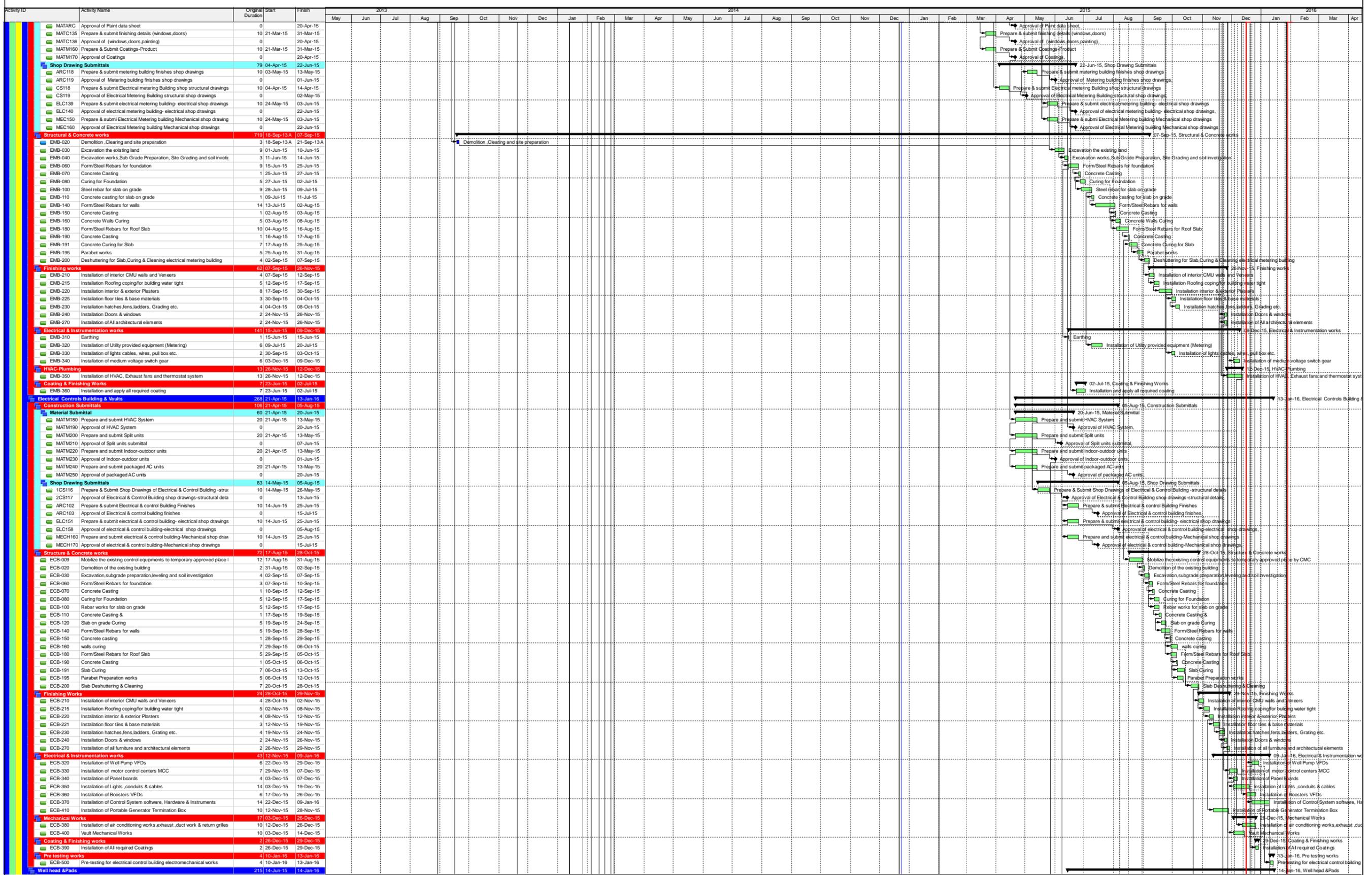
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary

Revised Baseline Schedule



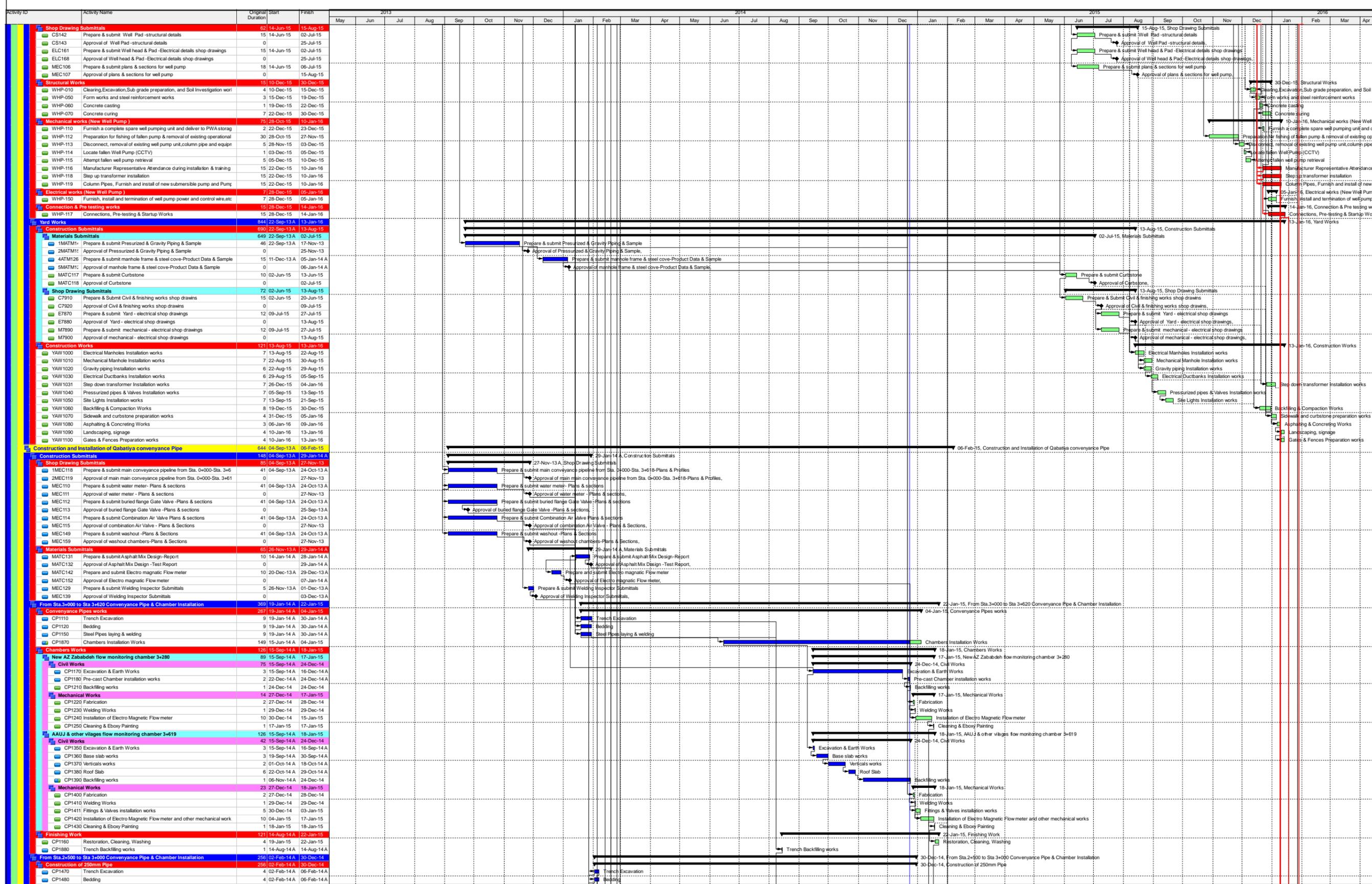
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary

Revised Baseline Schedule



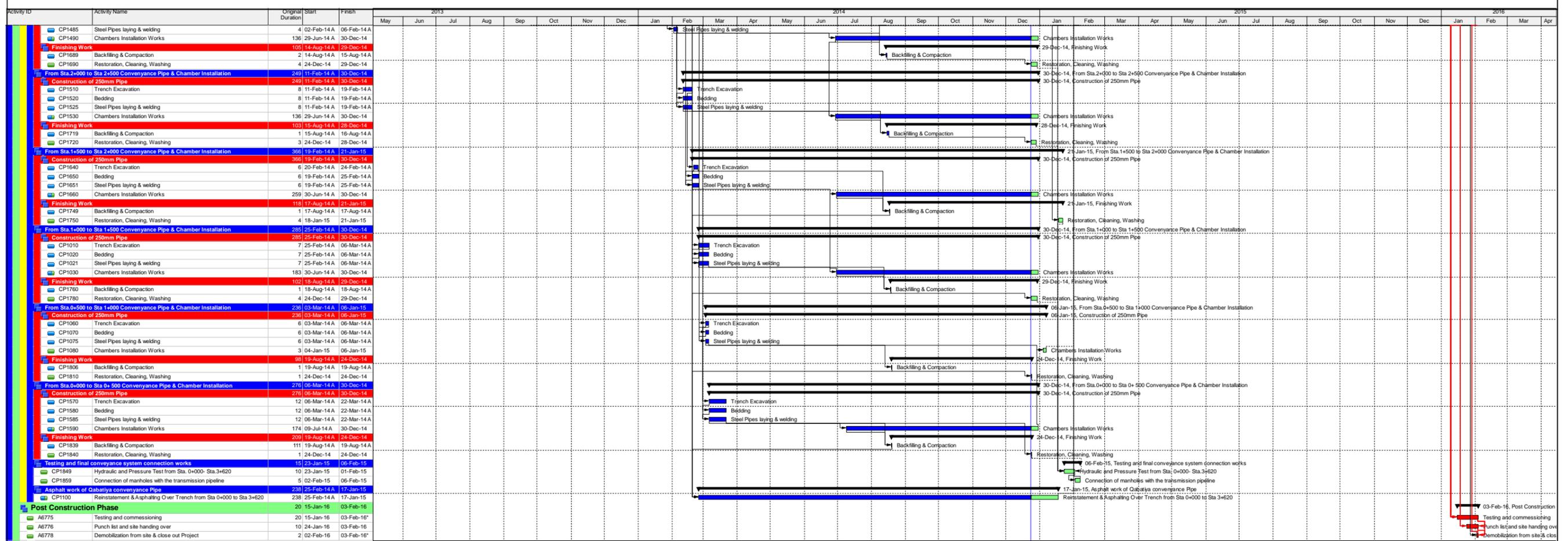
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
█ Critical Remaining Work
 ↗ summary

Revised Baseline Schedule



█ Actual Level of Effort █ Remaining Work ◆ Milestone
█ Actual Work █ Critical Remaining Work ◆ summary

Revised Baseline Schedule



█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary