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WEST BANK/GAZA

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

Monthly Progress Report # 28

For the Month of September 2015

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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.28 covers activities accomplished during the month of September 2015 and previews activities anticipated during the next month, October 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	Planned Start Actual Start	Planned Finish Actual Finish
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>25 June 2013</u> 25 June 2013
Submittals	77%	<u>14 May 2013</u> 14 May 2013	<u>15 January 2016</u> TBD
Procurement and Delivery	50%	<u>26 August 2013</u> 26 August 2013	<u>24 December 2015</u> TBD
Construction Phase	16.76%	<u>19 June 2013</u> 19 June 2013	<u>31 January 2016</u> TBD
Post Construction Phase	0%	<u>15 January 2016</u> TBD	<u>3 February 2016</u> TBD



1.4 Key Information

Contract Number:	AID-294-I-00-12-00001
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:	\$ 10,705,504.02
Day Work Modified Amount:	\$ 4,490.98

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-eighth 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 is preparing invoice No. 9. The following table is a summary of the current invoice status.

New BOQ Amount	\$10,705,504.02
New Day Works	\$4,490.98
Amount Obligated	\$10,709,995.00
Variation Orders/ Modification Amount	\$3,846,744.02
Task Order Amount (BOQ +DW)	\$10,709,995.00
Most Recent Invoice	\$246,975.61
Invoiced to Date	\$1,715,711.99



2.3. Staff Information

At the end of this reporting period, 30TH September 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
Renad Nafee	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 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. Mr. Connors arrived to West Bank on September 2ND, 2015 and attended the bi-weekly meeting # 38 held at BV’s primary field office on September 3RD, 2015. Mr. Connors left West Bank on Friday – September 4TH, 2015. 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 performed water tightness test of the balance tank for the



western compartment the test is completed. The metal works of the BT are ongoing. Finishing works for the living quarter and chlorination building are ongoing. Casting concrete for the edge foundations of both electrical & control and electrical metering buildings is completed. Construction of the remaining segment of the eastern retaining wall is completed.

Construction submittals continued during this reporting period. Some of the main construction submittals during this reporting period are listed hereunder and 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:
 - Samples of Aluminum Window and Accessories (resubmittal);
 - Shop drawing for structural details of transformer pad (resubmittal);
 - Sample of window screen (resubmittal);
 - Sample of floor drain;
 - Degree of compaction test (field density) for the substrata of the electrical metering building and electrical and control building – Reports Ref. Nos. : M/1508/417 & M/1505/417a;
 - PLC shop drawings - Qabatiya PLC V1.1 –CL;
 - MCC Shop drawings - Qabatiya MCC V1.1 –CL;
 - MTS Shop Drawings – Qabatiya MTS V1.1 CL;
 - Qabatiya Chlorination Panel Shop Drawings ;
 - Qabatiya Indicator Panel Shop Drawings;
 - Welding Visual Inspection Report for the welded joints at Qabatiya Pump Station (Yard piping, overflow and inlet) - Partial 1;
 - Monthly QA/QC and Safety Plans Updates for August 2015;
 - Sample for glazing-glass for Aluminum Windows;
 - Updated Risk Management Plan for August 2015;
 - Monthly updates for environmental monitoring and mitigation plan for August 2015;
 - Factory Witness Test (at Baker Hughes) and Mill Certificate of Well Pump Material ;
 - Diaphragm Seals for Pressure Measuring Systems (resubmittal);
 - Electrical panel boards (resubmittal);
 - Test report on concrete compressive strength for plastering mortar of the chlorination building -(28-day result)Ref: M/1507/266a;
 - Test report on concrete compressive strength for plastering mortar of the living quarter (brown coat) – (07-day result). Report Ref. M/1508/284;
 - Alternative source for precast electrical manholes (Addasi Company) – retracted;
 - Shop drawing for wall tiling for the chlorination building;
 - Test report on concrete compressive strength for pipe encasement at the well site (Zakarneh Trial Mix) -(07-day result) - Ref: M/1508/418;
 - Tubing &fitting for chlorination system (resubmittal);
 - Degree of compaction test (field density) for the base course layer under electrical & control building and electrical metering building – Report Ref. No.: M/1509/67 – Date of sampling Sep 5, 2015;



- Sample of ceramic wall tiles for the chlorination building;
- Portable Air Compressor;
- Structural shop drawing for fence wall- southern part (resubmittal);
- Backflow Preventer – BFP-525 (resubmittal);
- Ceramic Tiles for floor of disinfection building – Alternative;
- Shop Drawing & Structural Calculations for Underground Electrical Manholes (Addasi Co.) – retracted;
- Sample of L-frame for Checkered Plate Covers;
- Sample of Window Louvers for the Chlorination Building;
- Amerlock 400C - Alternative Protective Coating for Internal Walls of Balance Tank;
- Solar Collection System;
- Work Plan For Removing, Handling, Storing and Proper Disposal Of The Existing Asbestos Sheets;
- Architectural shop drawing for kitchen cabinet (resubmittal);
- Structural details for Cast-in-situ Electrical Manholes;
- Double-Walled Corrugated Pipes - $\Phi 110$ mm (to be used as a connection conduit for electrical cables outside the electrical manholes and existing electrical tower);
- Shop drawing for structural details of well pump pad (submitted on 15 September, 2015 and retracted on 17 September, 2015);
- Mechanical shop drawing for blow off pit piping;
- Concrete mix design (Zakarneh ready mix plant)-report Ref. No: M/1507/201a - 28 day result (resubmittal);
- Preliminary Operation & Maintenance Manual Outline for Qabatiya Well Pump Station (resubmittal);
- Test report on concrete compressive strength for foundation of electrical control building - (07-day result) - Ref: M/1509/178;
- Test report on concrete compressive strength for the external walls of the chlorination building - (07-day result). Ref: M/1507/62 (resubmittal);
- Test report on concrete compressive strength for the elevated slab of chlorination building - (07-day result). Ref: M/1507/135 (resubmittal);
- Test report on concrete compressive strength for plastering mortar of the living quarter (brown coat) – (28-day result). Report Ref. M/1508/284a;
- Test report on concrete compressive strength for electrical duct bank – (07-day result). Report Ref. M/1509/128;
- Test report on concrete compressive strength for foundation of remaining segment of eastern RW – (07-day result). Report Ref. M/1509/ 127;
- Bituminous Roof Membranes (Primer GS/474) and Architectural shop drawing for Roof Insulation Of QBW Buildings (retracted on Sep 28, 2015);
- Electrical Chemical Feed Pump (Metering) Pump –Alternative;
- Coordination Drawing for underground works / mechanical & electrical (resubmittal);
- Shop Drawing for Electrical Manholes & Duct Banks for QBW Site (resubmittal);
- Shop drawing for main gate for the well site (resubmittal);
- Automatic Air Release Valve for High-Pressure Systems (A.R.I. S-015) –resubmittal;
- Fire Alarm System Devices;
- Alternative source for precast electrical manholes (Addasi Company) and Shop Drawing & Structural Calculations for Underground Electrical Manholes (Addasi Co.);
- Sample of adjustable jack support for steel pipes at Qabatiya Pump Station (submitted on Sep 30, 2015 and retracted on Oct 1, 2015);



- Test report on concrete compressive strength for pipe encasement at the well site (Zakarneh Trial Mix) -(28-day result) - Ref: M/1508/418a;
- Mechanical shop drawing for outside emergency eyewash piping.

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.

The total cumulative generated Man-Days previously 11640.88

The total cumulative generated Man-Days current period 463.25

The total cumulative generated Man-Days up to date are 12.104.13

Female employment generated previously 579.125

Female employment generated current period 22

Female employment generated up to date is 601.125

The total cumulative previously 12220.01

The total cumulative current period 485.25

The total cumulative up to date is 12.705.26

3.2.2. Project Beneficiaries

Total number of Beneficiaries is 78,140:

- 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

Equipment List used during the reporting period is attached in the Appendix.

3.3. Meetings and Correspondence with USAID

- No CO meetings held during this reporting period.

3.4. Meetings and Correspondence with CMC and Subcontractors



- Thursday – September 03, 2015 – A technical coordination meeting was held between ABC top management and CDM Smith’s senior project manager (Mr. Kevin Connors) to discuss some pending material submittals construction activities being executed at the well site and the conveyance system.
- Thursday – September 03, 2015 – Bi-weekly meeting #38 was held at Engineer’s primary field office between USAID, BV and CDM Smith. A senior CDM Smith USA office (Mr. Kevin Connors) attended the meeting.
- Sunday – September 13, 2015 – Technical coordination meeting between CDM Smith and ABC.
- Wednesday – September 16, 2015 - Field coordination meeting between BV, CDM Smith, WBWD and ABC at the well site to discuss the possible available access to start the construction activity near the balance tank / at the proposed location for booster station.
- Thursday – September 17, 2015 – Bi-weekly meeting # 39 was held at Engineer’s Primary Field Office.
- Sunday – September 20, 2015 – A technical coordination meeting was held with ABC to discuss the equipment test plant and expected dates to carry out the factory witness test for locally procured valves and/or equipment.

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 were issued for all long lead items and equipment; control system (hardware & software), motor control center, medium voltage Switch gear, column pipes and access monitoring PVC pipes, padmount transformer, hydro-pneumatic surge tank, VFDs for booster pumps, vertical turbine booster pumps, vertical turbine deep well submersible pump and disinfection system including eyewash/shower.

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 this reporting period – on September 22, 2015- CDM Smith’s QC/QA Manager and ABC’s project manager visited Zakarneh Batch Plant to check and discuss the issue of cement shortage in the local market.

Moreover; CDM Smith’s QC/QA Manager coordinated a site visit by HC lab technician to:

- Collect samples of base course material delivered to QBW site to carry out the required compressive tests and/or analysis as per project’s contract documents (September 02, 2015);
- Collect samples of compacted base course under the electrical metering and electrical control buildings (September 05, 2015);
- Collect samples of concrete cubes to perform the required concrete tests related to the electrical and control building – edge foundation (September 12, 2015).



- Collect samples of concrete cubes to perform the required concrete tests for the edge foundation of the electrical metering building and the remaining part of the eastern retaining wall (September 28, 2015).

On Saturday – September 05, 2015 CDM Smith’s QC/QA manager attended the 7-day concrete test for the trial mix of Zakarneh at HCL premises.

Moreover, the CDM Smith’s Quality Control Manager continued follow up inspection requests procedures and made sure that the three-phase inspection as well as the MRR (material receiving report) is being successfully implemented.

In addition to that, CDM Smith’s Quality Control Manager made sure that all materials and material’s sample delivered and /or submitted to CMC are in line with Contract’s documents and specifications.

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 meeting in September 07, 2015 in order to reviewing the labors For Safety Regulations and emergency Numbers.

Notice of Unsafe Conditions (NUC-004) was issued by CMC on September 15, 2015. CDM Smith with Subcontractor ABC had immediately taken all necessary actions and corrective measures within 24 hours to close out the report and resume the work again in safe conditions. The NUC004 correction report was officially submitted on Sep, 17, 2015 and accepted on Sep. 17, 2015.

CDM smith’s safety Engineer conducted Toolbox meeting in September 16, 2015 in order to updating the labors For Safety Regulations and Lesson learned at QWPS.

CDM smith’s safety Engineer conducted Toolbox meeting in September 29, 2015 in order to reviewing the labors For Safety Regulations at QWPS.

CDM Smith safety Engineer had prepared specific confined space entry plan to cover all construction activities inside balancing tank such as epoxy paint (which is the most critical activity), ladder fixing, electromechanical works, cleaning, etc... The plan considering all expected hazard and obligation that will face the team who will work in confined space.

CDM Smith and Subcontractor ABC had started to implement all needed safety requirement according to the approved safety plan (SUB-13-00006-QBW-369C).



CDM Smith safety Engineer will train the labors and the team who will enter confined space in balancing tank, and he will present the Emergency Procedures for the employees and the laborers of ABC and their second tier subcontractor on daily basis. This will be done in order to make sure that all of them are familiar with the project emergency procedures, and how they can use the fire extinguishers and take all required steps in case of, injury, fire, evacuation, or other emergency situations. CDM Smith safety Engineer will make sure that all required safety as well as emergency, tools and equipment are available on site and can be easily reached.

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 has been extended and more utilities will be constructed. They continuously flowing up the housekeeping and provide the needed signs, PPE, safety tools and first aid for the site, moreover comfortable satire to balance tank roof slab has been constructed.

Lesson learned 1

Use of proper PPE = Protection from more serious injury or death

Lesson learned 2

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

Lesson learned 3

Updating the labors with safety regulations = will reduce a/o prevent incident.

Despite that conveyance system has been almost completed and the works are 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 for training and updating the labors.
- Periodic check of safety tools and equipment.
- Apply safety measures and mitigation plans.



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).

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

Updated CPM Schedule till end of September 2015 attached. Below is a summary of the project percentages of completion based on the latest updated schedule up to 30th September 2015, more accurate percentages and float will automatically be generated from the approved revised schedule that will reflect all the changes under variation order No. 6 and 7

A revised baseline schedule will be submitted to cover all changes mentioned in variation order No.6 and variation order No.7, during the next reporting period.

Performance % Complete =	21.78 %
Schedule % Complete=	29.69 %
Float =	-30 Days

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 prepared Invoice No. 9 and ready for submission .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 October 2015

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



October 2015:

- Continue construction works of the electrical buildings (metering and electrical & Control).
- Continue the finishing works of the living quarter and chlorination building. Continue submitting all required shop-drawings, submittals and requests to allow proceeding with the works at the well site.
- Finalizing installation of the metal works for the balancing tank.
- Continue working on Partial Handover for Qabatiya Conveyance System taking into consideration all CMC's comments and/or instructions.
- Continue the electrical duct works in the yard.
- Continue backfill around the balance tank and behind the retaining walls
- Construction of the remaining walls.
- Starting the epoxy paint inside the tank.

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 CO meeting is scheduled..

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

No issues at this time.

6.3 Qabatiya Well Site

Procurement of major (long lead) items. Performing construction activities on an operational well (minimize down time for the well).



6.4 Others

No other issues at this time.

7 APPENDIX

- Photos
- Meeting Minutes
- Submittals summary table
- Invoices log
- Geo MIS logs
- Inspection Request Log
- Equipment List
- Risks and Mitigation Measures
- Updated CPM Schedule

END OF REPORT

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Task Order 00006 Photos



USAID | WEST BANK/GAZA



Applying & compacting rockfill below the foundations of Electrical Metering & Electrical Control Buildings , 01 September 2015



Applying & compacting basecourse below the foundations of Electrical Metering & Electrical Control Buildings , 02 September 2015



Tiling works for the Living Quarter , 02 September 2015



Welding of balance tank washout pipes and fittings, 03 September 2015



HCL technician collecting basecourse samples for field density test, 05 September 2015



Installation of steel reinforcement bars for the underground electrical duct banks , 06 September 2015



Installation of UPVC pipes for underground electrical duct banks , 07 September 2015



Safety toolbox meeting at Qabatiya Pump Station, 07 September 2015



CWI supervising the welding of underground inlet pipes and fittings for balance tank , 07 September 2015



Casting concrete over UPVC pipes of electrical duct banks, 07 September 2015



Formwork and steel reinforcement for foundations of Electrical Control Building, 09 September 2015



Casting concrete for the foundation of Electrical Control Building , 12 September 2015



HCL technician performing air content test for delivered concrete , 12 September 2015



Formwork for the foundation of Electrical Metering Building, 14 September 2015



Formwork & steel reinforcement for the foundation of Electrical Metering Building , 15 September 2015



Building concrete block as false formwork for electrical trenches of the Electrical Control Building , 16 September 2015



Steel reinforcement for the remaining part of eastern retaining wall , 17 September 2015



Installation of galvanized steel strip for earthing system of Electrical Metering Building, 19 September 2015



Installation of UPVS pipes for electrical conduits below the slab-on-grade of Electrical Control Building, 19 September 2015



Tiling works inside the Chlorination Building, 20 September 2015



Backfilling with single size material below the slab-on-grade of the Electrical Control Building, 20 September 2015



Steel reinforcement for the remaining part of eastern retaining walls and part of the southern wall, 21 September 2015



Installation of steel pipes and fittings connecting between blow-off pit and Wadi outlet, 22 September 2015



Tiling works inside the Chlorination Building, 28 September 2015



Casting concrete for the foundation of Electrical Metering Building , 28 September 2015



Casting concrete for the remaining segment of eastern retaining wall and part of southern wall , 28 September 2015



Installation of UPVC pipes for electrical conduits below SOG of the Electrical Control Building , 29 September 2015



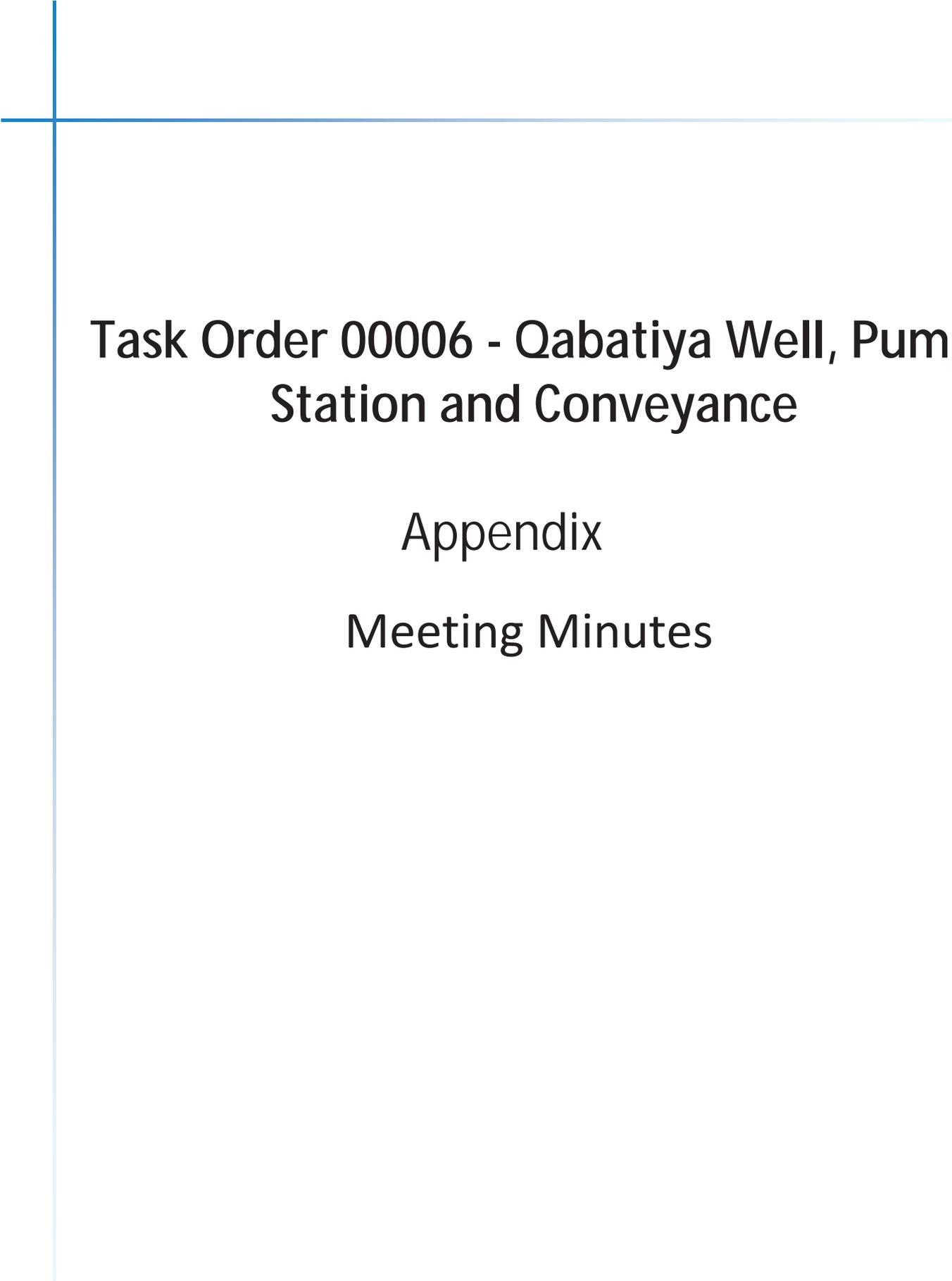
Safety toolbox meeting at Qabatiya Pump Station, 29 September 2015



Steel reinforcement and formworks for walls of electrical tranches at the Electrical Control Building, 30 September 2015



Backfilling around the balance tank foundation with single size aggregates, 30 September 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 #38

Date:

Thursday, September 03, 2015

Timing:

02:00 PM – 03:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

PWA/WBWD	USAID	Black and Veatch	CDM Smith and Subcontractors
--	Mr. Anan Masri	Mr. Adnan Safi Dr. Daoud Al-Qawasmeh Ms. Sharazad Al-Ayaydah Mr. Murad Daoud Mr. Adam Awwad Ms. Lubna Haj Hamad Mr. Tamer Assaf	Mr. Ghassan Thaher Mr. Kevin Connors Mr. Ali Odeh Mr. Abed Baker Mr. Yousef Alqam Mr. Ali Naser Mr. Ahmad Naser

Notes Prepared by:

Mukhles Najajreh, 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:

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



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 843 Days (84.63%)
- Project Planned Overall % of Completion N/A
- Project Actual Overall % of Completion N/A
- Total Float (Variance Duration) N/A

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #38.
- Copy of Project Key Data.
- Long Lead Items Procurement Update.
- Two Weeks Look Ahead by CDM Smith.

3. Documents Attached:

- Progress Meeting Agenda #37.
- Attendees List.
- Long Lead Items Procurement Update.
- Two Weeks Look Ahead by CDM Smith.

4. Next Meeting is scheduled at 11:00 AM on Thursday, September 17, 2015 at Al Zababida, Palestine.



Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#29	<u>Safety & Environment.</u> 1.1 Housekeeping. BV reminded CDM Smith to maintain and follow up the housekeeping on daily basis at all times in order to avoid work accidents.	CDM Smith	All Times
	PM#29	1.2 Asbestos Panels Removal. BV inquired about the status of asbestos sheets. CDM Smith advised that the asbestos sheets have been dismantled from location and relocated to the storage yard. CDM Smith further stated that their original plan is still valid and they will be disposing of the material at Zahrat Al-Finjan dumpsite BV advised that specific procedures for disposal shall be submitted for CMC's review and acceptance. CDM Smith stated that specific procedures will be submitted by next week accordingly.	Info Info Info CDM Smith	Sep 10, 2015
	PM#01	<u>Quality.</u> 2.1 Finishes. BV stated that the quality level is acceptable. However, BV emphasized on the importance of maintaining the quality of finishes at all times.	CDM Smith	All Times
3	PM #01	<u>Progress of Work.</u> 3.1 Progress Summary by CDM Smith. CDM Smith presented a brief progress of work and distributed a progress percentages (refer to attached copy) comparing the actual completion percentage and planned percentages for the project. Furthermore, CDM Smith stated that the following activities are progressing on site: <ul style="list-style-type: none">• Yard piping.• Earthworks under the foundation of the electrical control and metering buildings.• Architectural finishes for chlorination building and living quarter.• Surface preparation for the balancing tank prior to epoxy coating.	Info	
	PM#01	3.2 Long Lead Items Procurement Update. CDM Smith submitted the equipment procurement schedule during the meeting (refer to attached copy). Furthermore, CDM Smith explained that once the exact dates of procurement are clear, a recovery in project	Info	



	PM#01	<p>reported delays will be reduced.</p> <p>3.3 Two Weeks Look Ahead.</p> <p>CDM Smith submitted the Two Weeks Look Ahead schedule during the meeting (refer to attached copy).</p>	Info	
4	PM #34	<p><u>Submittals.</u></p> <p>4.1 Training Plan.</p> <p>CDM Smith noted that overview training plan for instrumentation equipment has been submitted to CMC for review and acceptance. CDM Smith further stated that the remaining training plans will be submitted upon receiving feedback from the suppliers.</p> <p>BV requested from CDM Smith to submit a comprehensive training plan schedule as per the contract documents including all required training tests in order to allow for CMC coordination with PWA/WBWD in this regard. Moreover, BV stated that the schedule will be used as a tracking tool.</p> <p>CDM Smith advised that a list covering all training requirements will be submitted to CMC's review by the next two weeks, noting that coordination with PWA/WBWD has already been completed in regards to the attending personnel.</p>	Info	Sep 17, 2015
	PM #37	<p>4.2 Equipment Test Plan.</p> <p>CDM Smith advised that a comprehensive list of testing plan has been prepared but does not include exact dates for testing.</p> <p>BV urged CDM Smith to submit equipment test plan for field and factory tests as per project specifications that includes all details (i.e. test schedule, tag schedule, and instrumentation tag list, etc.).</p> <p>CDM Smith advised that the list will be submitted on Monday September 07, 2015.</p>	Info	
5	PM #26	<p><u>Financial.</u></p> <p>5.1 Required Variation Order Requests.</p> <p>BV advised that variation order requests will be discussed separately in the next meeting.</p>	Info	
6	PM #01	<p><u>Reports.</u></p> <p>6.1 Monthly Report.</p> <p>No issues were reported during the meeting.</p>	Info	
	PM #01	<p>6.2 Daily Joint Report.</p> <p>No issues were reported during the meeting.</p>	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #38**

Date:

Thursday, September 03, 2015

Timing:

2:00 PM –3:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

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

Agenda:

1. Safety & Environment.

- 1.1 Housekeeping.
- 1.2 Asbestos Panels Removal.

2. Quality.

- 2.1 Finishes.

3. Progress of Work.

- 3.1 Progress Summary by CDM Smith.
- 3.2 Long Lead Items Procurement Update.
- 3.3 Two Weeks Look Ahead.

4. Submittals.

- 4.1 Training Plan.
- 4.2 Equipment Test Plan.

5. Financial.

5.1 Required Variation Order Requests.

6. Reports.

6.1. Daily Joint Reports.

6.2. Monthly Reports.

7. Others.



Subject: TO13-00006 QBW: Progress Meeting #38

Venue: B&V Office – Qabatieh

Date: September 03, 2015

Time: From 02:00 PM to 03:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Ali T. Odleh	planner	CDMSmith	0592997723	odleh.a@cdmsmith.com	
2	Shahrazad	CMS	BV			
3	Adnan Awwad	R.I.E	BV	0592997709	Adnan.A@bv.com	
4	Muhammad Daoud	QA	BV	0598934662	Daoud.M@bv.com	
5	Daoud Qawasmeh	TM	BV	0568930416	qawasmehd@bv.com	
6	Adnan Saf	CM	B&V	0568930960	Safi.A@bv.com	
7	AMMAN MASRI	COR	USAID	05055115355	Amman@USAID.gov	
8	Ahmad Masry	CMS	ABC	0599240643	ahmad@e-brothers.com	
9	KEVIN CONNORS	PM	CDM SMITH	+1.571.364.4153	CONNORSKP@CDMSMITH.COM	
10	Ghassan Thaker	PM	CDMSmith			
11	Yousef Alyoun	PM	ABC	0597088612	Yaloun@e-brothers.com	
12	Abdel Rahman Bakar	safety eng.	CDMSmith	0592-997700	bakercas@cdmsmith.com	
13	Tamer Assaf	OE	B&V	0592-997707	AssafT@bv.com	
14	Lubna HajHamael	Sr. OE	B&V	0598934661	Hajhamael@bv.com	
15						
16						
17						

Date: 3rd September, 2015

Updated CPM Schedule Till: 2nd September, 2015

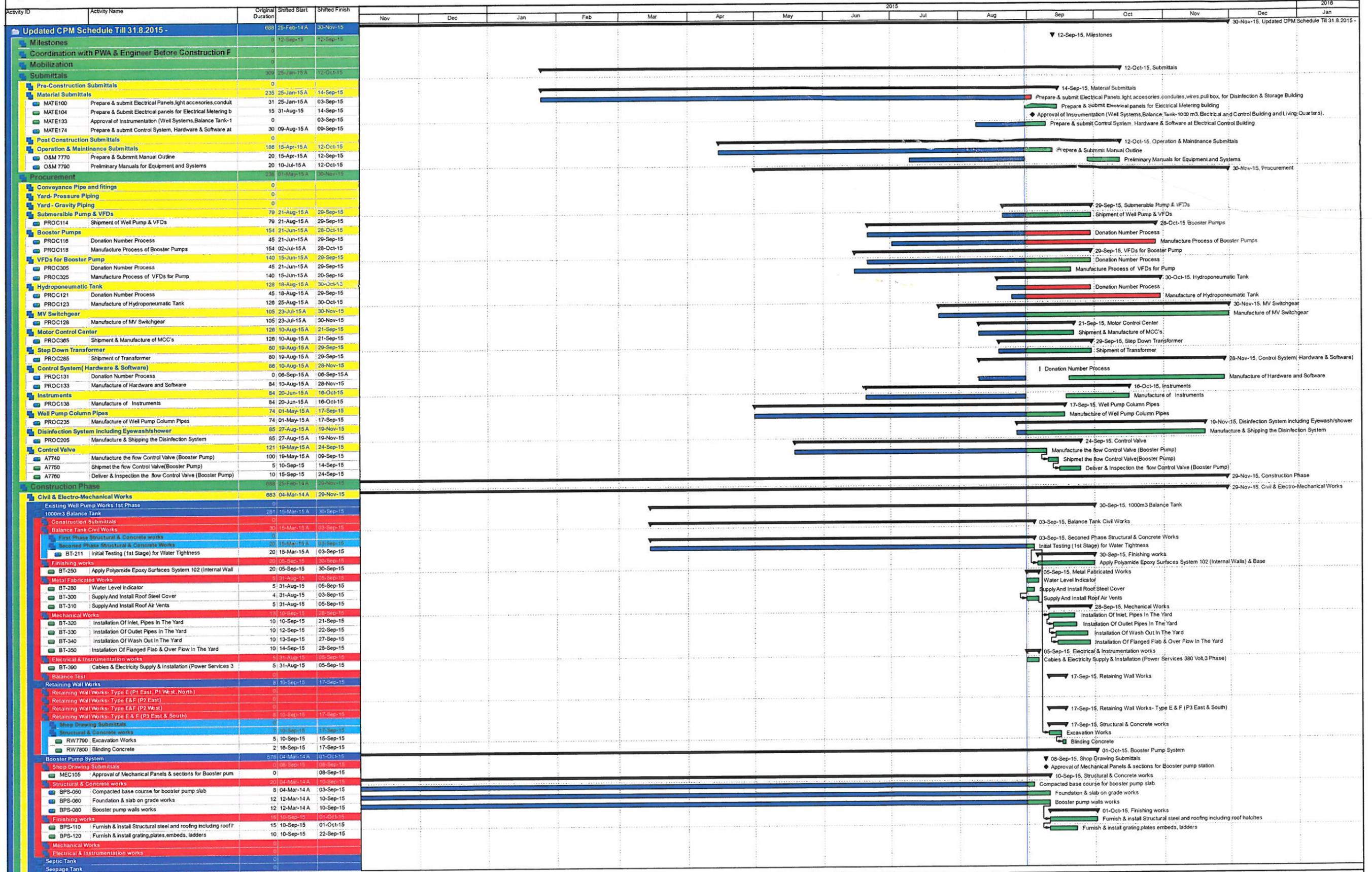
- **Qabatiya Well Pump Station and Conveyance System:**

- Planned Start Date = 14th May 2013
- Planned Finish Date = 3rd February, 2016

- Planned % complete = 27.09%
- Performance % complete = 21.49 %
- Float = - 36 Days

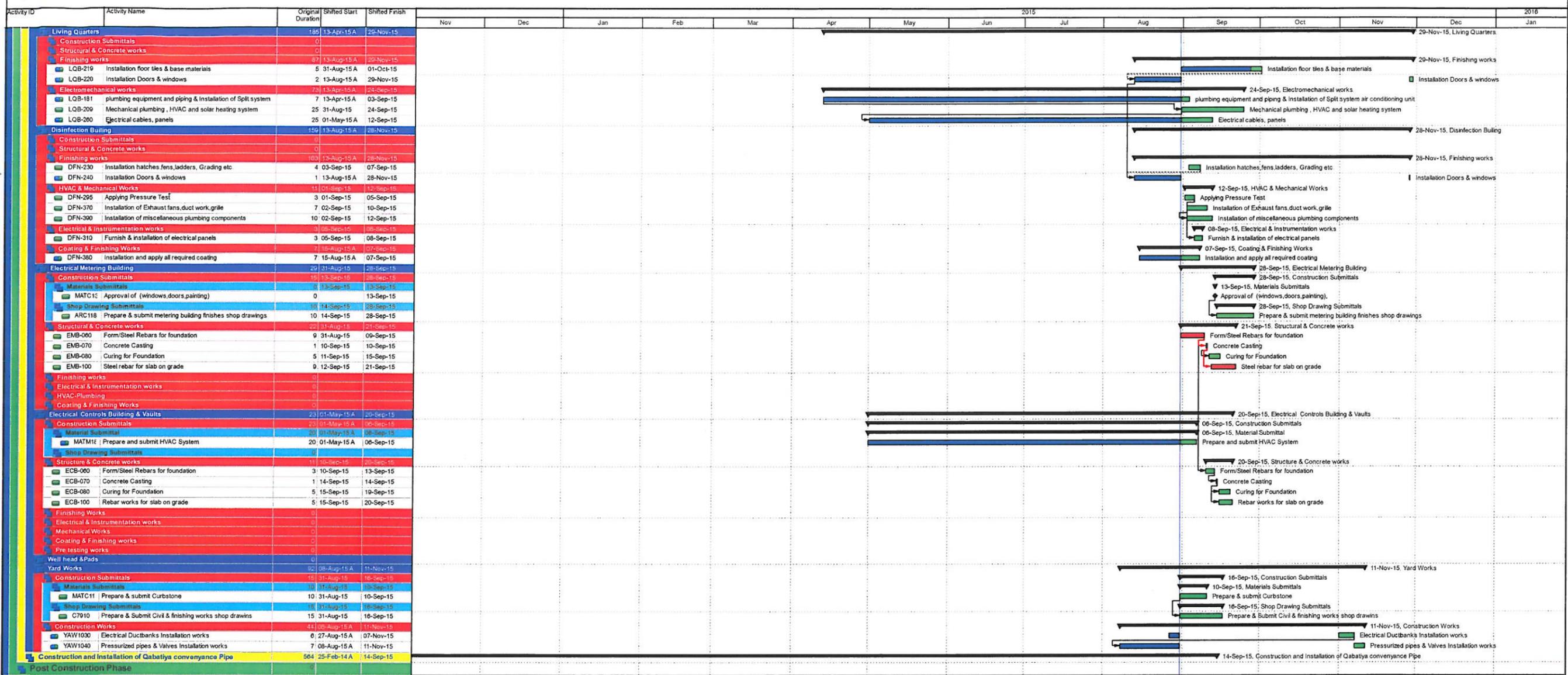
Description	P.O. Delivery Duration	P.O. Signing Date	Manufacturing Start	Manufacturing Finish	Shipping Start	Shipping Finish	Expected Clearance Finish Date	Expected Receiving Date In Qabatiya
Disinfection System including Eyewash/shower	10 - 12 Weeks	26-Aug-15	27-Aug-15	18-Oct-15	19-Oct-15	18-Nov-15	8-Dec-15	10-Dec-15
Submersible Well Pump	20 - 30 Weeks	24-Mar-15	25-Mar-15	20-Aug-15	21-Aug-15	27-Sep-15	17-Oct-15	20-Oct-15
Booster Pumps	18 - 20 Weeks	1-Jul-15	2-Jul-15	28-Oct-15	29-Oct-15	28-Nov-15	18-Dec-15	20-Dec-15
VFDs for Booster Pumps	14 Weeks	12-Jun-15	13-Jun-15	19-Sep-15	20-Sep-15	20-Oct-15	9-Nov-15	11-Nov-15
Hydropneumatic - Surge Tank	8 Weeks	24-Aug-15	25-Aug-15	28-Oct-15	29-Oct-15	28-Nov-15	18-Dec-15	20-Dec-15
Transformer	14 Weeks	24-Jul-15	25-Jul-15	18-Aug-15	19-Aug-15	26-Sep-15	16-Oct-15	19-Oct-15
Column Pipes + Access Pipes	3 Months	17-Jun-15	5-Aug-15	16-Sep-15	17-Sep-15	17-Oct-15	6-Nov-15	9-Nov-15
Switch Gear	4 - 5 Months	24-Jun-15	26-Jun-15	29-Nov-15	NA	NA	NA	2-Dec-15
Motor Control Center	3 Months	Not Yet	7-Jul-15	5-Oct-15	NA	NA	NA	7-Oct-15
Control System (Hardware & Software)	3 Months	9-Aug-15	1-Dec-15	14-Dec-15	NA	NA	NA	15-Dec-15

August Updated Schedule - 2 Weeks Look Ahead Schedule



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

August Updated Schedule - 2 Weeks Look Ahead Schedule



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



Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #39

Date:

Thursday, September 17, 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. Mukhles Najajreh Mr. Murad Daoud Mr. Adam Awwad Mr. Tamer Assaf	Mr. Ghassan Butmeh Mr. Talal Mahasin Mr. Mousa Anbar Mr. Abed Baker Mr. Yousef Alqam

Notes Prepared by:

Mukhles Najajreh, 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:

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



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 857 Days (86.04%)
- Project Planned Overall % of Completion N/A
- Project Actual Overall % of Completion N/A
- Total Float (Variance Duration) N/A

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #39.
- Copy of Project Key Data.
- Two Weeks Look Ahead by CDM Smith.
- Long Lead Items Procurement Update.

3. Documents Attached:

- Progress Meeting Agenda #39.
- Attendees List.
- Long Lead Items Procurement Update.
- Two Weeks Look Ahead by CDM Smith.

4. Next Meeting is scheduled at 11:00 AM on Thursday, October 01, 2015 at Al Zababida, Palestine.

Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM#29	<p><u>Safety & Environment</u> 1.1 Housekeeping.</p> <p>BV advised that serious housekeeping's violations have been observed at site, while the correction actions that were considered are still not adequate; which have led to the issuing of a notice of unsafe condition.</p> <p>BV urged CDM Smith to exert more efforts regarding this issue. Furthermore, BV stated that any safety violations will not be tolerated.</p> <p>CDM Smith advised that they will follow up this issue on a daily basis.</p>	<p>Info</p> <p>CDM Smith</p> <p>CDM Smith</p>	<p>All Times</p> <p>All Times</p>
	New	<p>1.2 Safety during Transportation.</p> <p>BV stated that the Qabatiya Well Site is located on a main road that is subjected to heavy traffic. Accordingly, BV emphasized on the importance of controlling the equipment's movement outside the well site through provision of mitigation measures to eliminate the accidents and risks.</p> <p>BV further stated that parking of vehicles at the site entrance is not allowed.</p> <p>CDM Smith advised that they will follow up this issue on a daily basis.</p>	<p>CDM Smith</p> <p>Info</p> <p>CDM Smith</p>	<p>All Times</p> <p>All Times</p>
2	PM#01	<p><u>Quality.</u> 2.1 Concrete Tests.</p> <p>BV reminded CDM Smith that concrete testing shall include the slump, air content, shrinkage, compressive strength and temperature tests as per contract specification.</p>	<p>CDM Smith</p>	<p>All Times</p>
3	PM #01	<p><u>Progress of Work.</u> 3.1 Progress Summary by CDM Smith.</p> <p>CDM Smith presented a brief progress of work and distributed a progress percentages (refer to attached copy) comparing the actual completion percentage and planned percentages for the project. Furthermore, CDM Smith stated that the following activities are progressing on site:</p> <ul style="list-style-type: none"> • Construction works of retaining wall (last segment). • Concrete works for the foundations of the electrical control and metering buildings. • Floor tiling for chlorination building and living quarter. 	<p>Info</p>	



		BV raised their concern with respect to the reported delays and urged CDM Smith to take corrective measures.	CDM Smith	ASAP
PM#01	3.2 Long Lead Items Procurement Update.	CDM Smith distributed the equipment procurement schedule during the meeting (refer to attached copy).	Info	
PM#01	3.3 Two Weeks Look Ahead.	CDM Smith distributed the Two Weeks Look Ahead schedule during the meeting (refer to attached copy). Furthermore, CDM Smith explained that once VO #07 is accepted by USAID, a revised CPM will need to be submitted accordingly. BV reminded CDM Smith that the last submitted schedule was updated in June 30, 2015; meanwhile, CDM Smith did not submit a revised CPM after issuing VO #06, and accordingly the submitted progress figures are not valid since the last accepted CPM has been outdated after issuing VO #06. Therefore, BV stated that a revised CPM shall be submitted at the earliest regardless of the status of VO #07.	Info CDM Smith CDM Smith	ASAP ASAP
PM#01	3.4 Surface Preparation of the Balancing Tank.	BV raised their concern regarding the delays in starting the surface preparation activities inside the balancing tank noting that the leakage test for the eastern and western compartments has been completed on July 27 and August 31, 2015 respectively. CDM Smith advised that epoxy painting for the balancing tank will start after performing minor concrete repairs. CDM Smith further stated that the surface preparation has been previously inspected and accepted by BV. BV advised that the inspection request regarding the surface preparation was performed prior to conducting the leakage test that has failed for both compartments. Furthermore, BV stated that inspection request for concrete repairs shall be performed - since the leakage test has been completed - prior to epoxy painting. BV reminded CDM Smith to submit the shop-drawing and material submittals for sump pits grating. CDM Smith stated that the material and the shop-drawings will be submitted shortly.	CDM Smith Info Info CDM Smith CDM Smith CDM Smith	Jul 27, 2015 Aug 31, 2015 ASAP ASAP ASAP



4	PM #34	<p><u>Submittals.</u></p> <p>4.1 Training Plan.</p> <p>BV reminded CDM Smith to submit a comprehensive training plan schedule as per contract documents including all required training items.</p> <p>CDM Smith advised that they are working with the vendors to finalize the plan and will be submitted for review shortly.</p>	<p>CDM Smith</p> <p>CDM Smith</p>	
	PM #37	<p>4.2 Equipment Test Plan.</p> <p>BV reminded CDM Smith to submit equipment test plan for field and factory tests as per project specifications, including all details (i.e. test schedule, and tag schedule, etc.). Moreover, BV stated that this schedule will be used as a tracking tool.</p> <p>BV advised that some tests will be performed locally and may be witnessed by PWA/WBWD and BV.</p>	<p>CDM Smith</p> <p>Info</p> <p>Info</p>	ASAP
5	PM #26	<p><u>Financial.</u></p> <p>5.1 Required Variation Order Requests.</p> <p>BV urged CDM Smith to submit the required VORs for all changes at the earliest.</p>	CDM Smith	ASAP
6	PM #01	<p><u>Reports.</u></p> <p>6.1 Monthly Report.</p> <p>No issues were reported during the meeting.</p>	Info	
	PM #01	<p>6.2 Daily Joint Report.</p> <p>No issues were reported during the meeting.</p>	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #39**

Date:

Thursday, September 17, 2015

Timing:

11:00 AM –12:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

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

Agenda:

- 1. Safety & Environment.**
 - 1.1 Housekeeping.
 - 1.2 Safety during Transportation.
- 2. Quality.**
 - 2.1 Concrete Tests.
- 3. Progress of Work.**
 - 3.1 Progress Summary by CDM Smith.
 - 3.2 Long Lead Items Procurement Update.
 - 3.3 Two Weeks Look Ahead.
- 4. Submittals.**
 - 4.1 Training Plan.

4.2 Equipment Test Plan.

5. Financial.

5.1 Required Variation Order Requests.

6. Reports.

6.1. Daily Joint Reports.

6.2. Monthly Reports.

7. Others.

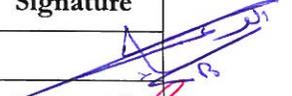
Subject: TO13-00006 QBW: Progress Meeting #39

Venue: B&V Office – Az-Zababdeh

Date: September 17, 2015

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

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Abedel Rahman Bakeer	safety Eng.	CDMSmith	0592-997700	bakeerar@cdmsmith.com	
2	Yousef Alqam	PM	ABC	0597088612	yalqam@q-brothers.com	
3	Moussa Anbar	F&A Manager	CDMSmith	0599556610	anbar.m@cdmsmith.com	
4	Talal Mahasin	QC/QA Manager	CDMSmith	0592997702	mahasin.t@cdmsmith.com	
5	Ghassan Mahdi	PM	CDMSmith	0592997720	bwtmehg@cdmsmith.com	
6	Adnan Anwar	R.E	B.V	0592997709	Anwar.a@bv.com	
7	Muhammad Daoud	QA	BV	0598934662	Daoud.M@bv.com	
8	Mukhlis Najajreh	PM	BV	0598934660	Najajreh.M@bv.com	
9	Tamer Assaf	OE	BV	0592-997707	Assaf.T@bv.com	
10						
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Date: 16th September, 2015

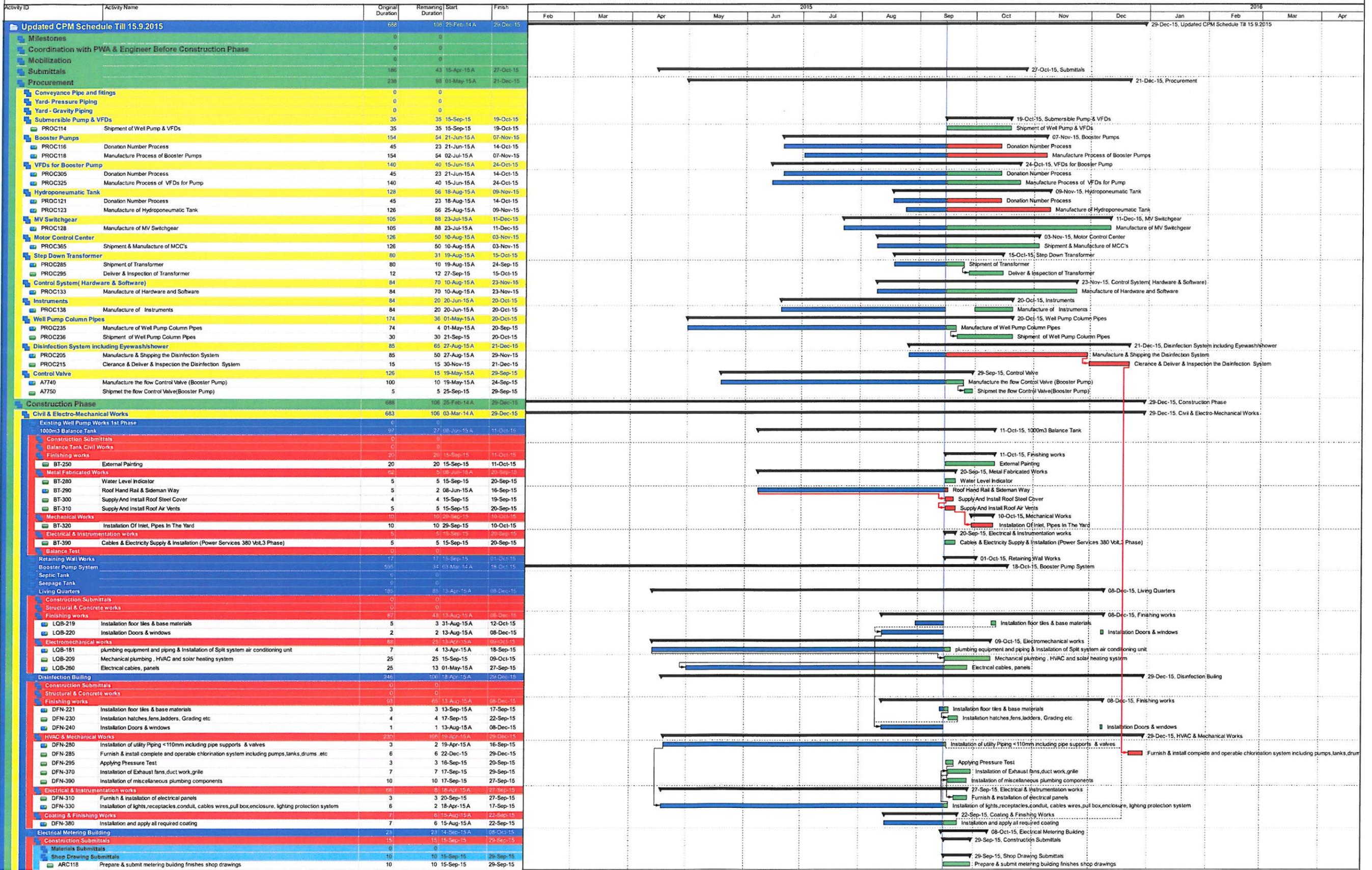
Updated CPM Schedule Till: 15th September, 2015

• Qabatiya Well Pump Station and Conveyance System:

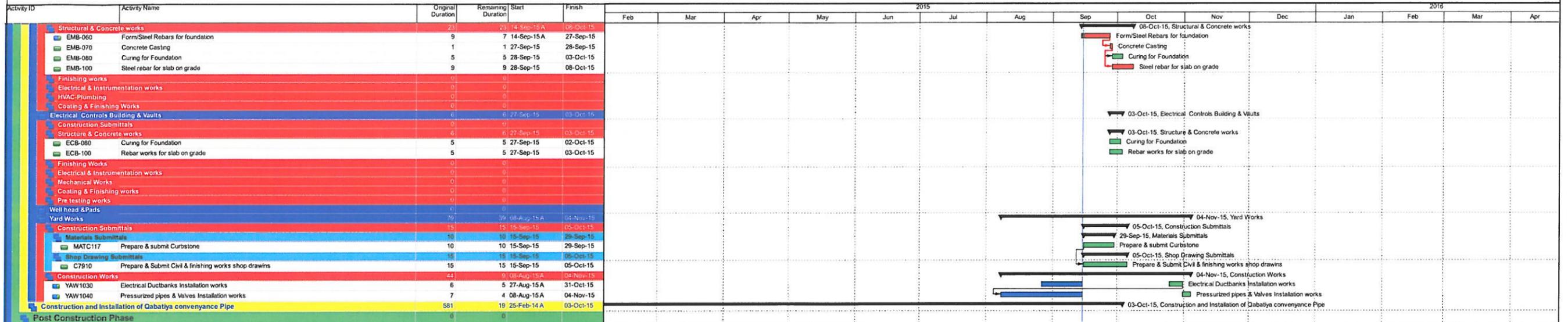
- Planned Start Date = 14th May 2013
- Planned Finish Date = 3rd February, 2016

- Planned % complete = 28.90%
- Performance % complete = 22.47%
- Float = - 30 Days

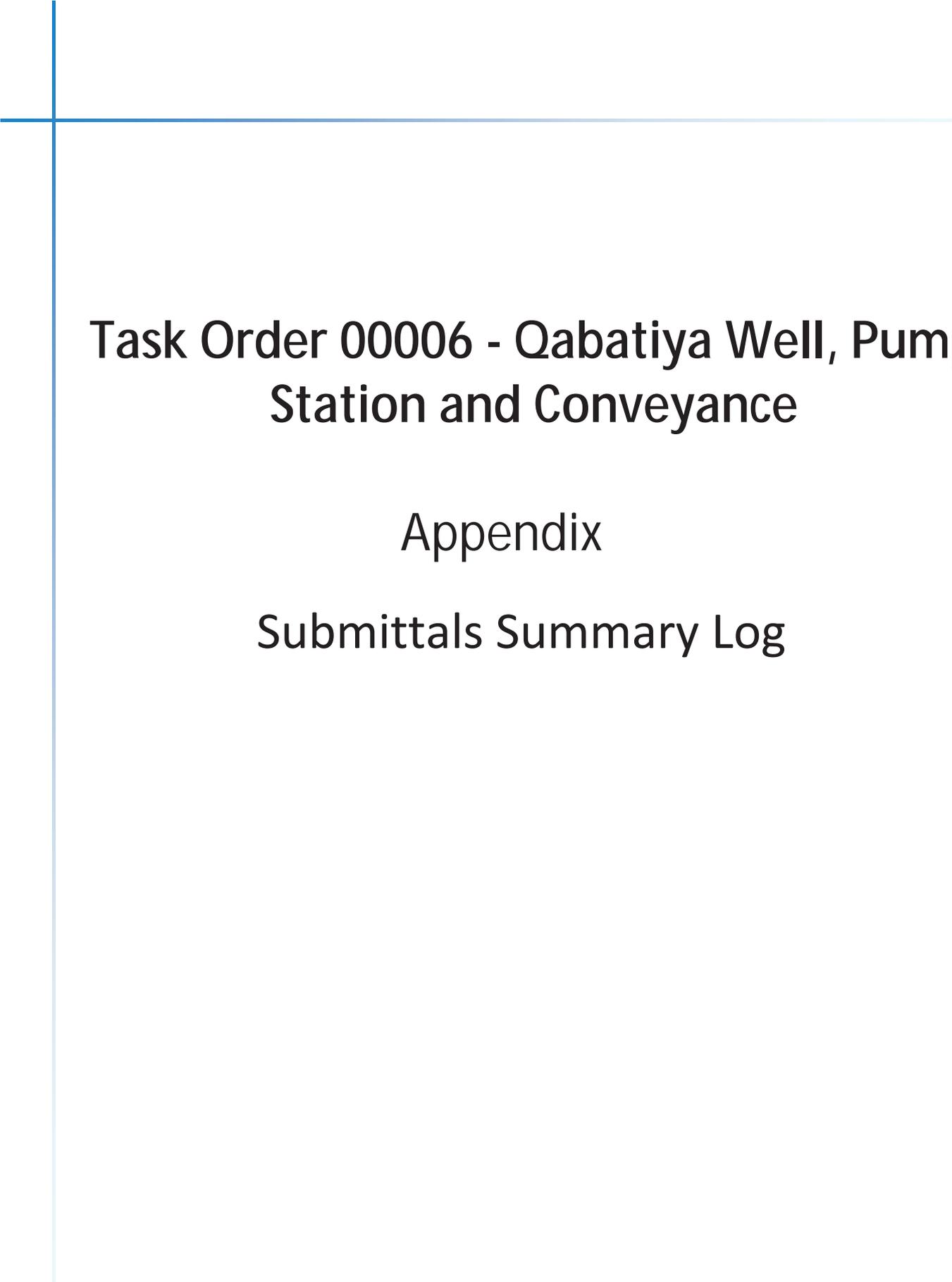
Description	P.O. Delivery Duration	P.O. Signing Date	Manufacturing Start	Manufacturing Finish	Shipping Start	Shipping Finish	Expected Clearance Finish Date	Expected Receiving Date In Qabatiya
Disinfection System including Eyewash/shower	10 - 12 Weeks	26-Aug-15	27-Aug-15	18-Oct-15	19-Oct-15	18-Nov-15	8-Dec-15	10-Dec-15
Submersible Well Pump	20 - 30 Weeks	24-Mar-15	25-Mar-15	20-Aug-15	21-Aug-15	27-Sep-15	17-Oct-15	20-Oct-15
Booster Pumps	18 - 20 Weeks	1-Jul-15	2-Jul-15	19-Nov-15	20-Nov-15	20-Dec-15	9-Jan-16	11-Jan-16
VFDs for Booster Pumps	14 Weeks	12-Jun-15	13-Jun-15	19-Sep-15	20-Sep-15	20-Oct-15	9-Nov-15	11-Nov-15
Hydropneumatic - Surge Tank	8 Weeks	24-Aug-15	25-Aug-15	20-Oct-15	21-Oct-15	20-Nov-15	10-Dec-15	12-Dec-15
Transformer	14 Weeks	24-Jul-15	25-Jul-15	18-Aug-15	19-Aug-15	26-Sep-15	16-Oct-15	19-Oct-15
Column Pipes + Access Pipes	3 Months	17-Jun-15	5-Aug-15	16-Sep-15	17-Sep-15	17-Oct-15	6-Nov-15	9-Nov-15
Switch Gear	4 - 5 Months	24-Jun-15	26-Jun-15	29-Nov-15	NA	NA	NA	2-Dec-15
Motor Control Center	3 Months	Not Yet	7-Jul-15	5-Oct-15	NA	NA	NA	7-Oct-15
Control System (Hardware & Software)	3 Months	9-Aug-15	1-Dec-15	14-Dec-15	NA	NA	NA	15-Dec-15



■ Actual Level of Effort
 ■ Remaining Work
 ◆ Milestone
■ Actual Work
 ■ Critical Remaining Work
 ▼ summary



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



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-108B	Shop Drawing for Electrical Manholes & Duct Banks for QBW Site	28/09/2015		
SUB-13-00006-QBW-136C	Coordination Drawing for underground works / mechanical & electrical	28/09/2015		
SUB-13-00006-QBW-372C	shop drawing for main gate for the well site	28/09/2015	30/09/2015	E
SUB-13-00006-QBW-444C	Fire Alarm System Devices	22/09/2015		
SUB-13-00006-QBW-492B	Samples of Aluminum Window and Accessories	01/09/2015	07/09/2015	B
SUB-13-00006-QBW-558B	Backflow preventer -BFP-527	07/09/2015	10/09/2015	A
SUB-13-00006-QBW-587B	shop drawing for structural Details of transformer pad	01/09/2015	07/09/2015	B
SUB-13-00006-QBW-595B	Automatic Air release valve for high pressure system (A.R.I.S-015)	28/09/2015		
SUB-13-00006-QBW-599B	Test report on concrete compressive strength for the external walls of the chlorination building -(07 day result)Ref: M/1507/62	20/09/2015	20/09/2015	E
SUB-13-00006-QBW-600B	Test report on concrete compressive strength for the elevated slab of the chlorination building -(07 day result)Ref: M/1507/136	20/09/2015	20/09/2015	E
SUB-13-00006-QBW-609B	Structural shop drawing for fence wall- southern part	13/09/2015	20/09/2015	B
SUB-13-00006-QBW-630B	Tubing &fitting for chlorination system	09/09/2015	17/09/2015	A
SUB-13-00006-QBW-631B	Electrical panel boards	06/09/2015	10/09/2015	C
SUB-13-00006-QBW-644B	Preliminary operation & maintenance manual outline for Qabatiya well pump station	08/09/2015	13/09/2015	A
SUB-13-00006-QBW-655B	Architectural shop drawing for kitchen cabinet	14/09/2015	16/09/2015	B
SUB-13-00006-QBW-666B	Concrete mix design (zakarneh ready mix plant)-report Ref.No:M/1507/201a_28 day result	13/09/2015	16/09/2015	A
SUB-13-00006-QBW-667A	Sample of window screen	01/09/2015	07/09/2015	D
SUB-13-00006-QBW-667B	Sample of window screen	09/09/2015	13/09/2015	A
SUB-13-00006-QBW-668A	Sample floor drain	01/09/2015	01/09/2015	A
SUB-13-00006-QBW-669A	Degree of compaction test(field density)for the substrata of the electrical metering building and electrical and control building _reports Ref :Nos.M/1508/417 & M/1508/417a	01/09/2015	07/09/2015	C
SUB-13-00006-QBW-669B	Degree of compaction test(field density)for the substrata of the electrical metering building and electrical and control building _reports Ref :Nos.M/1508/417 & M/1508/417a	09/09/2015	13/09/2015	A
SUB-13-00006-QBW-670A	Qabatiya PLC V1.1_CL	02/09/2015	10/09/2015	B
SUB-13-00006-QBW-671A	MCC shop drawings_Qabatiya MCC V1.1_CL	02/09/2015	10/09/2015	B
SUB-13-00006-QBW-672A	MTS shop Drawings_Qabatiya V1.1-CL	02/09/2015	10/09/2015	B
SUB-13-00006-QBW-673A	Qabatiya chlorination panel shop drawings	02/09/2015	07/09/2015	B
SUB-13-00006-QBW-674A	Qabatiya Indicator panel shop drawings	02/09/2015	07/09/2015	B

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-675A	Welding visual inspection report for the welded joints at Qabatiya pump station (yard piping ,overflow and inlet)_partial1	02/09/2015	10/09/2015	A
SUB-13-00006-QBW-676A	Monthly QA/QC and Safety Plans Updates for August 2015	02/09/2015	07/09/2015	A
SUB-13-00006-QBW-677A	Sample of Glazing _glass for Aluminum windows	02/09/2015	07/09/2015	A
SUB-13-00006-QBW-678A	Up date risk management plan for August 2015	03/09/2015	07/09/2015	A
SUB-13-00006-QBW-679A	Monthly Update for Environmental and Mitigation Plan for the Month of August 2015	03/09/2015	07/09/2015	A
SUB-13-00006-QBW-680A	Factory witness test (at Baker Hughes)and mill certificate of well pump material	03/09/2015	01/10/2015	B
SUB-13-00006-QBW-681A	Diaphragm seals for pressure measuring systems	03/09/2015	15/09/2015	C
SUB-13-00006-QBW-681B	Diaphragm seals for pressure measuring systems	17/09/2015	20/09/2015	A
SUB-13-00006-QBW-682A	Test report on concrete compressive strength for the plastering of chlorination building -(28 day result)Ref: M/1507/266a	06/09/2015	07/09/2015	A
SUB-13-00006-QBW-683A	Test report on concrete compressive strength for the plastering mortar of the living quarter (brown coat)-(07 day result)Ref: M/1508/284	06/09/2015	07/09/2015	A
SUB-13-00006-QBW-684A	Alternative source for precast electrical manholes (Addasi Company)	06/09/2015	Retracted 15/9/2015	
SUB-13-00006-QBW-685A	Shop drawings of wall tiling for the chlorination building	06/09/2015	20/09/2015	B
SUB-13-00006-QBW-686A	Test report on concrete compressive strength for the pipe encasment at the well site (Zakarneh trial mix-(07 day result)Ref: M/1508/418	06/09/2015	07/09/2015	C
SUB-13-00006-QBW-686B	Test report on concrete compressive strength for the pipe encasment at the well site (Zakarneh trial mix-(28 day result)Ref: M/1508/418a	30/09/2015	Retracted 30/9/2015	
SUB-13-00006-QBW-686B	Test report on concrete compressive strength for the pipe encasment at the well site (Zakarneh trial mix-(07 day result)Ref: M/1508/418	30/09/2015	01/10/2015	A
SUB-13-00006-QBW-687A	Degree of compaction test (field density)for the base course layer under electrical & control building and electrical metering building_report Ref.No:M/1509/67_date of sampling Sep5,2015	06/09/2015	07/09/2015	A
SUB-13-00006-QBW-688A	Sample of ceramic wall tiles for the chlorination building	07/09/2015	13/09/2015	A
SUB-13-00006-QBW-689A	Portable Air Compressor	08/09/2015	20/09/2015	D
SUB-13-00006-QBW-690A	Ceramic Tiles for floor of disinfection building _Alternative	09/09/2015	13/09/2015	A
SUB-13-00006-QBW-691A	Shop drawings & structural calculations for underground electrical manholes (Addasi CO)	09/09/2015	Retracted 13/9/2015	
SUB-13-00006-QBW-692A	Sample of L-frame for checkered plate covers	09/09/2015	30/09/2015	B
SUB-13-00006-QBW-693A	Sample of window louvers for the chlorination building	09/09/2015	20/09/2015	C
SUB-13-00006-QBW-694A	Amerlock 400C-Alternative protective coating for internal walls of balance tank	10/09/2015	15/09/2015	C
SUB-13-00006-QBW-695A	Solar collection system	10/09/2015		
SUB-13-00006-QBW-696A	Work plan for removing ,handling ,storing and proper disposal of the existing Asbestos sheets	10/09/2015	28/09/2015	A
SUB-13-00006-QBW-697A	Structural Details cast -in-situ electrical manholes	13/09/2015	15/09/2015	B

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status
SUB-13-00006-QBW-698A	Double_walled corrugated pipes_ϕ 110mm(to be used as aconnection conduit for electrical cables outside the electrical manholes and existing electrical tower)	15/09/2015	16/09/2015	A
SUB-13-00006-QBW-699A	Shop drawing for Structural details of well pump pad	15/09/2015	Retracted 17/9/2015	
SUB-13-00006-QBW-700A	Mechanical shop drawing for blow off pit piping	16/09/2015	22/09/2015	C
SUB-13-00006-QBW-701A	Test report on concrete compressive strength for foundation of electrical control building -(07 day result)Ref: M/1509/178	20/09/2015	20/09/2015	A
SUB-13-00006-QBW-702A	Test report on concrete compressive strength for the plastering mortar of the living quarter (brown coat)-(28 day result)Ref: M/1508/284a	21/09/2015	22/09/2015	A
SUB-13-00006-QBW-703A	Test report on concrete compressive strength for electrrical duct bank -(07 day result)Ref: M/1509/128	21/09/2015	22/09/2015	A
SUB-13-00006-QBW-704A	Test report on concrete compressive strength for foundation of remaining segment of eastern RW -(07 day result)Ref: M/1509/127	21/09/2015	22/09/2015	A
SUB-13-00006-QBW-705A	Bituminous roof membranes (primer GS/474)and architectural shop drawing for roof insulation of QBW building	22/09/2015	Retracted 29/09/2015	
SUB-13-00006-QBW-705A	Bituminous roof membranes (primer GS/474)and architectural shop drawing for roof insulation of QBW building	29/09/2015		
SUB-13-00006-QBW-706A	Electrical chemical feed (metering)pump-Alternative	28/09/2015		
SUB-13-00006-QBW-707A	Alternative source for precast electrical manholes (Addasi Company)and shop drawing & structuaral calculations for underground electrical manholes (Adasi Co)	28/09/2015	30/09/2015	B
SUB-13-00006-QBW-708A	Sample of adjustable jack support for steel pipes at Qabatiya pump station	30/09/2015	Retracted 1/10/2015	
SUB-13-00006-QBW-709A	Test report on concrete compressive strength for the pipe encasment at the well site (Zakarnh trial mix-(28 day result)Ref: M/1508/418a	30/09/2015	01/10/2015	A
SUB-13-00006-QBW-710A	Mechanical shop drawing for out side emergency eyewash piping	30/09/2015		

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Invoices Log

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Geo MIS logs

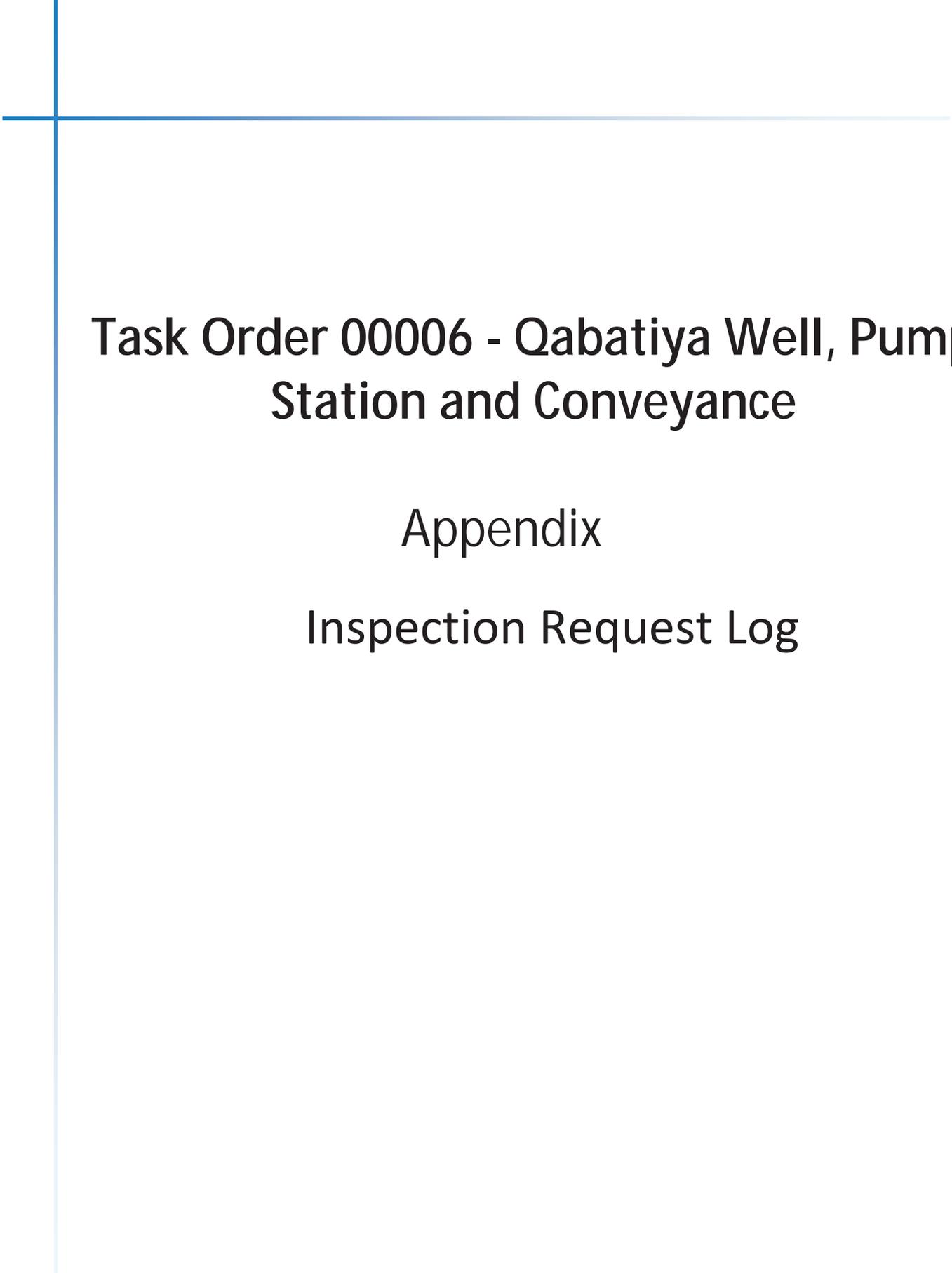
USAID WEST BANK/ GAZA									
INFRASTRUCTURE NEEDS PROGRAM INPII									
CONTRACT NO. :AID-294-I-00-12-00001									
TASK ORDER NO. : AID-294-TO-13-00006									
Qabatiya Well Pump Station and Conveyance System									
Temporay Job Days Summary Report									
Task Order Name: To-13-00006						PERIOD FROM: 5/14/2013			
Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System						PERIOD TO: 9/30/2015			
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	93.75	4.13	491.50	21	
Total of FY 2014							6251.38	263	
October	2014	84.38	60.50	186.13	185.13	0.00	516.13	21.69	
November	2014	109.63	59.25	195.13	183.50	9.38	556.88	23.40	
December	2014	127.63	52.88	195.38	122.50	3.38	501.75	21.08	
January	2015	94.88	95.13	145.50	67.25	4.13	406.88	17.10	
February	2015	88.38	117.25	40.75	43.50	0.00	289.88	12.18	
March	2015	89.50	159.50	31.38	87.63	9.50	377.50	15.86	
April	2015	92.50	152.00	36.13	70.63	13.75	365.00	15.34	
May	2015	95.50	146.63	62.88	76.25	11.00	392.25	16.48	
June	2015	93.13	146.75	79.00	61.63	21.88	402.38	16.91	
July	2015	81.13	95.88	120.50	79.88	20.38	397.75	16.71	
August	2015	101.88	161.75	136.88	116.75	28.75	546.00	22.94	
September	2015	86.88	135.63	141.88	98.88	22.00	485.25	20.39	
Total of FY 2015							5237.63	220.07	
Note :									
* No of Full Time Equivalent (FTE) Jobs in the Month = Total Job Days / Avg. Days in the Month(23.8)									
** This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.									

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
 Temporary Job Days Report

Task Order Name: TO-13-00006
 Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System
 CONTRACTOR:CDM Smith
 SUBCONTRACTOR(s): Arab Brothers
 Site Group CO. LTD

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	Sury Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver							
September 1, 2015	CDM Smith	8	8	8		8											8					4	6	3.25	5	1
	Arab Brothers				8	8		8				8	8	8		16	10		32	8						
	Site Group																									
September 2, 2015	CDM Smith	8	8	8		8									6			8				4	6	9.5	5	1
	Arab Brothers				8	8		8				8	8	8	46	24			32	8						
	Site Group																									
September 3, 2015	CDM Smith	8	8	8		8									8			8				4	6	8.625	4	1
	Arab Brothers				8	8		8				8	8	8	48	13			24	8						
	Site Group																									
September 4, 2015	CDM Smith																					0	0	0	0	0
	Arab Brothers																									
	Site Group																									
September 5, 2015	CDM Smith	8	8	8		8											8					4	6	5	4	1
	Arab Brothers				8	8		8				8	8	8	24	16			24	8						
	January 8, 1900																									
September 6, 2015	CDM Smith	8	8	8		8											8					4	6	5	5	1
	Arab Brothers				8	8		8				8	8	8	24	16			32	8						
	Site Group																									
September 7, 2015	CDM Smith	8	8	8		8									5			8				4	6	10.875	4	1
	Arab Brothers				8	8		8				8	8	8	58	24			24	8						
	Site Group																									
September 8, 2015	CDM Smith	8	8	8		8											8					4	6	7	4	1
	Arab Brothers				8	8		8				8	8	8	48	8			24	8						
	Site Group																									



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-13-00006-QBW-012B	Based on the approval of the Qabatiya well Site Excavation plan & quantities	03/09/2015	03/09/2015	A
IR-1300006-QBW-220B	Inspection for delivered manhole frames and covers of Kurdieh and sons LTD's souce	03/09/2015	03/09/2015	A
IR-1300006-QBW-249C	Inspection of initial water level inside the western compartment of the balance tank as part of the leakage test procedure	03/09/2015	03/09/2015	A
IR-1300006-QBW-314B	Inspection of concrete preparations for the exterior surfaces of the chlorination building walls prior plastering works	03/09/2015	03/09/2015	A
IR-1300006-QBW-348B	Inspection for the delivered ceramic tiles for the chlorination building as shown in the attached MRR-019	13/09/2015	13/09/2015	A
IR-1300006-QBW-361A	Inspection of delivered sample of cast iron sewage manhole covers for qabatiya pump station (Al-Waleed factory)	01/09/2015	01/09/2015	C
IR-1300006-QBW-362A	Inspection of final water level and visible leakage on the outside surfaces of the balance tank (western compartment)to complet the leakage test	01/09/2015	02/09/2015	A
IR-1300006-QBW-363A	Inspection of rockfill and level below the foundation of the electrical metering building	02/09/2015	02/09/2015	A
IR-1300006-QBW-364A	Inspection of rockfill and level below the foundation of the electrical control building	02/09/2015	02/09/2015	A
IR-1300006-QBW-365A	Inspection of surface preparation of the balance tank of foundation (Western compartment) prior to applying damp proofing material at a height of 105cm.	03/09/2015	03/09/2015	A
IR-1300006-QBW-366A	Inspection of formwork and steel reinforcement for foundation of remaining segment of eastern retaining wall and part of the southern wall as shown in the attached drawing	03/09/2015	03/09/2015	A
IR-1300006-QBW-367A	Inspection of formwork and steel reinforcement for walls of washout pipes at station 0+182 and 1+628 prior ta casting concrete.	03/09/2015	06/09/2015	C
IR-1300006-QBW-368A	Inspection of basecourse layering and level below the foundations of the electrical control building	06/09/2015	06/09/2015	A
IR-1300006-QBW-369A	Inspection of basecourse layering and level below the foundations of the electrical Metering building	06/09/2015	06/09/2015	A
IR-1300006-QBW-370A	Inspection of delivered steel fittings as shown in the attached MRR-022	07/09/2015	08/09/2015	C
IR-1300006-QBW-370B	Inspection of delivered steel fittings as shown in the attached MRR-022	09/09/2015	09/09/2015	A
IR-1300006-QBW-371A	Inspection of formwork and steel reinforcement for the duct banks as per the attached drawing in preparation for concrete casting	07/09/2015	08/09/2015	A
IR-1300006-QBW-372A	Inspection of location of the electrical and control building in preparation to start the formwork and steel reinforcement for edge foundation	08/09/2015	08/09/2015	A
IR-1300006-QBW-373A	Inspection of formwork and steel reinforcement for the foundation of electrical and control building prior to concrete casting (as shown in the attached drawing)	09/09/2015	10/09/2015	C
IR-1300006-QBW-373B	Inspection of formwork and steel reinforcement for the foundation of electrical and control building prior to concrete casting (as shown in the attached drawing)	10/09/2015	13/09/2015	A
IR-1300006-QBW-374A	Inspection for the installation of earthing strips below the salab-on-grade at the edge foundations of the electrical and control building	10/09/2015	10/09/2015	A
IR-1300006-QBW-375A	Inspection of formwork and steel reinforcement for the remaining segment of eastern retaining wall and part of the southern wall prior to closing the formwork(as shown in the attached drawing)	10/09/2015	13/09/2015	C
IR-1300006-QBW-375B	Inspection of formwork and steel reinforcement for the remaining segment of eastern retaining wall and part of the southern wall prior to closing the formwork(as shown in the attached drawing)	15/09/2015	15/09/2015	C
IR-1300006-QBW-375C	Inspection of formwork and steel reinforcement for the remaining segment of eastern retaining wall and part of the southern wall prior to closing the formwork(as shown in the attached drawing)	17/09/2015	Retracted 20/9/ 2015	
IR-1300006-QBW-375C	Inspection of formwork and steel reinforcement for the remaining segment of eastern retaining wall and part of the southern wall prior to closing the formwork(as shown in the attached drawing)	21/09/2015	21/09/2015	A
IR-1300006-QBW-376A	Inspection of location of the electrical metering building in preparation to start the formwork and steel reinforcement for edge foundation	10/09/2015	13/09/2015	A
IR-1300006-QBW-377A	Inspection of delivered ceramic tiles for the walls of the chlorination building as shown in the attached MRR-023	14/09/2015	14/09/2015	A
IR-1300006-QBW-378A	Inspection of Qabatiya well pump station in means of housekeeping, safety measurement and site accessibility prior to resuming construction activities	16/09/2015	16/09/2015	C
IR-1300006-QBW-378B	Inspection of Qabatiya well pump station in means of housekeeping, safety measurement and site accessibility prior to resuming construction activities	17/09/2015	17/09/2015	A
IR-1300006-QBW-379A	Inspection of formwork and steel reinforcement for the foundation of electrical metering building prior to concrete casting (as shown in the attached drawing)	17/09/2015	20/09/2015	A
IR-1300006-QBW-380A	Inspection for the installation of galvanized steel strip for earthing system at the foundation of electrical metering building	17/09/2015	20/09/2015	A
IR-1300006-QBW-381A	Inspection of damp-proofing coat for the edge and internal foundation of electrical control building prior to backfilling	17/09/2015	20/09/2015	A
IR-1300006-QBW-382A	Inspection of shuttering for the remaining segment of eastern retaining wall and part of the southern wall prior to concrete casting (as shown in the attached drawing)	28/09/2015	28/09/2015	A
IR-1300006-QBW-383A	Inspection of electrical conduits for the electrical and control building as per the attached drawing	30/09/2015	01/10/2015	A

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix Equipment List

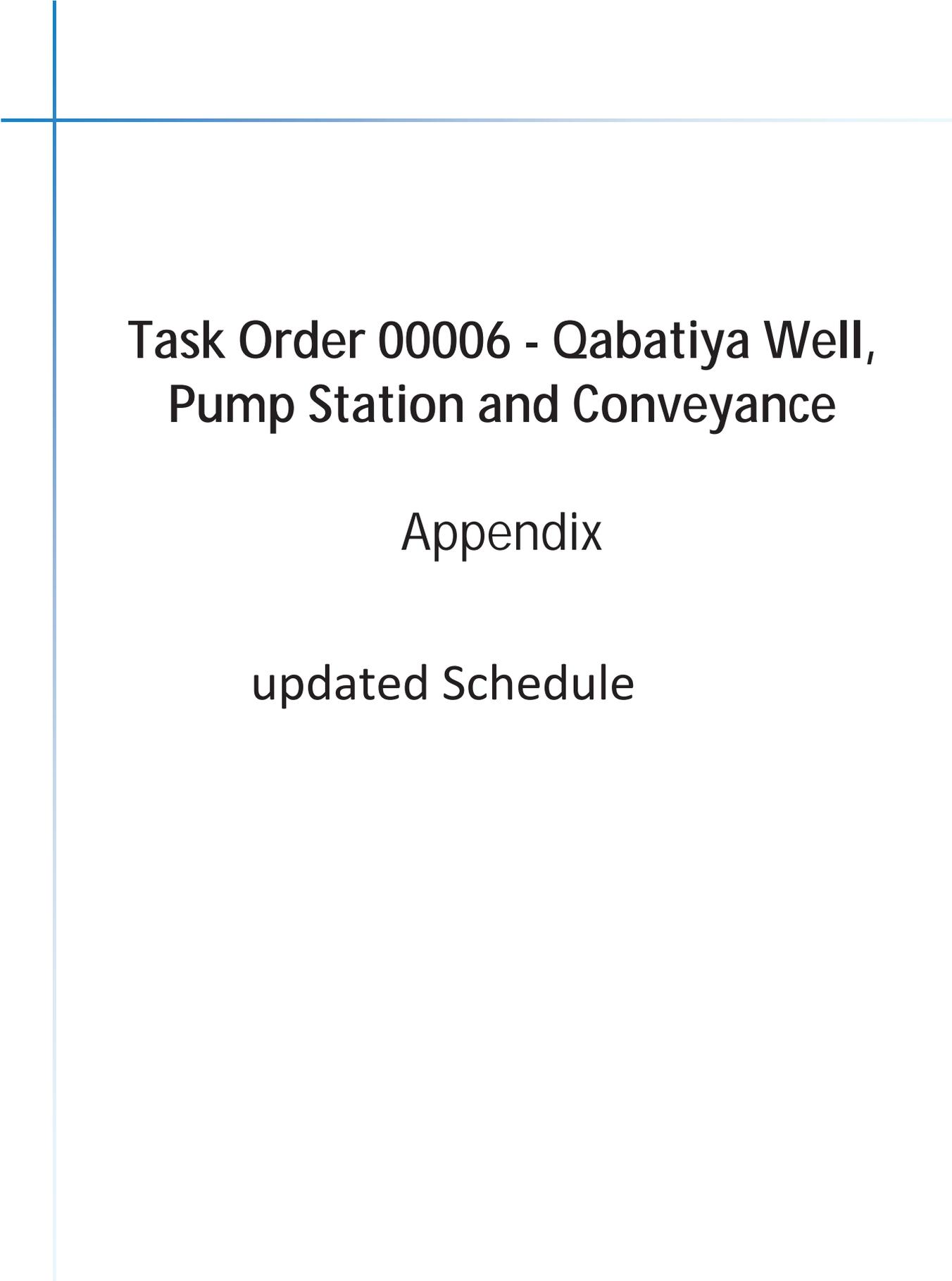
USAID Contract No.: AID-294-I-00-12-00001			
Task Order No.: AID-294-TO-13-00006			
Qabatiaya Well Pump Station And Conveyqance System			
Equipment List-September 2015			
Tracked excavator	01/09/2015	CAT	2001
Backhoe	01/09/2015	JCB	2011
Bobcat/Idle	01/09/2015	CAT	2013
Roller/Idle	01/09/2015		2011
Welding Machine			
Backhoe	02/09/2015	JCB	2011
Bobcat	02/09/2015	CAT	2013
Roller	02/09/2015		2011
Backhoe	03/09/2015	JCB	2011
Bobcat/Idle	03/09/2015	CAT	2013
Roller/Idle	03/09/2015		2011
Welding Machine	03/09/2015		
Winch	03/09/2015	DAF	1996
Backhoe/Idle	04/09/2015	JCB	2011
Bobcat/Idle	04/09/2015	CAT	2013
Roller/Idle	04/09/2015		
Winch/Idle	04/09/2015	DAF	1996
Backhoe	05/09/2015	JCB	2011
Bobcat	05/09/2015	CAT	2013
Roller	05/09/2015		2011
Backhoe	06/09/2015	JCB	2011
Bobcat	05/09/2015	CAT	2013
Roller	06/09/2015		2011
Backhoe	06/09/2015	JCB	2011
Bobcat	07/09/2015	CAT	2013
Roller	07/09/2015		2011
Welding Machine	07/09/2015		
Concrete Vibrator	07/09/2015		
Backhoe	08/09/2015	JCB	2011
Bobcat/Idle	08/09/2015	CAT	2013
Roller/Idle	08/09/2015		
Backhoe	09/09/2015	JCB	2011
Bobcat/Idle	09/09/2015	CAT	2013
Roller/Idle	09/09/2015		
Backhoe	10/09/2015	JCB	2011
Bobcat/Idle	10/09/2015	CAT	2013
Roller/Idle	10/09/2015		
Backhoe/Idle	11/09/2015	JCB	2011
Bobcat/Idle	11/09/2015	CAT	2013
Roller/Idle	11/09/2015		
Backhoe/Idle	12/09/2015	JCB	2011
Bobcat/Idle	12/09/2015	CAT	2013
Roller/Idle	12/09/2015		
Concrete Vibrator	12/09/2015		

Backhoe/Idle	13/09/2015	JCB	2011
Bobcat/Idle	13/09/2015	CAT	2013
Roller/Idle	13/09/2015		
Backhoe/Idle	14/09/2015	JCB	2011
Bobcat/Idle	14/09/2015	CAT	2013
Roller/Idle	14/09/2015		
Backhoe	15/09/2015	JCB	2011
Bobcat/Idle	15/09/2015	CAT	2013
Roller/Idle	15/09/2015		
Backhoe	16/09/2015	JCB	2011
Bobcat	16/09/2015	CAT	2013
Backhoe	17/09/2015	JCB	2011
Bobcat/Idle	17/09/2015	CAT	2013
Backhoe/Idle	18/09/2015	JCB	2011
Bobcat/Idle	18/09/2015	CAT	2013
Backhoe	19/09/2015	JCB	2011
Bobcat/Idle	19/09/2015	CAT	2013
Welding Machine	19/09/2015		
Winch	19/09/2015	DAF	1996
Backhoe	20/09/2015	JCB	2011
Bobcat/Idle	20/09/2015	CAT	2013
Excavator	20/09/2015	FIAT	2007
Backhoe	21/09/2015	JCB	2011
Bobcat/Idle	21/09/2015	CAT	2013
Backhoe	22/09/2015	JCB	2011
Bobcat/Idle	22/09/2015	CAT	2013
Backhoe/Idle	23/09/2015	JCB	2011
Bobcat/Idle	23/09/2015	CAT	2013
Backhoe/Idle	9/24/2015 to 9/28/2015	JCB	2011
Bobcat/Idle	9/24/2015 to 9/28/2015	CAT	2013
Concrete Vibrator	28/09/2015		
Backhoe/Idle	29/09/2015	JCB	2011
Bobcat	29/09/2015	CAT	2013
Backhoe/Idle	30/09/2015	JCB	2011
Bobcat	30/09/2015	CAT	2013

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

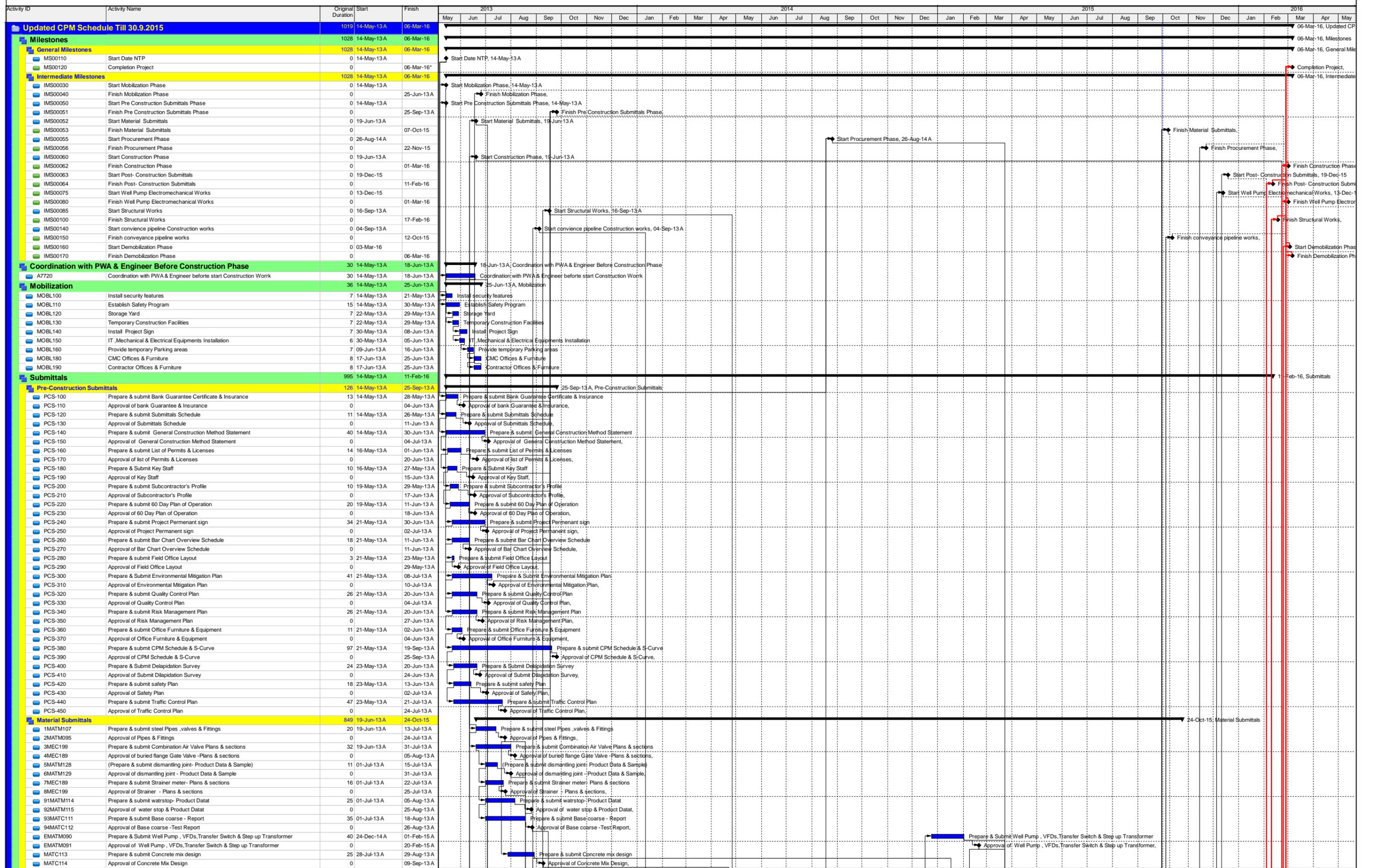
Risks and Mitigation Measures



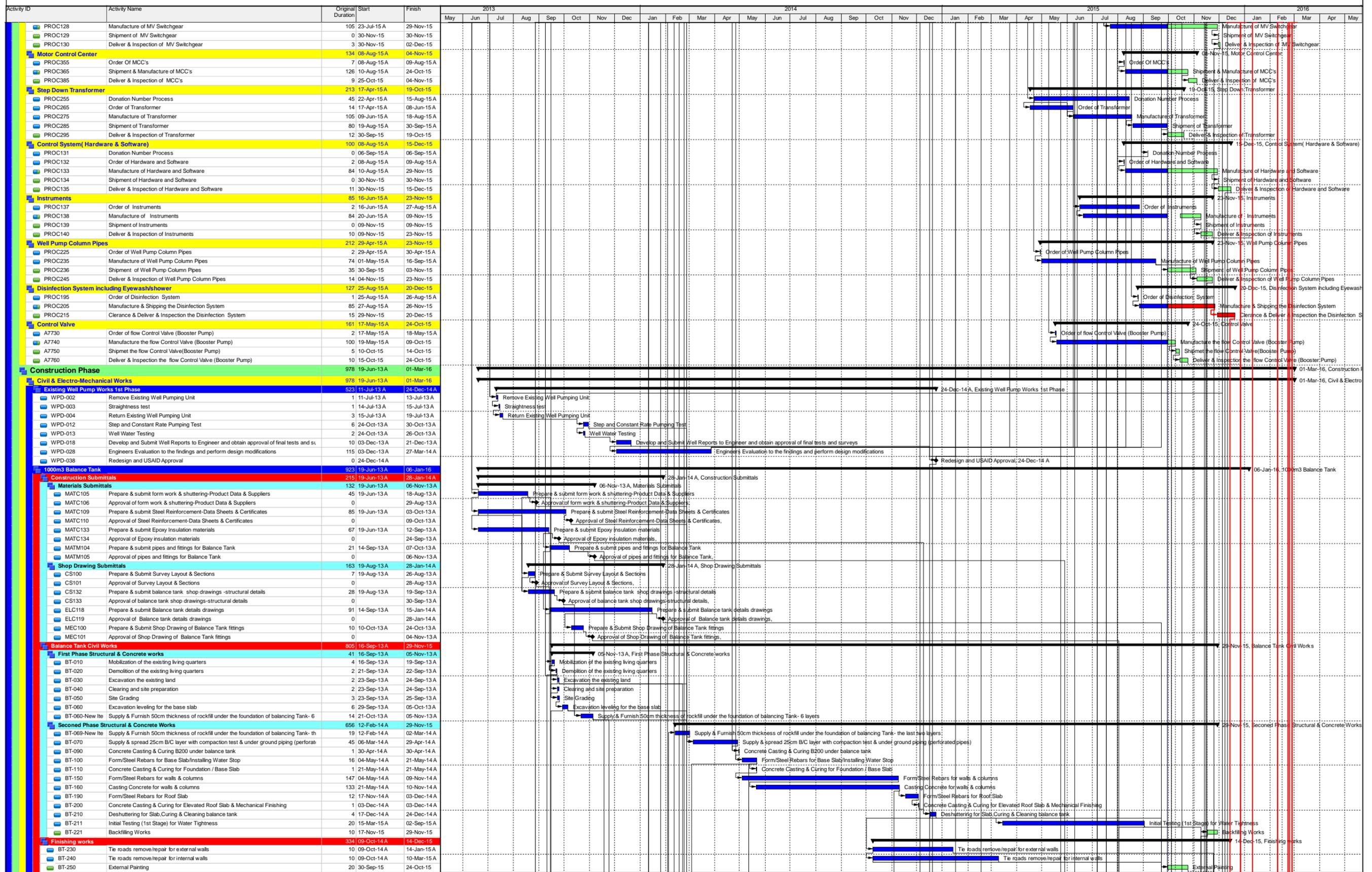
Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

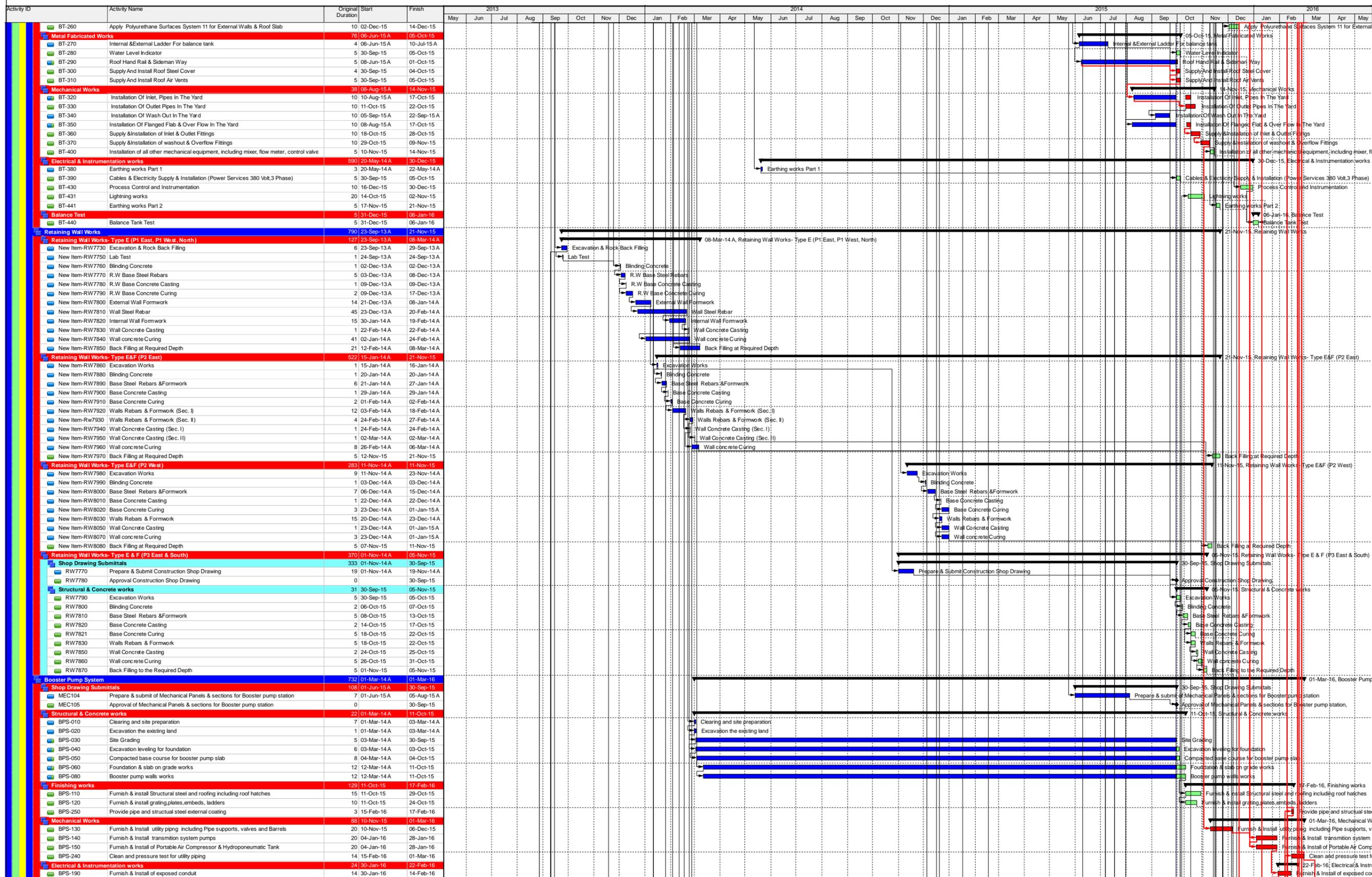
updated Schedule



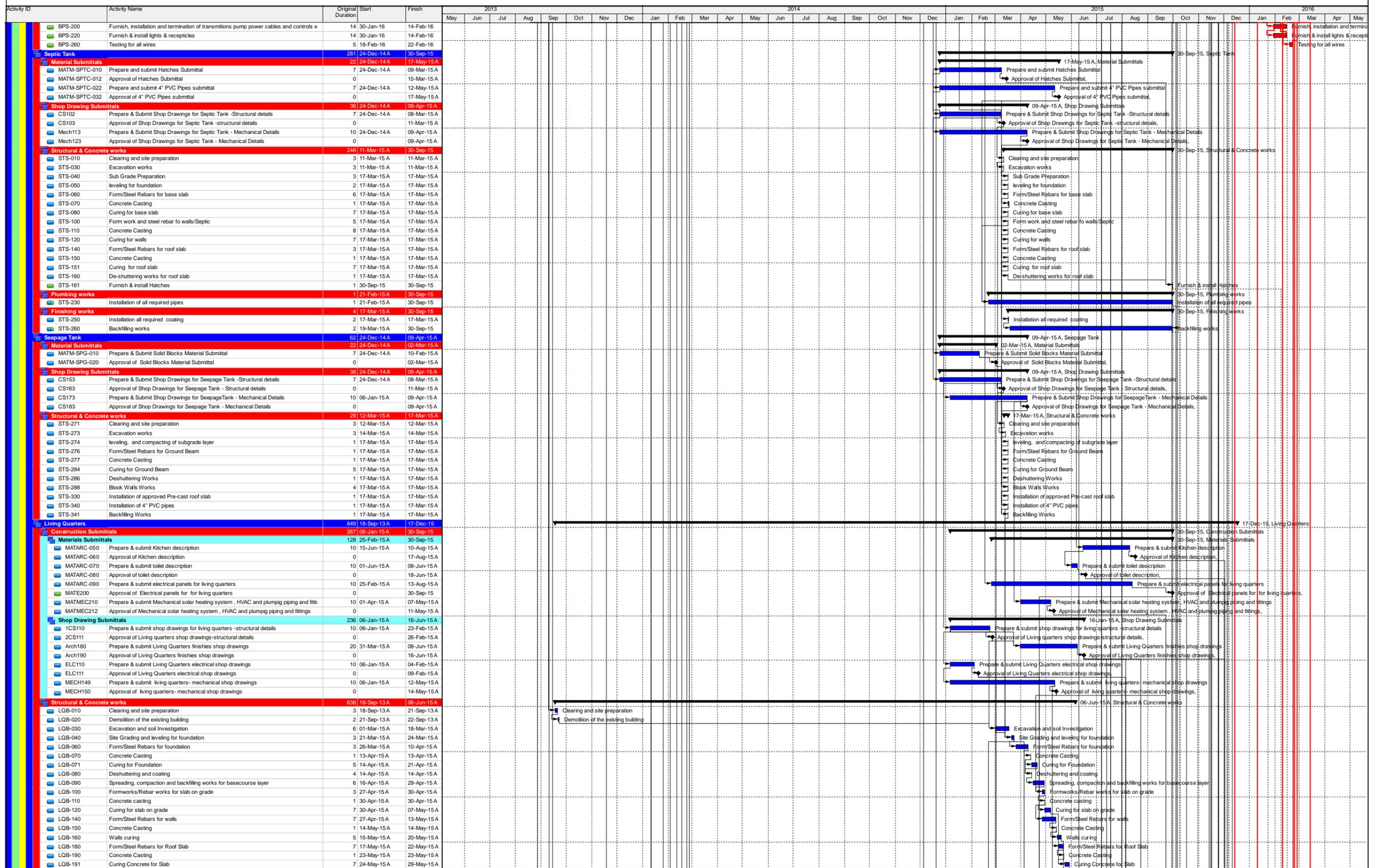
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
 █ Actual Work
 █ Critical Remaining Work
 ◆ summary



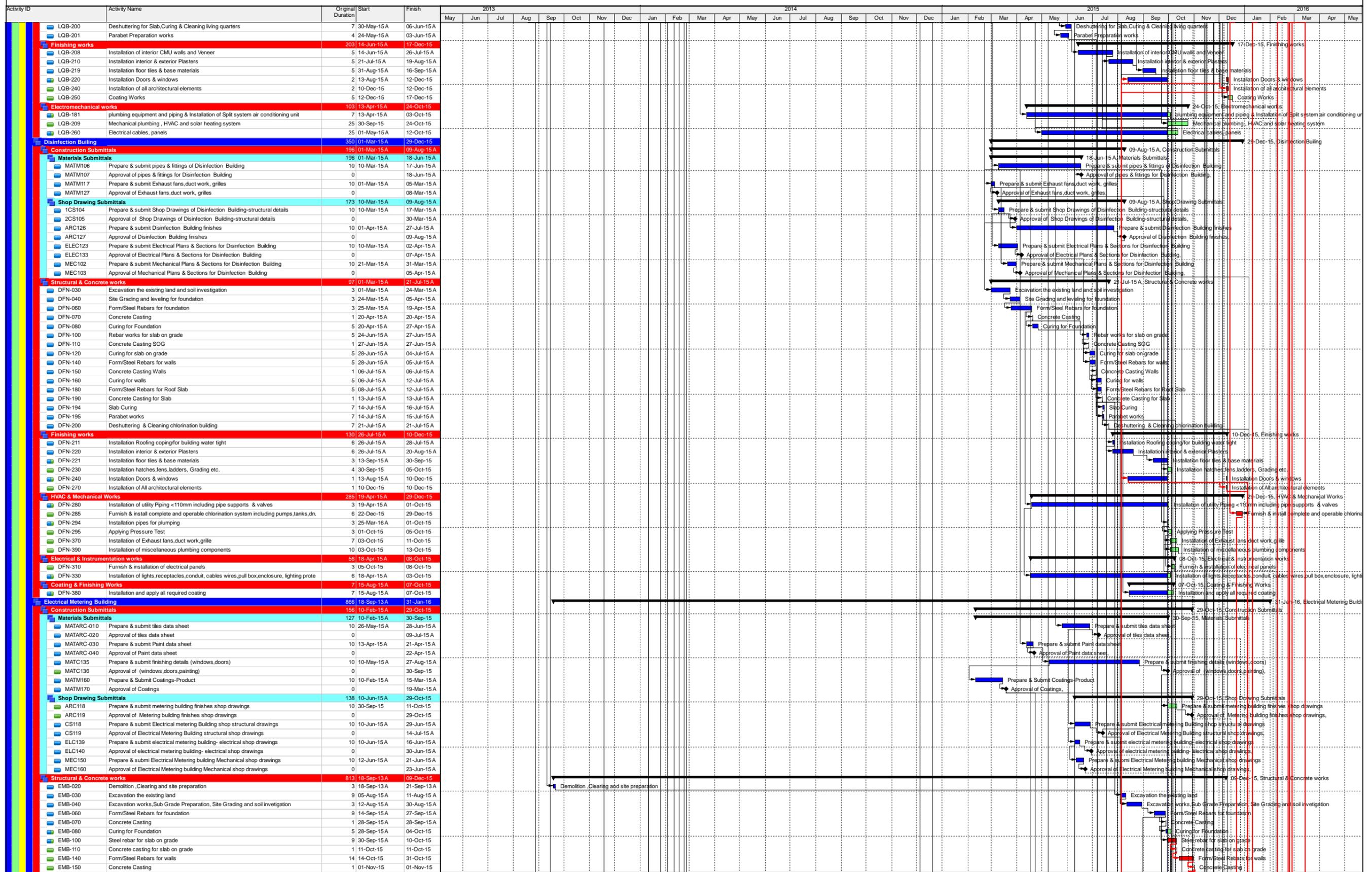
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary



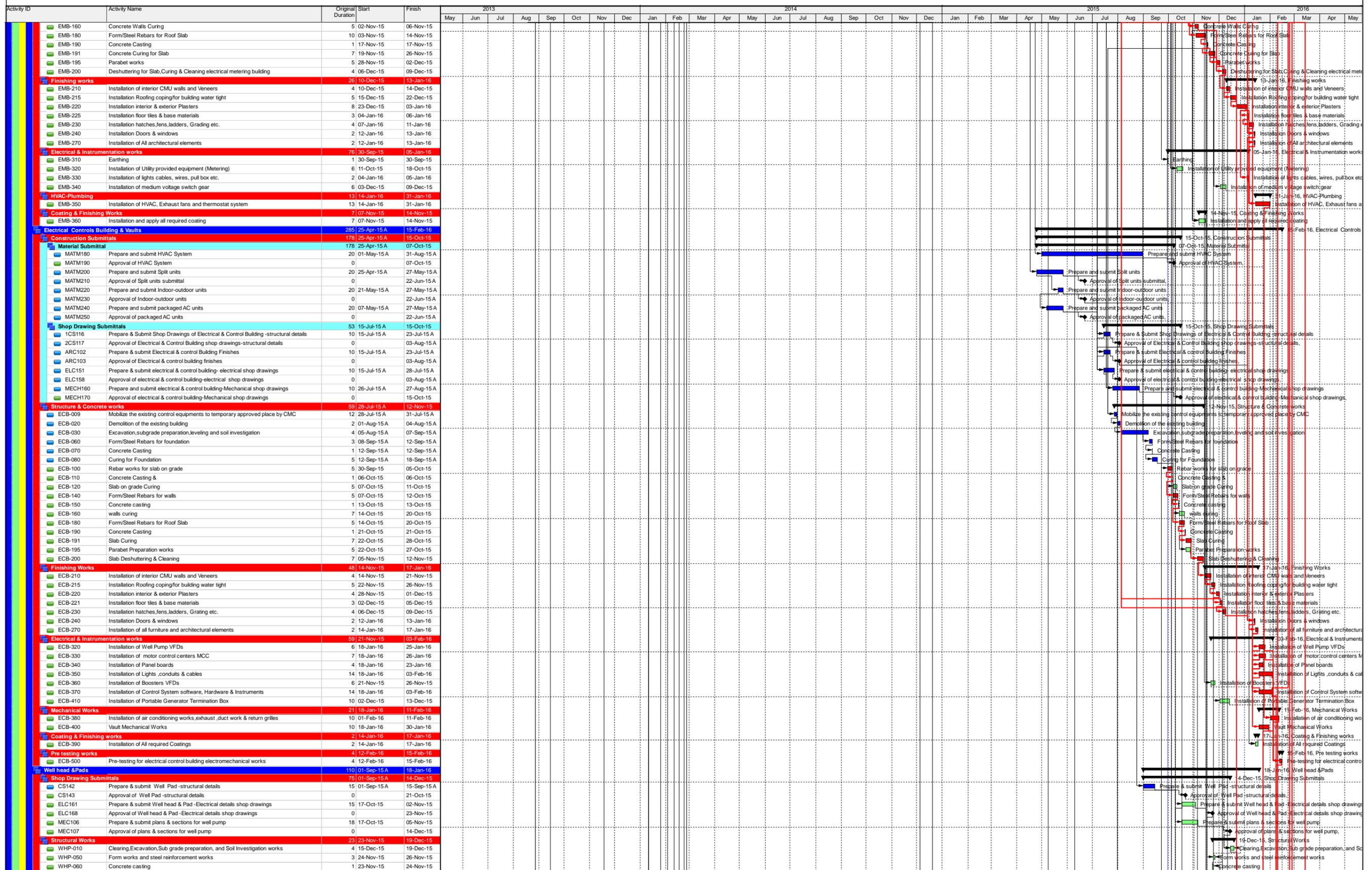
█ Actual Level of Effort █ Remaining Work ◆ Milestone
█ Actual Work █ Critical Remaining Work ▶ summary



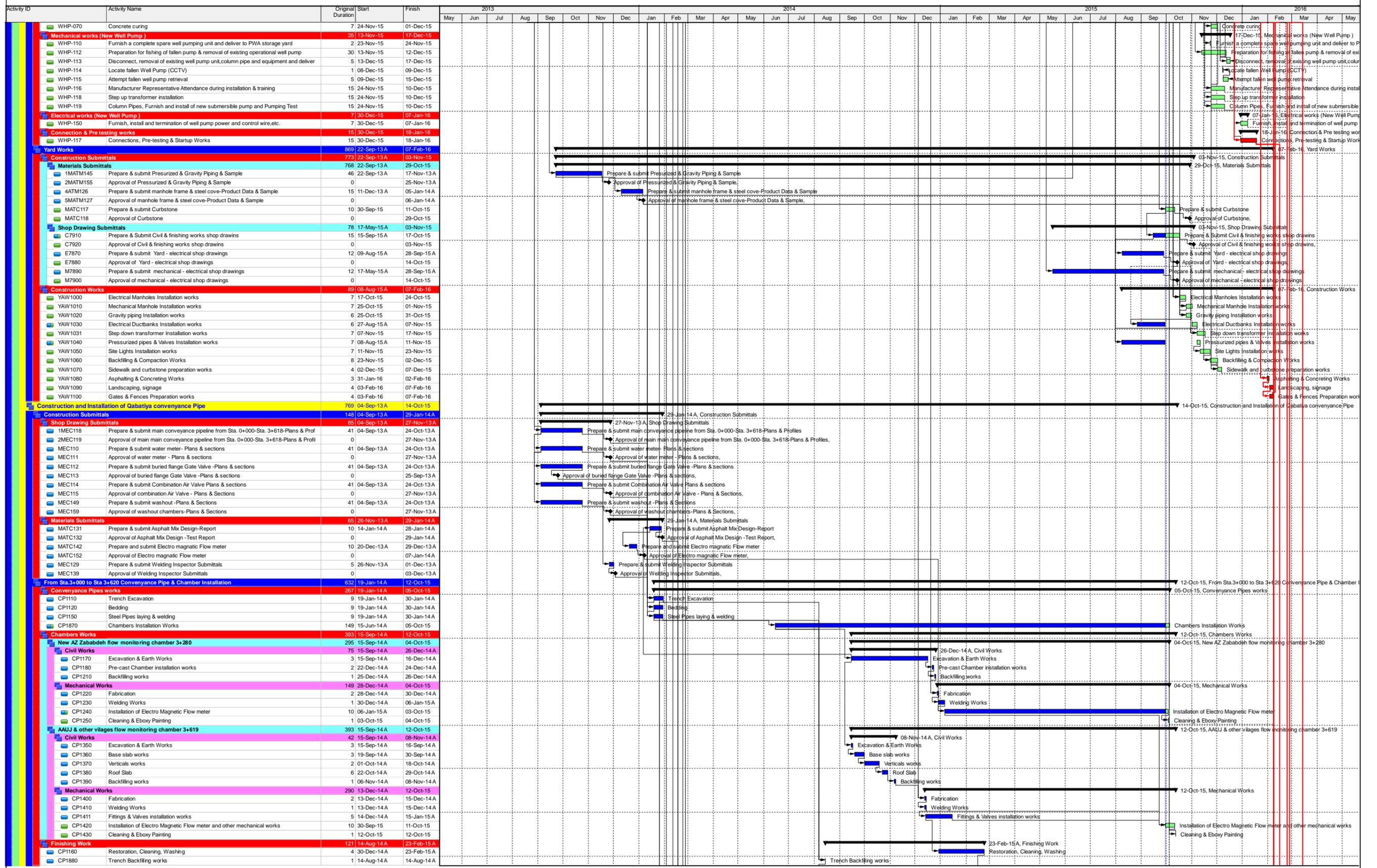
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary



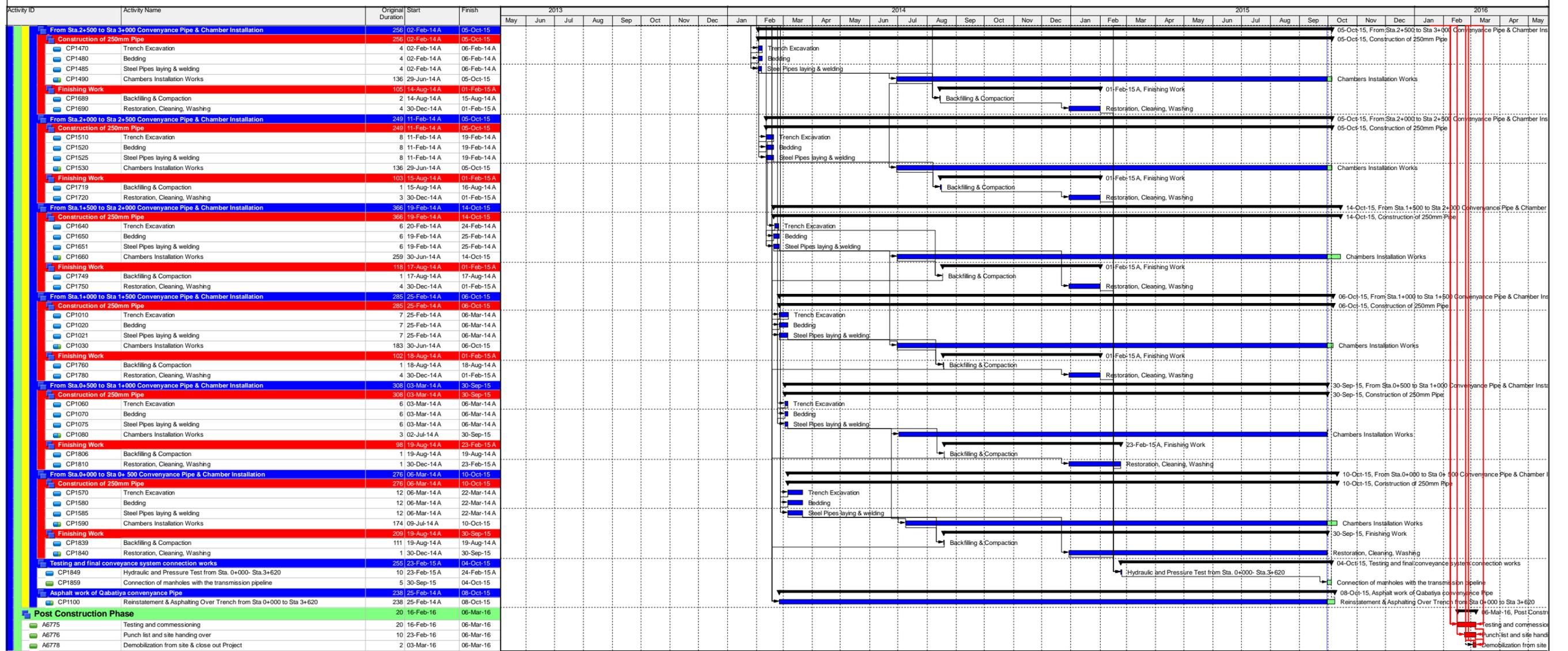
█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary



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



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 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▶ summary



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