



USAID | **WEST BANK/GAZA**
FROM THE AMERICAN PEOPLE

Local Construction Program (LCP)
Task Order No.: AID-294-TO-15-000001
Contract No.: AID-294-I-00-13-00002

Hebron WWTP Access Road

FINAL REPORT

December 15, 2014 to October 01, 2015

Prepared By:
SAQQA AND KHOUDARY CO. LTD.

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List of Abbreviations

CD	Calendar Day
CE	Chief Engineer
CEng	Contracts Engineer
CMC	Construction Management Contractor
CO	Contracting Officer
COB	Close of Business
COP	Chief of Party
COR	Contracting Officer Representative
CQC	Contractor Quality Control
CQCP	Contractor Quality Control Program
CRMP	Construction Risk Management Plan
CV	Curriculum Vita
DCL	District Civil Liaison
FO	Field Order
IQC	Indefinite Quantities Contract
MRR	Material Receiving Report
NCN	Non Compliance Notice
NUC	Notice of Unsafe Conditions
O&M	Operation and Maintenance
OSHA	Occupational Safety and Health Act (both Federal and State)
PA	Palestinian Authority
PCO	Project Control Officer
PIO	Public Information Officer
PM	Project Manager
PSU	Program Support Unit
PWA	Palestinian Water Authority
QA	Quality Assurance
QC	Quality Control
RE	Resident Engineers
RFI	Request For Information
RFTOP	Request for Task Order Proposal
SAK	Saqq & Khoudary General Contracting co.
TO	Task Order
TOL	Task Order Leader
TOM	Task Order Manager
SOP	Standard Operating Procedure
USAID	United State Agency for International Development
VO	Variation Order
VOR	Variation Order Request
WBG	West Bank Gaza
WBWD	West Bank Water Department



1. Task Order Overview:

1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) 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.

Roads Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects.

1.2. Project Objective

The objective of this Task Order is to provide access to the proposed Hebron Regional Waste Water Treatment Plant (WWTP) located to the south of Hebron City. The access road is a key element of this important project which will yield substantial environmental, health, and resource benefits to the people of Hebron.

1.3. Statement Of Work

This project includes the following activities:

- Construction of approximately 1.8 km two lane access road to the proposed Hebron WWTP including the following features:
 - Asphalted sidewalks/shoulders.
 - Box culverts.
 - Retaining structures.
 - Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
- Rehabilitation of approximately 0.25 km of existing paved road including the following features:
 - Widening of the existing road
 - Asphaltting – Milling & Overlay
- Construction of water and sewer utilities as follows:
 - 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.
 - Construction of approximately 542.75 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.
 - Installation of normal propeller water flow meters instead of magnetic water flow meters as per VO #01.

1.4. Overview Map

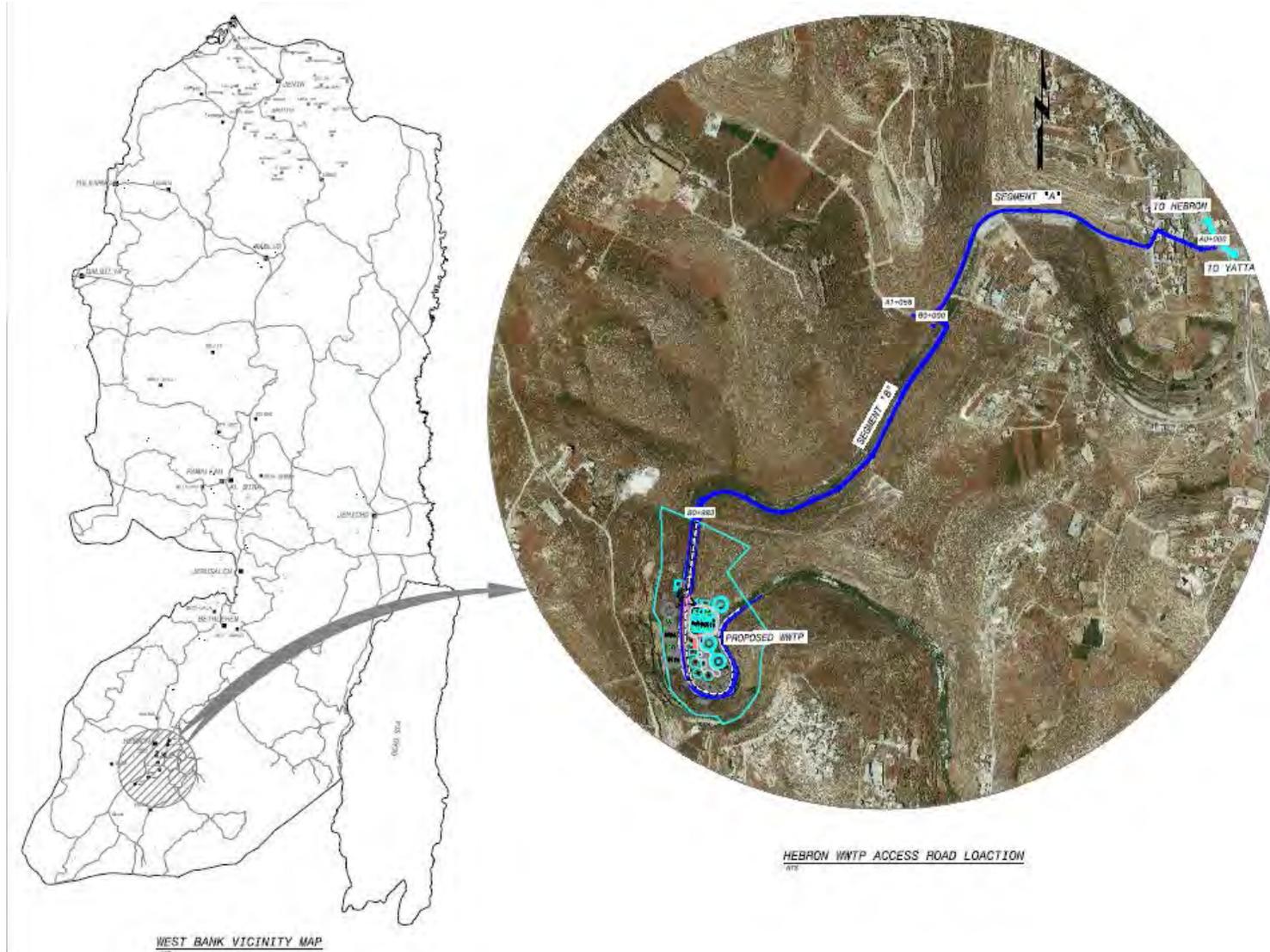


Figure 1: Hebron WWTP Access Road



Figure 2: Start of Segment A -Hebron WWTP Access Road



Figure 3: Start of Segment B and Storage Yard- Hebron WWTP Access Road



2. Task Order Key Data

Task Order Name	Hebron WWTP Access Road
Project Location	South Hebron City
Contract Number	AID-294-I-00-13-00002
Task Order Number	AID-294-TO-15-000001
Owner	Palestinian Ministry of Public Works & Housing
Client	USAID West Bank and Gaza
Contractor	Saqqa and Khoudary Co. Ltd. (SAK)
CMC	Black and Veatch (BV)
Original Task Order Contract Value	\$2,598,705.00
Original Project Total Amount	\$2,448,705.00
Original Day work amount	\$150,000.00
Modified Project Total Amount as per VO #3	\$ 2,549,864.54
Modified Day work Amount as per VO #3	\$ 48,840.46
Notice To Proceed	December 15, 2014
Original Period Of Performance	240 calendar day
Modified Period Of Performance as per VO #2	291 calendar day
Original Contractual Completion Date	August 11, 2015
Approved Time Extensions as per VOs	51 days
Modified Completion Date as per VO #2	October 01, 2015
Estimated Completion Date	October 01, 2015
Final Acceptance Certificate Issuance Date	October 01, 2015
Start of Construction (Ground Breaking)	February 12, 2015
Project Key Personnel	Task Order Manager: Sameer K.El Khaldi
	Quality Control Manager: Mohammad A.Abu Zeina
	Safety & Environmental Compliance Officer: Omar M. Qasem Al Qaisi.
	Project Engineer: Amer Azazmeh
	Surveyor: Raafat Atef Abu Saymeh



3. SAK General Plan and Work Plan:

- Saqqa and Khoudary executed and performed the task order through its own resources and equipment.
- SAK used the CPM scheduling technique to plan, schedule, tracking and control the performance of work prior, during, and after construction period of the project.
- The Original Baseline Schedule comprised all the detailed construction-related activities using the critical path method (CPM). The Schedule provide sufficient detail and clarity to reflect the intricacies and interdependencies of activities so SAK can plan, schedule, monitor, control and report on the progress of his work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.
- The original CPM Schedule show detailed construction-related activities for the entire project including preconstruction, construction and post construction Phase, which consist of mobilization, permit acquisition, submittals necessary for material and equipment procurement, submittals necessary for long lead equipment procurement, shop drawing and method statement submittals. In addition to the required activities for commissioning, training and start up.

Saqqa and Khoudary established the original schedule as follows:

- The project was divided to three main phases; Preconstruction Phase, Construction Phase and Post Construction phase, in addition to the general and intermediate milestones.
 - The **Preconstruction Phase** consist the following:
 - List of Preconstruction Submittals activities submitted during the mobilization period and prior to commencement of any construction activities.
 - List of mobilization activities completed during the initial 30 days after Notice to Proceed (NTP).
 - Coordination activities were scheduled to start immediately after NTP.
 - The **Construction Phase** consist the following activities:
 - Construction submittals that include material submittals activities for long lead items including sewer pipes, Construction shop drawing submittals activities for pipelines and chambers, and construction method statement submittals.
 - Procurement activities are planned to be started immediately following approval of long lead items submittals.
 - Execution activities for the three project component:
 1. Construction of an approximately 1.0 km two lane access road to the proposed Hebron WWTP including the following features:
 - Asphalted sidewalks/shoulders
 - Box culverts
 - Retaining structures
 - Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
 2. Rehabilitation of approximately 1.1 km of existing paved road including the following features:
 - Widening of the existing road.
 - Asphaltting – Milling & Overlay
 3. Construction of water and sewer utilities as follows:
 - 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.



- Construction of approximately 600 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.
- The above work was scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.

The general sequence of work will be as follow:

A. Segment A:

1. Install of 4” steel pipes includes the road reinstatement.
2. Excavation for widening the road from the left side.
3. Excavation for widening the road from the right side.
4. Removal of the existing asphalt layer.
5. Subgrade Preparation.
6. Base course layer.
7. Asphalt binder course.

B. Segment B:

A. Sta: 0+000 to Sta: 0+070:

1. Excavation.
2. Construct of Box Culvert and extension retaining walls.
3. Install of 2” pipeline.
4. Base course works.
5. Asphalt works.

B. Sta: 0+070 to Sta: 0+230:

1. Cut/Fill.
2. Construct of retaining walls.
3. Construct of Pipe culvert.
4. Install of 2” pipelines.
5. Subgrade level.
6. Base course works.
7. Asphalt works.

C. Sta: 0+230 to Sta: 0+983:

1. Cut/Fill.
2. Install of 2” pipelines.
3. Subgrade level.
4. Base course works.
5. Asphalt works.

C. Sewer Pipes (Concrete Pipes)

1. Install of concrete pipes (Φ 60”).
2. Install of 14 chambers.

The results of such sequence of work were:

- Construction works of a total of 859.00 lm of Segment A.
- Construction works of a total of 988.00 lm of Segment B
- Construction of total of 174.00 lm of access road at Segment A (at Sta. 0+230 LHS).
- Construction of total of 60.00 lm of access road at Segment B (at Sta. 0+440 LHS).
- Milling and overlay of a total of 187.00 l.m from Sta.0+000 to the start of construction.
- Milling and overlay of a total of 115.65 l.m at the intersection of the main road.
- Milling and overlay of a total of 31.00 l.m at Sta.0+180 LHS.



- Installation of a total of 1,062.29 l.m of 4” Water pipeline.
- Installation of a total of 1,036.47 l.m of 2” Water pipeline.
- Installation of a total of 542.75 l.m of Φ 150 cm sewer pipelines

- The **Post Construction** Phase consist the following activities:
 - Post Construction submittals that include warranties, operation and maintenance manual submittals activities.

For further information, please refer to Annex N



4. As Built Drawing Sections:

Segment A:

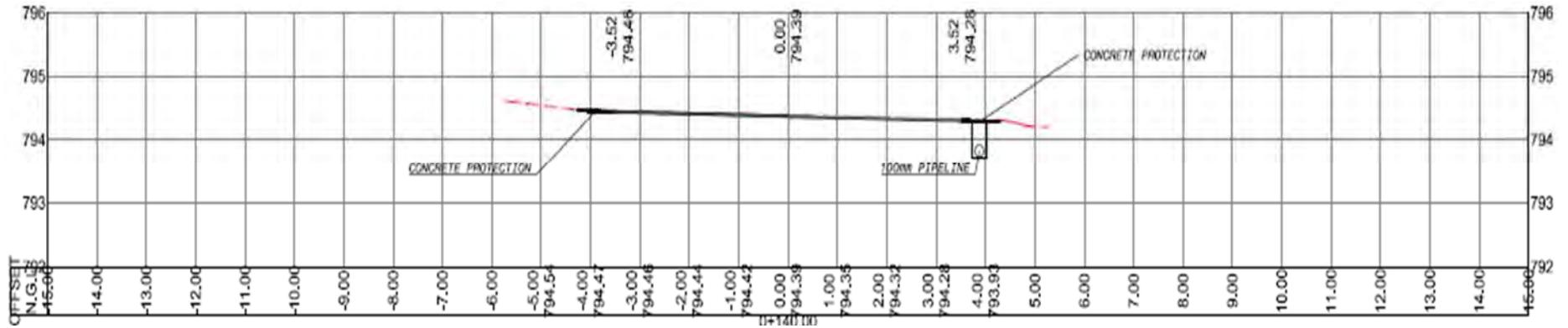


Fig. 4: Segment A -As Built Cross Section at Sta.0+140

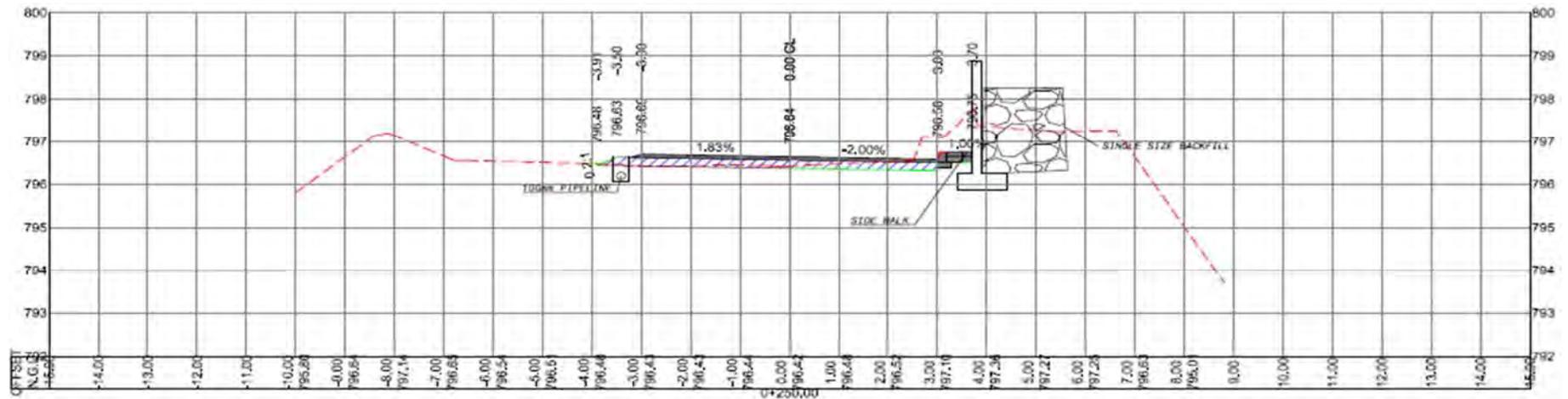


Fig. 5: Segment A -As Built Cross Section at Sta.0+250



Segment B:

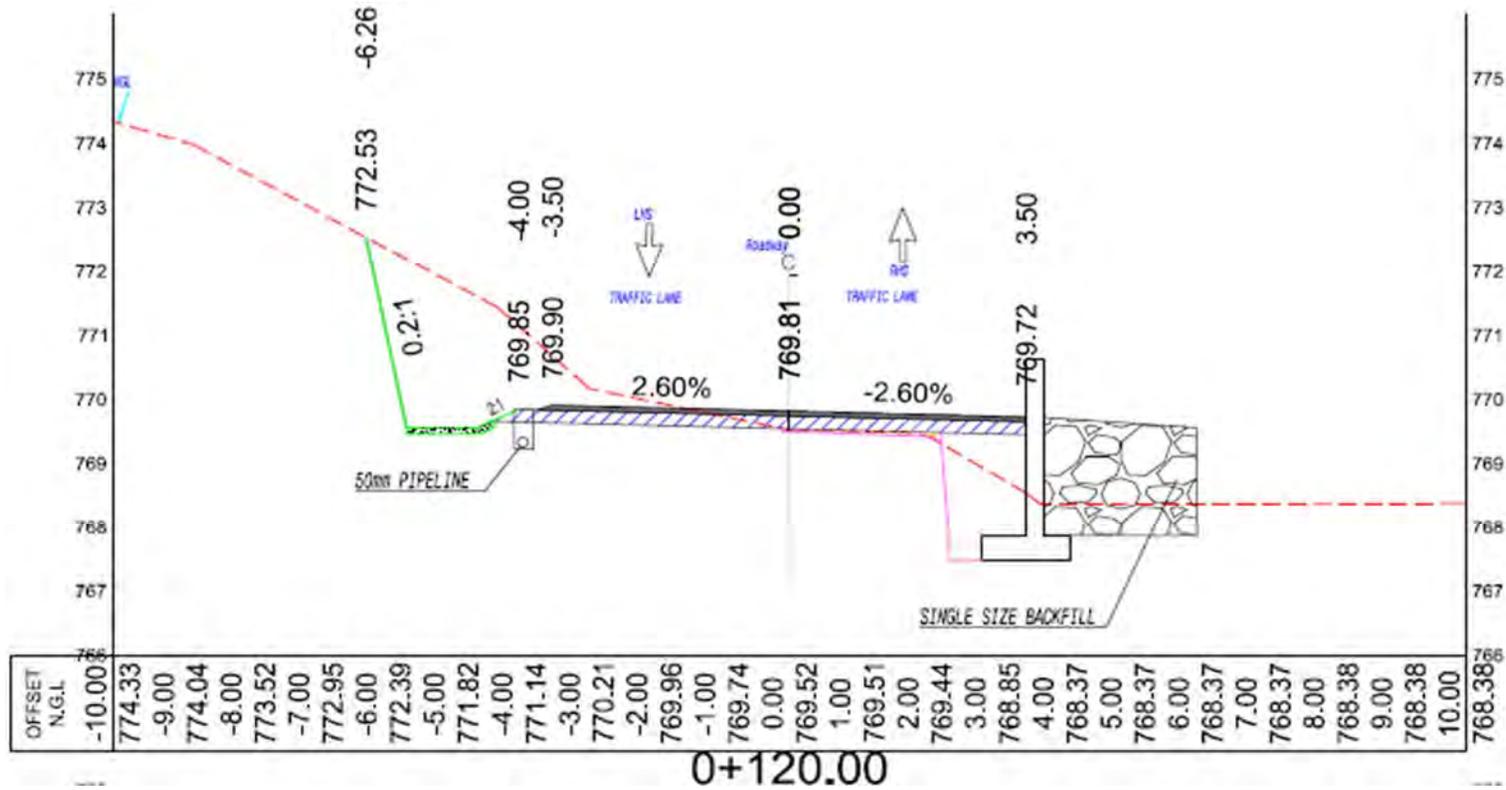


Fig. 6: Segment B -As Built Cross Section at Sta.0+120

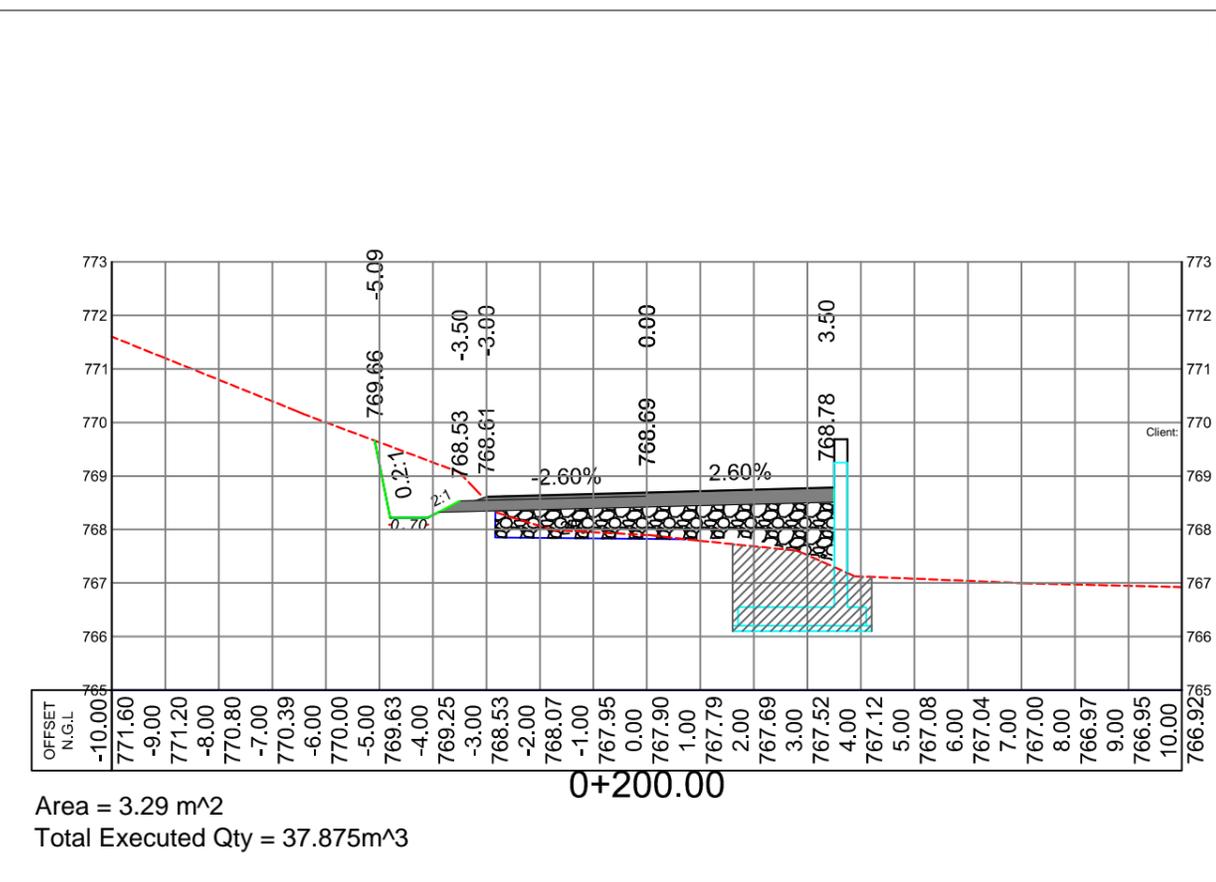
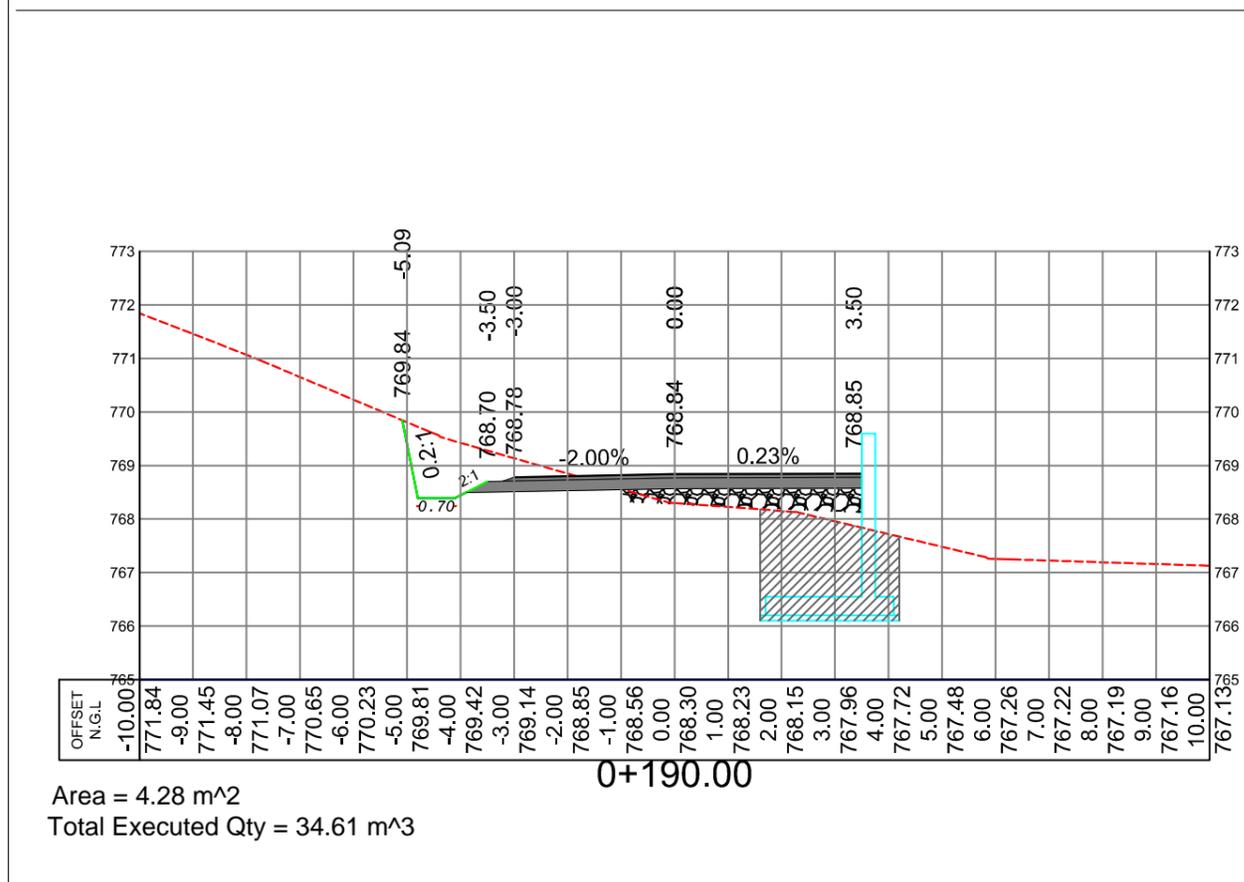
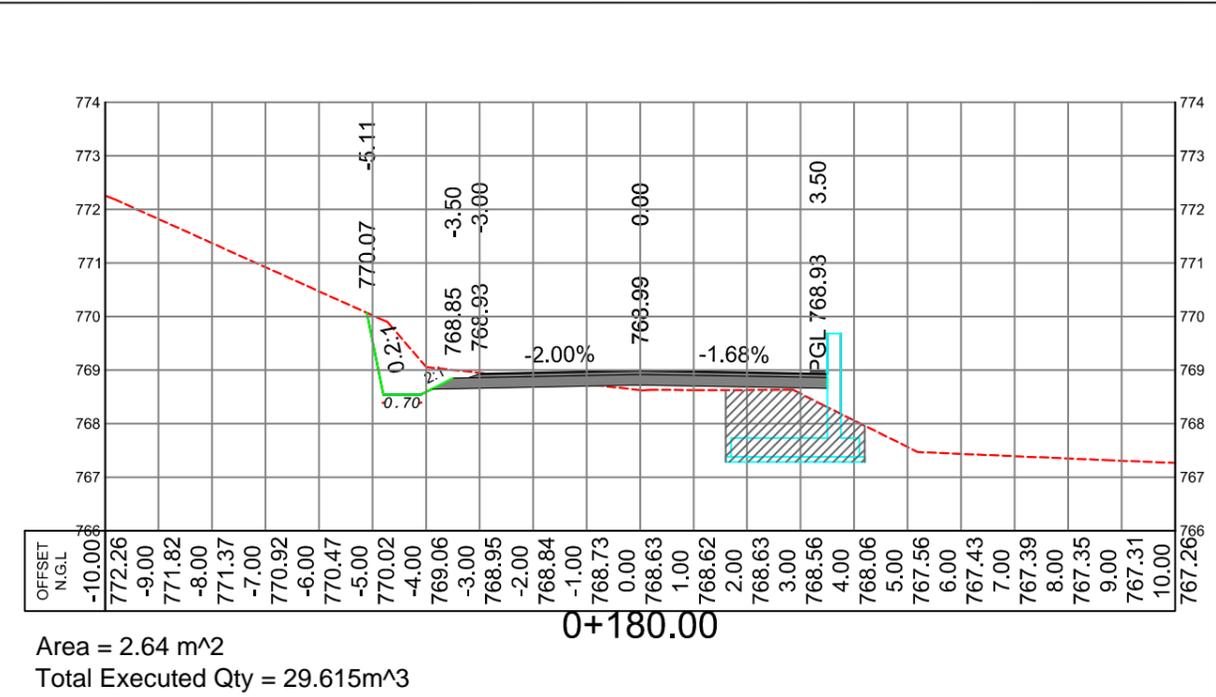
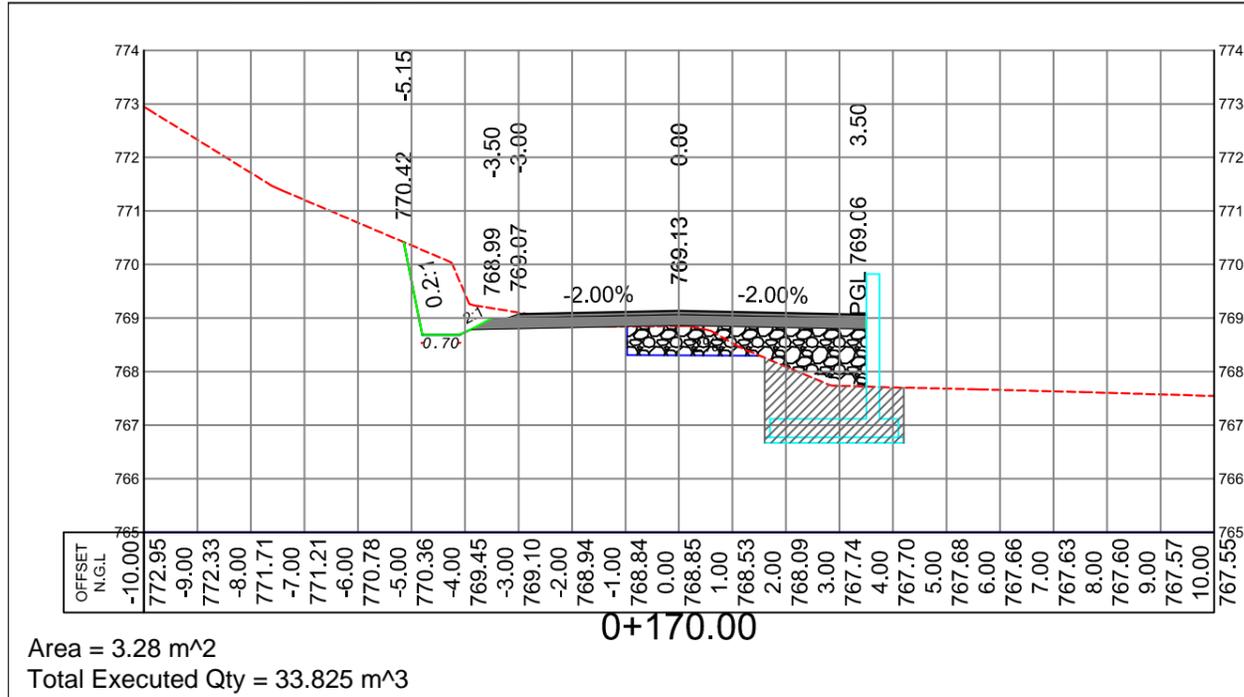


Fig.7: As Built Retaining Walls

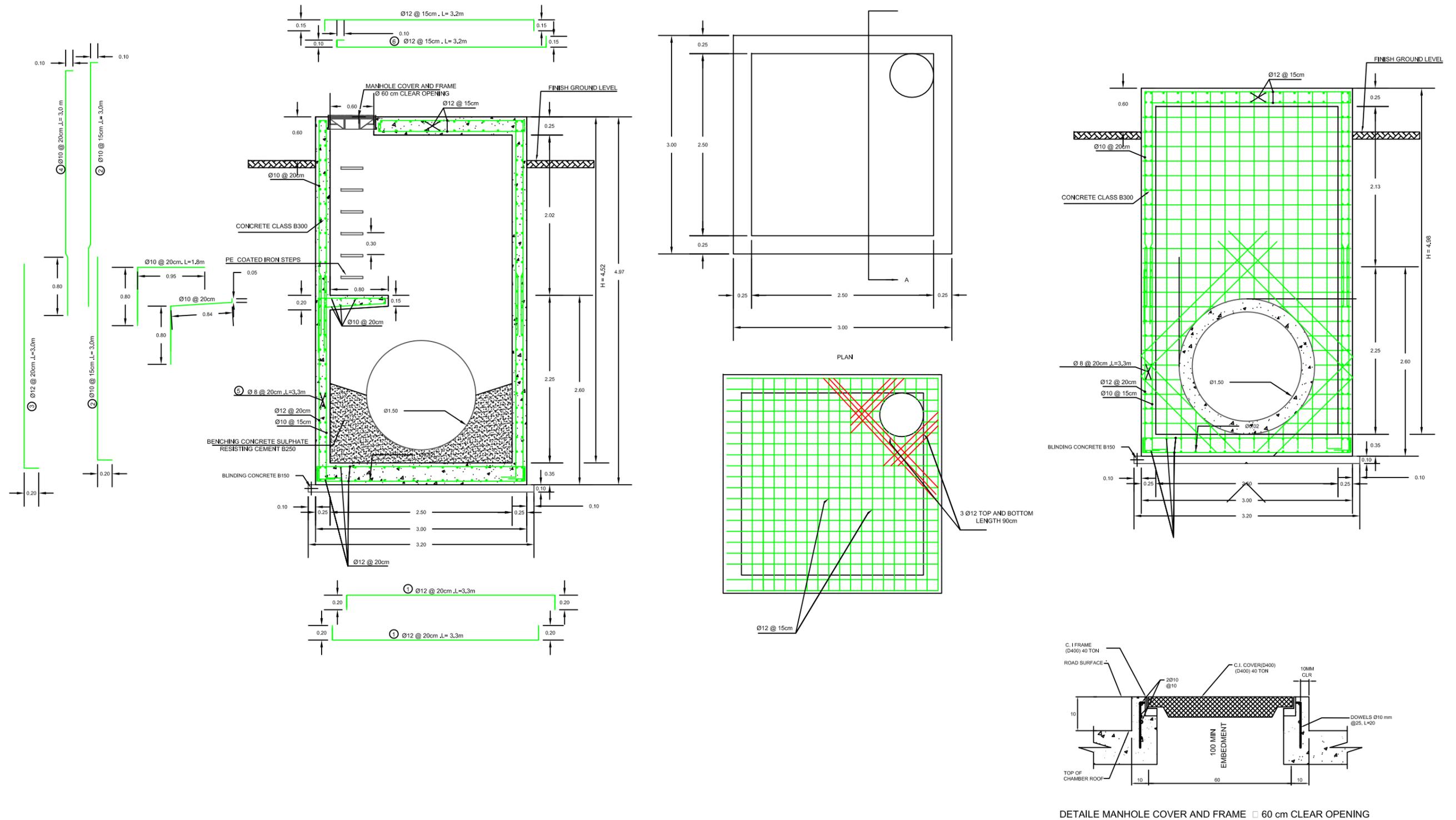
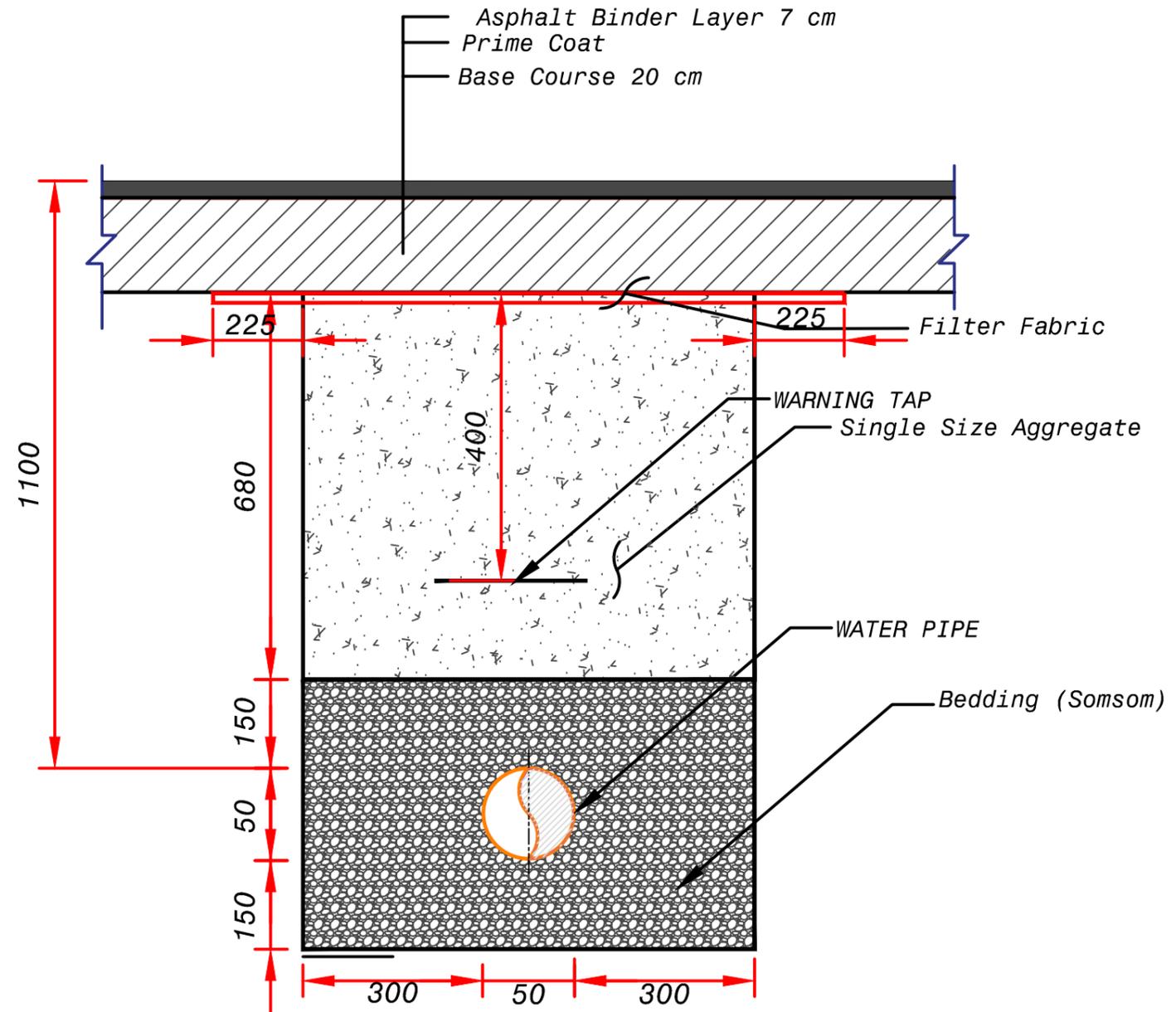


Fig. 8: Typical as built Sewer Manhole Detail



Typical Section
Trench 50mm
FROM STA 0+000 TO 0+984

Figure 9: Typical Sections for water pipes (50 mm)

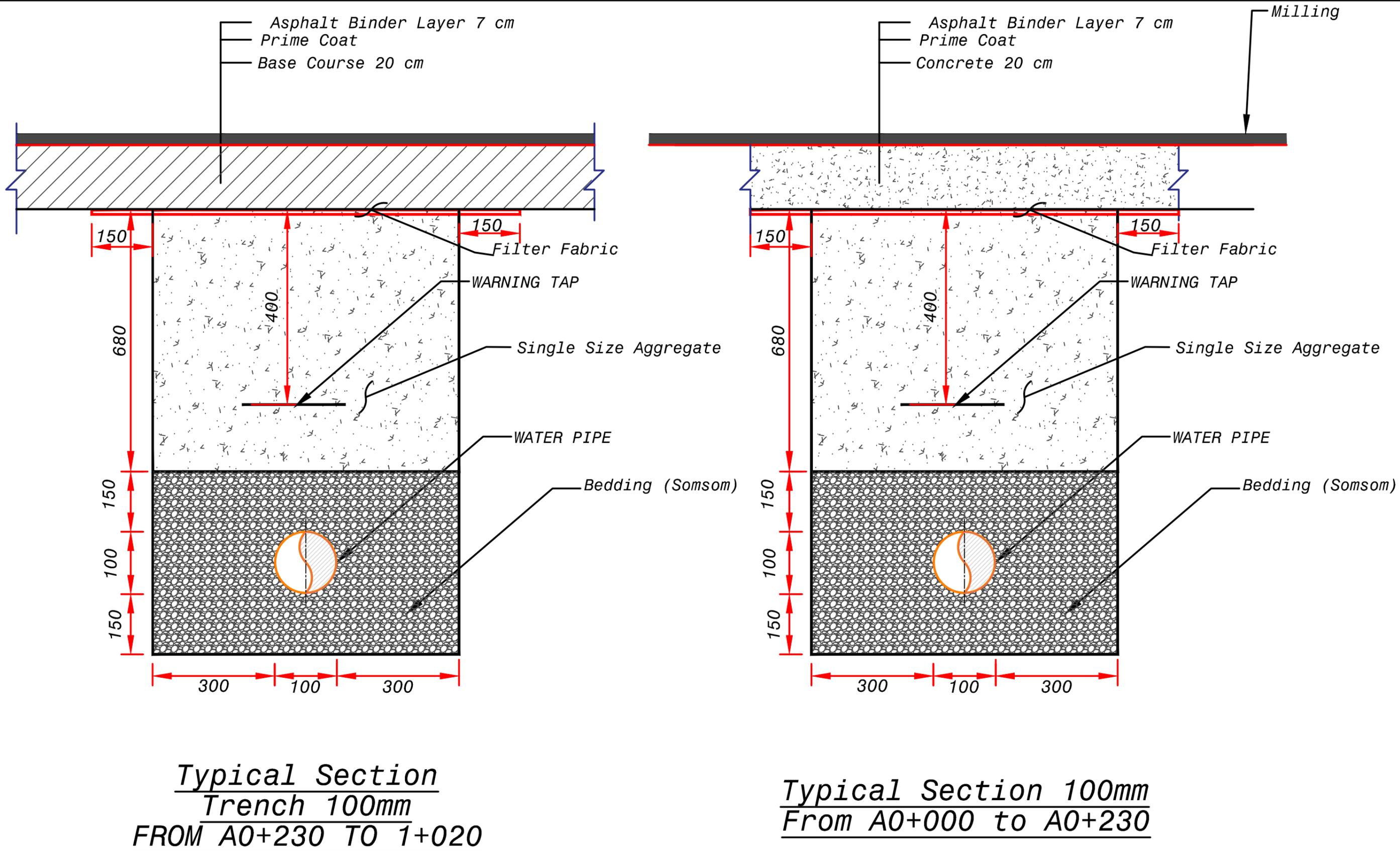


Figure 10: Typical Sections for water pipes (100 mm)



5. Site Facilities:

During the road construction, facilities were provided to assist workers, engineers and all staff to accomplish their job with maximum effectiveness. Field office services (one primary office) were provided including electricity, telephone services and internet connections. Office Furniture was provided as required by the contract documents. The fully furnished and equipped office facilities were essential to accomplish the work tasks and manage the onsite construction operations. Approved storage, staging and dumping locations were used during the construction phase. Lists for the nearest hospital, clinic, civil defense and police centers with full contact information were provided to CMC, subcontractor’s prior starting construction.

Both site offices for SAK and CMC were located in the same building. Table 1 summarizes the areas and locations for both of them.

Table No.1: CMC & SAK’s Offices Location:

Site Office	Location	Coordination	Area
CMC Office	Hebron	E: 160949.4916, N: 99984.3763	170 sq.m
SAK Office	Hebron	E: 160949.4916, N: 99984.3763	170 sq.m

Table No.2: CMC Office Furniture, computer systems:

Description	Quantity
Pneumatic executive chairs for offices and meeting room	23
Cushioned Metal Chair (visitor chairs)	12
Conference Table 3600 x 1200 mm	1
Engineer Office 1800 mm x 1400 mm	1
Engineer Office 1200 mm x 160 mm	6
Four drawer high legal size filing cabinets, w/lock.	5
Closets: closets with locked doors.	5
Refrigerator/Freezer	1
Gas Cooking	1
Microwave	1
Cooler	1
Bottled Water	1 set /whenever needed
Wired Telephone	1 per each office
CO2 Fire Extinguisher	1
Powder Fire Extinguisher	1
Waste Basket	1 per each office
First Aid Kit	1
Bulletin boards 600 x 1200 mm	5
White boards 600 x 1200 mm	4
Coffee/Tea Maker	1
Set of tea cups	1 Set of tea and coffee cups (for 24persons)/Whenever needed
Set of coffee cups	1 Set of coffee cups (for 24 persons)/Whenever needed



All-in-One Machine (MFP-Multi Functional Printer)	1
Laser Printer	1
Printer for printing the CD covers	1
Uninterruptible Power Supply (UPS)	2
Digital Cameras	4
Laptop Computers	9
Desktop Computers	1
Facsimile Machine	1

Table No.3: Pictures of CMC and SAK's Offices:

	
Kitchen	Meeting Room
	
Office Room	Bathroom
	
Office Building	Office Building

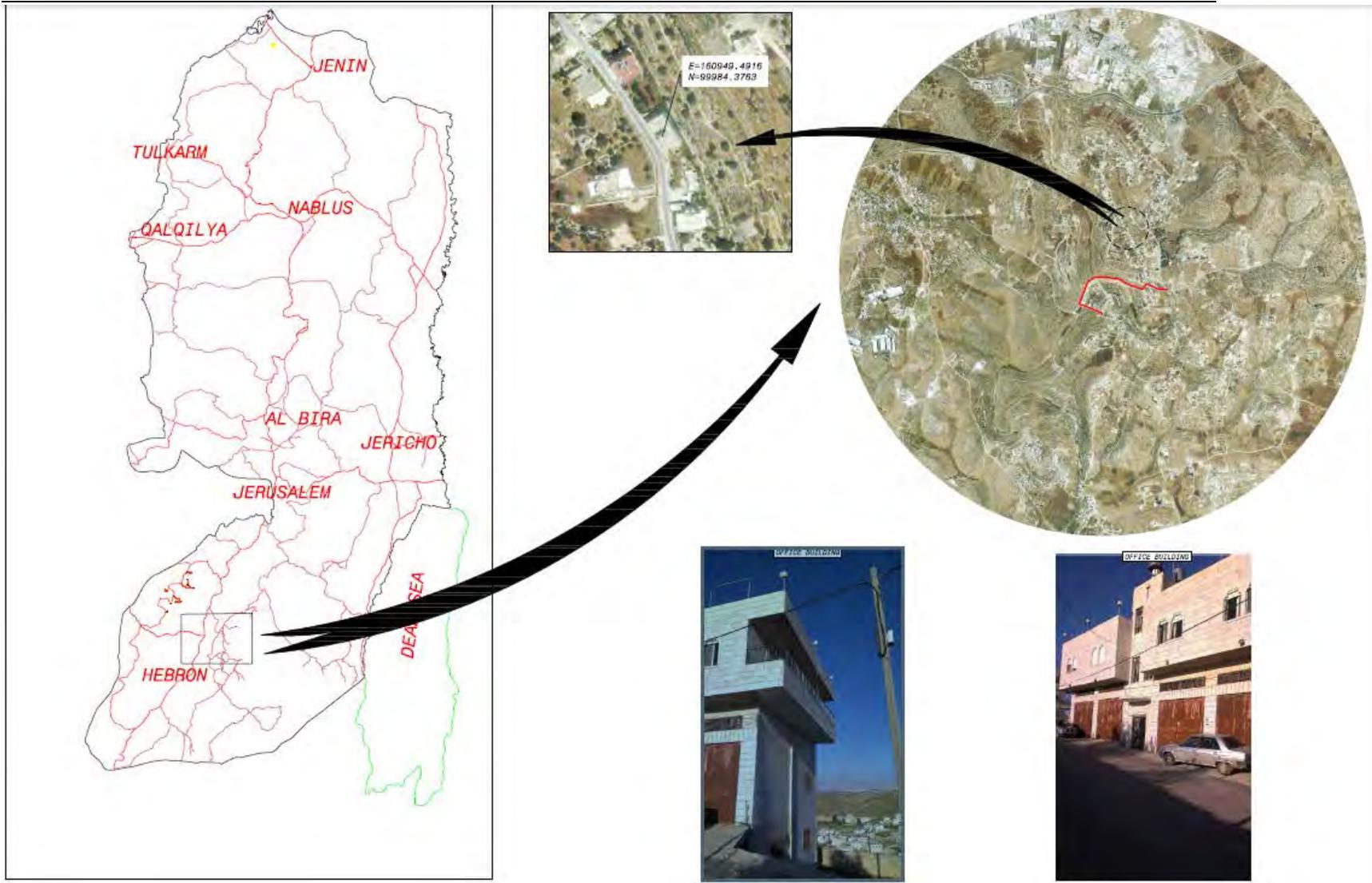
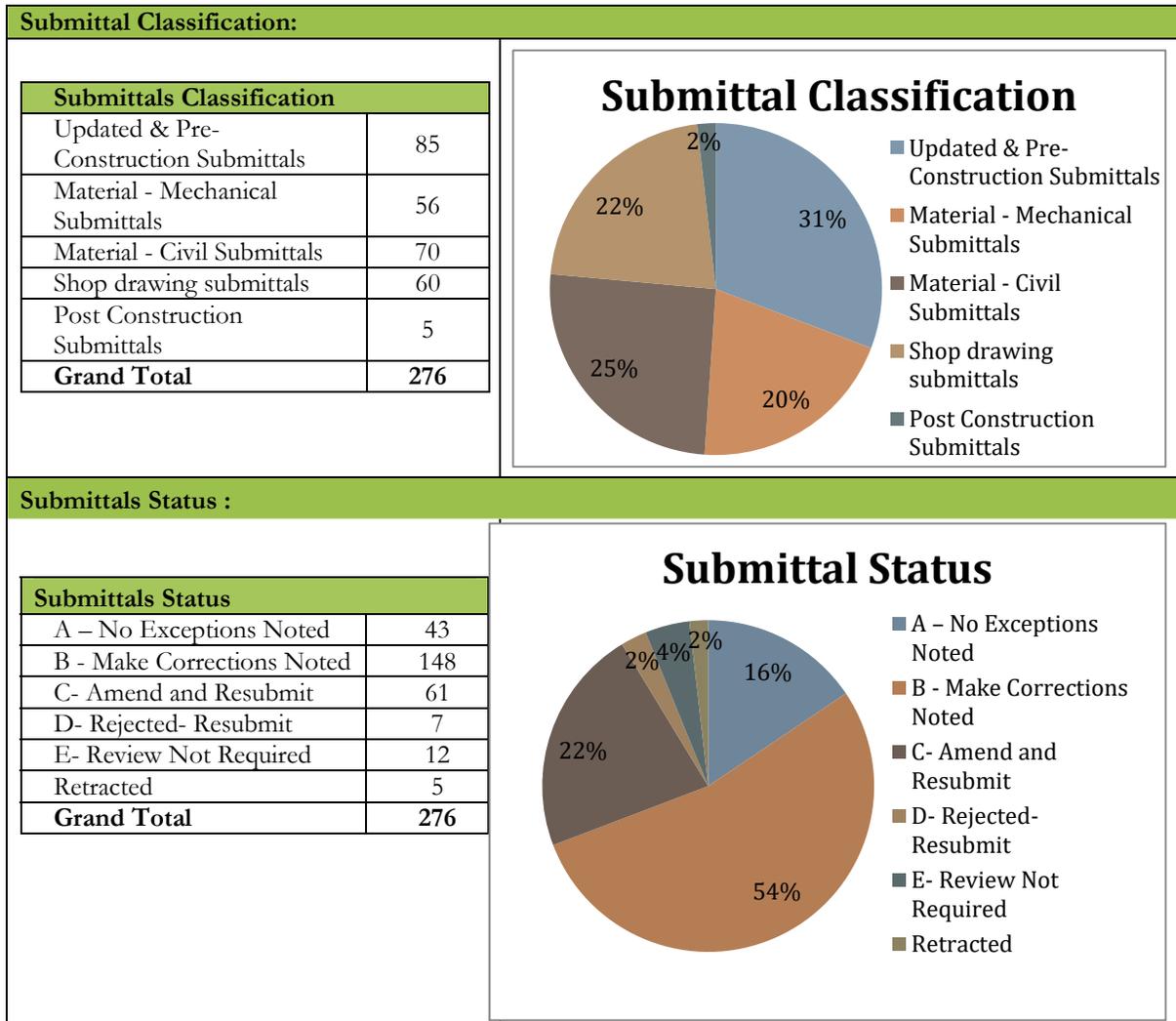


Fig. 11: Field Office Location



6. Submittals Status

During the preconstruction and construction phases, SAK submitted all of the submittals needed to complete the project activities. The following charts summarize the status of submittals:



For more information please refer to Appendix D

7. Work Progress:

Construction of the project (Groundbreaking) commenced on February 12, 2015. During the construction period, delays and obstructions occurred due to delay caused by landowners' objections on R.O.W, road alignment, excavation works and sub-grade width, design changes, additional scope of work, snow and hot weather and delay in shipping from outside West Bank .The delays were largely mitigated by working on holidays, additional hours, night shifts and by utilizing additional workforce, however time extensions were necessary.



The completion date was modified two times for this project (51 days- time extension to cover excusable delays) extending the completion date to October 01, 2015, a walkthrough was conducted on October 14, 2015 in addition to another one conducted by USAID on October 27, 2015.

The following table summarizes the progress in the construction works of the project:

Date	Actual Completion Percentage	Planned Completion Percentage	Comments
December, 2014 & January, 2015	N.A*	N.A*	* Original Baseline Schedule was not approved
February, 2015	4 %	4.24%	
March, 2015	12.08 %	11.03 %	
April, 2015	18.23 %	19.19 %	
May, 2015	24.55 %	41.23 %	
June, 2015	28.80 %	79.78 %	33 days- time extension per VO#01
July, 2015	51.41 %	50.31 %	
August, 2015	90.04 %	97.36 %	
September, 2015	98.92 %	100 %	18 days- time extension per VO#02
October, 2015	100 %	100 %	Final Acceptance Certificate: October 01, 2015

The following table summarizes the total number of working and non-working days during this task order period:

Description	Days
Original Contractual Period of Performance.	240 Calendar Days
Total Excusable Delays/Approved Time Extensions	51 Calendar Days
Modified Period of Performance as per VO# 02	291 Calendar Days
Modified Completion Date as per VO#02	October 01, 2015
Accumulated Working Days	239 Calendar Days
Accumulated non-working days (holidays and weekends)	45 Calendar Days
Accumulated other non-working days (Hot/Snow/Rain)	7 Calendar Days

Table 4: Construction Photos

	
Storage yard preparation works	Excavation works at segment B



Insulation works



Pipe culvert works



Excavation works at segment A



Steel reinforcement works for retaining wall



Base course works



Asphalt works





Trench excavation works	Installation of 4' water pipeline
 <p>00/09/2015 10:18 AM</p>	 <p>08/12/2015 04:09 PM</p>
Box culvert at segment B	Concrete ditches works
 <p>2015/07/30 10:05</p>	 <p>10/08/2015 05:38 AM</p>
Steel reinforcement for HAR main water connection chamber	Installation of precasted manhole
 <p>08/17/2015 08:37 AM</p>	 <p>09/30/2015 03:39 PM</p>
Curbstone works	Thermoplastic paint works

8. Project Baseline & As-Built CPM Schedule & S-Curve

For more details, see Appendix K & L



9. Task Order Indicators

9.1 Roads Sector Task Order Contract Indicator 1: Number of kilometers of transportation infrastructure constructed or repaired through USG assistance.

This indicator is measured by the number of kilometers of transportation infrastructure, such as regional, main and local roads, which are constructed or repaired through USG assistance under this Task Order.

CMC has provided Sakka and Khoudary with the value of this indicator which equals 1,470 (Qelqes population as per PCBS))

The following table summarizes the total lengths of implemented roads :

Construction of road at Segment A	859.00 lm
Construction of Access Roads at Segment A(at Sta. 0+230 LHS)	174.00 lm
Construction of road at Segment B	988.00 lm
Construction of Access Roads at Segment B(at Sta. 0+440 LHS)	60.00 lm
Milling and overlay from Sta.0+000 to the Start of Construction	187.00 lm
Milling and overlay at the Intersection of the main Road	115.65 lm
Milling and overlay at Sta.0+180 RHS	31.00 lm

9.2 Roads Sector Task Order Contract Indicator 2: Person Days of employment generated

This indicator is measured by the number of person days of employment generated by this Task Order. Saqqa and Khoudary measures person days of employment directly generated by construction work on site. Saqqa and Khoudary will measure this daily during Task Order implementation through Daily Joint Reports (DJRs). Neither expatriate person days of employment (i.e. those worked by American or other Third Country National staff) nor management nor administrative person days of employment (i.e. program level and other general and administrative staff shared among multiple task orders) shall be included in the Geo- MIS related reporting.

The following table summarizes the total number of Persons days of employment generated during the project period:

Target value	3500
Persons Days of Employment Generated	
Accumulative Persons Days of Employment Generated	7263.30
Male Person Days of Employment	
Accumulative Persons Days of Employment Generated	7019.80
Female Person Days of Employment	
Accumulative Persons Days of Employment Generated	243.50
Total Number of Full Time Equivalent Jobs (FTE)	
Accumulative Number of Full Time Equivalent Jobs Generated	305.18

For more details, please refer to Geo-MIS log in Annexes – Annex I



10. Safety Status

10.1. Safety Plan and Measures

To achieve the desired goal of "Zero Losses" Saqqa and Khoudary Company promulgates specific Safety Plan. This Safety Plan incorporates the belief that Quality, Production, Efficiency, and Safety shall be planned into each job and each shall have EQUAL importance in the execution of this project. This program will enhance our effort at achieving "Zero Losses" and avoid employee injury, property damage, loss production, and occupational illnesses.

SAK qualified Safety & Environmental Compliance Officer was responsible for making regular job site safety inspections, enforcing the use of safety gear and equipment, ensuring that all staff are complying with safety requirements, providing on-going safety tool box meeting with staff. The safety program mandated the safety implementation.

10.2. Safety Meetings

SAK provided Safety training to its staff, and labor through informal weekly talks held in the field (Tool Box Meetings) or whenever needed. Different topics were discussed about applying safety measures such as the Personal Protective Equipment “PPEs”, concentrating on the importance of keeping the site clean and safe. All staff was directed to keep the working area free from rubble and debris. The schedule for tool box meetings was coordinated with CMC/RE, to address various safety topics that are applicable to the specifics of this project.

The following table summarizes all safety tool box meetings conducted during this task order:

Safety Tool Box Meeting Log			
No.	Meeting No.	Date	Subject
1	STBM-15-000001-HAR-001	February 24,2015	PPE & Traffic Control Measures
2	STBM-15-000001-HAR-002	March 22,2015	PPE & Traffic Control Measures
3	STBM-15-000001-HAR-003	March 31,2015	PPE & Traffic Control Measures
4	STBM-15-000001-HAR-004	May 13, 2015	PPE's, bites and stings issues and other safety issues
5	STBM-15-000001-HAR-005	May 17, 2015	PPE's , traffic monitoring and safety issues
6	STBM-15-000001-HAR-006	May 24, 2015	PPE's and safety issues
7	STBM-15-000001-HAR-007	May 30, 2015	PPE's and safety issues
8	STBM-15-000001-HAR-008	June 11, 2015	PPE's, other safety issues and flagmen responsibilities
9	STBM-15-000001-HAR-009	June 20, 2015	PPE's, other safety issues and flagmen responsibilities
10	STBM-15-000001-HAR-010	June 30, 2015	PPE's, other safety issues and flagmen responsibilities
11	STBM-15-000001-HAR-011	July 09, 2015	PPE's, flagmen responsibilities, identifying hazards and diseases and other safety issues
12	STBM-15-000001-HAR-012	July 14, 2015	PPE's and other safety issues
13	STBM-15-000001-HAR-013	July 26, 2015	PPE's,confined spaces hazards and other safety issues
14	STBM-15-000001-HAR-014	August 03, 2015	PPE's and other safety issues
15	STBM-15-000001-HAR-015	August 08, 2015	PPE's and other safety issues during asphalt works.



16	STBM-15-000001-HAR-016	August 24, 2015	PPE's, confined spaces hazards and other safety issues
17	STBM-15-000001-HAR-017	September 21, 2015	PPE's and other safety issues
18	STBM-15-000001-HAR-018	September 21, 2015	PPE's and other safety issues

10.3. Accident Status

During this task order project period, there were two minor accident reports as shown in the table below:

Accident Reports			
No.	Accident No.	Submitted Date	Description
1	AIR-15-000001-HAR-C-E-001	April 09, 2015	It happened for Noor Eddin Essa Amro where he was lifting steel barriers.
2	AIR-15-000001-HAR-C-E-002	May 17, 2015	It happened for Abdu Rahim Mahmoud Sweity during helping in installing concrete barriers by a Winch (mobile crane).

10.4. Notice of Unsafe Condition

During this task order project period, there were no Notices of Unsafe Condition (NUCs) were issued.

10.5. Safety Conclusion

As per the signed executed task order document and prior to starting any work, the Contractor shall submit safety plan for CMC’s review and approval. Therefore; a comprehensive safety plan was submitted on January 14, 2015 as one of the preconstruction submittals. The submitted submittal was accepted by CMC on February 01, 2015. SAK submitted an Updated Monthly Safety Plan to CMC or whenever needed.

Daily Monitoring of Site Activities:

Daily observation was conducted by the SAK Safety Officer and Field Supervision Management in conjunction with site supervision in order to enforce compliance with the established plan. Daily observations and inspections include the followings:

1. Personal Protective Equipment (PPEs)
2. Machinery & Mechanized equipment.
3. Housekeeping
4. Fall Protection
5. Excavation & Trenching
6. Safe Scaffolding
7. Traffic signs & Protective Reflective Barricades
9. Dust Control



Corrective Action:

Whenever unsafe conditions and fire hazards are noted, work was stopped immediately to correct any unsafe condition encountered and corrective actions were taken so that work may proceed in a safe manner.

Fire Fighting, First Aid:

SAK provided the fire extinguishers and distributed them onsite in accordance with the civil defense regulations. Moreover, a medical treatment first aid kit was provided onsite.

Table No.5: Safety status during construction works

Safety measures control:	
	
New jersey barriers	Steel Barriers
	
Plastic caps on steel bars	Safety cones



	
Dust Control	Safety Tool Box Meeting (STBM)

11. Traffic Control

Effective management of transportation and free movement during this task order period was first Priority. Traffic management is essential to ensure traffic control, detour route for vehicles, and pedestrian safety.

During construction, approved traffic control plans were adhered to as much as practicable. Each working crew was given the required warning signs, flags and reflecting jackets wherever and whenever required.

The project work area is located entirely in Area B, therefore; coordination is required with local councils and any other relevant authority or utility that has jurisdiction over any portion of the works.

Below is a summary of the Traffic Control plan phases for each segment:

11.1. Traffic Control Plan

The Traffic Control Plan as per SUB-15-00001-HAR-040-A was submitted on January 18, 2015 and was accepted by CMC on January 27, 2015. It is divided into the following phases:

1. **Segment A: (Sta.: 0+000 to Sta.: 1+056)**

The work had been conducted by separating the road into two sides by Steel barriers (as per RFI-002) for water pipeline works, and by concrete Jersey barriers for road excavation works with safety net, chevrons and warning lights. In addition to flagmen working to control traffic in all cases.

Traffic during all the project construction phases was controlled from both sides; at least one flagman at each end of the phase, in addition to one flagman at the end of the road using walkie-talkie as a handheld transceiver to communicate between each other's along with the needed traffic signs to direct the traffic.

2. **Segment B : (Sta.: 0+000 to Sta.: 0+982)**



A detour or (Temporary access) was made to facilitate entry to the construction area at segment B; the aforementioned detour was included in the updated safety plan. It started from Sta. B0+060 to Sta. B0+900 near the right side of the proposed road.

The detour was made for the project vehicles and equipments on site at segment B; however there was no traffic movement in the construction zone and was totally closed and all needed traffic signs and directional signs were provided.

The detour was reinstated to its original condition as the project was completed and handed over.

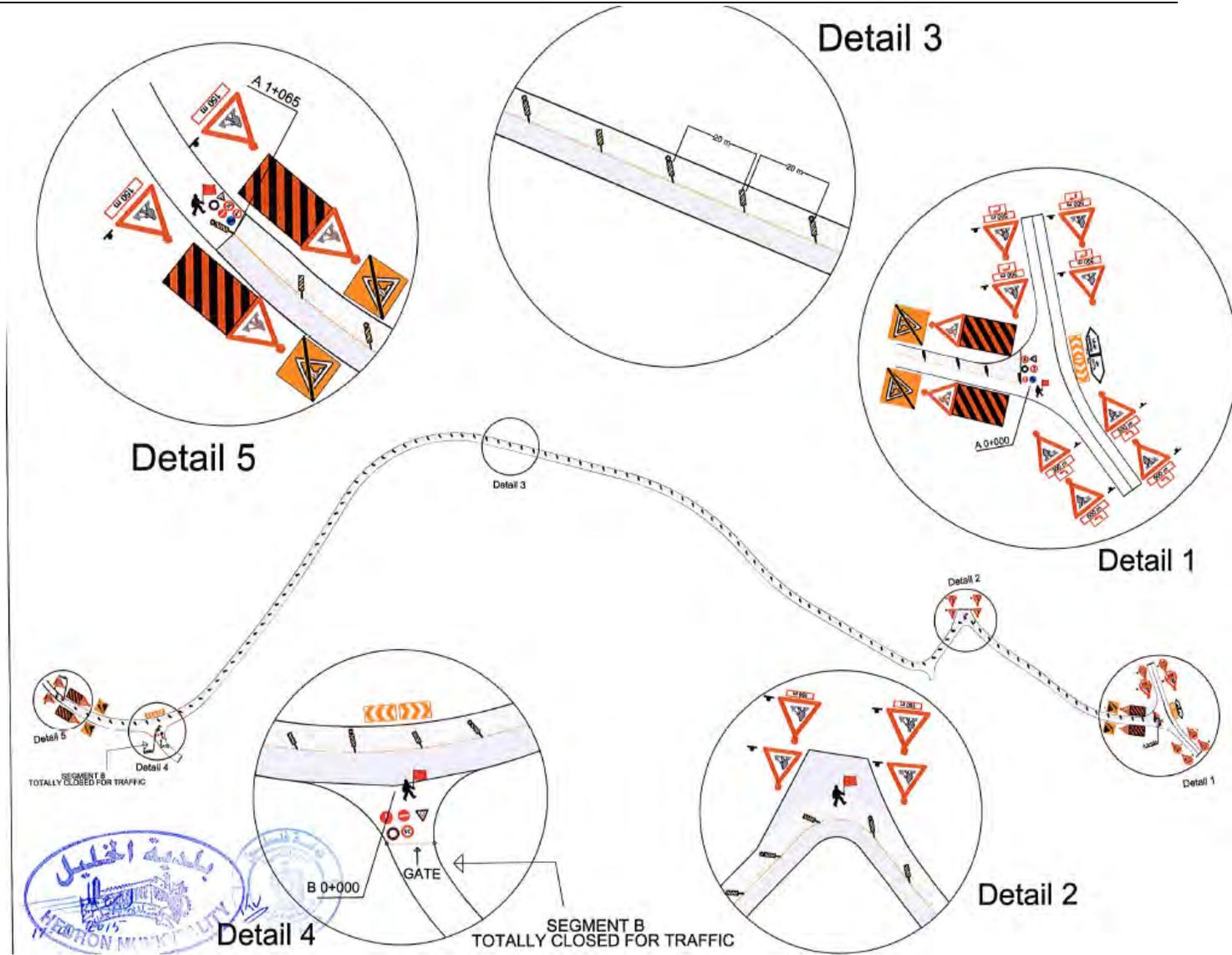


Fig.12: Approved Traffic Control Plan for Segment A&B



12. Mitigation, Monitoring and Environmental Compliance

The Environmental Mitigation and Monitoring Plan submittal was submitted to the CMC on December 18, 2014 as one of preconstruction submittals. The CMC review the submittal and returned it with Action C-Revise and resubmit. Accordingly; a revised EMMPs were submitted to the CMC and were accepted on March 17, 2015.

The following table summarizes the monthly updated EMMP submittals submitted to CMC:

Submittal No.	Description	Submitted Date	Response Date	Review Days	Status
SUB-15-00001-HAR-130-B	EMMP Update-Feb., March & April ,2015	May 26, 2015	May 28, 2015	2	B
SUB-15-00001-HAR-150-A	EMMP Update-May , 2015	June 17, 2015	June 28, 2015	11	B
SUB-15-00001-HAR-175-A	EMMP Update-June , 2015	October 6, 2015	October 7, 2015	1	A
SUB-15-00001-HAR-176-A	EMMP Update-July , 2015	October 6, 2015	October 7, 2015	1	A
SUB-15-00001-HAR-177-A	EMMP Update-August, 2015	October 6, 2015	October 7, 2015	1	A
Note: A: No Exceptions Noted, B: Make Corrections Noted					

- The environmental checklists were done for April, May and August, 2015. For more details please refer to Annex C
- There were many environmental measures adopted on site:
 - Health of workers:
 1. Records of vaccinations taken by workers working in installation of the sewer piping who may get in contact with raw sewage :
Workers were ensured with proper vaccinations when working in raw sewer (consultation with the health department).
 2. Conduct site visits and document that workers are properly wearing their PPE:
Workers were provided with appropriate “water-proof” personal protective safety equipment (PPE) that at a minimum covers: eyes, mouth, hands, feet, and body that potentially be in contact with the raw sewer water.
 3. Instruction and training provided to workers to safely remove equipment and to securely wrap and properly dispose prior to leaving the construction site
 4. Machinery and/or tools used within the open raw sewer water were carefully cleaned prior to leaving the construction site.
 5. Measures and actions set in place not to spread the raw sewer water and / or contaminate the adjacent soil.

Documentation for working in open raw sewer water also includes:

 1. Document the removal of PPE and its disposal upon use.
 2. Document any complaints and resolutions working near or within the open raw sewer.
 3. Documentation and report potential health and safety concerns.



- Dust Control: Dust is produced due to extensive vehicle movement, excavation works and base course lying. To ensure public health, environmental sustainability, safety on site and satisfaction for both labors and residents, water had been sprayed using water tanks on a daily basis or whenever needed, sometimes numerous times a day.
- Land use:
Coordination meetings were conducted with Hebron municipality and land owners: works in both segments A and B were stopped due to land owners objections. All such works stoppage were documented in DJRs and site memos.
- Warning signs and caution tapes: had been installed surrounding the construction areas.
- Workers were instructed to be always cautious during machinery works, and machines were required to be tested and maintained before being used to ensure safety.
- Enforcing traffic control plan on site to manage vehicles flow, access, and ease of maneuverability in addition to providing clear path for pedestrians.
- Replanting, washing and cleaning olive trees: Coordinations with trees owners were conducted to relocate their trees.
- Site Equipment : Continuous check on all site equipment were done to prevent any fuel or oil leakage
- Existing utilities: Mitigation measures were taken into consideration to prevent and minimize any damages in the existing utilities and if any were occurred, all were directly fixed.

13. Construction Risk Management

A comprehensive dilapidation survey along the project was carried out by Saqqa and Khoudary during January, 2015 in order to record the existing site conditions and to prepare a comprehensive Risk Management plan. The aforementioned plan was submitted to the CMC on December 30, 2014 for review and it was returned with Action C - Revise and resubmit. Accordingly; a revised CRMP was submitted to the CMC on January 22, 2015 and it was also returned with Action C on February 03, 2015; therefore Saqqa and Khoudary resubmitted it on February 18, 2015 and the CMC accepted it on February 24, 2015. During the task order period, an Updated Monthly (or whenever is needed) Construction Risk Management Plan was submitted to CMC.

14. Meetings and Coordination activities:

Coordination, meetings and phones between USAID, SAK, local subcontractors, Palestinian Authorities, local councils and utility owners were held. Senior management meetings were held between USAID, SAK and Black and Veatch on a Bi-weekly basis to discuss progress of the Project.

The following table summarizes the meetings held with USAID, Black & Veatch, MOPWH, municipalities and PALTEL during the project implementation:

Date	Attendees	Subject
December 21, 2014	SAK – Sameer Al Khaldi, Raafat Abu Saymeh B&V – Monther Ramadan, Subhi Zeidan	Site Hand Over
December 23, 2014	USAID –Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan,Manal Mohammaden,Sharazad Al-Ayaydah MoPWH- Mr. Mohammad Adawi SAK –Sameer Al Khaldi , Muwafaq Abu Zainah, Muna Al Shaer	Introductory meeting



January 14, 2015	B&V – Monther Ramadan , Adnan Azazmeh , Subhi Zeidan , Hakam Al Nazer SAK – Samir Al Khaldi , Muwafaq Abu Zeineh , Mohammad Abu Zeineh , Omar Al Qaisi	To discuss Method Statement, CPM & Traffic Control Plan
January 20, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan, Manal Mohammaden, Asharf Mishaal MoPWH- Mr. Mohammad Adawi SAK –Jawdat Al Khoudary ,Sameer Al Khaldi , Muwafaq Abu Zainah, Mohamad Abu Zeineh, Omar Al Qaisi, Muna Al Shaer	Bi- Weekly meeting to discuss work progress
February 09, 2015	B&V – Monther Ramadan , Subhi Zeidan, Manal Mohammaden, Asharf Mishaal SAK –Saleem Tafesh, Sameer Al Khaldi , Muwafaq Abu Zainah , Muna Al Shaer	Bi-Weekly progress meeting #2 Conducted at BV Site office.
February 11, 2015	SAK – Sameer Al Khaldi , Raafat Abu Saymeh, Omar Al Qaisi , Sameer Al Tamimi B&V – Monther Ramadan, Subhi Zeidan Hebron Municipality - Iyad Jweehan , Akram Niroukh , Tayseer Shwellie , Aeid Taha , Shareef Hanini Electrical Company – Baha Arafah	Walkthrough
February 23, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan, Manal Mohammaden, Asharf Mashaal , Walid Aboudi SAK –Saleem Tafesh, Sameer Al Khaldi , Muwafaq Abu Zainah , Mohamad Abu Zeineh Palestinian Water Authority – Taher Safi MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #3 conducted at BV Site office.
March 09, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Adnan Safi SAK –Jawdat Al Khoudary , Sameer Al Khaldi , Muwafaq Abu Zainah	Bi-Weekly progress meeting #4 Conducted at BV Site office.
March 23, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Adnan Azzazmeh , Manal Mohammaden, Asharf Masha'al SAK –Sameer Al Khaldi , Muwafaq Abu Zainah , Mohamad Abu Zeineh MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #5 Conducted at BV Site office.
April 06, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Ashraf Mashaal, Subhi Zeidan , Wafa Amro , Rawan Qawasmi SAK –Jawdat Al Khoudary , Sameer Al Khaldi , Muwafaq Abu Zainah MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #6 was conducted at BV Site office.
April 19, 2015	Hebron Municipality – Tayseer Shwiki , A'ed Taha BV- Subhi Zeidan, Monther Ramadan SAK- Sameer Al Khaldi	A meeting to discuss land owners dispute
April 20, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Adnan Safi , Asharf Mashaal , Karim Husari , Wafa Amro	Bi-Weekly progress meeting #7 was conducted at BV Site office.



	SAK –Sameer Al Khaldi , Muwafaq Abu Zainah , Mohamad Abu Zeineh, Muna Al Shaer , Rafaat Abu Saymeh MoPWH- Mr. Mohammad Adawi	
April 26, 2015	Hebron Municipality – Tayseer Shwiki , A'ed Taha BV- Subhi Zeidan, Monther Ramadan SAK- Sameer Al Khaldi	A meeting to discuss land owners dispute
May 04, 2015	USAID – Kamal Kasbary B&V – Adnan Azzazmeh , Karim Al Husari, Monther Ramadan , Ashraf Msha'al, Subhi Zeidan , Wafa Amro SAK –Sameer Al Khaldi , Muwafaq Abu Zainah, Mohamad Abu Zeina, Ra'fat Abu Saymeh , Muna Al Shaer MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #8 was conducted at BV Site office.
May 14, 2015	Hebron Municipality – A'ed Taha BV- Monther Ramadan SAK- Sameer Al Khaldi	To discuss work stoppage
May 18, 2015	USAID – Kamal Kasbary B&V – Adnan Safi, Monther Ramadan , Ashraf Masha'al , Karim Husari , Wafa Amro, Subhi Zeidan. SAK –Sameer Al Khaldi , Muwafaq Abu Zainah , Mohamad Abu Zeineh, Muna Al Shaer , Ra'fat Abu Saymeh	Bi-Weekly progress meeting #9 was conducted at BV Site office.
May 21, 2015	Hebron Municipality – Tayseer Shwiki BV- Monther Ramadan SAK- Sameer Al Khaldi	To discuss work stoppage
June 01, 2015	USAID – Kamal Kabary B&V –Karim Husari , Monther Ramadan , Ashraf Mshaal, Subhi Zeidan , Wafa Amro SAK –Saleem Tafesh ,Sameer Al Khaldi , Muwafaq Abu Zainah, Mohamad Abu Zeina, Rafat Abu Saymeh , Muna Al Shaer MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #10 was conducted at BV Site office.
June 15, 2015	USAID – Kamal Kasbray B&V – Monther Ramadan , Subhi Zeidan, Karim Husari , Wafa Amro SAK –Sameer Al Khaldi , Mohamad Abu Zeineh, Muna Al Shaer	Bi-Weekly progress meeting #11 was conducted at BV Site office.
June 29, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan , Ashraf Mshaal , Wafa Amro SAK –Sameer Al Khaldi , Mohamad Abu Zeineh, Saleem Tafesh ,Isra Al Shaer, Omar Alqaisi MoPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #12 was conducted at BV Site office.
July 13, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan , Ashraf Masha'al , Wafa Amro, Adnan Safi SAK –Sameer Al Khaldi , Mohammad Abu Zeineh, Omar Alqaisi	Bi-Weekly progress meeting #12 was conducted at BV Site office.



July 27,2015	B&V – Monther Ramadan , Subhi Zeidan , Ashraf Mshaal , Wafa Amro SAK –Sameer Al Khaldi, Saleem Tafesh, Isra Al Shaer, Omar Alqaisi. MOPWH- Mr. Mohammad Adawi	Bi-Weekly progress meeting #13 was conducted at BV Site office.
August 10,2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan , Ashraf Masha'al , Wafa Amro, SAK –Saleem Tafesh,Sameer Al Khaldi , Muwaffak Abu Zeineh, Isra Al Sha'er MOPWH- Mohammad Adawi	Bi-Weekly progress meeting #15 was conducted at BV Site office.
August 24, 2015	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan , Ashraf Masha'al , Wafa Amro, SAK –Saleem Tafesh,Sameer Al Khaldi , Muhammad Abu Zeineh, Ra'fat Abu Saymeh MOPWH- Mohammad Adawi	Bi-Weekly progress meeting #16 was conducted at BV Site office.
September 07, 2015	USAID-Kamal Kasbary MOPWH- Mohammad Adawi B&V – Monther Ramadan , Subhi Zeidan , Ashraf Masha'al , Wafa Amro, SAK –Sameer Al Khaldi , Muhammad Abu Zeineh, Raafat Abu Saymeh, Areej Awawde	Bi-Weekly progress meeting #17 was conducted at BV Site office.





15. Communication and Correspondences:

Communication between different parties [USAID, SAK and Black and Veatch] during the project period was essential and fruitful to monitor the project progress, solve problems, obstructions; emerged issues on site and to finalize the project on the planned time.

Appendix H Details the Outgoing / Incoming SAK Correspondences

Community Outreach

SAK invested in community outreach and public relation, to increase public and local council awareness about USAID mission and investment in the West Bank, achieve an understanding and cooperation from all parties and stakeholders involved and maximize safety and target outcomes.

Saqqa and Khoudary Co. Ltd. prepared the Project’s Flyers and sent to USAID for approval on January 31, 2015. The approval was received on February 13, 2015; therefore the flyers were distributed to the public on February 15, 2015.

During project duration community outreach activities conducted as the followings:

- Coordination meeting was conducted with the school students to discuss the project importance and safety considerations .Copies from the approved flyers were distributed to them during the conducted meeting.

<p>meeting was conducted with the school students</p>	<p>Distributing flyers</p>

Gender Consideration:

As per IQC Contract and executed task order contract requirements section F.5 regarding Gender Action Plan; all employment and man power data were disaggregated in daily joint reports to reflect gender. In addition; the Geo-MIS indicator no. 02 (Person Days of employment generated) data was disaggregated to reflect gender.

Saqqa and Khoudary Co. Ltd. has hired a female office engineer since December, 2014 and she is still working till this reporting period.



- = Distribution of informative flyers for the project continued to be handed out to councils, residents and motorists. Contents of flyers were approved by USAID and explained project funding, scope, detours and the project duration.



Project's Flyers

16. Permanent Sign:

Permanent Signs for this task order road project were designed according to specifications, sign text and fabrication was submitted and approved by CMC and USAID. The location was approved by USAID to be installed at Sta.B 0+040



USAID
من الشعب الأمريكي



Hebron Wastewater Treatment Plant Access Road

طريق محطة التنقية - الخليل

This project is a gift from the American People to the Palestinian People implemented in cooperation with the Ministry of Public Works and Housing.

هذا المشروع هدية من الشعب الأمريكي للشعب الفلسطيني ويتم تنفيذه بالتعاون مع وزارة الأشغال العامة والإسكان.

October 2015

تشرين أول 2015

تنبيه هام: هذه لوحة إعلان خاصة ودائمة، ولا يجوز إستخدامها بأي شكل من الأشكال

Fig.9: The project Permanent Sign

17. Quality Control Status

This Quality Control Plan is established to provide all the necessary testing and documentation of the contract in order to assure that all work (Onsite/Offsite, Work by Subcontractors, Fabricators, Suppliers and Purchasing agents Subcontractors, Fabricators, and Suppliers) accomplished and all materials and equipment supplied are in accordance with the plans and specifications applicable to the work and meet the quality control provisions of the said plans and specifications.

The Quality Control Plan (QCP) was submitted to CMC for approval on January 14, 2015. It includes the proposed quality control program that should be followed during the construction phase, including the forms of recording the quality control operations, organization chart, control activities, testing, administration of the system for onsite and offsite work, submittal procedures, materials, three phase inspection system, and documentation procedures. The CMC review the submittal and returned it with Action C - Revise and resubmit. Accordingly; a revised Quality Control Plan was submitted to CMC on February 08, 2015 and was accepted on February 17, 2015. An Updated Monthly Quality Control Plan or whenever needed was submitted to CMC for their review and approval.



The project quality control manager enforced the quality control program to include, QC functions, daily QC reports, coordination with CMC for pre-final and final inspections, and assured that the QC program is adhered to at every stage of the project.

17.1. Inspection Requests:

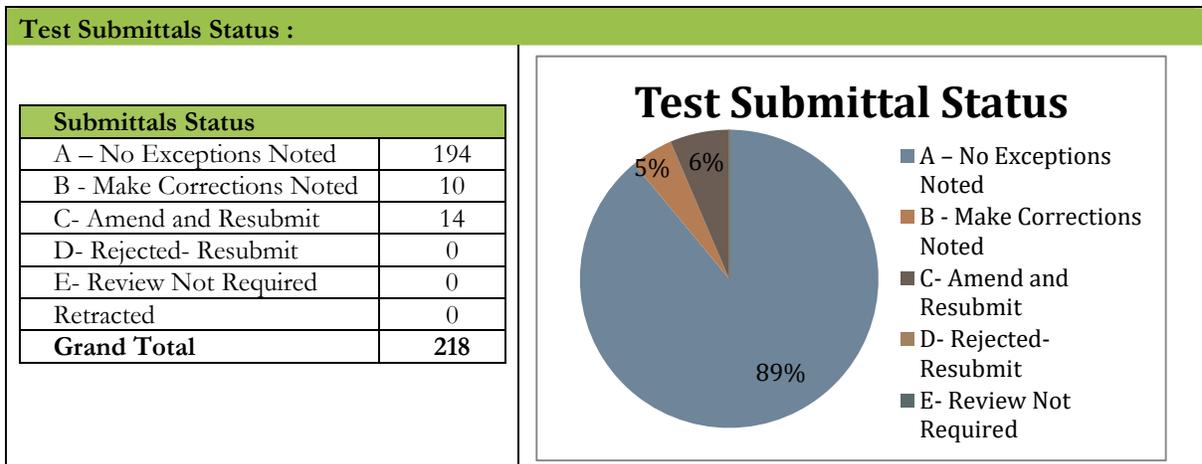
Quality control manager followed up all of the inspection requests and made sure that all of the work accomplished complies with contract documents and specifications

For further information, please refer to Appendix C

17.2. Testing Reports:

All required testing was coordinated with the CMC representative on site. The project quality control manager verified that the testing procedures comply with contract specifications or regulatory requirements. Also made sure that all tests are carried out, both passing and failing, are recorded on the quality control report including the dates the tests are conducted. Test results were submitted by laboratory to SAK and CMC simultaneously.

The table below shows the test submittals status during the task order period:





Attached to this report - Appendix E- testing log sheets carried out for the project.

Quality Control	
	
Comprehensive test	Slump test
	
Compressive strength test	Field density test for subgrade
	
Holiday test	Pressure leakage test



Flushing and Disinfection	Asphat core test

18. Site Visits:

During this task order period, there were many site visits, including:

- USAID: Numerous USAID visits had been conducted during construction; this included management, engineering, contracts and administrative staff.
- Public Authorities: SAK coordinated regularly with Hebron municipality for site visits.
- MOPWH Numerous visits had been conducted during construction in order to follow up the progress and help coordinate the efforts of all involved parties.
- CMC/B&V Ramallah Office: Regular visits from the CMC/B&V Ramallah office had been conducted to follow up and check progress and coordination efforts.

The following table summarizes the list of site visits that took place during this reporting period:

Site Visits	
Date	Company
Dec 21, 2014	SAK – Sameer Al Khaldi , Raafat Abu Saymeh B&V – Monther Ramadan, Subhi Zeidan
December 23, 2014	USAID – Kamal Kasbary B&V – Monther Ramadan , Subhi Zeidan, Manal Mohammedan, Sharazad Al-Ayaydah MOPWH- Mr. Mohammad Adawi SAK –Sameer Al Khaldi , Muwafaq Abu Zainah
Dec ember 24, 2014	USAID – Kamal Kasbary B&V – Monther Ramadan , Adnan Safi , Daoud Al Qawasmeh SAK –Sameer Al Khaldi , Muwafaq Abu Zainah, Sameer Al Tamimi
February 04, 2014	USAID – Kamal Kasbary SAK – Sameer Al Khaldi , Loay Hanounch



	B&V – Walid Aboudi , Erik Simmons, Rayyan Shy , Bilal Alian .
February 24, 2014	B&V –Ashraf Mashaal , Subhi Zeidan SAK – Sameer Al Khaldi , Mohamad Abu Zeineh ,Raafat Abu Saymeh, Sameer Al Tamimi , Omar Al Qaisi Hebron Municipality -Marwan Al A'khdar, A'ed Taha, Taysser Shwiki
March 01, 2015	PWA-Saadi Ali Marwan Akhdar-Hebron Municipality
March 23, 2015	USAID – Kamal Kasbary MOPWH- Mr. Mohammad Adawi
April 05, 2015	USAID- Kamal Kasbary MOPWH- Mohammad Adawi
April 09,2015	USAID – Peter Riley,Kamal Kasbary B&V – Peggy Howe , Daoud Al Qawasmi , Adnan Safi ,Monther Ramadan , ,Subhi Zeidan Hebron Municipality – Marwan Al A'khdar , A'ed Taha
April 15,2015	Hebron Municipality – Marwan Al A'khdar , A'ed Taha
April 19,2015	Hebron Municipality – Tayseer Shwiki , A'ed Taha
May 03, 2015	Hebron Municipality – A'ed Taha
May 04, 2015	MOPWH- Mr. Mohammad Adawi
May 06,2015	Hebron Municipality – Marwan Al Akhdar , A'ed Taha
June 01, 2015	USAID-Kamal Kasbary MoPWH- Mr. Mohammad Adawi
June 12, 2015	Hebron Municipality –Marwan Al Akhdar, A'ed Taha
June 13, 2015	Hebron Municipality – Marwan Al A'khdar , A'ed Taha
June 15, 2015	USAID – Kamal Kasbray
June 18,2015	USAID – Iman Kheil, Kamal Kasbary, Eric Stroing, Sophie Tainter
June 29,2015	USAID – Kamal Kasbary MoPWH- Mr. Mohammad Adawi
July 13, 2015	USAID – Kamal Kasbary



July 23, 2015	Hebron Municipality –A'ed Taha
July 28, 2015	USAID – Kamal Kasbary B&V-Adnan Safi
July 30, 2015	Hebron Municipality – Tayseer Shweiky , A'ed Taha
August 03, 2015	USAID – Kamal Kasbary
August 10, 2015	USAID – Kamal Kasbary MOPWH- Mohammad Adawi
August 15, 2015	Hebron Municipality – Tayseer Shweiky
August 17, 2015	Hebron Municipality –Hammed Al Masri
August 19, 2015	B&V- Peter Lister
August 24, 2015	USAID – Kamal Kasbary MOPWH- Mohammad Adawi
September 01, 2015	Hebron Municipality – Tayseer Shweiky
September 06, 2015	Hebron Municipality – Tayseer Shweiky
September 07, 2015	MOPWH- Mohammad Adawi
September 12, 2015	Hebron Municipality – Tayseer Shweiky, Ayed Taha
September 13, 2015	USAID-Kamal Kasbary
September 20, 2015	Hebron Municipality – Tayseer Shweiky
September 21, 2015	Hebron Municipality – Tayseer Shweiky
September 28, 2015	USAID-Kamal Kasbary
September 30, 2015	Hebron Municipality – Tayseer Shweiky
October 14, 2015	Hebron Municipality – A'eid Abu Sneneh MOPWH- Mohammad Adawi, Ali Thweib BV- Dr.Daoud Qawasmeh, Adnan Safi, Adnan Azazmeh
October 27, 2015	USAID-Kamal Kasbary



USAID Site visit



Hebron Municipality site visit



19. Procurement Status:

19.1 Procurement activities:

The following table summarizes the status of the procured activities during this task order period:

Procurement Schedule for construction activities		
Procured items	Date of order	Actual delivery date
DN 100 ,DN 50 Flow water meter	June 15, 2015	September 10, 2015
Start sewer pipe manufacturing	June 15, 2015	July 14, 2015
Anchors &Tools	May 05, 2015	May 20, 2015
Concrete Pipes	April 01, 2015	July 11, 2015
Electrical welding extruder &Hot air welding torch Spark tester &HDPE lining	April 29, 2015	May 27, 2015
RW Steel Reinforcement	March 02, 2015	March 05, 2015
Hex bolts 70mm,82mm	March 18, 2015	June 06, 2015
RW Steel Reinforcement	March 18, 2015	March 21, 2015
RW Steel Reinforcement	March 23, 2015	March 26, 2015
Gaskets +KSB ball Valves	March 18, 2015	April 15, 2015
Pressure gauges +Snubbers	March 18, 2015	May 20, 2015
Air release valves	March 22, 2015	April 16, 2015
Concrete manholes	February 26, 2015	March 23, 2015
Gate valves + dismantling joints	January 25, 2015	June 15, 2015
Traffic Signs	January 24, 2015	February 10 , 2015
2" Steel Pipe	October 27, 2015	January 26, 2015
4" Steel Pipe	October 27, 2015	January 26, 2015

For more information, please refer to Appendix A: Materials and equipment log

Materials	
	
2" steel water pipes	4" steel water pipes



20. Payments

Nine monthly progress payments were submitted to USAID starting from January 2015. The final payment (demobilization) will be of an amount of \$23,321.00.

The final task order amount is \$2,598,705.0, remaining day work is \$ 48,840.46. Appendix G shows a detailed table for monthly submitted payments amounts and dates.

S-Curve

Date	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
Original Planned Value	\$ -	\$ 62,189.33	\$ 31,094.67	\$ 10,644.75	\$ 166,260.04	\$ 199,802.41	\$ 539,710.68	\$ 943,843.46	\$ 281,252.59	\$ 213,907.07	\$ -	\$ -
Original Planned Value (Accumulative)	\$ -	\$ 62,189.33	\$ 93,284.00	\$ 103,928.75	\$ 270,188.79	\$ 469,991.20	\$ 1,009,701.88	\$ 1,953,545.34	\$ 2,234,797.93	\$ 2,448,705.00	\$ 2,448,705.00	\$ 2,448,705.00
Original Planned %		2.54%	1.27%	0.43%	6.79%	8.16%	22.04%	38.54%	11.49%	8.74%	0.00%	0.00%
Original Planned % (Accumulative)		2.54%	3.81%	4.24%	11.03%	19.19%	41.23%	79.78%	91.26%	100.00%	100.00%	100.00%
Actual Value	\$ -	\$ 46,642.00	\$ 46,642.00	\$ 632.08	\$ 66,002.40	\$ 126,248.16	\$ 177,977.10	\$ 226,814.10	\$ 479,245.59	\$ 966,726.51	\$ 389,613.60	\$ 23,321.00
Accumulative Actual Value	\$ -	\$ 46,642.00	\$ 93,284.00	\$ 93,916.08	\$ 159,918.48	\$ 286,166.64	\$ 464,143.74	\$ 690,957.84	\$ 1,170,203.43	\$ 2,136,929.94	\$ 2,526,543.54	\$ 2,549,864.54
Actual %		1.83%	1.83%	0.02%	2.59%	4.95%	6.98%	8.90%	18.79%	37.91%	15.28%	0.91%
Accumulative Actual %		1.83%	3.66%	3.68%	6.27%	11.22%	18.20%	27.10%	45.89%	83.81%	99.09%	100.00%

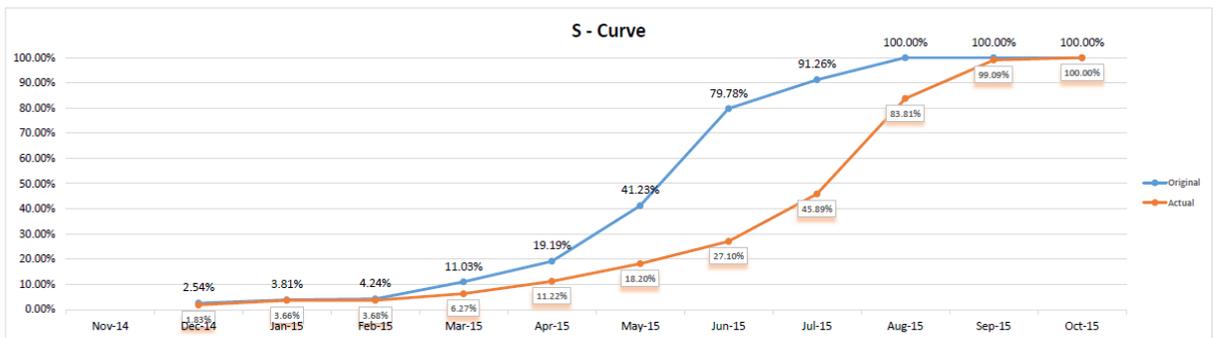


Fig.10: S- Curve Planned Versus Actual



21. Variation Order Request

During this task order period, SAK issued five Variation Order Requests:

Variation Order Log					
Variation Order No.	Description	PVOs/VOs Amount	PVOs/VOs (Calendar Days)	PVO/VO Status	Date Approved By USAID
VOR- 15-00001- HAR-001 -A	Use of Steel Mini Guard in lieu of Concrete New Jersey Barriers during trench excavation, pipe laying and backfilling operations.	0	0	February 15, 2015	February 23, 2015
VOR- 15-00001- HAR-002 -A	New items due to changes in Road Typical Cross Section and plan/profile for road segment A from Station 0+200 to station 1+040 (SM-15-000001-HAR-E-C-002).	\$ 196,936.00	20	April 13,2015	May 11, 2015
VOR- 15-00001- HAR-002 -B	New items due to changes in Road Typical Cross Section and plan/profile for road segment A from Station 0+200 to station 1+040 (SM-15-000001-HAR-E-C-002).	\$ 164,00.00	0	May 24,2015	June 21, 2015
VOR- 15-00001- HAR-003 -A	Changes in water chambers as per Site Memorandum SM-15-000001-HAR-E-C-001	\$ 93,449.24	0	April 27, 2015	June 21, 2015
VOR- 15-00001- HAR-003 -B	Changes in water chambers as per Site Memorandum SM-15-000001-HAR-E-C-001	\$ 76,786.60	90 Calendar Days from date of VO approval	May 21, 2015	June 21, 2015
VOR- 15-00001- HAR-004-A	Additional time due to excusable delays that impact the completion date of the work.	\$ 16,390	39 Calendar Days	August 13, 2015	September 14, 2015
VOR- 15-00001- HAR-005-A	Additional time to compensate work stoppage resulted from flood of wadi due to excessive dumping of waste material (stone cutting slurry) by others.	\$ 00.0	6 Calendar Days	August 23, 2015	September 14, 2015



22. Variation Order

During this task order period, two variation orders were approved by USAID as follows:

Variation Order Requests Log					
VOR No.	Description	Cost Impact (\$)	Time Impact (Calendar Day)	Submission Date	Response Date
VO-15-000001-HAR-001	Change in requirements , New Definitive Quantities And Time Extension	\$(122,097.40)	33*	Approved	June 15, 2015
VO-15-000001-HAR-002	Changes of requirements ,time extension and new definitive quantities	\$ 140,053.40	18*	Approved	September 11, 2015
VO-15-000001-HAR-003	Administrative Variation Order for Final Definitive Quantities	\$ 83,203.34	0	Approved	November 03, 2015
Note*: 33 days- time extensions were approved under VO-15-000001-HAR-001 due to the time taken in the procurement of new meters. 18 days- time extensions were approved under VO-15-000001-HAR-002 as a result of weather delays, work stoppage and additional works.					

23. Obstacles and Challenges

During the construction of this task order, many challenges were encountered:

- a. Changes in scope requirements reflected in VORs and VOs.
- b. R.O.W. related objections by land owners and frequent work stoppages: SAK coordinated with Hebron Municipality to solve such problems. (See table below)
- c. Existing underground utilities: several coordination meetings were conducted with all concerned local authorities to avoid any damages in the underground utilities.
- d. Unsuitable soils (subgrade): Loose soil under some proposed retaining walls, Saturated soil within ROW affected surveying works and hard rock at Segment B during excavation
- e. Slow pace of activities during the month of Ramadan: Night shifts were arranged to perform the required works.
- f. Unprecedented severe weather (Snow storm/Hot weather): Limited works.



Accumulated snow



The following table summarizes obstacles and action taken during this reporting period:

Obstacles	Station		Causative factor	Date		Action Taken
	From	To		From	To	
Stoppage of excavation works at Segment B	Sta.B 0+840	Sta.B 0+980	Land Owners	April 14, 2015	April 15, 2015	Several coordination meetings were conducted with Hebron Municipality
Stoppage of excavation works at Segment A	Sta.A 0+230	Sta.A 0+480		May 17, 2015	May 19, 2015	
	Sta.A 0+250	Sta.A 0+700		May 02, 2015	May 03, 2015	
	Sta.A 0+700	Sta.A 0+780		May 09, 2015	May 09, 2015	
	Sta.A 0+760	Sta.A 0+900		May 10, 2015	May 14, 2015	
				May 16, 2015	May 16, 2015	
	Sta.A 0+720	Sta.A 0+780		May 17, 2015	May 21, 2015	
May 23, 2015				May 28, 2015		
Stoppage of retaining wall works at Segment A	Sta.A 0+206	Sta.A 0+257		May 30, 2015	May 30, 2015	
				May 14, 2015	May 14, 2015	
				May 16, 2015	May 21, 2015	
Stoppage of excavation works of proposed box culvert at Segment B	Sta.B 0+008	Sta.B 0+034		May 23, 2015	May 26, 2015	
				May 20, 2015	May 21, 2015	
			May 23, 2015	May 28, 2015		
Stoppage of excavation works at Segment A (4 hours per day)	RHS	RHS	May 30, 2015	May 31, 2015		
			June 01, 2015	June 02, 2015		



Stoppage of excavation works of proposed box culvert at Segment B	Sta.B 0+008	Sta.B 0+034		June 01, 2015	June 02, 2015
				June 01, 2015	June 04, 2015
	Sta.B 0+008	Sta.B 0+042		June 06, 2015	June 07, 2015
				June 01, 2015	June 02, 2015
Limited construction works	Sta.A 0+000	Sta.A 0+230	Trench excavation for electrical power line by Hebron Electrical Power Company (HEPC)	August 04, 2015	August 08, 2015

24. Lessons Learned:

Although lessons were learned during previous implemented task orders, lessons still have to be validated on new projects. We, however, found that sound practices and proactive management are the pre-requisites for successful project implementation and delivery.

We believe it is worth to note the following:

The local work force is becoming more safety conscious and in general more cooperative. Safety education and training are the keys; we intend to intensify our efforts.



25. Project Handing Over Photos:





Annexes

- A. Materials- Equipment Received Log
- B. Site Memorandum Log
- C. Inspection Request Log
- D. Submittals Log.
- E. Test Submittals Log
- F. RFP's Log for the Reporting Period
- G. Payment Log
- H. Transmittal Log
- I. Geo-MIS Data
- J. Risk Register
- K. Project Final CPM Schedule
- L. S-Curve Versus Actual
- M. Construction Site Handover & Final Acceptance
- N. Final Definitive Quantities
- O. Release Letter



Annex A:

Materials- Equipment Received Log



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Material Log

Date	Material Delivered to Site	Quantity
Month : December, 2014		
December 15, 2014	None	None
December 16, 2014	None	None
December 17, 2014	None	None
December 18, 2014	None	None
December 19, 2014	None	None
December 20, 2014	None	None
December 21, 2014	None	None
December 22, 2014	None	None
December 23, 2014	None	None
December 24, 2014	None	None
December 25, 2014	None	None
December 26, 2014	None	None
December 27, 2014	None	None
December 28, 2014	None	None
December 29, 2014	None	None
December 30, 2014	None	None
December 31, 2014	None	None
Month : January, 2015		
January 1,2015	None	None
January 2,2015	None	None
January 3,2015	None	None
January 4,2015	None	None
January 5,2015	None	None
January 6,2015	None	None
January 7,2015	None	None
January 8,2015	None	None
January 9,2015	None	None
January 10,2015	None	None
January 11,2015	None	None
January 12,2015	None	None
January 13,2015	None	None
January 14,2015	None	None
January 15,2015	None	None
January 16,2015	None	None
January 17,2015	None	None
January 18,2015	None	None
January 19,2015	None	None
January 20,2015	None	None
January 21,2015	None	None
January 22,2015	None	None
January 23,2015	None	None
January 24,2015	None	None
January 25,2015	None	None
January 26,2015	None	None
January 27,2015	None	None
January 28,2015	None	None
January 29,2015	None	None
January 30,2015	None	None



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Date	Material Delivered to Site	Quantity
January 31, 2015	None	None
Month : February, 2015		
February 1, 2015	None	None
February 2, 2015	None	None
February 3, 2015	None	None
February 4, 2015	None	None
February 5, 2015	None	None
February 6, 2015	None	None
February 7, 2015	None	None
February 8, 2015	None	None
February 9, 2015	None	None
February 10, 2015	None	None
February 11, 2015	None	None
February 12, 2015	Traffic signs	
February 13, 2015	None	None
February 14, 2015	Traffic signs	11 PC
	Concrete	3 m ³
February 15, 2015	2' Water Steel Pipes	172 L.m
	Joint Tap	11 PC
	WC for Female	1 PC
February 16, 2015	Traffic signs	2 PC
February 17, 2015	None	None
February 18, 2015	Steel water tank 8 m ³	2 PC
February 19, 2015	None	None
February 20, 2015	None	None
February 21, 2015	None	None
February 22, 2015	None	None
February 23, 2015	None	None
February 24, 2015	Base Course	50 m ³
	Water Tank	1
February 25, 2015	Base Course	70 m ³
February 26, 2015	Base Course	50 m ³
	4" Water Steel pipes	1003 L.m
February 27, 2015		
February 28, 2015	None	None
Month : March, 2015		
March 1, 2015	None	None
March 2, 2015	None	None
March 3, 2015	Concrete Barriers	10 PC
	Steel Barriers	20 PC
	Traffic signs	2 PC
March 4, 2015	None	None
March 5, 2015	RW Steel Reinforement	10618 Kg
March 6, 2015	None	None
March 7, 2015	Traffic signs	2 PC
	Steel Barriers	20 PC
	Concrete	2 m ³
	Warning Tap	200 mm
	Cons	10 PC



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Date	Material Delivered to Site	Quantity
March 8, 2015	None	None
March 9, 2015	None	None
March 10, 2015	None	None
March 11, 2015	None	None
March 12, 2015	Base Course	60 m3
March 13, 2015	None	None
March 14, 2015	Formwork for RW	20 PC
March 15, 2015	Base Course	60 m3
March 16, 2015	Somsom	60 m3
	Single Size	60 m3
March 17, 2015	Blinding Concrete B150	19 m3
	Concrete Barriers	8 PC
March 18, 2015	Plywood duck formwork	50
	T- Fitting 4x4"	2
	T- Fitting 4x2"	8
	Elbow 45 / 4"	4
March 18, 2015	Elbow 90 / 4"	2
	Blinding Concrete	38 m3
March 19, 2015	Blinding Concrete	38 m3
March 20, 2015	None	None
March 21, 2015	4" UPC Pipes	14
	Reinforement Steel	9970 Kg
	Somsom	40 m3
	Homos	80 m3
	Bitumen Coating	9
March 22, 2015	Concrete B300	85 m3
	Single Size	110 m3
March 23, 2015	Somsom	60 m3
	Homos	40 m3
March 24, 2015	Somsom	40 m3
	Homos	40 m3
March 25, 2015	Somsom	40 m3
	Homos	80 m3
	Concrete B300	50 m3
	Concrete B200	1 m3
March 26, 2015	Somsom	80 m3
	Homos	80 m3
	Reinforement Steel	3488 Kg
March 27, 2015	None	None
March 28, 2015	Somsom	20 m3
	Homos	60 m3
	Formwork	50 m2
March 29, 2015	Somsom	40 m3
	Homos	80 m3
	Concrete B300	54 m3
March 30, 2015	Somsom	40 m3
	Homos	80 m3
	Concrete B300	8 m3
March 31, 2015	Somsom	40 m3
	Homos	40 m3
Month : April, 2015		



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Date	Material Delivered to Site	Quantity
April 1, 2015	Somsom	40 m3
	Single Size	100 m3
April 2, 2015	Steel Reinforcement	8350 Kg
	Concrete B300	13.5 m3
April 3, 2015	None	None
April 4, 2015	4" PVC Pipe (Weep Whole)	18 PC
April 5, 2015	Concrete B300	14m3
	Flanged 2"	53 PC
	Elbow2"	12 PC
	Flanged 4"	26 PC
April 6, 2015	None	None
April 7, 2015	Concrete B300	7 m3
April 8, 2015	Concrete B300	6 m3
April 9, 2015	Concrete B300	12 m3
April 10, 2015	None	None
April 11, 2015	None	None
April 12, 2015	None	None
April 13, 2015	None	None
April 14, 2015	Filling Material	200 m3
	Concrete B300	12 m3
April 15, 2015	Filling Material	150 m3
	Concrete B300	12m3
April 16, 2015	None	None
April 17, 2015	None	None
April 18, 2015	Concrete B300	12 m3
April 19, 2015	2" Threaded Fitting	180 PC
April 20, 2015	Concrete B300	10.5 m3
	Base Coarse	60 m3
	Concrete Repairing Material / Renderoc	60 Kg
April 21, 2015	Base Coarse	100 m3
April 22, 2015	Concrete B300	12 m3
April 23, 2015	Concrete B300	9 m3
April 24, 2015	None	None
April 25, 2015	Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15	10 PC
April 26, 2015	Single Size	40 m3
	Somsom	20 m3
April 27, 2015	Concrete B300	14 m3
April 28, 2015	Single Size	40 m3
	Somsom	40 m3
April 29, 2015	Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15	10 PC
April 30, 2015	Concrete B300	12.5 m3
Month : May, 2015		
May 1, 2015	None	None
May 2, 2015	None	None
May 3, 2015	Somsom	40 m3
	Single Size	40 m3
May 4, 2015	Single Size	80 m3



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Material Log

Date	Material Delivered to Site	Quantity
May 5, 2015	Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15	8 PC
May 6, 2015	Filling Material	500 m3
May 7, 2015	Precast Water Manhole	2 PC
	Single Size	400 m3
May 8, 2015	None	None
May 9, 2015	Water Manholes Covers	12 PC
	Single Size	400 m3
	Sewer Manholes Covers	14 PC
May 10, 2015	Single Size	60 m3
May 11, 2015	Single Size	200 m3
	Filling Material	200 m3
May 12, 2015	Single Size	140 m3
May 13, 2015	Single Size	120 m3
May 14, 2015	Single Size	120 m3
	Precast Water Manhole	2 PC
	Filling Material	150 m3
May 15, 2015	None	None
May 16, 2015	Filling Material	400 m3
May 17, 2015	Filling Material	120 m3
May 18, 2015	None	None
May 19, 2015	Filling Material	200 m3
May 20, 2015	Filling Material	300 m3
May 21, 2015	Filling Material	120 m3
May 22, 2015	None	None
May 23, 2015	Filling Material	200 m3
	Concrete B300	7 m3
May 24, 2015	Single Size	100 m3
	Somsom	100 m3
May 25, 2015	Filling Material	300 m3
	Concrete B350	16 m3
May 26, 2015	Filling Material	200 m3
May 27, 2015	Filling Material	200 m3
May 28, 2015	Single Size	40 m3
	Concrete B350	12.5 m3
May 29, 2015	None	None
May 30, 2015	Base Coarse	200 m3
May 31, 2015	Base Coarse	80 m3
Month : June, 2015		
June 1, 2015	Filling Material	300 m3
	Concrete B350	3 m3
June 2, 2015	Base Couarse	200 m3
	Somsom	20 m3
	Precast Manholes	2 PC
June 3, 2015	Base Course	600 m3
	Filling Material	300 m3
June 4, 2015	Base Course	200 m3
	Rock fill Materials	200 m3
June 5, 2015		
June 6, 2015	Base Course	200 m3



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Date	Material Delivered to Site	Quantity
June 6, 2015	Rock fill Materials	300 m3
June 7, 2015	Rock fill Materials	300 m3
June 8, 2015	Rock fill Materials	250 m3
June 9, 2015	Rock fill Materials	400 m3
June 10, 2015	Rock fill Materials	100 m3
	Pipe Culvert(1000 mm Diameter)	20 ML
June 11, 2015	Rock fill Materials	250 m3
June 12, 2015		
June 13, 2015	Rock fill Materials	200 m3
	Base Course	300 m3
June 14, 2015	Rock fill Materials	300 m3
	Base Course	400 m3
June 15, 2015	Concrete B200	14 m3
June 16, 2015	None	None
June 17, 2015	None	None
June 18, 2015	None	None
June 19, 2015		
June 20, 2015	Concrete B300	11 m3
June 21, 2015	Concrete B300	11 m3
June 22, 2015	Base Course	80 m3
June 23, 2015	Base Course	300 m3
June 24, 2015	Base Course	580 m3
	Concrete B300	8.5 m3
June 25, 2015	Base Course	40 m3
	Concrete B300	6.5 m3
	Reinforced steel	1.314 ton
June 26, 2015		
June 27, 2015	Granular fill	40 m3
June 28, 2015	Granular fill	100 m3
	Concrete B300	18 m3
June 29, 2015	Granular fill	60 m3
	Concrete B300	11 m3
June 30, 2015	Base Coarse	560 m3
	Concrete B 300	9 m3
	Galvanized Steel Pipe 2"	130 ml
Month : July, 2015		
July 1, 2015	Base Coarse	460m3
	Reinforced steel	4.1ton
July 2, 2015	Base Coarse	80m3
	Concrete B300	9m3
July 3, 2015		
July 4, 2015	Granular fill	40m3
	Concrete B300	19m3
	Single Size aggregate	80m3
July 5, 2015	Granular fill	40m3
	Concrete B300	6.5m3
	Concrete B200	31m3
July 6, 2015	Concrete B300	14m3
July 7, 2015	Granular fill	80m3
	Concrete B300	5m3



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Date	Material Delivered to Site	Quantity
July 8, 2015	Concrete B300	7m3
	Reinforced steel	4.66ton
July 9, 2015	Single Size	100m3
	Concrete B300	4m3
July 10, 2015		
July 11, 2015	Reinforced steel	15.1ton
July 12, 2015	Asphalt	858ton
July 13, 2015	Reinforced steel	4.17ton
	Granular fill	180m3
July 14, 2015	Granular fill	100m3
	Concrete Sewer Pipe	6ml
	Reinforced steel	3tons
July 15, 2015	Granular fill	120m3
	Concrete Sewer Pipe	24ml
	Concrete B300	106m3
July 16, 2015		
July 17, 2015		
July 18, 2015		
July 19, 2015		
July 20, 2015		
July 21, 2015	Concrete Sewer Pipe	6ml
	Single Size	120m3
	Granular fill	80m3
	Sand	20m3
	Rubber gasket	102 unit
July 22, 2015	Concrete Sewer Pipe	12ml
	Single Size	60m3
	Granular fill	60m3
	Concrete B300	44m3
July 23, 2015	Concrete Sewer Pipe	30ml
	Single Size	80m3
	Granular fill	80m3
July 24, 2015		
July 25, 2015	Concrete Sewer Pipe	30ml
	Concrete B300	50m3
	Granular fill	100m3
July 26, 2015	Concrete Sewer Pipe	30ml
	Concrete (B300)	50 m3
	Granular fill	100m3
July 27, 2015	Concrete Sewer Pipe	12ml
July 28, 2015	Concrete B300	25m3
	Granular fill	40m3
	Reinforced steel	4.15ton
July 29, 2015	Concrete Sewer Pipe	4ml
	Granular fill	60m3
	Curbstone	120ml
July 30, 2015	Concrete Sewer Pipe	12ml
	Concrete B300	18m3
	Granular fill	60m3
July 31, 2015		



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Date	Material Delivered to Site	Quantity
Month : August, 2015		
August 1, 2015	Concrete Sewer Pipe	12ml
	Concrete B300	12m3
	Granular fill	80m3
August 2, 2015	Granular fill	80m3
August 3, 2015	Concrete Sewer Pipe	12ml
	Granular fill	40m3
August 4, 2015	Concrete Sewer Pipe	12ml
	Granular fill	40m3
August 5, 2015	Concrete Sewer Pipe	12ml
	Granular fill	60m3
	Concrete B300	21m3
	Concrete B300(slag cement)	7m3
August 6, 2015	Concrete Sewer Pipe	12ml
August 7, 2015		
August 8, 2015	Asphalt Material	710 ton
	Concrete Sewer Pipe	12ml
August 9, 2015	Concrete Sewer Pipe	18ml
	Concrete B300	15m3
	Granular fill	80m3
August 10, 2015	Concrete Sewer Pipe	18ml
	Concrete B300	3.5m3
	Granular fill	80m3
August 11, 2015	Concrete Sewer Pipe	18ml
	Concrete B300(slag cement)	9m3
	Granular fill	60m3
August 12, 2015	Base Course	20m3
	Concrete Sewer Pipe	24ml
	Concrete B300	90m3
	Granular fill	60m3
	Single Size	60m3
August 13, 2015	Concrete Sewer Pipe	18ml
	Concrete B300	61m3
	Granular fill	60m3
	Single Size	60m3
August 14, 2015		
August 15, 2015	Base Course	20m3
	Concrete Sewer Pipe	24ml
	Single Size	80m3
	Granular fill	60m3
August 16, 2015	Concrete Sewer Pipe	30ml
	Concrete B300	12m3
	Granular fill	100m3
August 17, 2015	Concrete Sewer Pipe	36ml
	Granular fill	100m3
August 18, 2015	Concrete Sewer Pipe	30ml
	Granular fill	120m3
	Concrete B300	12m3
	Single Size	100 m3
	Concrete Sewer Pipe	36 ml



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Date	Material Delivered to Site	Quantity
August 19, 2015	Granular fill	100 m3
	Concrete B200	5 m3
	Single Size	100 m3
August 20, 2015	Concrete Sewer Pipe	36 ml
	Granular fill	100 m3
	Concrete B200	5 m3
	Single Size	100 m3
August 21, 2015	None	None
August 22, 2015	Concrete Sewer Pipe	9 PCS
	Concrete B300 (Slag Cement)	6 m3
	Concrete B200	2 m3
	Single Size	100 m3
	somsom	100 m3
August 23, 2015	Granular fill	100 m3
	Concrete B300 (Slag Cement)	11.5 m3
	Concrete B300	114 m3
	Single Size	120 m3
	Nit proof	10 PCS
	Nit cote	15 PCS
	Steel Reinforcement	4 ton
August 24, 2015	Concrete B300	34 m3
	Concrete B300 (Slag cement)	13 m3
	Single size	120 m3
	Concret sewer pipes (1500mm)	21 PCS
	Base course	20 m3
August 25, 2015	Concrete Sewer Pipes (1500mm)	3 PCS
	Somsom	20 TON
August 26, 2015	Concrete sewer pipes (1500mm)	18 PCS
	Single size	120 m3
	Concrete (B300) (slag cement)	3.0 m3
	Concrete (B300)	14 m3
	Concrete (B200)	1 m3
August 27, 2015	Concrete sewer pipes (1500mm)	15 PCS
	Single size	120 m3
August 28, 2015	Prime Coat MC	1300 kg
August 29, 2015	Asphalt 3/4" hot mix	550 ton
	Single Size	120 m3
	RC Table Coat	4500 kg
August 30, 2015	Single Size	120 m3
	Mechanical Valves & Dismantle Connectives	28 PCS
August 31, 2015	Single Size	120 m3
	Concrete B300	1.5 m3
Month : September, 2015		
September 1, 2015	Concrete B300 (Slag cement)	23 m3
	Concrete B300	8.5 m3
	Single Size	100 m3
September 2, 2015	Concrete B300 (Slag cement)	14 m3
	Single size	140 m3
	Steel Reinforcement	4 TON
	Tie rod	1100 PCS



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Date	Material Delivered to Site	Quantity
September 3, 2015	Concrete B300 (Slag cement)	3.5 m3
	single size	140 m3
September 4, 2015		
September 5, 2015	Concrete B300 (Slag cement)	7 m3
	single size	120 m3
September 6, 2015	Concrete B300(slag cement)	9 m3
	Concrete B300	36 m3
	single Size	120 m3
	Nit proof 15	14 Gallon
September 7, 2015	single Size	100 m3
September 8, 2015	Concrete B300 (Slag cement)	13 m3
	single Size	200 m3
	Base course	40 m3
	Manhole steps	100 PCS
September 9, 2015	Concrete B300 (Slag cement)	13 m3
	single Size	200 m3
	Base course	200 m3
September 10, 2015	Concrete B300 (Slag cement)	11 m3
	single Size	140 m3
	Base course	100 m3
September 11, 2015		
September 12, 2015	Concrete B300(slag cement)	2.5 m3
	Concrete B300	2.0 m3
	single Size	100 m3
	Guard rail	150 ml
	Traffic signs tube	18 PCS
September 13, 2015	Concrete B300 (Slag cement)	2 m3
	single Size	120 m3
	Guard rail	300 ml
	Traffic signs	14 PCS
September 14, 2015	Concrete B300 (Slag cement)	35.5 m3
	single Size	140 m3
	Guard rail	150 ml
September 15, 2015	Concrete B300 (Slag cement)	14 m3
	single Size	100 m3
	Base Course	100 ml
September 16, 2015	Concrete B300 (Slag cement)	16 m3
	single Size	100 m3
	Guard rail	250 ml
September 17, 2015	Concrete B300 (Slag cement)	22m3
	single size	140 m3
September 18, 2015		
September 19, 2015	Concrete B300 (Slag cement)	7 m3
	Single Size	80 m3
	MC Prime Coat	2800 liter
September 20, 2015	Asphalt 3/4" hot mix	660 TON
	Concrete B300 (Slag cement)	2 m3
	Nito coat ET402E	14 barrel
September 21, 2015	Base course	60 m3
September 22, 2015	Concrete B300	63 m3



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Hebron WWTP Access Road



Material Log

Date	Material Delivered to Site	Quantity
September 23, 2015		
September 24, 2015		
September 25, 2015		
September 26, 2015		
September 27, 2015	Concrete B300	63 m3
September 28, 2015	Concrete B300 (Slag cement)	5 m3
	Guard Rail	50 ml
	Traffic Sign Post	15 PCS
September 29, 2015	None	None
September 30, 2015	Single Size	20 m3
	Thermoplastic Paint	20 sag
Month : October, 2015		
October 1, 2015	Concrete B300	3 m3
	Thermoplastic Paint	20 sag
	Cat eyes	200 pieces
October 2, 2015		
October 3, 2015		
October 4, 2015		
October 5, 2015		
October 6, 2015		
October 7, 2015		
October 8, 2015		
October 9, 2015		
October 10, 2015		
October 11, 2015		
October 12, 2015		
October 13, 2015		
October 14, 2015		
October 15, 2015		
October 16, 2015		
October 17, 2015		
October 18, 2015	Base Coarse	60 m3
October 19, 2015		
October 20, 2015	Concrete B300	24 m3



USAID WEST BANK - GAZA

Local Construction Program (LCP)

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Equipment Log

Date Equipment		15-Dec-15	16-Dec-15	17-Dec-15	18-Dec-15	19-Dec-15	20-Dec-15	21-Dec-15	22-Dec-15	23-Dec-15	24-Dec-15	25-Dec-15	26-Dec-15	27-Dec-15	28-Dec-15	29-Dec-15	30-Dec-15	31-Dec-15
		Grader	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Wheel Loader	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Bob Cat	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Compactor	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
JCB	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Excavator	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Trencher	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
Welding Machine	Quantity in use	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	Quantity idle	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0



Annex B:

Site Memorandum Log



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-15-000001
Hebron WWTP Access Road



SITE MEMOS LOG_FROM ENGINEER TO CONTRACTOR

No.	SM No.	Project	Description	Recieved Date	Type
1	SM -15-000001-HAR-E-C-001	HAR	De- scoping for flow monitring chambers , instrumentations and SCADA	March 5, 2015	Site instruction
2	SM -15-000001-HAR-E-C-002	HAR	Typical Cross Section For Segment A of the Road From STA.B 0+200 TO STA.B1+040	Retracted March 09,2015	Site instruction
3	SM -15-000001-HAR-E-C-002	HAR	Typical Cross Section For Segment A of the Road From STA.B 0+200 TO STA.B1+040	March 10, 2015	Site instruction
4	SM -15-000001-HAR-E-C-003	HAR	Additional 4" Water Gate Valve and Chamber at Sta . A0+182	March 16, 2015	Site instruction
5	SM -15-000001-HAR-E-C-004	HAR	Response to SM-15-000001-C-E-001(Unstable Concrete Wall Adjacent to 4" water pipeline at Segment A)	April 6, 2015	Site instruction
6	SM -15-000001-HAR-E-C-005	HAR	Trench Backfilling for Water Pipe Line at Segment B	May 12, 2015	Record of Unsatisfactory Work Practice
7	SM -15-000001-HAR-E-C-006	HAR	Retaning Wall Concrete Fisish Quality at Seg.B	May 18, 2015	Record of Non Qualirty Compliance &Site instruction
8	SM -15-000001-HAR-E-C-007	HAR	Response to SM-15-000001-C-E-004(Landowners Objection Toward Construction of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+257 RHS) and SM-15-000001-C-E-005(Work prevention by landowners at Segment A From Sta.A0+230 to Sta.A0+480	May 18, 2015	Other
9	SM -15-000001-HAR-E-C-008	HAR	Land Obstruction at Sta.B0+030	June 8, 2015	Site instruction
10	SM -15-000001-HAR-E-C-009	HAR	Construction of concrete Ditches at Segment A and B	June 23, 2015	Site instruction
11	SM -15-000001-HAR-E-C-010	HAR	Additional Works.	June 24, 2015	Site instruction
12	SM -15-000001-HAR-E-C-011	HAR	Unaccepted Asphalt Material at Segment A	July 28, 2015	Site instruction & Record of Non Quality Compliance



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SITE MEMOS LOG_FROM ENGINEER TO CONTRACTOR

No.	SM No.	Project	Description	Recieved Date	Type
13	SM -15-000001-HAR-E-C-012	HAR	Work disruption by Hebron Electric Power Company (HEPCO)	August 2, 2015	other
14	SM -15-000001-HAR-E-C-013	HAR	Response to SM-15-000001-C-E-009(Work disruption by Hebron Electric Power Company (HEPCO)).	August 9, 2015	other
15	SM -15-000001-HAR-E-C-014	HAR	Asphalt Finish Quality at HAR Project Seg B.	August 11, 2015	Record of Non Quality Compliance
16	SM -15-000001-HAR-E-C-015	HAR	Response to SM-15-000001-C-E-010(Quality Issues Regarding HEPCO works).	August 16, 2015	other
17	SM -15-000001-HAR-E-C-016	HAR	Asphalt Finish Quality at HAR Project Seg A.	September 1, 2015	Site instruction & Record of Non Quality Compliance
18	SM -15-000001-HAR-E-C-017	HAR	Unsafe conditions	September 6, 2015	Record of Unsatisfactory Work Practice &Record of Unsafe Condition
19	SM -15-000001-HAR-E-C-018	HAR	Response to SM -15-000001-HAR-C-E-011(work disruption due to dumping waste materials (Stone Cutting Sully))	September 14, 2015	Other
20	SM -15-000001-HAR-E-C-019	HAR	Damages of the existing stone wall at segment A	September 14, 2015	Site instruction
21	SM -15-000001-HAR-E-C-020	HAR	Hebron Access Road Project Initial List	September 20, 2015	Other
22	SM -15-000001-HAR-E-C-021	HAR	Response to SM-15-000001-HAR-C-E-12	October 1, 2015	Other
23	SM -15-000001-HAR-E-C-022	HAR	Response to SM-15-000001-HAR-C-E-13	October 1, 2015	Other



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SITE MEMOS LOG_FROM CONTRACTOR TO ENGINEER

No.	SM No.	Project	Description	Submitted Date	Type
1	SM -15-000001-HAR-C-E-001	HAR	Unstable Concrete Wall Adjacent to 4" water pipeline at Segment A	April 1, 2015	Record of Unsafe Condition
2	SM -15-000001-HAR-C-E-002	HAR	Telephone cable Adjacent to 4" water pipeline at Segment A	April 5, 2015	Record of Unsafe Condition
3	SM -15-000001-HAR-C-E-003	HAR	Work disruption by landowners (Road Segment – A)	April 28, 2015	Other
4	SM -15-000001-HAR-C-E-004	HAR	Landowners Objection Toward Construction of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+257 RHS	May 14, 2015	Other
5	SM -15-000001-HAR-C-E-005	HAR	Work Prevention by Landowners at Segment A from Sta.A0+230 to Sta.A0+480	May 17, 2015	Other
6	SM -15-000001-HAR-C-E-006	HAR	Work Disruption By Landowner	May 21, 2015	Other
7	SM -15-000001-HAR-C-E-007	HAR	Remobilization for construction of Box Culvert at St. B0+030 Response to (SM-15-000001-E-C-008)	June 10, 2015	Other
8	SM -15-000001-HAR-C-E-008	HAR	Work disruption by Hebron Electric Power Company (HEPCO)	July 30, 2015	Other
9	SM -15-000001-HAR-C-E-009	HAR	Work disruption by Hebron Electric Power Company (HEPCO)	August 6, 2015	Other
10	SM -15-000001-HAR-C-E-010	HAR	Quality Issues Regarding HEPCO works	August 12, 2015	Other
11	SM -15-000001-HAR-C-E-011	HAR	work disruption due to dumping waste materials (Stone Cutting Sully)	August 20, 2015	Other
12	SM -15-000001-HAR-C-E-012	HAR	Response to BV site Memo. No. 014	September 16, 2015	Other



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SITE MEMOS LOG_FROM CONTRACTOR TO ENGINEER

No.	SM No.	Project	Description	Submitted Date	Type
13	SM -15-000001-HAR-C-E-013	HAR	Response to BV site Memo. No. 016	September 16, 2015	Other
14	SM -15-000001-HAR-C-E-014	HAR	Response to BV site Memo. No. 017	October 1, 2015	Other



Annex C:

Inspection Request Log



USAID WEST BANK - GAZA
Local Construction Program (LCP)
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TASK ORDER NO. AID-294-TO-15-000001
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INSPECTION REQUEST LOG

No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
1	IR -15-01-HAR-001-A	Filed Office IT& Furniture	January 20, 2015	January 22, 2015	January 23, 2015	January 21, 2015	-1	D	
2	IR -15-01-HAR-001-B	Filed Office IT& Furniture	January 25, 2015	January 25, 2015	January 26, 2015	January 26, 2015	1	A	
3	IR -15-01-HAR-002-A	Temporary Signs Location & Installation	January 29, 2015	January 29, 2015	January 30, 2015	January 29, 2015	0	A	
4	IR -15-01-HAR-003-A	Traffic signs locations	February 11, 2015	February 11, 2015	February 12, 2015	February 12, 2015	1	C	
5	IR -15-01-HAR-003-B	Traffic signs locations	February 12, 2015	February 12, 2015	February 13, 2015	February 15, 2015	3	A	
6	IR -15-01-HAR-004-A	Steel Pipes 2"	February 26, 2015	March 1, 2015	March 2, 2015	March 2, 2015	1	C	
7	IR -15-01-HAR-004-B	Steel Pipes 2"	March 25, 2015	March 25, 2015	March 26, 2015	March 26, 2015	1	A	
8	IR -15-01-HAR-005-A	Excavation to the proposed Retaining wall Foundation levels from Sta. B0+040 to B0+090 RHS	March 4, 2015	March 5, 2015	March 6, 2015	March 5, 2015	0	A	
9	IR -15-01-HAR-006-A	Steel Pipes 4"	March 5, 2015	March 8, 2015	March 9, 2015	March 9, 2015	1	A	
10	IR -15-01-HAR-007-A	Implementing Safety Traffic Plan at Segment A to Start Excavation	March 5, 2015	March 8, 2015	March 9, 2015	March 8, 2015	0	C	
11	IR -15-01-HAR-007-B	Implementing Safety Traffic Plan at Segment A From ST.A0+800 TO A1+005 to Start Digging only	March 9, 2015	March 9, 2015	March 10, 2015	March 9, 2015	0	C	
12	IR -15-01-HAR-007-C	Implementing Safety Traffic Plan at Segment A to Start Excavation	March 15, 2015	March 15, 2015	March 16, 2015	March 15, 2015	0	A	
13	IR -15-01-HAR-008-A	Retaining Wall Blinding Concrete From Sta.B0+040 to B0+090 RHS	March 17, 2015	March 17, 2015	March 18, 2015	March 17, 2015	0	A	
14	IR -15-01-HAR-009-A	Implementing Safety Traffic Plan for trenches excavation of 4" water line From Sta.A0+900 to Sta.A1+000	March 19, 2015	March 19, 2015	March 20, 2015	March 19, 2015	0	A	
15	IR -15-01-HAR-010-A	Retaining Wall Blinding Concrete From Sta.B0+090 to B0+230 RHS	March 19, 2015	March 19, 2015	March 20, 2015	March 19, 2015	0	A	
16	IR -15-01-HAR-011-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+950 to Sta.A0+974	March 19, 2015	March 19, 2015	March 20, 2015	March 19, 2015	0	A	
17	IR -15-01-HAR-012-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+800 to Sta.A0+950	March 19, 2015	March 21, 2015	March 22, 2015	March 22, 2015	1	A	
18	IR -15-01-HAR-013-A	Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+040 to Sta.B0+090 RHS	March 22, 2015	March 22, 2015	March 23, 2015	March 22, 2015	0	A	
19	IR -15-01-HAR-014-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+740 to Sta.A0+800	March 23, 2015	March 23, 2015	March 24, 2015	March 24, 2015	1	A	
20	IR -15-01-HAR-015-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+660 to Sta.A0+740	March 24, 2015	March 24, 2015	March 25, 2015	March 25, 2015	1	A	
21	IR -15-01-HAR-016-A	Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+090 to Sta.B0+160 RHS	March 24, 2015	March 25, 2015	March 26, 2015	March 25, 2015	0	A	



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INSPECTION REQUEST LOG

No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
22	IR -15-01-HAR-017-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+600 to Sta.A0+660	March 25, 2015	March 25, 2015	March 26, 2015	March 26, 2015	1	A	
23	IR -15-01-HAR-018-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+500 to Sta.A0+600	March 26, 2015	March 26, 2015	March 27, 2015	March 26, 2015	0	A	
24	IR -15-01-HAR-019-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+420 to Sta.A0+500	March 28, 2015	March 28, 2015	March 29, 2015	March 29, 2015	1	A	
25	IR -15-01-HAR-020-A	Retaining Walls Footing Level, Dimension , Formwork, Reinforcement From Sta.B0+150 to Sta.B0+230 RHS	March 29, 2015	March 29, 2015	March 30, 2015	March 29, 2015	0	A	
26	IR -15-01-HAR-021-A	Handing over ground level and ROW limits at Segment B From Sta.B0+550 to Sta.B0+650 RHS to start filling layers	March 29, 2015	March 29, 2015	March 30, 2015	March 30, 2015	1	A	
27	IR -15-01-HAR-022-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+320 to Sta.A0+420	March 29, 2015	March 29, 2015	March 30, 2015	March 30, 2015	1	A	
28	IR -15-01-HAR-023-A	Reinforced Wall Formwork From Sta.B0+082 to Sta.B0+090 RHS	March 30, 2015	March 30, 2015	March 31, 2015	March 30, 2015	0	A	
29	IR -15-01-HAR-024-A	Reinforced Wall (Levels , Reinforcement) From Sta.B0+082 to Sta.B0+090 RHS	March 30, 2015	March 30, 2015	March 31, 2015	March 30, 2015	0	A	
30	IR -15-01-HAR-025-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+250 to Sta.A0+320	March 30, 2015	March 30, 2015	March 31, 2015	March 31, 2015	1	A	
31	IR -15-01-HAR-026-A	Reinforced Wall (Levels , Reinforcement) From Sta.B0+090 to Sta.B0+097.5 RHS	March 31, 2015	March 31, 2015	April 1, 2015	March 31, 2015	0	A	
32	IR -15-01-HAR-027-A	First filling layer Above subgrade at Segment B From Sta.B0+480 to Sta.B0+680	April 2, 2015	April 2, 2015	April 3, 2015	April 2, 2015	0	A	
33	IR -15-01-HAR-028-A	Reinforced Wall Formwork From Sta.B0+090 to Sta.B0+097.5 RHS	April 2, 2015	April 2, 2015	April 3, 2015	April 2, 2015	0	A	
34	IR -15-01-HAR-029-A	Retaining Wall Formwork From Sta.B0+074 to Sta.B0+082 RHS	April 2, 2015	April 2, 2015	April 3, 2015	April 2, 2015	0	A	
35	IR -15-01-HAR-030-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+074 to Sta.B0+082 RHS	April 2, 2015	April 2, 2015	April 3, 2015	April 2, 2015	0	A	
36	IR -15-01-HAR-031-A	Implementing Safety Traffic Plan for trenches excavation of 4" water pipeline From Sta.A0+220 to Sta.A0+260 and From Sta.A0+970 to Sta.A1+002	April 2, 2015	April 4, 2015	April 5, 2015	April 4, 2015	0	A	
37	IR -15-01-HAR-032-A	Retaining Wall (Levels , Reinforcement)From Sta.B0+067.5 to Sta.B0+075 RHS & From Sta.B0+097.5 to Sta.B0+105 RHS	April 4, 2015	April 4, 2015	April 5, 2015	April 4, 2015	0	A	
38	IR -15-01-HAR-033-A	Retaining Wall Formwork From Sta.B0+067.5 to Sta.B0+075 RHS & From Sta.B0+097.5 to Sta.B0+105 RHS	April 5, 2015	April 5, 2015	April 6, 2015	April 5, 2015	0	A	
39	IR -15-01-HAR-034-A	Second Filling layer 50 cm at Segment B From Sta.B0+480 to Sta.B0+680	April 6, 2015	April 6, 2015	April 7, 2015	April 7, 2015	1	A	



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INSPECTION REQUEST LOG

No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
40	IR -15-01-HAR-035-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+230 to Sta.A0+250	April 6, 2015	April 6, 2015	April 7, 2015	April 7, 2015	1	A	
41	IR -15-01-HAR-036-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+105 to Sta.B0+120RHS	April 7, 2015	April 7, 2015	April 8, 2015	April 7, 2015	0	A	
42	IR -15-01-HAR-037-A	Retaining Wall Formwork From Sta.B0+105 to Sta.B0+112.8 RHS	April 7, 2015	April 7, 2015	April 8, 2015	April 7, 2015	0	A	
43	IR -15-01-HAR-038-A	Retaining Wall Formwork From Sta.B0+112.8 to Sta.B0+120 RHS	April 8, 2015	April 8, 2015	April 9, 2015	April 8, 2015	0	A	
44	IR -15-01-HAR-039-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+120 to Sta.B0+127.5RHS & From Sta.B0+135 to Sta.B0+142.5RHS	April 9, 2015	April 9, 2015	April 10, 2015	April 9, 2015	0	A	
45	IR -15-01-HAR-040-A	Retaining Wall Formwork From Sta.B0+120 to Sta.B0+127.5RHS & From Sta.B0+135 to Sta.B0+142.5RHS	April 9, 2015	April 9, 2015	April 10, 2015	April 9, 2015	0	A	
46	IR -15-01-HAR-041-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+127.5 to Sta.B0+135RHS & From Sta.B0+142.5to Sta.B0+150RHS	April 13, 2015	April 13, 2015	April 14, 2015	April 13, 2015	0	A	
47	IR -15-01-HAR-042-A	Retaining Wall Formwork From Sta.B0+127.5 to Sta.B0+135RHS & From Sta.B0+142.5to Sta.B0+150RHS	April 14, 2015	April 14, 2015	April 15, 2015	April 14, 2015	0	A	
48	IR -15-01-HAR-043-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+150 to Sta.B0+157.5RHS & From Sta.B0+165.5to Sta.B0+172RHS	April 15, 2015	April 15, 2015	April 16, 2015	April 15, 2015	0	A	
49	IR -15-01-HAR-044-A	Retaining Wall Formwork From Sta.B0+150 to Sta.B0+157.5RHS & From Sta.B0+165.5to Sta.B0+172RHS	April 15, 2015	April 15, 2015	April 16, 2015	April 16, 2015	1	A	
50	IR -15-01-HAR-045-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+157.5 to Sta.B0+165 & Sta.B0+172.5 to Sta.B0+180 RHS	April 16, 2015	April 18, 2015	April 19, 2015	April 19, 2015	1	A	
51	IR -15-01-HAR-046-A	Retaining Wall Formwork From Sta.B0+157.5 to Sta.B0+165 & Sta.B0+172.5 to Sta.B0+180 RHS	April 16, 2015	April 18, 2015	April 19, 2015	April 19, 2015	1	A	
52	IR -15-01-HAR-047-A	Third Filling layer 25cm at Segment B From Sta.B0+480 to Sta.B0+680	April 20, 2015	April 20, 2015	April 21, 2015	April 20, 2015	0	C	
53	IR -15-01-HAR-047-B	Third Filling layer 25cm at Segment B From Sta.B0+480 to Sta.B0+680	April 27, 2015	April 27, 2015	April 28, 2015	April 27, 2015	0	A	
54	IR -15-01-HAR-048-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+180 to Sta.B0+195	April 20, 2015	April 20, 2015	April 21, 2015	April 20, 2015	0	A	
55	IR -15-01-HAR-049-A	Retaining Wall Formwork From Sta.B0+180 to Sta.B0+195	April 20, 2015	April 20, 2015	April 21, 2015	April 20, 2015	0	A	
56	IR -15-01-HAR-050-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+202.5 to Sta.B0+217.5	April 22, 2015	April 22, 2015	April 23, 2015	April 22, 2015	0	A	
57	IR -15-01-HAR-051-A	Retaining Wall Formwork From Sta.B0+202.5 to Sta.B0+217.5	April 22, 2015	April 22, 2015	April 23, 2015	April 22, 2015	0	A	



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INSPECTION REQUEST LOG

No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
58	IR -15-01-HAR-052-A	Retaining Wall Preparation for Protective Coating From Sta.B0+067.5 to Sta.B0+120 RHS Nearby land Side	April 22, 2015	April 22, 2015	April 23, 2015	April 22, 2015	0	A	
59	IR -15-01-HAR-053-A	Traffic Implementation to Start Widening Excavation From Sta.A1+000 to Sta.A1+056 RHS	April 22, 2015	April 22, 2015	April 23, 2015	April 22, 2015	0	A	
60	IR -15-01-HAR-054-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+020 to Sta.A0+080	April 22, 2015	April 22, 2015	April 23, 2015	April 23, 2015	1	A	
61	IR -15-01-HAR-055-A	Handing Over First Protective Coating of Retaining Wall From Sta.0+067.5 to Sta.B0+120 RHS	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
62	IR -15-01-HAR-056-A	Handing Over Second Protective Coating of Retaining Wall (Outer Surface) to Start Backfilling From Sta.0+067.5 to Sta.B0+120 RHS	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
63	IR -15-01-HAR-057-A	Retaining Wall Preparation for Protective Coating From Sta.B0+067.5 to Sta.B0+120 RHS Road Side	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
64	IR -15-01-HAR-058-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+217.5 to Sta.B0+230 RHS	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
65	IR -15-01-HAR-059-A	Retaining Wall Formwork From Sta.B0+217.5 to Sta.B0+230 RHS	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
66	IR -15-01-HAR-060-A	Excavation works (Leveling , Compaction) to start filling layer at Segment B From Sta.B0+680 to Sta.B0+980	April 23, 2015	April 23, 2015	April 24, 2015	April 23, 2015	0	A	
67	IR -15-01-HAR-061-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+080 to Sta.A0+180	April 23, 2015	April 25, 2015	April 26, 2015	April 26, 2015	1	A	
68	IR -15-01-HAR-062-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+180 to Sta.A0+200	April 26, 2015	April 26, 2015	April 27, 2015	April 27, 2015	1	A	
69	IR -15-01-HAR-063-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+060 to Sta.B0+067.5 RHS & From Sta.B0+195 to Sta.B0+202.5 RHS	April 26, 2015	April 26, 2015	April 27, 2015	April 27, 2015	1	A	
70	IR -15-01-HAR-064-A	Retaining Wall Formwork From Sta.B0+060 to Sta.B0+067.5 RHS & From Sta.B0+195 to Sta.B0+202.5 RHS	April 26, 2015	April 27, 2015	April 28, 2015	April 27, 2015	0	A	
71	IR -15-01-HAR-065-A	Rock fill First Layer (Benching) From Sta.B0+860 to Sta.B0+920 RHS	April 26, 2015	April 26, 2015	April 27, 2015	April 27, 2015	1	A	
72	IR -15-01-HAR-066-A	Road Center Line (Coordinates and levels and limits of ROW) From Sta.B0+860 to Sta.B0+980	April 26, 2015	April 26, 2015	April 27, 2015	Retracted	R	Retracted	
73	IR -15-01-HAR-066-A	Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Road land Side	April 27, 2015	April 28, 2015	April 29, 2015	April 28, 2015	0	C	A
74	IR -15-01-HAR-067-A	Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+067.5 to Sta.B0+120 RHS	April 26, 2015	April 26, 2015	April 27, 2015	April 27, 2015	1	A	
75	IR -15-01-HAR-068-A	Grabbing and Cleaning for the Road From Sta.B0+950 to Sta.B0+980	April 27, 2015	April 27, 2015	April 28, 2015	April 28, 2015	1	A	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
76	IR -15-01-HAR-069-A	Rock fill First Layer (Benching) From Sta.B0+230 to Sta.B0+270 RHS	April 27, 2015	April 27, 2015	April 28, 2015	April 27, 2015	0	A	
77	IR -15-01-HAR-070-A	Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+067.5 to Sta.B0+120 RHS	April 27, 2015	April 27, 2015	April 28, 2015	April 27, 2015	0	A	
78	IR -15-01-HAR-071-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding, backfilling , warning tape) From Sta.A0+215 to Sta.A0+230 RHS	April 27, 2015	April 27, 2015	April 28, 2015	April 28, 2015	1	A	
79	IR -15-01-HAR-072-A	Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Nearby land Side	April 27, 2015	April 28, 2015	April 29, 2015	April 28, 2015	0	C	
80	IR -15-01-HAR-072-B	Retaining Wall Preparation for Protective Coating From Sta.B0+120 to Sta.B0+180 RHS Nearby land Side	April 29, 2015	April 29, 2015	April 30, 2015	April 29, 2015	0	A	
81	IR -15-01-HAR-073-A	Threaded Galvanized Coupling Per SUB-15-000001-HAR-115-A	April 27, 2015	April 27, 2015	April 28, 2015	April 28, 2015	1	A	
82	IR -15-01-HAR-074-A	Retaining Wall (Levels , Reinforcement) From Sta.B0+043 to Sta.B0+060 RHS	April 29, 2015	April 29, 2015	April 30, 2015	April 29, 2015	0	A	
83	IR -15-01-HAR-075-A	Retaining Wall Formwork From Sta.B0+043 to Sta.B0+060 RHS	April 29, 2015	April 29, 2015	April 30, 2015	May 3, 2015	4	A	
84	IR -15-01-HAR-076-A	Rock Fill Layer From Sta.B0+860 to Sta.B0+940	April 29, 2015	April 29, 2015	April 30, 2015	April 29, 2015	0	A	
85	IR -15-01-HAR-077-A	Handing Over Second Imported Filling layer (Fourth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680	April 29, 2015	April 29, 2015	April 30, 2015	April 29, 2015	0	A	
86	IR -15-01-HAR-078-A	Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+120 to Sta.B0+180 RHS	April 30, 2015	April 30, 2015	May 1, 2015	April 30, 2015	0	A	
87	IR -15-01-HAR-079-A	Handing Over Third Imported Filling layer (Fifth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680	May 2, 2015	May 2, 2015	May 3, 2015	May 2, 2015	0	A	
88	IR -15-01-HAR-080-A	Handing Over First Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+860 to Sta.B0+930	May 2, 2015	May 2, 2015	May 3, 2015	May 3, 2015	1	A	
89	IR -15-01-HAR-081-A	Retaining Wall Preparation for Protective Coating From Sta.B0+180 to Sta.B0+230 RHS Road Side	May 2, 2015	May 2, 2015	May 3, 2015	May 3, 2015	1	A	
90	IR -15-01-HAR-082-A	Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+120 to Sta.B0+180 RHS	May 2, 2015	May 2, 2015	May 3, 2015	May 3, 2015	1	A	
91	IR -15-01-HAR-083-A	Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860	May 3, 2015	May 3, 2015	May 4, 2015	May 4, 2015	1	C	
92	IR -15-01-HAR-083-B	Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860	May 6, 2015	May 5, 2015	May 6, 2015	May 6, 2015	1	C	
93	IR -15-01-HAR-083-C	Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+420 & From Sta.B0+720 to Sta.B0+860	May 7, 2015	May 7, 2015	May 8, 2015	May 7, 2015	0	A	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
94	IR -15-01-HAR-084-A	Retaining Wall Backfill (Single Size Aggregate) at Segment B From Sta.B0+180 to Sta.B0+230	May 4, 2015	May 4, 2015	May 5, 2015	May 4, 2015	0	A	
95	IR -15-01-HAR-085-A	Rock Fill Layer (Benching) From Sta.B0+940to Sta.B0+980 RHS as per IR -15-01-HAR-068-A attachment	May 4, 2015	May 4, 2015	May 5, 2015	May 5, 2015	1	A	
96	IR -15-01-HAR-086-A	Retaining Wall Preparation for Protective Coating From Sta.B0+180 to Sta.B0+230 RHS Nearby Side	May 4, 2015	May 4, 2015	May 5, 2015	May 4, 2015	0	A	
97	IR -15-01-HAR-087-A	Handing Over First Protective Coating of Retaining Wall Road Side From Sta.0+180 to Sta.B0+230 RHS	May 4, 2015	May 4, 2015	May 5, 2015	May 4, 2015	0	A	
98	IR -15-01-HAR-088-A	Handing Over Fourth Imported Filling layer (Sixth Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680	May 4, 2015	May 4, 2015	May 5, 2015	May 5, 2015	1	A	
99	IR -15-01-HAR-089-A	Handing Over Second Protective Coating of Retaining Wall Road Side From Sta.0+180 to Sta.B0+230 RHS	May 4, 2015	May 5, 2015	May 6, 2015	May 6, 2015	1	A	
100	IR -15-01-HAR-090-A	Retaining Wall Preparation for Protective Coating From Sta.B0+043 to Sta.B0+067.5 RHS Road land Side & Nearby land Side	May 6, 2015	May 6, 2015	May 7, 2015	May 6, 2015	0	A	
101	IR -15-01-HAR-091-A	Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920	May 6, 2015	May 6, 2015	May 7, 2015	May 7, 2015	1	C	
102	IR -15-01-HAR-091-B	Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920	May 10, 2015	May 10, 2015	May 11, 2015	Retracted May 11,2015	R	Retracted	
102	IR -15-01-HAR-091-B	Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+870 to Sta.B0+920	May 12, 2015	May 12, 2015	May 13, 2015	May 13, 2015	1	A	
103	IR -15-01-HAR-092-A	Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+680 to Sta.B0+715	May 6, 2015	May 6, 2015	May 7, 2015	May 7, 2015	1	C	
104	IR -15-01-HAR-092-B	Handing Over Second Imported Filling layer (Third Embankment Layer) at Segment B From Sta.B0+680 to Sta.B0+715	May 10, 2015	May 10, 2015	May 11, 2015	May 11, 2015	1	A	
105	IR -15-01-HAR-093-A	Precast Water Manhole Installation (Levels , Bedding , Backfilling) at Segment A at Sta.A0+180 Air Release Valve and at Sta.A0+180 Branch Gte Valve RHS	May 6, 2015	May 6, 2015	May 7, 2015	May 7, 2015	1	A	
106	IR -15-01-HAR-094-A	Installation of 4" water pipeline (including trench bottom level , bedding , welding , backfilling , warning tape) From Sta.A0+200 to Sta.A0+215 RHS and 30 m Branch RHS	May 9, 2015	May 9, 2015	May 10, 2015	May 10, 2015	1	A	
107	IR -15-01-HAR-095-A	Handing Over First Protective Coating of Retaining Wall Road & Nearby Side From Sta.0+043 to Sta.B0+067.5 RHS	May 10, 2015	May 10, 2015	May 11, 2015	May 10, 2015	0	A	
108	IR -15-01-HAR-096-A	Installation of 4" Road Crossing at Sta.A0+200	May 10, 2015	May 10, 2015	May 11, 2015	May 10, 2015	0	A	
109	IR -15-01-HAR-097-A	Handing Over Fifth Imported Filling layer (Seventh Embankment Layer) at Segment B From Sta.B0+480 to Sta.B0+680	May 10, 2015	May 10, 2015	May 11, 2015	May 11, 2015	1	A	
110	IR -15-01-HAR-098-A	Handing Over Second Protective Coating Layer Retaining Wall Road & Nearby Side at Segment B From Sta.B0+043 to Sta.B0+067.5 RHS	May 10, 2015	May 11, 2015	May 12, 2015	May 11, 2015	0	A	



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111	IR -15-01-HAR-099-A	Installation of 4" Road Crossing at Sta.A0+000	May 10, 2015	May 10, 2015	May 11, 2015	May 11, 2015	1	A	
112	IR -15-01-HAR-100-A	Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+230 to Sta.B0+290 RHS	May 12, 2015	May 12, 2015	May 13, 2015	May 12, 2015	0	A	
113	IR -15-01-HAR-101-A	Handing Over 4" water pipeline installation at Sta.A0+000 (Main Connection Toward existing Manhole)	May 12, 2015	May 12, 2015	May 13, 2015	May 12, 2015	0	A	
114	IR -15-01-HAR-102-A	Handing Over Rockfill Layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS	May 12, 2015	May 12, 2015	May 13, 2015	May 13, 2015	1	A	
115	IR -15-01-HAR-103-A	Handing Over Third Imported Filling layer Benching (Fourth Embankment Layer) at Segment B From Sta.B0+230 to Sta.B0+290	May 13, 2015	May 13, 2015	May 14, 2015	May 14, 2015	1	A	
116	IR -15-01-HAR-104-A	Handing Over Sixth Imported Filling layer Benching (Eight Embankment Layer) at Segment B From Sta.B0+540 to Sta.B0+670	May 13, 2015	May 13, 2015	May 14, 2015	May 14, 2015	1	A	
117	IR -15-01-HAR-105-A	Precast Water Manhole Installation (Levels , Bedding , Backfilling) at Segment A at Sta.A0+040 Washout	May 14, 2015	May 14, 2015	May 15, 2015	May 14, 2015	0	A	
118	IR -15-01-HAR-106-A	Installation of 2" Water Pipeline at Segment B From Sta.B0+230 to Sta.B0+130	May 16, 2015	May 16, 2015	May 17, 2015	May 17, 2015	1	A	
119	IR -15-01-HAR-107-A	Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS	May 16, 2015	May 16, 2015	May 17, 2015	May 17, 2015	1	A	
120	IR -15-01-HAR-108-A	Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS	May 16, 2015	May 16, 2015	May 17, 2015	May 17, 2015	1	C	
121	IR -15-01-HAR-108-B	Handing Over First Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS	May 17, 2015	May 17, 2015	May 18, 2015	May 18, 2015	1	A	
122	IR -15-01-HAR-109-A	Installation of 2" Water Pipeline at Segment B From Sta.B0+860 to Sta.B0+920	May 17, 2015	May 17, 2015	May 18, 2015	May 17, 2015	0	A	
123	IR -15-01-HAR-110-A	Handing Over Sub-grade layer Imported material at Segment B From Sta.B0+240 to Sta.B0+450	May 18, 2015	May 18, 2015	May 19, 2015	May 19, 2015	1	D	
124	IR -15-01-HAR-110-B	Handing Over Sub-grade layer Imported material at Segment B From Sta.B0+240 to Sta.B0+450	May 20, 2015	May 20, 2015	May 21, 2015	May 20, 2015	0	A	
125	IR -15-01-HAR-111-A	Handing Over Fourth Imported Filling layer at Segment B From Sta.B0+680 to Sta.B0+710	May 19, 2015	May 19, 2015	May 20, 2015	May 19, 2015	0	D	A
126	IR -15-01-HAR-112-A	Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860	May 19, 2015	May 19, 2015	May 20, 2015	May 19, 2015	0	D	A
127	IR -15-01-HAR-113-A	Handing Over Backfilling Single Sized Aggregate Behind RW to Level -67 From PGL at Segment B From Sta.B0+040 to Sta.B0+230 RHS	May 19, 2015	May 19, 2015	May 20, 2015	May 19, 2015	0	A	
128	IR -15-01-HAR-114-A	Handing Over Second Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS	May 21, 2015	May 23, 2015	May 24, 2015	May 23, 2015	0	A	



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129	IR -15-01-HAR-115-A	Handing Over of 2" Water Pipeline at Segment B From Sta.B0+420 to Sta.B0+520 LHS	May 24, 2015	May 24, 2015	May 25, 2015	May 25, 2015	1	A	
130	IR -15-01-HAR-116-A	Handing Over First Imported Filling layer Over Single Sized Aggregate of RW Backfilling at Segment B From Sta.B0+050 to Sta.B0+230 RHS & Level -47 cm of PGL	May 24, 2015	May 24, 2015	May 25, 2015	May 25, 2015	1	A	
131	IR -15-01-HAR-117-A	Handing Over Third Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS.	May 24, 2015	May 24, 2015	May 25, 2015	May 25, 2015	1	A	
132	IR -15-01-HAR-118-A	Handing Over Fifth Imported Filling layer at Segment B From Sta.B0+680 to Sta.B0+710	May 24, 2015	May 24, 2015	May 25, 2015	May 25, 2015	1	A	
133	IR -15-01-HAR-119-A	Handing Over Third Imported Filling layer (Benching) at Segment B From Sta.B0+710 to Sta.B0+860 RHS	May 24, 2015	May 24, 2015	May 25, 2015	May 25, 2015	1	A	
134	IR -15-01-HAR-120-A	Installation of Geotextile at Segment B From Sta.B0+240 to Sta.B0+680	May 25, 2015	May 25, 2015	May 26, 2015	May 25, 2015	0	A	
135	IR -15-01-HAR-121-A	Handing Over Fourth Imported Filling layer (Benching) at Segment B From Sta.B0+940 to Sta.B0+980 RHS.	May 26, 2015	May 26, 2015	May 27, 2015	May 26, 2015	0	A	
136	IR -15-01-HAR-122-A	Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+240 to Sta.B0+400 including levels,compaction & cut side slop	May 27, 2015	May 27, 2015	May 28, 2015	May 28, 2015	1	A	
137	IR -15-01-HAR-123-A	Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+430 to Sta.B0+660 including levels,compaction & cut side slop	May 27, 2015	May 27, 2015	May 28, 2015	May 28, 2015	1	A	
138	IR -15-01-HAR-124-A	Handing Over 5th imported filling layer at Segment B From Sta.B0+940 to Sta.B0+980 (Benching) RHS including levels & compaction	May 28, 2015	May 28, 2015	May 29, 2015	May 28, 2015	0	C	
139	IR -15-01-HAR-124-B	Handing Over 5th imported filling layer at Segment B From Sta.B0+940 to Sta.B0+980 (Benching) RHS including levels & compaction	May 30, 2015	May 30, 2015	May 31, 2015	May 30, 2015	0	A	
140	IR -15-01-HAR-125-A	Handing Over installation of 2" water pipe line at Segment B From Sta.B0+520 to Sta.B0+860 LHS including levels , backfilling , warning tape & filterfabric	May 28, 2015	May 28, 2015	May 29, 2015	May 28, 2015	0	A	
141	IR -15-01-HAR-126-A	Handing Over excavation for precast water manhole washout at Sta.A0+930 and gate valve at Sta.A0+470 including levels and dimension	May 31, 2015	May 31, 2015	June 1, 2015	May 31, 2015	0	C	
142	IR -15-01-HAR-126-B	Handing Over excavation for precast water manhole washout at Sta.A0+930 and gate valve at Sta.A0+470 including levels and dimension	June 1, 2015	June 1, 2015	June 2, 2015	June 1, 2015	0	A	
143	IR -15-01-HAR-127-A	Handing Over 6th imported filling layer at Segment B From Sta.B0+970 to Sta.B0+980 (Benching) RHS including levels & compaction	June 1, 2015	June 1, 2015	June 2, 2015	June 2, 2015	1	A	
144	IR -15-01-HAR-128-A	Handing Over Filter Fabric Sheet For 4" Water Pipeline Trench at Segment A From Sta.A0+230 to Sta.A0+330	June 1, 2015	June 1, 2015	June 2, 2015	June 2, 2015	1	A	
145	IR -15-01-HAR-129-A	Handing Over 7th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+980 (Benching) RHS	June 2, 2015	June 2, 2015	June 3, 2015	June 3, 2015	1	C	
146	IR -15-01-HAR-129-B	Handing Over 7th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+980 (Benching) RHS	June 3, 2015	June 3, 2015	June 4, 2015	June 3, 2015	0	A	



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147	IR -15-01-HAR-130-A	Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+070 to Sta.B0+240	June 2, 2015	June 2, 2015	June 3, 2015	June 3, 2015	1	C	
148	IR -15-01-HAR-130-B	Handing Over Sub-grade layer of imported material at Segment B From Sta.B0+070 to Sta.B0+240	June 3, 2015	June 3, 2015	June 4, 2015	June 4, 2015	1	A	
149	IR -15-01-HAR-131-A	Installation of water manholes and connection of gate valve at Segment A at Sta.A0+470 and washout at Sta.A0+930 including external coating	June 2, 2015	June 2, 2015	June 3, 2015	June 3, 2015	1	A	
150	IR -15-01-HAR-132-A	Handing Over 8th imported filling layer at Segment B From Sta.B0+950 to Sta.B0+981.69 (Benching) RHS	June 4, 2015	June 4, 2015	June 5, 2015	June 4, 2015	0	A	
151	IR -15-01-HAR-133-A	Handing Over 9th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS.	June 7, 2015	June 7, 2015	June 8, 2015	June 7, 2015	0	A	
152	IR -15-01-HAR-134-A	Handing Over 1st protective coating of WWTP connection at Segment B @ Sta.B0+953 & Qelqes connection at Segment B @ Sta.B0+995 LHS.	June 7, 2015	June 7, 2015	June 8, 2015	June 7, 2015	0	A	
153	IR -15-01-HAR-135-A	Handing Over Second protective coating of WWTP connection at Segment B @ Sta.B0+953 & Qelqes connection at Segment B @ Sta.B0+995 LHS.	June 8, 2015	June 8, 2015	June 9, 2015	June 8, 2015	0	A	
154	IR -15-01-HAR-136-A	Handing Over 10th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS.	June 8, 2015	June 8, 2015	June 9, 2015	June 9, 2015	1	A	
155	IR -15-01-HAR-137-A	Handing Over Sub-grade layer of Imported material at Segment B From Sta.B0+660 to Sta.B0+900 including alignment, levels, compaction & cut side slope.	June 9, 2015	June 9, 2015	June 10, 2015	June 10, 2015	1	A	
156	IR -15-01-HAR-138-A	Handing Over 11th Imported filling layer (rock fill materials) at Segment B From Sta.B0+940 to Sta.B0+981.69 (BENCHING) RHS.	June 10, 2015	June 10, 2015	June 11, 2015	June 11, 2015	1	A	
157	IR -15-01-HAR-139-A	Handing Over 12th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 11, 2015	June 13, 2015	June 14, 2015	June 14, 2015	1	A	
158	IR -15-01-HAR-140-A	Handing Over 13th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 14, 2015	June 14, 2015	June 15, 2015	June 14, 2015	0	A	
	IR -15-01-HAR-141-A	Handing Over Pipe Culvert Installation including (Trench, Levels, Bedding) at Segment B at Sta.B0+425	June 14, 2015	June 14, 2015	June 15, 2015	June 14, 2015	0	C	
159	IR -15-01-HAR-141-B	Handing Over Pipe Culvert Installation including (Trench, Levels, Bedding) at Segment B at Sta.B0+425	June 15, 2015	June 15, 2015	June 16, 2015	June 16, 2015	1	A	
160	IR -15-01-HAR-142-A	Correction of Monthly Environmental Check List of April 2015	June 14, 2015	June 14, 2015	June 15, 2015	June 14, 2015	0	A	
	IR -15-01-HAR-143-A	Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 15, 2015	June 15, 2015	June 16, 2015	June 16, 2015	1	C	
	IR -15-01-HAR-143-B	Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 17, 2015	June 17, 2015	June 18, 2015	June 17, 2015	0	C	
163	IR -15-01-HAR-143-C	Handing Over 14th Imported filling layer at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 18, 2015	June 20, 2015	June 21, 2015	June 20, 2015	0	A	



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162	IR -15-01-HAR-144-A	Correction of Monthly Environmental Check List of May 2015	June 15, 2015	June 16, 2015	June 17, 2015	June 17, 2015	1	A	
163	IR -15-01-HAR-145-A	Retaining Wall Blinding Concrete at Segment A From Sta.A0+206 to Sta.A0+257 RHS	June 15, 2015	June 15, 2015	June 16, 2015	June 16, 2015	1	A	
164	IR -15-01-HAR-146-A	Handing Over Sub-grade layer at Segment A From Sta.A0+200 to Sta.A1+056 including alignment & compaction .	June 17, 2015	June 17, 2015	June 18, 2015	June 21, 2015	4	C	
164	IR -15-01-HAR-146-B	Handing Over Sub-grade layer at Segment A From Sta.A0+200 to Sta.A1+056 including alignment & compaction .	June 22, 2015	June 22, 2015	June 23, 2015	June 22, 2015	0	A	
165	IR -15-01-HAR-147-A	Retaining Wall Foundation(Levels , Reinforcement) at Segment A From Sta.A0+206 to Sta.A0+257 RHS	June 21, 2015	June 21, 2015	June 22, 2015	June 22, 2015	1	A	
166	IR -15-01-HAR-148-A	Handing Over Base Course Layer at Segment B From Sta.B0+080 to Sta.B0+380 Including Alignment , Levels and Compaction	June 21, 2015	June 21, 2015	June 22, 2015	June 21, 2015	0	C	
167	IR -15-01-HAR-148-B	Handing Over Base Course Layer at Segment B From Sta.B0+080 to Sta.B0+380 Including Alignment , Levels and Compaction	September 17, 2015	September 17, 2015	September 18, 2015	September 17, 2015	0	A	
167	IR -15-01-HAR-149-A	Handing Over 15th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 (BENCHING) RHS.	June 22, 2015	June 22, 2015	June 23, 2015	June 22, 2015	0	A	
168	IR -15-01-HAR-150-A	Handing Over Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+206 to Sta.A0+214 RHS	June 22, 2015	June 22, 2015	June 23, 2015	June 23, 2015	1	A	
169	IR -15-01-HAR-151-A	Handing Over Sub-grade layer at Segment A From Sta.A0+670 to Sta.A1+056 including alignment & compaction .	June 22, 2015	June 22, 2015	June 23, 2015	June 23, 2015	1	A	
170	IR -15-01-HAR-152-A	Handing Over Sub-grade layer at Segment A From Sta.A0+260 to Sta.A0+670 including alignment & compaction .	June 23, 2015	June 23, 2015	June 24, 2015	June 24, 2015	1	A	
171	IR -15-01-HAR-153-A	Handing Over 16th Imported filling layer (rock fill materials) at Segment B From Sta.B0+930 to Sta.B0+981.69 RHS.	June 23, 2015	June 23, 2015	June 24, 2015	June 24, 2015	1	A	
172	IR -15-01-HAR-154-A	Handing Over compacted ground level of Box Culvert at station (B0+008-B0+046) in order to start Base coarse layer.	June 24, 2015	June 24, 2015	June 25, 2015	June 24, 2015	0	A	
173	IR -15-01-HAR-155-A	Handing Over Retaining Wall Formwork From Sta.A0+206 to Sta.A0+214 RHS .	June 24, 2015	June 24, 2015	June 25, 2015	June 24, 2015	0	A	
174	IR -15-01-HAR-156-A	Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+214 to Sta.A0+222 RHS	June 25, 2015	June 25, 2015	June 26, 2015	June 25, 2015	0	A	
175	IR -15-01-HAR-157-A	Retaining Wall Formwork at Segment A From Sta.A0+214 to Sta.A0+222 RHS	June 25, 2015	June 25, 2015	June 26, 2015	June 25, 2015	0	A	
176	IR -15-01-HAR-158-A	Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+222 to Sta.A0+233RHS	June 27, 2015	June 27, 2015	June 28, 2015	June 27, 2015	0	A	
177	IR -15-01-HAR-159-A	Handing Over 17th Imported filling layer at Segment B From Sta.B0+920 to Sta.B0+981	June 27, 2015	June 27, 2015	June 28, 2015	June 27, 2015	0	A	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
178	IR -15-01-HAR-160-A	Handing Over Steel Reinforcement of inlet and outlet structure of pipe culvert at Sta.(B0+425)	June 27, 2015	June 27, 2015	June 28, 2015	June 28, 2015	1	A	
179	IR -15-01-HAR-161-A	Handing Over 1st base coarse layer under box culvert at St (B0+020-B0+046)at levels(767.02) inlet and(766.86) outlet	June 27, 2015	June 27, 2015	June 28, 2015	June 27, 2015	0	A	
180	IR -15-01-HAR-162-A	Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+222 to Sta.A0+233RHS	June 28, 2015	June 28, 2015	June 29, 2015	June 28, 2015	0	A	
181	IR -15-01-HAR-163-A	Handing Over 18th Imported filling layer at Segment B From Sta.B0+920 to Sta.B0+981.	June 29, 2015	June 29, 2015	June 30, 2015	June 29, 2015	0	A	
182	IR -15-01-HAR-164-A	Handing Over 2st base coarse layer under box culvert at St (B0+020-B0+046)at levels(767.02) inlet and(766.86) outlet	June 29, 2015	June 29, 2015	June 30, 2015	June 29, 2015	0	A	
183	IR -15-01-HAR-165-A	Handing Over wall reinforcement and form work of outlet structure of pipe culvert at sta.B0+425.	June 30, 2015	June 30, 2015	July 1, 2015	July 1, 2015	1	A	
184	IR -15-01-HAR-166-A	Handing Over 3st base coarse layer beneath box culvert at Segment B (bottom of blinding level)	June 30, 2015	June 30, 2015	July 1, 2015	July 1, 2015	1	A	
185	IR -15-01-HAR-167-A	Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+233 to Sta.A0+245RHS	July 2, 2015	July 2, 2015	July 3, 2015	July 2, 2015	0	A	
186	IR -15-01-HAR-168-A	Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+233 to Sta.A0+245RHS	July 2, 2015	July 2, 2015	July 3, 2015	July 2, 2015	0	A	
187	IR -15-01-HAR-169-A	Retaining Wall Preparation for Protective Coating From Sta.A0+206to Sta.A0+230 RHS (Footing).	July 2, 2015	July 2, 2015	July 3, 2015	July 2, 2015	0	A	
188	IR -15-01-HAR-170-A	Handing Over pipe culvert steel reinforcement and form work inlet structure.	July 2, 2015	July 4, 2015	July 5, 2015	July 5, 2015	1	C	
189	IR -15-01-HAR-170-B	Handing Over pipe culvert steel reinforcement and form work inlet structure at sta.B0+425.	July 7, 2015	July 7, 2015	July 8, 2015	July 7, 2015	0	A	
190	IR -15-01-HAR-171-A	Steel Reinforcement of Retaining Wall at Segment A From Sta.A0+245 to Sta.A0+257RHS.	July 2, 2015	July 4, 2015	July 5, 2015	July 5, 2015	1	A	
191	IR -15-01-HAR-172-A	Handing Over Retaining Wall Formwork of Retaining Wall at Segment A From Sta.A0+245 to Sta.A0+257RHS	July 2, 2015	July 4, 2015	July 5, 2015	July 5, 2015	1	A	
192	IR -15-01-HAR-173-A	Preparation of Protective Coating of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).	July 5, 2015	July 5, 2015	July 6, 2015	July 5, 2015	0	A	
193	IR -15-01-HAR-174-A	Handing Over pipe culvert at sta.B0+920 including excavation , bedding ,pipe installation ,back filling ,etc	July 5, 2015	July 5, 2015	July 6, 2015	July 5, 2015	0	A	
194	IR -15-01-HAR-175-A	Handing Over steel Reinforcement for WWTP and Qelqes connection (footing) at sta.A0+953 and A0+995 LHS.	July 5, 2015	July 5, 2015	July 6, 2015	July 5, 2015	0	A	
195	IR -15-01-HAR-176-A	Handing Over steel Reinforcement for main connection (footing) at sta.A0+000 LHS.	July 6, 2015	July 6, 2015	July 7, 2015	July 6, 2015	0	A	



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196	IR -15-01-HAR-177-A	Handing over 20cm at the top of 4" water pipe line trench at segment A from Sta.A0+000 to A0+200 RHS.	July 6, 2015	July 6, 2015	July 7, 2015	July 6, 2015	0	A	
197	IR -15-01-HAR-178-A	Handing over 30cm top of crossing PVC sewer pipe trench executed by municipality at sta. A0+420, A0+500, A0+670 and A0+900.	July 6, 2015	July 6, 2015	July 7, 2015	July 6, 2015	0	A	
198	IR -15-01-HAR-179-A	Handing over 2" Galvanized water pipe at segment B from Sta. B0+860 to Sta. B0+981.69LHS.	July 7, 2015	July 7, 2015	July 8, 2015	July 7, 2015	0	A	
199	IR -15-01-HAR-180-A	Handing Over steel Reinforcement and formwork for WWTP and Qelqes connection (walls) at sta.A0+953 and A0+995 LHS.	July 7, 2015	July 7, 2015	July 8, 2015	July 7, 2015	0	A	
200	IR -15-01-HAR-181-A	Handing over 1st Protective Coating layer of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).	July 7, 2015	July 7, 2015	July 8, 2015	July 7, 2015	0	A	
201	IR -15-01-HAR-182-A	Handing over 1st Protective Coating layer of Retaining Wall footing From Sta.A0+206to Sta.A0+230 RHS (both sides).	July 7, 2015	July 7, 2015	July 8, 2015	July 7, 2015	0	A	
202	IR -15-01-HAR-183-A	Handing Over base course layer at Segment A From Sta.A0+260 to Sta.A1+056 .	July 7, 2015	July 8, 2015	July 9, 2015	July 8, 2015	0	C	
203	IR -15-01-HAR-183-B	Handing Over base course layer at Segment A From Sta.A0+260 to Sta.A1+056 .	July 9, 2015	July 9, 2015	July 10, 2015	July 10, 2015	1	A	
203	IR -15-01-HAR-184-A	Handing over 2nd Protective Coating layer of Retaining Wall footing From Sta.A0+206to Sta.A0+230 RHS (both sides).	July 8, 2015	July 8, 2015	July 9, 2015	July 8, 2015	0	A	
204	IR -15-01-HAR-185-A	Protective Coating layer of Retaining Wall From Sta.A0+206to Sta.A0+230 RHS (both sides).	July 8, 2015	July 8, 2015	July 9, 2015	July 8, 2015	0	A	
205	IR -15-01-HAR-186-A	Retaining Wall Preparation for Protective Coating From Sta.A0+230to Sta.A0+257 RHS(both sides).	July 8, 2015	July 8, 2015	July 9, 2015	July 8, 2015	0	A	
206	IR -15-01-HAR-187-A	Handing over 1st Protective Coating layer of Retaining Wall From Sta.A0+230to Sta.A0+257 RHS.	July 9, 2015	July 9, 2015	July 10, 2015	July 9, 2015	0	A	
207	IR -15-01-HAR-188-A	Handing Over steel Reinforcement and formwork for WWTP and Qelqes connection (slab) at sta.A0+953 and A0+995 LHS.	July 9, 2015	July 9, 2015	July 10, 2015	July 9, 2015	0	A	
208	IR -15-01-HAR-189-A	Handing over base course surface by (straight edge) and MC coating over base course layer from Sta.A0+260to Sta. A1+056.	July 9, 2015	July 11, 2015	July 12, 2015	July 11, 2015	0	A	
209	IR -15-01-HAR-190-A	Handing over 2nd Protective Coating layer of Retaining Wall From Sta.A0+230to Sta.A0+257 RHS.	July 11, 2015	July 11, 2015	July 12, 2015	July 11, 2015	0	A	
210	IR -15-01-HAR-191-A	Handing over 1st imported filling layer 20cm thick(benching) of Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS.	July 11, 2015	July 11, 2015	July 12, 2015	July 11, 2015	0	A	
211	IR -15-01-HAR-192-A	Handing Over steel Reinforcement for main connection (walls) at sta.A0+000 LHS.	July 11, 2015	July 11, 2015	July 12, 2015	July 11, 2015	0	A	
212	IR -15-01-HAR-193-A	Handing Over sub grade layer at Segment B From Sta.B0+930 to Sta.B0+981 .	July 13, 2015	July 13, 2015	July 14, 2015	July 14, 2015	1	A	



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213	IR -15-01-HAR-194-A	Handing over 1st Protective Coating layer of pipe culvert wall at segment B at Sta.B0+425.	July 13, 2015	July 13, 2015	July 14, 2015	July 14, 2015	1	A	
214	IR -15-01-HAR-195-A	Handing over steel reinforcement of box culvert footing and dowels at segment B from Sta. B0+012 to Sta. 0+032.	July 14, 2015	July 14, 2015	July 15, 2015	July 15, 2015	1	A	
215	IR -15-01-HAR-196-A	Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers)(12-water cover.	July 21, 2015	July 21, 2015	July 22, 2015	July 22, 2015	1	C	
216	IR -15-01-HAR-196-B	Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers)(12-water cover.	September 14, 2015	September 14, 2015	September 15, 2015	September 14, 2015	0	C	
217	IR -15-01-HAR-196-C	Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers)(12-water cover.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	C	
218	IR -15-01-HAR-196-D	Handing over water and sewer manhole covers delivered to site manufacturing by Al Haddad Company (14-sewer covers)(12-water cover.	October 1, 2015	October 1, 2015	October 2, 2015	October 1, 2015	0	A	
216	IR -15-01-HAR-197-A	visual inspection of valves delivered to site which are as follow : 1) Strainer 2" (Stone and Gravel Trap)-(One Piece) 2)Pressure Reducing Control Valve 2" (One Peoce) . 3)Flow Control Valve 2" (One Piece). 4)Pressure Relief Valve (Quik Type).(One Piece) 5)Strainer 4".(Two Pieces) . 6) Flow Control Valve	July 21, 2015	July 21, 2015	July 22, 2015	July 22, 2015	1	A	
217	IR -15-01-HAR-198-A	Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+032 to Sta.B0+042 RHS and LHS.	July 22, 2015	July 22, 2015	July 23, 2015	July 23, 2015	0	A	
218	IR -15-01-HAR-199-A	Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+008to Sta.B0+012 RHS and LHS.	July 23, 2015	July 22, 2015	July 23, 2015	July 23, 2015	1	C	
219	IR -15-01-HAR-199-B	Handing over Steel Reinforcement of Retaining Wall foundation at Segment B From Sta.B0+008to Sta.B0+012 RHS and LHS.	July 25, 2015	July 25, 2015	July 26, 2015	July 26, 2015	1	A	
219	IR -15-01-HAR-200-A	Handing Over pipe culvert base steel reinforcement of inlet structure at sta.B0+920.	July 23, 2015	July 23, 2015	July 24, 2015	July 23, 2015	0	A	
220	IR -15-01-HAR-201-A	Handing Over subgrade layer at Segment A From Sta.A0+200 to Sta.A0+260(including levels and compaction) .	July 23, 2015	July 25, 2015	July 26, 2015	July 26, 2015	1	A	
221	IR -15-01-HAR-202-A	Handing over Hydrostatic Testing (test pressure of 2.0 bar) of 2 water pipe line (1-ft)at segment B from Sta. B0+070 to Sta.B0+982.	July 26, 2015	July 26, 2015	July 27, 2015	July 26, 2015	0	A	
222	IR -15-01-HAR-203-A	Handing Over steel Reinforcement of main connection (slab) at sta.A0+000 LHS.	July 27, 2015	July 27, 2015	July 28, 2015	July 28, 2015	1	A	
223	IR -15-01-HAR-204-A	Handing Over steel Reinforcement and formwork of chamfer (neck) of Box culvert at segment B from sta.B0+012 to Sta.B0+032 .	July 28, 2015	July 28, 2015	July 29, 2015	July 29, 2015	1	A	
#####	IR -15-01-HAR-205-A	Handing over base course layer at Segment A from Sta. A0+200to Sta. A0+260.	July 29, 2015	July 30, 2015	July 31, 2015	Retracted July 30,2015	R	Retracted	
225	IR -15-01-HAR-206-A	Handing Over pipe culvert steel reinforcement of outlet footing structure at sta.B0+920.	July 29, 2015	July 30, 2015	July 31, 2015	July 30, 2015	0	D	
226	IR -15-01-HAR-206-B	Handing Over pipe culvert steel reinforcement of outlet footing structure at sta.B0+920.	August 3, 2015	August 3, 2015	August 4, 2015	August 4, 2015	1	A	



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227	IR -15-01-HAR-207-A	Handing Over steel Reinforcement and formwork of Box culvert walls at segment B from sta.B0+020 to Sta.B0+032 .	July 30, 2015	July 30, 2015	July 31, 2015	July 30, 2015	0	A	
228	IR -15-01-HAR-208-A	Protective Coating layer Preparation for pipe culvert inlet walls at sta.B0+920.	July 30, 2015	July 30, 2015	July 31, 2015	July 30, 2015	0	A	
229	IR -15-01-HAR-209-A	Handing Over steel Reinforcement and formwork of Box culvert walls at segment B from sta.B0+012 to Sta.B0+020 .	July 30, 2015	August 1, 2015	August 2, 2015	August 2, 2015	1	A	
230	IR -15-01-HAR-210-A	Handing Over 1st Protective Coating layer for pipe culvert inlet walls at sta.B0+920.	August 1, 2015	August 1, 2015	August 2, 2015	August 2, 2015	1	A	
231	IR -15-01-HAR-211-A	Handing Over 2nd Protective Coating layer for pipe culvert inlet walls at sta.B0+920.	August 1, 2015	August 1, 2015	August 2, 2015	August 2, 2015	1	A	
232	IR -15-01-HAR-212-A	Handing over Steel Reinforcement of Retaining Wall at Segment B From Sta.B0+040 to Sta.B0+50 LHS.	August 3, 2015	August 3, 2015	August 4, 2015	August 3, 2015	0	A	
233	IR -15-01-HAR-213-A	1st Protective Coating layer of main connection at sta.A0+000 LHS.	August 4, 2015	August 4, 2015	August 5, 2015	August 4, 2015	0	A	
234	IR -15-01-HAR-214-A	Handing Over Base Course Layer at Segment B From Sta.B0+230 to Sta.B0+981 Including Alignment , Levels and Compaction.	August 4, 2015	August 4, 2015	August 5, 2015	August 5, 2015	1	C	
235	IR -15-01-HAR-214-B	Handing Over Base Course Layer at Segment B From Sta.B0+230 to Sta.B0+981 Including Alignment , Levels and Compaction.	August 5, 2015	August 5, 2015	August 6, 2015	August 6, 2015	1	A	
236	IR -15-01-HAR-215-A	Handing over formwork of Retaining Wall at Segment B From Sta.B0+040 to Sta.B0+50 LHS.	August 4, 2015	August 4, 2015	August 5, 2015	August 5, 2015	1	A	
237	IR -15-01-HAR-216-A	2nd Protective Coating layer of main connection at sta.A0+000 LHS.	August 5, 2015	August 5, 2015	August 6, 2015	August 5, 2015	0	A	
238	IR -15-01-HAR-217-A	Handing Over Steel Reinforcement of Manholes bases of MH(01) at S0+16.25 and MH(02) at S0+40.90.	August 5, 2015	August 5, 2015	August 6, 2015	August 6, 2015	1	A	
239	IR -15-01-HAR-218-A	Handing Over Manholes bases levels for MH(03), MH(04), and MH(05) to cast blinding concrete .	August 5, 2015	August 5, 2015	August 6, 2015	August 6, 2015	1	A	
240	IR -15-01-HAR-219-A	Handing over spraying MC coating over base course layer at segment B from Sta.B0+230 to Sta. B0+900 and access at Sta. B0+435 LHS.	August 6, 2015	August 8, 2015	August 9, 2015	August 8, 2015	0	A	
241	IR -15-01-HAR-220-A	Handing over steel reinforcement of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+040 LHS.	August 6, 2015	August 8, 2015	August 9, 2015	August 8, 2015	0	A	
242	IR -15-01-HAR-221-A	Handing over formwork of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+040 LHS.	August 9, 2015	August 9, 2015	August 10, 2015	August 9, 2015	0	A	
243	IR -15-01-HAR-222-A	Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A1+056 to Sta.A0+660 LHS.	August 11, 2015	August 11, 2015	August 12, 2015	August 12, 2015	1	A	
244	IR -15-01-HAR-223-A	Handing over steel reinforcement base of sewer manhole MH(03),MH(04),and MH(05).	August 11, 2015	August 11, 2015	August 12, 2015	August 12, 2015	1	A	



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245	IR -15-01-HAR-224-A	Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A0+660 to Sta.A0+370 LHS.	August 12, 2015	August 12, 2015	August 13, 2015	August 12, 2015	0	A	
246	IR -15-01-HAR-225-A	Handing Over Steel Reinforcement and levels of Manhole MH(01) walls at S0+16.25.	August 12, 2015	August 12, 2015	August 13, 2015	August 13, 2015	1	A	
247	IR -15-01-HAR-226-A	Handing over steel reinforcement and levels of box culvert slab at Segment B From Sta.B0+012to Sta.B0+032.	August 12, 2015	August 12, 2015	August 13, 2015	August 13, 2015	1	A	
248	IR -15-01-HAR-227-A	Handing Over formwork and levels of Manhole MH(01) walls at S0+16.25.	August 13, 2015	August 13, 2015	August 14, 2015	August 13, 2015	0	C	
249	IR -15-01-HAR-227-B	Handing Over formwork and levels of Manhole MH(01) walls at S0+16.25.	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	A	
249	IR -15-01-HAR-228-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from Outfall Sta.S0-019 toward manhole MH (09) at Sta. S0+344.78.	August 13, 2015	August 13, 2015	August 14, 2015	August 13, 2015	0	A	
250	IR -15-01-HAR-229-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from Outfall Sta.S0-019 toward manhole MH (09) at Sta. S0+344.78 including (levels and alignment) Excluding internal joints preparation and welding strip sheets.	August 13, 2015	August 13, 2015	August 14, 2015	August 13, 2015	0	A	
251	IR -15-01-HAR-230-A	Handing over steel reinforcement of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+42 RHS.	August 15, 2015	August 15, 2015	August 16, 2015	August 15, 2015	0	A	
252	IR -15-01-HAR-231-A	Handing over formwork of Retaining Wall at Segment B From Sta.B0+032 to Sta.B0+42 RHS.	August 15, 2015	August 15, 2015	August 16, 2015	August 16, 2015	1	A	
253	IR -15-01-HAR-232-A	Installation of water manholes and connection of gate valve at Segment A at Sta.A0+000 intersection, including external coating.	August 15, 2015	August 15, 2015	August 16, 2015	August 15, 2015	0	A	
254	IR -15-01-HAR-233-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (09) at Sta. S0+344.78 Toward manhole MH (10) at Sta. S0+387.27.	August 17, 2015	August 17, 2015	August 18, 2015	August 17, 2015	0	A	
255	IR -15-01-HAR-234-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (09) at Sta. S0+344.78 toward manhole MH (10) at Sta. S0+387.27 (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.	August 17, 2015	August 17, 2015	August 18, 2015	August 17, 2015	0	A	
256	IR -15-01-HAR-235-A	Handing over steel reinforcement of Retaining Wall Parapet of box culvert at Segment B From Sta.B0+012 to Sta.B0+32 RHS.	August 17, 2015	August 17, 2015	August 18, 2015	August 18, 2015	1	A	
257	IR -15-01-HAR-236-A	Handing over formwork of Retaining Wall Parapet of box culvert at Segment B From Sta.B0+012 to Sta.B0+32 RHS.	August 18, 2015	August 18, 2015	August 19, 2015	August 18, 2015	0	A	
258	IR -15-01-HAR-237-A	Handing Over Manholes bases levels for MH(07)to cast blinding concrete .	August 18, 2015	August 18, 2015	August 19, 2015	August 19, 2015	1	A	
259	IR -15-01-HAR-238-A	Handing Over Manholes bases levels for MH(06), MH(08),MH(09), and MH(10) to cast blinding concrete .	August 19, 2015	August 19, 2015	August 20, 2015	August 19, 2015	0	A	
260	IR -15-01-HAR-239-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (10) at Sta. S0+387.27.Toward manhole MH (11) at Sta. S0+429.80.	August 19, 2015	August 19, 2015	August 20, 2015	August 20, 2015	1	A	
261	IR -15-01-HAR-240-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (10) at Sta. S0+387.27.Toward manhole MH (11) at Sta. S0+429.80. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.	August 19, 2015	August 19, 2015	August 20, 2015	August 20, 2015	1	A	



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262	IR -15-01-HAR-241-A	Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHSand from Sta. A0+206 to Sta. A0+257.	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	C	
263	IR -15-01-HAR-241-B	Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHSand from Sta. A0+206 to Sta. A0+257.	September 29, 2015	September 29, 2015	September 30, 2015	September 30, 2015	1	C	
264	IR -15-01-HAR-241-C	Handing Over compacted and reinforcement of side walk at segment A at 0+000 inter section LHS and RHSand from Sta. A0+206 to Sta. A0+257.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	
262	IR -15-01-HAR-242-A	Handing Over steel reinforcement and levels of Manhole MH(04) walls at S0+040.90 RHS.	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	C	
263	IR -15-01-HAR-242-B	Handing Over steel reinforcement and levels of Manhole MH (04) walls at S0+096.10 RHS.	August 22, 2015	August 22, 2015	August 23, 2015	August 23, 2015	1	A	
263	IR -15-01-HAR-243-A	Handing Over concrete sewer pipe 1500mm preparation of internal joints for grouting from manhole MH(09) to MH(10).	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	A	
264	IR -15-01-HAR-244-A	Handing Over steel reinforcement of pipe culvert (inlet and outlet)walls at segment B at Sta. B920 .	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	C	
265	IR -15-01-HAR-244-B	Handing Over steel reinforcement of pipe culvert (inlet and outlet)walls at segment B at Sta. B920 .	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	A	
265	IR -15-01-HAR-245-A	Handing Over Curbstine instillationat segment A at 0+000 intersection LHS and RHSand from Sta. A0+206 to Sta. A0+257.	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	A	
266	IR -15-01-HAR-246-A	Retaining Wall Preparation for Protective Coating From Sta.B0+032 to Sta.B0+042 RHS(both sides)and From Sta.B0+032 to Sta.B0+050 LHS(both sides).	August 20, 2015	August 20, 2015	August 21, 2015	August 20, 2015	0	A	
267	IR -15-01-HAR-247-A	Handing Over steel reinforcement and levels of Manhole MH(06) base at Sta. S0+173.15 RHS and at Sta.S0+231.69 baess .	August 22, 2015	August 22, 2015	August 23, 2015	August 23, 2015	1	A	
268	IR -15-01-HAR-248-A	Handing Over steel reinforcement and levels of Manhole MH(02) walls at S0+40.90RHS.	August 22, 2015	August 22, 2015	August 23, 2015	August 23, 2015	1	A	
269	IR -15-01-HAR-249-A	Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment B From Sta.B0+240 to Sta.B0+900 LHS.	August 22, 2015	August 22, 2015	August 23, 2015	August 23, 2015	1	A	
270	IR -15-01-HAR-250-A	Handing Over formwork and levels of Manhole MH (04) walls at S0+96.10 RHS.	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	A	
271	IR -15-01-HAR-251-A	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	C	
272	IR -15-01-HAR-251-B	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)	August 24, 2015	August 24, 2015	August 25, 2015	August 25, 2015	1	C	
273	IR -15-01-HAR-251-C	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)	August 25, 2015	August 25, 2015	August 26, 2015	August 26, 2015	1	C	
274	IR -15-01-HAR-251-D	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH(09) to MH(10)	August 26, 2015	August 26, 2015	August 27, 2015	August 26, 2015	0	A	



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275	IR -15-01-HAR-252-A	Handing over 1st Protective Coating layer of Retaining Wall From Sta.B0+032 to Sta.B0+042 L & RHS	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	A	
276	IR -15-01-HAR-253-A	Handing Over formwork of sewer Manhole MH (02) walls at S0+40.90 RHS	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	A	
277	IR -15-01-HAR-254-A	Handing Over formwork of pipe culvert (inlet and outlet) walls at segment B at Sta. B0+920.	August 23, 2015	August 23, 2015	August 24, 2015	August 23, 2015	0	A	
278	IR -15-01-HAR-255-A	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).	August 24, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	C	
279	IR -15-01-HAR-255-B	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).	August 25, 2015	August 25, 2015	August 26, 2015	August 26, 2015	1	C	
280	IR -15-01-HAR-255-C	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (05) to MH (09).	August 26, 2015	August 26, 2015	August 27, 2015	August 26, 2015	0	A	
281	IR -15-01-HAR-256-A	Handing over 2nd Protective Coating layer of retaining wall from sta.(B0+032 – B0+042) L&RHS	August 24, 2015	August 24, 2015	August 25, 2015	August 25, 2015	1	A	
282	IR -15-01-HAR-257-A	Handing Over steel reinforcement and levels of sewer manhole MH (05) walls at S0+122.63 RHS.	August 24, 2015	August 24, 2015	August 25, 2015	August 25, 2015	1	C	
283	IR -15-01-HAR-257-B	Handing Over steel reinforcement and levels of sewer manhole MH (05) walls at S0+122.63 RHS.	August 25, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	A	
284	IR -15-01-HAR-258-A	Handing Over steel reinforcement and levels of sewer manholes bases MH (08) at Sta. S0+292.26 & MH (09) at Sta. S0+344.78 .	August 24, 2015	August 24, 2015	August 25, 2015	August 25, 2015	1	A	
285	IR -15-01-HAR-259-A	Handing over Steel Reinforcement & levels of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.	August 25, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	C	
286	IR -15-01-HAR-259-B	Handing over Steel Reinforcement & levels of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.	August 25, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	A	
287	IR -15-01-HAR-260-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (11) at Sta. S0+429.80.Toward manhole MH (12) at Sta. S0+480.29	August 25, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	A	
288	IR -15-01-HAR-261-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (11) at Sta. S0+429.80.Toward manhole MH (12) at Sta. S0+480.29. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.	August 25, 2015	August 25, 2015	August 26, 2015	August 25, 2015	0	A	
289	IR -15-01-HAR-262-A	Handing over formwork of Retaining Wall at Segment B From Sta.B0+008 to Sta.B0+012 RHS.	August 25, 2015	August 25, 2015	August 26, 2015	August 26, 2015	1	A	
290	IR -15-01-HAR-263-A	Handing Over steel reinforcement and levels of sewer manhole MH (10) base at S0+387.27 RHS.	August 25, 2015	August 25, 2015	August 26, 2015	August 26, 2015	1	A	
291	IR -15-01-HAR-264-A	Handing Over Base Course layer from Sta. A0+200 to Sta. A0+360, including alignment and compaction.	August 26, 2015	August 26, 2015	August 27, 2015	August 26, 2015	0	C	
292	IR -15-01-HAR-264-B	Handing Over Base Course layer from Sta. A0+200 to Sta. A0+360, including alignment and compaction.	August 27, 2015	August 27, 2015	August 28, 2015	August 27, 2015	0	A	



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292	IR -15-01-HAR-265-A	Handing Over steel reinforcement and level of sewer manhole MH(03) walls at sta. S0+075.55 RHS.	August 26, 2015	August 26, 2015	August 27, 2015	August 26, 2015	0	A	
293	IR -15-01-HAR-266-A	Handing Over Manholes bases levels for MH (11) to start cast of blinding concrete.	August 26, 2015	August 26, 2015	August 27, 2015	August 26, 2015	0	A	
294	IR -15-01-HAR-267-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (12) at Sta. S0+480.29.Toward manhole MH (13) at Sta. S0+530	August 27, 2015	August 27, 2015	August 28, 2015	August 27, 2015	0	A	
295	IR -15-01-HAR-268-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (12) at Sta. S0+480.29.Toward manhole MH (13) at Sta. S0+530. (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.	August 27, 2015	August 27, 2015	August 28, 2015	August 27, 2015	0	A	
296	IR -15-01-HAR-269-A	Handing over spraying MC coating over base course layer from Sta. 0+200 to Sta. 0+360	August 29, 2015	August 29, 2015	August 30, 2015	August 29, 2015	0	A	
297	IR -15-01-HAR-270-A	Handing over spraying MC coating over base course layer from Sta. 0+200 to Sta. 0+360	August 29, 2015	August 29, 2015	August 30, 2015	August 29, 2015	0	A	
298	IR -15-01-HAR-271-A	Handing over Steel Reinforcement & levels of box culvert parapet at Segment B From Sta.B0+012 to Sta.B0+032 LHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
299	IR -15-01-HAR-272-A	Handing over formwork of box culvert parapet at Segment B From Sta.B0+012 to Sta.B0+032 LHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
300	IR -15-01-HAR-273-A	Handing Over formwork of sewer manhole MH (03) and MH(05) walls RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
301	IR -15-01-HAR-274-A	Handing Over steel reinforcement of sewer manhole MH (11) foundation RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
302	IR -15-01-HAR-275-A	Handing Over ground level for blinding concrete for sewer manhole MH (12) and MH (13) RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
303	IR -15-01-HAR-276-A	Handing Over Excavation of 1500mm concrete sewer pipes at segment B from manhole MH (13).Toward manhole MH (14) .	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
304	IR -15-01-HAR-277-A	Handing Over 1500mm concrete sewer pipes Installation at segment B from MH (13).Toward manhole MH (14). (levels and alignment) Excluding internal joints preparation treatment and welding of strip sheets.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
305	IR -15-01-HAR-278-A	Handing Over steel reinforcement of sewer manhole MH (07) walls RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
306	IR -15-01-HAR-279-A	Handing Over steel reinforcement of sewer manhole MH (08) walls RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
307	IR -15-01-HAR-280-A	Handing Over steel reinforcement of sewer manhole MH (10) walls RHS.	August 30, 2015	August 30, 2015	August 31, 2015	August 30, 2015	0	A	
308	IR -15-01-HAR-281-A	Handing Over sewer manhole MH (01) preparation for external protective coating.	August 31, 2015	August 31, 2015	September 1, 2015	August 31, 2015	0	A	



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309	IR -15-01-HAR-282-A	Handing Over 1st protective coating of retaining wall parapet from station B0+008 to station B0+032 RHS.	August 31, 2015	August 31, 2015	September 1, 2015	August 31, 2015	0	A	
310	IR -15-01-HAR-283-A	Handing Over ground level for blinding concrete for sewer manhole MH (14) RHS.	August 31, 2015	August 31, 2015	September 1, 2015	September 1, 2015	1	A	
311	IR -15-01-HAR-284-A	Handing Over sewer manhole MH (02) preparation for external protective coating.	September 1, 2015	September 1, 2015	September 2, 2015	September 1, 2015	0	A	
312	IR -15-01-HAR-285-A	Handing Over reinforcement of retaining wall from station B0+008 to station B0+012 LHS.	September 1, 2015	September 1, 2015	September 2, 2015	September 1, 2015	0	A	
313	IR -15-01-HAR-286-A	Handing Over formwork of retaining wall from station B0+008 to station B0+012 LHS. .	September 1, 2015	September 1, 2015	September 2, 2015	September 2, 2015	1	A	
314	IR -15-01-HAR-287-A	Handing Over steel reinforcement of sewer manhole MH (12) foundation	September 1, 2015	September 1, 2015	September 2, 2015	September 1, 2015	0	A	
315	IR -15-01-HAR-288-A	Handing Over 2st protective coating of retaining wall parapet from station B0+008 to station B0+032 RHS.	September 1, 2015	September 1, 2015	September 2, 2015	September 2, 2015	1	A	
316	IR -15-01-HAR-289-A	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (10) to MH (13) RHS.	September 1, 2015	September 1, 2015	September 2, 2015	September 2, 2015	1	C	
317	IR -15-01-HAR-289-B	Handing over internal joint grouting of sewer pipe line at segment B from manhole MH (10) to MH (13) RHS.	September 3, 2015	September 3, 2015	September 4, 2015	September 3, 2015	0	A	
317	IR -15-01-HAR-290-A	Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.	September 1, 2015	September 1, 2015	September 2, 2015	September 2, 2015	1	C	
318	IR -15-01-HAR-290-B	Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.	September 3, 2015	September 3, 2015	September 4, 2015	September 3, 2015	0	C	
318	IR -15-01-HAR-290-C	Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.	September 6, 2015	September 6, 2015	September 7, 2015	September 6, 2015	0	C	
319	IR -15-01-HAR-290-D	Handing over internal joint grouting of sewer pipe line at segment B from station S0+019to manhole MH (05) RHS.	September 7, 2015	September 7, 2015	September 8, 2015	September 7, 2015	0	A	
318	IR -15-01-HAR-291-A	: Handing Over sewer manhole MH (04) and pipe culvert at station B0+920 preparations for external protective coating	September 1, 2015	September 1, 2015	September 2, 2015	September 2, 2015	1	A	
319	IR -15-01-HAR-292-A	Handing Over formwork sewer manhole MH (07) and manhole MH (10) walls.	September 2, 2015	September 2, 2015	September 3, 2015	September 2, 2015	0	A	
320	IR -15-01-HAR-293-A	Handing Over 1st protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04).	September 2, 2015	September 2, 2015	September 3, 2015	September 2, 2015	0	A	
321	IR -15-01-HAR-294-A	Handing Over 2nd protective coating of sewer manhole MH (01) and manhole MH (02) and manhole MH (04) and pipe culvert outlet at station B0+920.	September 2, 2015	September 2, 2015	September 3, 2015	September 2, 2015	0	A	
322	IR -15-01-HAR-295-A	Handing Over steel reinforcement of sewer manhole MH (14) foundation.	September 3, 2015	September 3, 2015	September 4, 2015	September 3, 2015	0	A	



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323	IR -15-01-HAR-296-A	Handing Over formwork of sewer manhole MH (08) walls.	September 3, 2015	September 5, 2015	September 6, 2015	September 6, 2015	1	A	
324	IR -15-01-HAR-297-A	Handing Over internal joint grouting of sewer line from manhole MH (13) to manhole MH (14).	September 5, 2015	September 6, 2015	September 7, 2015	September 6, 2015	0	A	
325	IR -15-01-HAR-298-A	Handing steel Over reinforcement of sewer manhole MH (11) wall.	September 5, 2015	September 5, 2015	September 6, 2015	September 6, 2015	1	A	
326	IR -15-01-HAR-299-A	Handing Over 1st protective coating of retaining wall from station B0+008 to station B0+012 LHS.	September 5, 2015	September 5, 2015	September 6, 2015	September 6, 2015	1	A	
327	IR -15-01-HAR-300-A	Handing Over 2nd protective coating of retaining wall from station B0+008 to station B0+012 LHS.	September 5, 2015	September 5, 2015	September 6, 2015	September 6, 2015	1	A	
328	IR -15-01-HAR-301-A	Handing over compacted shoulder and steel reinforcement for casting concrete protection Segment A From Sta.A0+260 to Sta.A0+370 RHS and at station A0+00 intersection.	September 6, 2015	September 6, 2015	September 7, 2015	September 6, 2015	0	A	
329	IR -15-01-HAR-302-A	Handing over steel reinforcement of sewer manhole MH (13) base.	September 6, 2015	September 6, 2015	September 7, 2015	September 7, 2015	1	A	
330	IR -15-01-HAR-303-A	Handing over steel reinforcement of sewer manhole MH (06) walls.	September 6, 2015	September 6, 2015	September 7, 2015	September 7, 2015	1	A	
331	IR -15-01-HAR-304-A	Handing formwork of sewer manhole MH (11) walls.	September 6, 2015	September 6, 2015	September 7, 2015	September 7, 2015	1	A	
332	IR -15-01-HAR-305-A	Handing 1st protective coating of box culvert slap at station B0+012 to station B0+032.	September 6, 2015	September 6, 2015	September 7, 2015	September 7, 2015	1	A	
333	IR -15-01-HAR-306-A	Handing Over preparation for protective coating of sewer manhole MH (05).	September 7, 2015	September 7, 2015	September 8, 2015	September 7, 2015	0	C	
334	IR -15-01-HAR-306-B	Handing Over preparation for protective coating of sewer manhole MH (05).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
335	IR -15-01-HAR-307-A	Handing 2nd protective coating of box culvert slap at station B0+012 to station B0+032.	September 7, 2015	September 7, 2015	September 8, 2015	September 8, 2015	1	A	
336	IR -15-01-HAR-308-A	Handing Over steel reinforcement of sewer manhole MH (12)..	September 7, 2015	September 7, 2015	September 8, 2015	September 8, 2015	1	A	
337	IR -15-01-HAR-309-A	Handing Over preparation for protective coating of sewer manhole MH (07).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
338	IR -15-01-HAR-310-A	Handing Over formwork of sewer manhole MH (12).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
339	IR -15-01-HAR-311-A	Handing Over formwork of sewer manhole MH (09).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
340	IR -15-01-HAR-312-A	Handing Over preparation for protective coating of sewer manhole MH (11).	September 7, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	



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341	IR -15-01-HAR-313-A	Handing Over 1st protective coating of sewer manhole MH (05) and manhole MH (07).	September 7, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
342	IR -15-01-HAR-314-A	Handing Over preparation for protective coating of sewer manhole MH (10).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
343	IR -15-01-HAR-315-A	Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.	September 8, 2015	September 8, 2015	September 9, 2015	September 9, 2015	1	C	
344	IR -15-01-HAR-315-B	Installation of 2" Water Pipeline From WWTP connection toward station B0+130 LHS.	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015		A	
343	IR -15-01-HAR-316-A	Handing Over 2nd protective coating of sewer manhole MH (05).	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
344	IR -15-01-HAR-317-A	Handing Over steel reinforcement of sewer manhole MH (13) walls.	September 8, 2015	September 8, 2015	September 9, 2015	September 8, 2015	0	A	
345	IR -15-01-HAR-318-A	Handing Over formwork of sewer manhole MH (06) walls.	September 9, 2015	September 9, 2015	September 10, 2015	September 9, 2015	0	A	
346	IR -15-01-HAR-319-A	Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075.	September 9, 2015	September 9, 2015	September 10, 2015	September 9, 2015	0	C	
347	IR -15-01-HAR-319-B	Handing Over single sized aggregate backfilling to level (-0.47m) of PGL from station B0+000 to station B0+075.	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	A	
347	IR -15-01-HAR-320-A	Handing Over 1st protective coating of sewer manhole MH (11).	September 9, 2015	September 9, 2015	September 10, 2015	September 10, 2015	1	A	
348	IR -15-01-HAR-321-A	Handing Over traffic sign location of segment A.	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	A	
349	IR -15-01-HAR-322-A	Handing Over traffic sign location of segment B.	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	C	
350	IR -15-01-HAR-322-B	Handing Over traffic sign location of segment B.	September 14, 2015	September 14, 2015	September 15, 2015	September 14, 2015	0	C	
351	IR -15-01-HAR-322-C	Handing Over traffic sign location of segment B.	September 29, 2015	September 29, 2015	September 30, 2015	September 30, 2015	1	C	
	IR -15-01-HAR-322-D	Handing Over traffic sign location of segment B.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	
350	IR -15-01-HAR-323-A	Handing Over 2nd protective coating of sewer manhole MH (11).	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	A	
351	IR -15-01-HAR-324-A	Handing Over formwork of sewer manhole MH (13).	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	A	
352	IR -15-01-HAR-325-A	Handing Over steel reinforcement of concrete steep inside sewer manhole MH (01) and manhole MH (02) and manhole MH (03).	September 10, 2015	September 10, 2015	September 11, 2015	September 10, 2015	0	A	



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INSPECTION REQUEST LOG									
No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
353	IR -15-01-HAR-326-A	Handing Over 2nd protective coating of sewer manhole MH (10).	September 10, 2015	September 10, 2015	September 11, 2015	September 11, 2015	1	A	
354	IR -15-01-HAR-327-A	Handing Over preparation for protective coating of sewer manhole MH (08) and manhole MH (12).	September 10, 2015	September 10, 2015	September 11, 2015	September 11, 2015	1	A	
355	IR -15-01-HAR-328-A	Handing Over 1st protective coating of sewer manhole MH (08) and manhole MH (12).	September 10, 2015	September 10, 2015	September 11, 2015	September 11, 2015	1	A	
356	IR -15-01-HAR-329-A	Handing Over steel reinforcement of sewer manhole MH (14).	September 12, 2015	September 12, 2015	September 13, 2015	September 12, 2015	0	A	
357	IR -15-01-HAR-330-A	Handing Over guard rail installation from station A0+020 to station A0+070 RHS and from station A0+020 to station A0+060 LHS and from station A0+655 to station A0+675 RHS	September 12, 2015	September 12, 2015	September 13, 2015	September 13, 2015	1	C	
358	IR -15-01-HAR-330-B	Handing Over guard rail installation from station A0+020 to station A0+070 RHS and from station A0+020 to station A0+060 LHS and from station A0+655 to station A0+675 RHS	September 30, 2015	September 30, 2015	October 1, 2015	October 1, 2015	1	A	
358	IR -15-01-HAR-331-A	Handing Over 2nd protective coating of sewer manhole MH (08) and manhole MH (12).	September 12, 2015	September 12, 2015	September 13, 2015	September 12, 2015	0	A	
359	IR -15-01-HAR-332-A	Handing Over preparation for protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).	September 12, 2015	September 12, 2015	September 13, 2015	September 12, 2015	0	A	
360	IR -15-01-HAR-333-A	Handing Over steel reinforcement of concrete step inside sewer manhole MH (05) and manhole MH (06) and manhole MH (07) and manhole MH (08) and manhole MH (09)	September 12, 2015	September 12, 2015	September 13, 2015	September 12, 2015	0	A	
361	IR -15-01-HAR-334-A	Handing Over excavated pit for traffic sign tube along segment A.	September 12, 2015	September 12, 2015	September 13, 2015	September 12, 2015	0	A	
362	IR -15-01-HAR-335-A	Handing Over formwork of sewer manhole MH (14).	September 13, 2015	September 13, 2015	September 14, 2015	September 14, 2015	1	A	
363	IR -15-01-HAR-336-A	Handing Over 1st protective coating of sewer manhole MH (06) and manhole MH (09) and manhole MH (13).	September 13, 2015	September 13, 2015	September 14, 2015	September 14, 2015	1	A	
364	IR -15-01-HAR-337-A	Handing Over subgrade layer from station B0+000 to station B0+070.	September 13, 2015	September 13, 2015	September 14, 2015	September 14, 2015	1	A	
365	IR -15-01-HAR-338-A	Handing Over 2nd protective coating of sewer manhole MH (07) and sewer manhole MH (09).	September 14, 2015	September 14, 2015	September 15, 2015	September 14, 2015	0	A	
366	IR -15-01-HAR-339-A	Handing Over base course layer from station B0+900 to station B0+983.	September 14, 2015	September 14, 2015	September 15, 2015	September 15, 2015	1	A	
367	IR -15-01-HAR-340-A	Handing Over 1st protective coating of sewer manhole MH (13).	September 14, 2015	September 14, 2015	September 15, 2015	September 15, 2015	1	A	
368	IR -15-01-HAR-341-A	Handing Over 2nd protective coating of sewer manhole MH (06) and sewer manhole MH (13).	September 14, 2015	September 14, 2015	September 15, 2015	September 15, 2015	1	A	
369	IR -15-01-HAR-342-A	Handing Over steel reinforcement of sewer manhole slabs for manholes MH (01) and MH (02) and MH (03) and MH (04) and MH (05).	September 14, 2015	September 14, 2015	September 15, 2015	September 15, 2015	1	A	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
370	IR -15-01-HAR-343-A	Description: Mechanical installation inside water chamber for: 1. Washout chamber at stations A0+040 and A0+930. 2. ARV chamber at stations B0+040 and A0+180.	September 15, 2015	September 15, 2015	September 16, 2015	September 15, 2015	0	C	
370	IR -15-01-HAR-343-B	Description: Mechanical installation inside water chamber for: 1. Washout chamber at stations A0+040 and A0+930. 2. ARV chamber at stations B0+040 and A0+180.	September 30, 2015	September 15, 2015	September 16, 2015	September 30, 2015	15	A	
372	IR -15-01-HAR-344-A	Handing Over steel reinforcement of sewer manhole slabs for manholes MH (06),MH (07) and MH (08).	September 16, 2015	September 16, 2015	September 17, 2015	September 16, 2015	0	A	
372	IR -15-01-HAR-345-A	Handing Over concrete benching of sewer manhole MH (01) and manhole MH (02) manhole MH (03) and manhole MH (04) and manhole MH (05).	September 16, 2015	September 16, 2015	September 17, 2015	September 16, 2015	0	A	
373	IR -15-01-HAR-346-A	Handing Over preparation for internal protective coating of sewer manhole MH (01).	September 16, 2015	September 16, 2015	September 17, 2015	September 16, 2015	0	C	
374	IR -15-01-HAR-346-B	Handing Over preparation for internal protective coating of sewer manhole MH (01).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
374	IR -15-01-HAR-347-A	Handing Over steel reinforcement of sewer manhole slabs for manholes MH (09) and MH (10) and MH (11).	September 16, 2015	September 16, 2015	September 17, 2015	September 17, 2015	1	A	
375	IR -15-01-HAR-348-A	Handing Over steel reinforcement of concrete step inside sewer manhole MH (06).	September 16, 2015	September 16, 2015	September 17, 2015	September 16, 2015	0	A	
376	IR -15-01-HAR-349-A	Handing over base course layer from station B0+000 to station B0+240	September 16, 2015	September 16, 2015	September 17, 2015	September 17, 2015	1	A	
377	IR -15-01-HAR-350-A	Handing Over steel reinforcement of concrete step inside sewer manhole MH (13)and sewer manhole MH (14).	September 16, 2015	September 16, 2015	September 17, 2015	September 17, 2015	1	A	
378	IR -15-01-HAR-351-A	Handing Over 2nd protective coating of sewer manhole MH (14).	September 17, 2015	September 17, 2015	September 18, 2015	September 17, 2015	0	A	
379	IR -15-01-HAR-352-A	Handing Over base course layer at station A0+220 LHS .	September 17, 2015	September 17, 2015	September 18, 2015	September 17, 2015	0	A	
380	IR -15-01-HAR-353-A	Handing Over preparation for protective coating of box culvert base.	September 17, 2015	September 17, 2015	September 18, 2015	September 17, 2015	0	C	
381	IR -15-01-HAR-353-B	Handing Over preparation for protective coating of box culvert base.	September 19, 2015	September 19, 2015	September 20, 2015	September 19, 2015	0	A	
381	IR -15-01-HAR-354-A	Handing Over 1st protective coating of box culvert base.	September 19, 2015	September 19, 2015	September 20, 2015	September 19, 2015	0	A	
382	IR -15-01-HAR-355-A	Handing Over 2nd protective coating of box culvert base.	September 19, 2015	September 19, 2015	September 20, 2015	September 19, 2015	0	A	
383	IR -15-01-HAR-356-A	Handing Over steel reinforcement of sewer manhole slabs MH (12), MH (13) and MH (14).	September 19, 2015	September 19, 2015	September 20, 2015	September 20, 2015	1	A	
384	IR -15-01-HAR-357-A	Handing Over steps for water chamber at WWTP, Qelqes and main connection.	September 20, 2015	September 20, 2015	September 21, 2015	September 21, 2015	1	C	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
385	IR -15-01-HAR-357-B	Handing Over steps for water chamber at WWTP, Qelqes and main connection.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	
385	IR -15-01-HAR-358-A	Handing Over sewer manhole steps from sewer manhole MH (01) to manhole MH (14).	September 20, 2015	September 20, 2015	September 21, 2015	September 21, 2015	1	C	
386	IR -15-01-HAR-358-B	Handing Over sewer manhole steps from sewer manhole MH (01) to manhole MH (14).	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	
386	IR -15-01-HAR-359-A	Handing Over preparation of internal surface of sewer manholes from MH (01) to MH (03).	September 20, 2015	September 20, 2015	September 21, 2015	September 21, 2015	1	C	
387	IR -15-01-HAR-359-B	Handing Over preparation of internal surface of sewer manholes from MH (01) to MH (03).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
387	IR -15-01-HAR-360-A	Handing Over MC prime coat spraying over base course layer from station B0+000 to station B0+240 and from station B0+900 to station B0+981, and access road at station A0+220 LHS.	September 20, 2015	September 20, 2015	September 21, 2015	September 20, 2015	0	A	
388	IR -15-01-HAR-361-A	Handing Over concrete benching of sewer manholes from MH (06) to MH (14).	September 20, 2015	September 20, 2015	September 21, 2015	September 21, 2015	1	C	
389	IR -15-01-HAR-361-B	Handing Over concrete benching of sewer manholes from MH (06) to MH (14).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
389	IR -15-01-HAR-362-A	Handing Over preparation of internal coating of sewer manholes MH (04) and MH (05).	September 20, 2015	September 20, 2015	September 21, 2015	September 20, 2015	0	A	
390	IR -15-01-HAR-363-A	Handing Over steel reinforcement of outfall of sewer line base at station S0-019.	September 20, 2015	September 20, 2015	September 21, 2015	September 21, 2015	1	A	
391	IR -15-01-HAR-364-A	Handing Over 1st protective coating of internal surface of sewer manholes MH (04) and MH (05).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	A	
392	IR -15-01-HAR-365-A	Handing Over preparation for precast curbstone from station A0+200 to station A0+260 RHS.	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	A	
393	IR -15-01-HAR-366-A	Handing Over preparation of internal coating of sewer manhole MH (06).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	A	
394	IR -15-01-HAR-367-A	Handing Over preparation of internal coating of sewer manhole MH (07).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
395	IR -15-01-HAR-367-B	Handing Over preparation of internal coating of sewer manhole MH (07).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
395	IR -15-01-HAR-368-A	Handing Over preparation of internal coating of sewer manhole MH (08).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
396	IR -15-01-HAR-368-B	Handing Over preparation of internal coating of sewer manhole MH (08).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
396	IR -15-01-HAR-369-A	Handing Over preparation of internal coating of sewer manhole MH (09).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	



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No.	IR No.	Description	Submitted Date	Inspection Date	Contract Due Date	Response Date	Review Days	1st Inspection	2nd Inspection
397	IR -15-01-HAR-369-B	Handing Over preparation of internal coating of sewer manhole MH (09).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
396	IR -15-01-HAR-370-A	Handing Over preparation of internal coating of sewer manhole MH (10).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	A	
397	IR -15-01-HAR-371-A	Handing Over preparation of internal coating of sewer manhole MH (11).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	A	
398	IR -15-01-HAR-372-A	Handing Over preparation of internal coating of sewer manhole MH (12).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
399	IR -15-01-HAR-372-B	Handing Over preparation of internal coating of sewer manhole MH (12).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
399	IR -15-01-HAR-373-A	Handing Over preparation of internal coating of sewer manhole MH (13).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
400	IR -15-01-HAR-373-B	Handing Over preparation of internal coating of sewer manhole MH (13).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
400	IR -15-01-HAR-374-A	Handing Over preparation of internal coating of sewer manhole MH (14).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
401	IR -15-01-HAR-374-B	Handing Over preparation of internal coating of sewer manhole MH (14).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
401	IR -15-01-HAR-375-A	Handing Over preparation of internal coating of sewer manhole MH (03).	September 21, 2015	September 21, 2015	September 22, 2015	September 21, 2015	0	C	
402	IR -15-01-HAR-375-B	Handing Over preparation of internal coating of sewer manhole MH (03).	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
402	IR -15-01-HAR-376-A	Handing Over steel reinforcement of concrete ditch and concrete protection from station B0+050 to station B0+240 LHS, from station B0+900 to station B0+981 LHS, from station A0+135 to station A0+150 LHS and from station A0+220 to station A0+230 LHS.	September 22, 2015	September 22, 2015	September 23, 2015	September 22, 2015	0	A	
403	IR -15-01-HAR-377-A	Handing Over 1st protective coating of internal surface of sewer manholes from MH (01) to MH (03) and from MH (06) to MH (14).	September 28, 2015	September 28, 2015	September 29, 2015	September 28, 2015	0	A	
404	IR -15-01-HAR-378-A	Handing Over steel reinforcement and formwork of sewer line outfall at station S0-019 walls.	September 28, 2015	September 28, 2015	September 29, 2015	September 28, 2015	0	A	
405	IR -15-01-HAR-379-A	sewer line testing from connection manhole MH (14) to sewer out let (L=559m).	September 28, 2015	September 28, 2015	September 29, 2015	September 28, 2015	0	A	
406	IR -15-01-HAR-380-A	Handing Over 2nd protective coating of internal surface of sewer manholes from MH (01) to MH (14).	September 28, 2015	September 28, 2015	September 29, 2015	September 28, 2015	0	A	
407	IR -15-01-HAR-381-A	Correction of Monthly Environmental Check List of August 2015	September 29, 2015	September 29, 2015	September 30, 2015	September 30, 2015	1	A	
408	IR -15-01-HAR-382-A	Handing over Hydrostatic Testing of 4"water pipe line (PN25) at segment A from Sta. A0+000 to Sta.A0+998 including chambers.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	
408	IR -15-01-HAR-383-A	Handing over installation of water markers at stations A0+000, A0+160, A0+500, A0+960 and B0+981 and sewer markers at stations B0+455, B0+260 and B0+000.	September 30, 2015	September 30, 2015	October 1, 2015	September 30, 2015	0	A	



Annex D:

Submittals Log.



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TASK ORDER SUBMITTALS LOG

No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
1	SUB-15-00001-HAR-001-A	HAR	Guarantee Certificate	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	E
2	SUB-15-00001-HAR-002-A	HAR	Insurance Certificate	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	E
3	SUB-15-00001-HAR-003-A	HAR	Scheduling Qualification	Pre-Construction	December 16, 2014	January 15, 2015	December 28, 2014	12	A
4	SUB-15-00001-HAR-004-A	HAR	Office Furniture	Pre-Construction	December 16, 2014	January 15, 2015	December 21, 2014	5	B
5	SUB-15-00001-HAR-005-A	HAR	Field Office Computer System	Pre-Construction	December 16, 2014	January 15, 2015	December 21, 2014	5	B
6	SUB-15-00001-HAR-006-A	HAR	Gate Valve GV3 (DN 50-100)	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
7	SUB-15-00001-HAR-007-A	HAR	Dismantling Joints	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
8	SUB-15-00001-HAR-008-A	HAR	Pressure transmitter type 528	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	D
9	SUB-15-00001-HAR-008-B	HAR	Pressure transmitter type 528	Material - Mec	January 18, 2015	February 17, 2015	January 28, 2015	10	C
10	SUB-15-00001-HAR-008-C	HAR	Pressure transmitter type 528	Material - Mec	February 4, 2015	March 6, 2015	February 17, 2015	13	B
11	SUB-15-00001-HAR-009-A	HAR	Pressure Indicating Transmitter	Material - Mec	December 18, 2014	January 17, 2015	January 12, 2015	25	C
12	SUB-15-00001-HAR-009-B	HAR	Pressure Indicating Transmitter	Material - Mec	January 18, 2015	February 17, 2015	January 29, 2015	11	C
13	SUB-15-00001-HAR-009-C	HAR	Pressure Indicating Transmitter	Material - Mec	February 4, 2015	March 6, 2015	March 5, 2015	29	E
14	SUB-15-00001-HAR-010-A	HAR	Lighting surge arrestor for control panel	Material - Mec	December 18, 2014	January 17, 2015	December 28, 2014	10	B
15	SUB-15-00001-HAR-011-A	HAR	Electromagnetic flowmeter	Material - Mec	December 18, 2014	January 17, 2015	January 4, 2015	17	C
16	SUB-15-00001-HAR-011-B	HAR	Electromagnetic flowmeter	Material - Mec	January 15, 2015	February 14, 2015	January 26, 2015	11	B
17	SUB-15-00001-HAR-012-A	HAR	Flowmeters MAG8000	Material - Mec	December 18, 2014	January 17, 2015	January 12, 2015	25	B
18	SUB-15-00001-HAR-013-A	HAR	EC Declaration Danfoss 017R9601.02	Material - Mec	December 18, 2014	January 17, 2015	January 11, 2015	24	D
19	SUB-15-00001-HAR-013-B	HAR	EC Declaration Danfoss 017R9601.02	Material - Mec	June 14, 2015	July 14, 2015	June 16, 2015	2	E
20	SUB-15-00001-HAR-014-A	HAR	Testing Lab CV	Pre-Construction	December 18, 2014	January 17, 2015	December 28, 2014	10	B



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No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
21	SUB-15-00001-HAR-015-A	HAR	Environmental Mitigation and Monitoring Plan (EMMP)	Pre-Construction	December 18, 2014	January 17, 2015	December 30, 2014	12	C
22	SUB-15-00001-HAR-015-B	HAR	Environmental Mitigation and Monitoring Plan (EMMP)	Pre-Construction	January 18, 2015	February 17, 2015	February 3, 2015	16	C
23	SUB-15-00001-HAR-015-C	HAR	Environmental Mitigation and Monitoring Plan (EMMP)	Pre-Construction	March 8, 2015	April 7, 2015	March 15, 2015	7	B
24	SUB-15-00001-HAR-016-A	HAR	Al Amir Ready Mixed Concrete Factory Profile	Construction	December 18, 2014	January 17, 2015	December 28, 2014	10	B
25	SUB-15-00001-HAR-017-A	HAR	Steel Reinforcement Manufacturers Data	Construction	December 18, 2014	January 17, 2015	December 28, 2014	10	C
26	SUB-15-00001-HAR-017-B	HAR	Steel Reinforcement Manufacturers Data	construction	January 11, 2015	February 10, 2015	January 12, 2015	1	B
27	SUB-15-00001-HAR-017-C	HAR	Steel Reinforcement Manufacturers Data / Up-Dated Certificate (For Engineers Record)	construction	February 23, 2015	March 25, 2015	March 4, 2015	9	B
28	SUB-15-00001-HAR-018-A	HAR	List of Permits and License	Pre-Construction	December 22, 2014	January 21, 2015	December 30, 2014	8	B
29	SUB-15-00001-HAR-019-A	HAR	Shop Drawing Frame and Cover Template	Pre-Construction	December 22, 2014	January 21, 2015	December 28, 2014	6	A
30	SUB-15-00001-HAR-020-A	HAR	Submittal Schedule	Pre-Construction	December 22, 2014	January 21, 2015	December 30, 2014	8	C
31	SUB-15-00001-HAR-020-B	HAR	Submittal Schedule	Pre-Construction	January 22, 2015	February 21, 2015	January 27, 2015	5	B
32	SUB-15-00001-HAR-021-A	HAR	Construction Risk Management Program	Pre-Construction	December 30, 2014	January 29, 2015	January 12, 2015	13	C
33	SUB-15-00001-HAR-021-B	HAR	Construction Risk Management Program	Pre-Construction	January 22, 2015	February 21, 2015	February 3, 2015	12	C
34	SUB-15-00001-HAR-021-C	HAR	Construction Risk Management Program	Pre-Construction	February 18, 2015	March 20, 2015	February 24, 2015	6	B
35	SUB-15-00001-HAR-022-A	HAR	Water Manholes Covers "PAMREX"	Material - Mec	December 30, 2014	January 29, 2015	January 4, 2015	5	B
36	SUB-15-00001-HAR-023-A	HAR	Pre- Cast Concrete Manholes	Material - Mec	December 30, 2014	January 29, 2015	January 4, 2015	5	C
37	SUB-15-00001-HAR-023-B	25	Pre- Cast Concrete Manholes	Material - Mec	January 20, 2015	February 19, 2015	January 27, 2015	7	B
38	SUB-15-00001-HAR-024-A	HAR	Sewer Manholes Covers "PAMREX"	Material - Mec	December 30, 2014	January 29, 2015	January 4, 2015	5	B
39	SUB-15-00001-HAR-025-A	HAR	Strainers of Pipeline	Material - Mec	December 30, 2014	January 29, 2015	December 30, 2014	0	B
40	SUB-15-00001-HAR-026-A	HAR	Engineer's Field Office Location and Layout	Pre-Construction	January 5, 2015	February 4, 2015	January 6, 2015	1	B



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41	SUB-15-00001-HAR-027-A	HAR	Preliminary Progress Schedule (60 Day Plan of Operation)	Pre-Construction	January 5, 2015	February 4, 2015	January 13, 2015	8	B
42	SUB-15-00001-HAR-028-A	HAR	Project Temporary Signs	Pre-Construction	January 11, 2015	February 10, 2015	January 12, 2015	1	B
43	SUB-15-00001-HAR-029-A	HAR	Manhole Covers Inscription	construction	January 14, 2015	February 13, 2015	February 2, 2015	19	C
44	SUB-15-00001-HAR-029-B	HAR	Manhole Covers Inscription	construction	February 9, 2015	March 11, 2015	February 11, 2015	2	B
45	SUB-15-00001-HAR-029-C	HAR	Manhole Covers Inscription/ Al Haddad Steel Company	construction	April 5, 2015	May 5, 2015	April 13, 2015	8	B
46	SUB-15-00001-HAR-030-A	HAR	Storage Yard	Pre-Construction	January 14, 2015	February 13, 2015	January 20, 2015	6	B
47	SUB-15-00001-HAR-031-A	HAR	Dumping Area	Pre-Construction	January 14, 2015	February 13, 2015	January 25, 2015	11	C
48	SUB-15-00001-HAR-031-B	HAR	Dumping Area	Pre-Construction	February 3, 2015	March 5, 2015	February 5, 2015	2	B
49	SUB-15-00001-HAR-032-A	HAR	(6 Cell Phones & 6 Jawwal SIM)	Construction	January 14, 2015	February 13, 2015	January 15, 2015	1	A
50	SUB-15-00001-HAR-033-A	HAR	Dilapidation Survey	Pre-Construction	January 14, 2015	February 13, 2015	January 25, 2015	11	B
51	SUB-15-00001-HAR-034-A	HAR	Safety Plan	Pre-Construction	January 14, 2015	February 13, 2015	February 1, 2015	18	B
52	SUB-15-00001-HAR-035-A	HAR	Quality Control Plan	Pre-Construction	January 14, 2015	February 13, 2015	January 27, 2015	13	C
53	SUB-15-00001-HAR-035-B	HAR	Quality Control Plan	Pre-Construction	February 8, 2015	March 10, 2015	February 17, 2015	9	B
54	SUB-15-00001-HAR-036-A	HAR	Key Staff	Pre-Construction	January 15, 2015	February 14, 2015	January 19, 2015	4	E
55	SUB-15-00001-HAR-037-A	HAR	Pipes 4" & 2"	Material - Mec	January 15, 2015	February 14, 2015	January 19, 2015	4	B
56	SUB-15-00001-HAR-038-A	HAR	Pressure Gauge and snubber	Material - Mec	January 15, 2015	February 14, 2015	January 20, 2015	5	B
57	SUB-15-00001-HAR-039-A	HAR	Pressure Differential Switch	Material - Mec	January 18, 2015	February 17, 2015	January 28, 2015	10	B
58	SUB-15-00001-HAR-039-B	HAR	Pressure Differential Switch(For Engineer Record)	Material - Mec	February 5, 2015	March 7, 2015	February 17, 2015	12	C
59	SUB-15-00001-HAR-039-C	HAR	Pressure Differential Switch(For Engineer Record)	Material - Mec	May 14, 2015	June 13, 2015	May 20, 2015	6	E
60	SUB-15-00001-HAR-040-A	HAR	Traffic Control Plan	Pre-Construction	January 18, 2015	February 17, 2015	January 27, 2015	9	B



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61	SUB-15-00001-HAR-041-A	HAR	Steel Flang	Material - Mec	January 18, 2015	February 17, 2015	February 1, 2015	14	B
62	SUB-15-00001-HAR-042-A	HAR	Temporary Signs Locations	Pre-Construction	January 20, 2015	February 19, 2015	January 25, 2015	5	B
63	SUB-15-00001-HAR-043-A	HAR	General Construction Method Statement	Pre-Construction	January 20, 2015	February 19, 2015	February 10, 2015	21	C
64	SUB-15-00001-HAR-043-B	HAR	General Construction Method Statement	Pre-Construction	February 12, 2015	March 14, 2015	February 17, 2015	5	B
65	SUB-15-00001-HAR-044-A	HAR	Ball Valves (DN50 and Smaller)	Material - Mec	January 25, 2015	February 24, 2015	January 28, 2015	3	B
66	SUB-15-00001-HAR-045-A	HAR	Flange Gasket AFM34	Material - Mec	January 25, 2015	February 24, 2015	January 28, 2015	3	B
67	SUB-15-00001-HAR-046-A	HAR	Galvanized Malleable Iron Fitting	Material - Mec	January 25, 2015	February 24, 2015	January 28, 2015	3	B
68	SUB-15-00001-HAR-047-A	HAR	Combination Air Valves 2" & 4"	Material - Mec	January 25, 2015	February 24, 2015	January 28, 2015	3	B
69	SUB-15-00001-HAR-048-A	HAR	Bitumen Protective Coating Material for Concrete Surfaces Nitoproof 15	Material - Mec	January 25, 2015	February 24, 2015	February 1, 2015	7	B
70	SUB-15-00001-HAR-049-A	HAR	Water Line Warning Tape	Material - Mec	January 26, 2015	February 25, 2015	February 1, 2015	6	C
71	SUB-15-00001-HAR-049-B	HAR	Water Line Warning Tape	Material - Mec	February 8, 2015	March 10, 2015	February 11, 2015	3	C
72	SUB-15-00001-HAR-049-C	HAR	Water Line Warning Tape	Material - Mec	February 15, 2015	March 17, 2015	February 17, 2015	2	A
73	SUB-15-00001-HAR-050-A	HAR	Gate Valve GV2 (2"&4")	Material - Mec	January 26, 2015	February 25, 2015	January 28, 2015	2	B
74	SUB-15-00001-HAR-051-A	HAR	Welding Procedure	Material - Mec	January 26, 2015	February 25, 2015	January 28, 2015	2	C
75	SUB-15-00001-HAR-051-B	HAR	Welding Procedure	Material - Mec	February 17, 2015	March 19, 2015	March 4, 2015	15	C
76	SUB-15-00001-HAR-051-C	HAR	Welding Procedure	Material - Mec	March 8, 2015	April 7, 2015	March 9, 2015	1	A
77	SUB-15-00001-HAR-052-A	HAR	CPM Construction Schedule	Pre-Construction	January 27, 2015	February 26, 2015	February 9, 2015	13	C
78	SUB-15-00001-HAR-052-B	HAR	CPM Construction Schedule	Pre-Construction	March 2, 2015	April 1, 2015	Retracted March 03, 2015	R	Retracted
79	SUB-15-00001-HAR-052-B	HAR	CPM Construction Schedule	Pre-Construction	March 4, 2015	April 3, 2015	March 5, 2015	1	A
80	SUB-15-00001-HAR-053-A	HAR	Survey Plan for Segment B	Construction	January 27, 2015	February 26, 2015	February 1, 2015	5	B



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81	SUB-15-00001-HAR-054-A	HAR	Traffic Sign Sample(Work Ahead)	Construction	January 27, 2015	February 26, 2015	February 4, 2015	8	B
82	SUB-15-00001-HAR-055-A	HAR	Survey Plan for Segment A	Construction	January 27, 2015	February 26, 2015	February 5, 2015	9	B
83	SUB-15-00001-HAR-056-A	HAR	Backfill Material – Crushed Single Size Aggregate (Homos)	Material - Civil	January 27, 2015	February 26, 2015	January 29, 2015	2	B
84	SUB-15-00001-HAR-057-A	HAR	Bedding Material Aggregate- Granular Backfill Material (Somsom Size)	Material - Civil	January 27, 2015	February 26, 2015	January 29, 2015	2	B
85	SUB-15-00001-HAR-058-A	HAR	Swing check valve DN50 PN16 & PN25	Material - Mec	January 29, 2015	February 28, 2015	February 4, 2015	6	D
86	SUB-15-00001-HAR-058-B	HAR	Swing check valve DN50 PN16 & PN25	Material - Mec	February 22, 2015	March 24, 2015	March 5, 2015	11	E
87	SUB-15-00001-HAR-059-A	HAR	Flow Control Valve for Qelqes Connection Chamber	Material - Mec	January 29, 2015	February 28, 2015	February 4, 2015	6	C
88	SUB-15-00001-HAR-059-B	HAR	Flow Control Valve for Qelqes Connection Chamber	Material - Mec	March 24, 2015	April 23, 2015	April 8, 2015	15	B
89	SUB-15-00001-HAR-060-A	HAR	Flow & pressure reducing control valve	Material - Mec	February 1, 2015	March 3, 2015	February 4, 2015	3	D
90	SUB-15-00001-HAR-060-B	HAR	Flow & pressure reducing control valve	Material - Mec	February 18, 2015	March 20, 2015	March 5, 2015	15	B
91	SUB-15-00001-HAR-061-A	HAR	Pressure Relief valve for WWTP chamber	Material - Mec	February 1, 2015	March 3, 2015	February 4, 2015	3	B
92	SUB-15-00001-HAR-062-A	HAR	Base Course Testing Results- Al Jabri Crusher Plant	Material - Civil	February 2, 2015	March 4, 2015	February 3, 2015	1	B
93	SUB-15-00001-HAR-063-A	HAR	Identification Tape for sewer pipeline	Material - Civil	February 3, 2015	March 5, 2015	February 5, 2015	2	B
94	SUB-15-00001-HAR-064-A	HAR	Water Quality Testing Lab(WQTL)- Renewable Energy & Environrt Research Unit CV	Material - Civil	February 4, 2015	March 6, 2015	February 5, 2015	1	B
95	SUB-15-00001-HAR-065-A	HAR	Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480	Shop Drawing	February 5, 2015	March 7, 2015	February 11, 2015	6	C
96	SUB-15-00001-HAR-065-B	HAR	Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480	Shop Drawing	February 11, 2015	March 13, 2015	February 12, 2015	1	B
97	SUB-15-00001-HAR-065-C	HAR	Shop Drawing Plan Profile and Cross Sections From St. B 0+040 TO ST. B 0+480 For Construction	Shop Drawing	March 18, 2015	April 17, 2015	March 18, 2015	0	A
98	SUB-15-00001-HAR-066-A	HAR	Heat Shrinkable Sleeve & Tapes	Material - Civil	February 15, 2015	March 17, 2015	February 17, 2015	2	D
99	SUB-15-00001-HAR-066-B	HAR	Heat Shrinkable Sleeve & Tapes	Material - Civil	February 18, 2015	March 20, 2015	March 4, 2015	14	B
100	SUB-15-00001-HAR-067-A	HAR	Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+090 RHS	Shop Drawing	February 12, 2015	March 14, 2015	February 17, 2015	5	C



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101	SUB-15-00001-HAR-067-B	HAR	Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+090 RHS	Shop Drawing	February 23, 2015	March 25, 2015	March 2, 2015	7	B
102	SUB-15-00001-HAR-067-C	HAR	Shop Drawing Retaining Wall From ST. B0+040 TO ST.B0+088 RHS	Shop Drawing	March 8, 2015	April 7, 2015	March 16, 2015	8	A
103	SUB-15-00001-HAR-068-A	HAR	Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS	Shop Drawing	February 15, 2015	March 17, 2015	February 17, 2015	2	C
104	SUB-15-00001-HAR-068-B	HAR	Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS	Shop Drawing	February 25, 2015	March 27, 2015	March 11, 2015	14	B
105	SUB-15-00001-HAR-068-C	HAR	Shop Drawing Retaining Wall From ST. B0+090 TO ST.B0+200 RHS - For Construction	Shop Drawing	March 15, 2015	April 14, 2015	March 16, 2015	1	A
106	SUB-15-00001-HAR-069-A	HAR	Bedding Material Aggregate- Granular Backfill Material (Somsom Size)	Material - Civil	February 15, 2015	March 17, 2015	February 17, 2015	2	B
107	SUB-15-00001-HAR-070-A	HAR	Backfill Material – Crushed Single Size Aggregate - Abu Ramooz Crusher	Material - Civil	February 15, 2015	March 17, 2015	February 17, 2015	2	B
108	SUB-15-00001-HAR-071-A	HAR	GATE VALVE 100mm & 50mm	Shop Drawing	February 15, 2015	March 17, 2015	March 5, 2015	18	B
109	SUB-15-00001-HAR-071-B	HAR	GATE VALVE 100mm & 50mm - For Construction	Shop Drawing	May 6, 2015	June 5, 2015	May 13, 2015	7	A
110	SUB-15-00001-HAR-072-A	HAR	Combination air Valve 50mm	Shop Drawing	February 15, 2015	March 17, 2015	March 4, 2015	17	B
111	SUB-15-00001-HAR-072-B	HAR	Combination air Valve 50mm -For Construction	Shop Drawing	May 6, 2015	June 5, 2015	May 13, 2015	7	A
112	SUB-15-00001-HAR-073-A	HAR	WASHOUT OUTFALL IN URBAN AREAS 200mm&80mm	Shop Drawing	February 15, 2015	March 17, 2015	March 4, 2015	17	D
113	SUB-15-00001-HAR-073-B	HAR	WASHOUT OUTFALL IN URBAN AREAS 50 mm	Shop Drawing	March 9, 2015	April 8, 2015	March 12, 2015	3	B
114	SUB-15-00001-HAR-073-C	HAR	WASHOUT OUTFALL IN URBAN AREAS 50 mm - For Construction	Shop Drawing	May 6, 2015	June 5, 2015	May 13, 2015	7	A
115	SUB-15-00001-HAR-074-A	HAR	Flow Monitoring Vault 100 mm	Shop Drawing	February 17, 2015	March 19, 2015	March 5, 2015	16	C
116	SUB-15-00001-HAR-074-B	HAR	Flow Monitoring Vault 100 mm	Shop Drawing	April 23, 2015	May 23, 2015	April 28, 2015	5	A
117	SUB-15-00001-HAR-075-A	HAR	Hot - Mix Asphalt Design - Nominal Size 3/4"	Material - Civil	February 18, 2015	March 20, 2015	February 18, 2015	0	B
118	SUB-15-00001-HAR-076-A	HAR	Segment A , Water Pipeline 100 mm Plan & Profile	Shop Drawing	February 18, 2015	March 20, 2015	March 5, 2015	15	B
119	SUB-15-00001-HAR-076-B	HAR	Segment A , Water Pipeline 100 mm Plan & Profile / For Construction	Shop Drawing	March 9, 2015	April 8, 2015	March 18, 2015	9	A
120	SUB-15-00001-HAR-077A	HAR	Manhole Steps	Material - Civil	February 18, 2015	March 20, 2015	March 4, 2015	14	A



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121	SUB-15-00001-HAR-078-A	HAR	Shop Drawing Plan Profile and Cross Sections From St. B 0+480 TO ST. B 0+981.69	Shop Drawing	February 22, 2015	March 24, 2015	March 2, 2015	8	B
122	SUB-15-00001-HAR-078-B	HAR	Shop Drawing Plan Profile and Cross Sections From St. B 0+480 TO ST. B 0+981.69 (For Construction)	Shop Drawing	March 10, 2015	April 9, 2015	March 18, 2015	8	A
123	SUB-15-00001-HAR-079-A	HAR	Steel Fittings	Material - Mec	February 22, 2015	March 24, 2015	March 9, 2015	15	B
124	SUB-15-00001-HAR-080-A	HAR	Formwork Design for Retaining Works	Shop Drawing	February 22, 2015	March 24, 2015	February 24, 2015	2	C
125	SUB-15-00001-HAR-080-B	HAR	Formwork Design for Retaining Works	Shop Drawing	March 4, 2015	April 3, 2015	March 8, 2015	4	B
126	SUB-15-00001-HAR-081-A	HAR	Bolts, Washers & Nuts	Material - Mec	February 23, 2015	March 25, 2015	March 4, 2015	9	B
127	SUB-15-00001-HAR-082-A	HAR	Branding Plan	Construction	February 24, 2015	March 26, 2015	March 8, 2015	12	E
128	SUB-15-00001-HAR-083-A	HAR	Cement Curb Stone (25x 17x100 cm) / Al Amir Company	Construction	February 24, 2015	March 26, 2015	February 24, 2015	0	B
129	SUB-15-00001-HAR-084-A	HAR	MECHANICAL WWTP SERVICE CONNECTION CHAMBER	Shop Drawing	February 25, 2015	March 27, 2015	March 5, 2015	8	E
130	SUB-15-00001-HAR-085-A	HAR	MECHANICAL QELQES CONNECTION CHAMBER	Shop Drawing	February 25, 2015	March 27, 2015	March 5, 2015	8	E
131	SUB-15-00001-HAR-086-A	HAR	Pre- Reinforced Concrete Pipe Culvert Diameter 1000 mm/ Al Amir Company	Material -Civil	February 26, 2015	March 28, 2015	March 17, 2015	19	B
132	SUB-15-00001-HAR-087-A	HAR	Cat Eyes -(IRIFLEX , Planing, Consulting & Manufacturing Ltd)	Material -Civil	February 26, 2015	March 28, 2015	March 4, 2015	6	B
133	SUB-15-00001-HAR-088-A	HAR	Concrete Ready Mix Design , Class B15 & B30	Material -Civil	March 2, 2015	April 1, 2015	March 17, 2015	15	B
134	SUB-15-00001-HAR-089-A	HAR	Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement	Material -Civil	March 4, 2015	April 3, 2015	March 16, 2015	12	C
135	SUB-15-00001-HAR-089-B	HAR	Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement	Material -Civil	March 24, 2015	April 23, 2015	April 2, 2015	9	C
	SUB-15-00001-HAR-089-C	HAR	Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement	Material -Civil	April 23, 2015	May 23, 2015	Retracted May 06,2015		Retracted
136	SUB-15-00001-HAR-089-C	HAR	Concrete Ready Sewer Manhole Mix Design , Class B30 With Slag Cement	Material -Civil	May 10, 2015	June 9, 2015	May 20, 2015	10	B
137	SUB-15-00001-HAR-090-A	HAR	Prim Coat (Bitumul M-10) / Leading Waterproofing Technologies	Material -Civil	March 4, 2015	April 3, 2015	March 25, 2015	21	B
138	SUB-15-00001-HAR-091-A	HAR	Tack Coat (Bitumul STC) / Leading Waterproofing Technologies	Material -Civil	March 4, 2015	April 3, 2015	March 25, 2015	21	B
139	SUB-15-00001-HAR-092-A	HAR	Shop Drawing Retaining Wall From ST. B0+0200 TO ST.B0+300 RHS	Shop Drawing	March 4, 2015	April 3, 2015	March 11, 2015	7	B



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140	SUB-15-00001-HAR-092-B	HAR	Shop Drawing Retaining Wall From ST. B0+0200 TO ST.B0+300 RHS - For Construction	Shop Drawing	March 15, 2015	April 14, 2015	March 16, 2015	1	A
141	SUB-15-00001-HAR-093-A	HAR	Shop Drawing Retaining Wall From ST. B0+0300 TO ST.B0+350 RHS	Shop Drawing	March 4, 2015	April 3, 2015	March 8, 2015	4	E
142	SUB-15-00001-HAR-094-A	HAR	JMF - Hot Mix Asphalt - HMAC / Binder Bituminous Course Layer 1" / Roots Company	Material -Civil	March 5, 2015	April 4, 2015	March 16, 2015	11	B
143	SUB-15-00001-HAR-095-A	HAR	Plan , Profile & Cross Sections - Segment A	Shop Drawing	March 8, 2015	April 7, 2015	Retracted March 11, 2015		Retracted
144	SUB-15-00001-HAR-095-A	HAR	Plan , Profile & Cross Sections - Segment A	Shop Drawing	March 11, 2015	April 10, 2015	March 30, 2015	19	C
145	SUB-15-00001-HAR-095-B	HAR	Plan , Profile & Cross Sections - Segment A	Shop Drawing	April 8, 2015	May 8, 2015	April 16, 2015	8	B
146	SUB-15-00001-HAR-095-C	HAR	Plan , Profile & Cross Sections - Segment A / For Construction	Shop Drawing	April 21, 2015	May 21, 2015	April 29, 2015	8	A
147	SUB-15-00001-HAR-096-A	HAR	Precast concrete Sewer Pipe Dia 1500 mm	Material -Civil	March 9, 2015	April 8, 2015	March 18, 2015	9	B
148	SUB-15-00001-HAR-097-A	HAR	Safety Barriers Guardrail Type N2 - ESP2- W4	Material -Civil	March 9, 2015	April 8, 2015	March 15, 2015	6	C
149	SUB-15-00001-HAR-097-B	HAR	Safety Barriers Guardrail Type N2 - ESP2- W5	Material -Civil	March 31, 2015	April 30, 2015	April 6, 2015	6	B
150	SUB-15-00001-HAR-098-A	HAR	Water Chamber Manhole Covers "750 mm"/ Al Haddad Steel Company	Material -Civil	March 10, 2015	April 9, 2015	March 17, 2015	7	B
151	SUB-15-00001-HAR-099-A	HAR	Sewer Manhole Cover 600 mm "Al Haddad Steel Company"	Material -Civil	March 10, 2015	April 9, 2015	March 16, 2015	6	C
152	SUB-15-00001-HAR-099-B	HAR	Sewer Manhole Cover 600 mm "Al Haddad Steel Company"	Material -Civil	March 31, 2015	April 30, 2015	April 2, 2015	2	B
153	SUB-15-00001-HAR-100-A	HAR	Morex – Radio – Graphic Testing Agency – Welding Testing Lab	Material -Civil	March 10, 2015	April 9, 2015	March 12, 2015	2	A
154	SUB-15-00001-HAR-101-A	HAR	HAR Main Connection	Shop Drawing	March 10, 2015	April 9, 2015	March 12, 2015	2	B
155	SUB-15-00001-HAR-101-B	HAR	HAR Main Connection - For Construction	Shop Drawing	March 23, 2015	April 22, 2015	March 30, 2015	7	B
156	SUB-15-00001-HAR-102-A	HAR	Base Course Loose Sample Testing Results- Source Al Bushraa New (Abu Fathi) Crusher Plant	Material - Civil	March 10, 2015	April 9, 2015	March 16, 2015	6	B
157	SUB-15-00001-HAR-103-A	HAR	Qelqes Connection	Shop Drawing	March 11, 2015	April 10, 2015	March 12, 2015	1	B
158	SUB-15-00001-HAR-103-B	HAR	Qelqes Connection - For Construction	Shop Drawing	March 16, 2015	April 15, 2015	March 24, 2015	8	B
159	SUB-15-00001-HAR-104-A	HAR	Heat Shrinkable Tapes / Supplementary Data	Material - Civil	March 12, 2015	April 11, 2015	March 18, 2015	6	D



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160	SUB-15-00001-HAR-104-B	HAR	Heat Shrinkable Tapes / Supplementary Data	Material - Civil	March 22, 2015	April 21, 2015	March 30, 2015	8	B
161	SUB-15-00001-HAR-105-A	HAR	WWTP CONNECTION	Shop Drawing	March 12, 2015	April 11, 2015	March 15, 2015	3	B
162	SUB-15-00001-HAR-105-B	HAR	WWTP CONNECTION / For Construction	Shop Drawing	March 23, 2015	April 22, 2015	April 8, 2015	16	A
163	SUB-15-00001-HAR-106-A	HAR	Thermoplastic Paint Road Marking - Prismo Road Marking Ltd - Ennis Paint-Spain	Material - Civil	March 12, 2015	April 11, 2015	March 17, 2015	5	B
164	SUB-15-00001-HAR-107-A	HAR	Propeller Flow meters	Material - Mec	March 15, 2015	April 14, 2015	March 18, 2015	3	B
165	SUB-15-00001-HAR-108-A	HAR	Welders Qualification Report	Material - Mec	March 15, 2015	April 14, 2015	March 18, 2015	3	B
166	SUB-15-00001-HAR-109-A	HAR	Bedding Material Aggregate- Granular Backfill Material (Somsom Size) - Source Al Bushraa New (Abu Fathi) Crusher	Material - Civil	March 15, 2015	April 14, 2015	March 17, 2015	2	B
167	SUB-15-00001-HAR-110-A	HAR	Backfill Material – Crushed Single Size Aggregate (Foul and Adas)- Source Al Bushraa New (Abu Fathi) Crusher	Material - Civil	March 15, 2015	April 14, 2015	March 17, 2015	2	B
168	SUB-15-00001-HAR-111-A	HAR	Plan , Profile Water Pipe Line 50mm From Sta.B0-020 to Sta.B0+987 LHS	Shop Drawing	March 17, 2015	April 16, 2015	March 30, 2015	13	B
169	SUB-15-00001-HAR-111-B	HAR	Plan , Profile Water Pipe Line 50mm From Sta.B0-020 to Sta.B0+987 LHS - Fo Construction	Shop Drawing	May 6, 2015	June 5, 2015	May 6, 2015	0	A
170	SUB-15-00001-HAR-112-A	HAR	Malleable iron fittings (alternative)	Material - Mec	March 22, 2015	April 21, 2015	April 13, 2015	22	C
171	SUB-15-00001-HAR-112-B	HAR	Malleable iron fittings (alternative)	Material - Mec	April 21, 2015	May 21, 2015	April 28, 2015	7	B
172	SUB-15-00001-HAR-113-A	HAR	Concrete Curing Method Statement	Construction	March 24, 2015	April 23, 2015	March 25, 2015	1	B
173	SUB-15-00001-HAR-114-A	HAR	Pressure reducing valve for WWTP chamber	Material - Mec	March 24, 2015	April 23, 2015	April 2, 2015	9	B
174	SUB-15-00001-HAR-115-A	HAR	Malleable iron fittings (alternative) / Source Coupling	Material - Mec	March 24, 2015	April 23, 2015	March 30, 2015	6	B
175	SUB-15-00001-HAR-116-A	HAR	Pressure Relief valve for WWTP chamber / Supplemetry Data	Material - Mec	March 25, 2015	April 24, 2015	March 30, 2015	5	A
176	SUB-15-00001-HAR-117-A	HAR	Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+563	Shop Drawing	April 5, 2015	May 5, 2015	May 4, 2015	29	C
177	SUB-15-00001-HAR-117-B	HAR	Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+564	Shop Drawing	May 19, 2015	June 18, 2015	June 4, 2015	16	C
178	SUB-15-00001-HAR-117-C	HAR	Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+564	Shop Drawing	June 9, 2015	July 9, 2015	June 24, 2015	15	B
179	SUB-15-00001-HAR-117-D	HAR	Segment B , Sewer Line Plan & Profile From Sta.S 0+000 to S0+565for construction	Construction	August 3, 2015	September 2, 2015	August 12, 2015	9	A



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179	SUB-15-00001-HAR-118-A	HAR	Precast concrete Sewer Pipe Dia 1500 mm / Al Amir Company	Material - Civil	April 7, 2015	May 7, 2015	April 13, 2015	6	B
180	SUB-15-00001-HAR-119-A	HAR	Filter Fabric (Geotextile) Material	Material - Civil	April 8, 2015	May 8, 2015	April 13, 2015	5	A
181	SUB-15-00001-HAR-120-A	HAR	Box Culvert From Sta.B0+012 to Sta.B0+030	Shop Drawing	April 8, 2015	May 8, 2015	May 4, 2015	26	C
182	SUB-15-00001-HAR-120-B	HAR	Box Culvert From Sta.B0+012 to Sta.B0+030	Shop Drawing	May 21, 2015	June 20, 2015	June 7, 2015	17	B
183	SUB-15-00001-HAR-120-C	HAR	Box Culvert From Sta.B0+012 to Sta.B0+030 / For Construction	Shop Drawing	July 1, 2015	July 31, 2015	July 13, 2015	12	A
184	SUB-15-00001-HAR-121-A	HAR	Galvanized Steel Tube - Traffic Signs/ Source GAL-LTD-IL	Material - Civil	April 13, 2015	May 13, 2015	April 16, 2015	3	B
185	SUB-15-00001-HAR-122-A	HAR	March Monthly Updated CPM Schedule	Material - Civil	April 13, 2015	May 13, 2015	April 15, 2015	2	B
186	SUB-15-00001-HAR-123-A	HAR	Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL	Material - Civil	April 13, 2015	May 13, 2015	April 16, 2015	3	B
187	SUB-15-00001-HAR-124-A	HAR	Selected Fill Material - Source Abed Al Aziz Khdoor Stone Quarry	Material - Civil	April 14, 2015	May 14, 2015	April 16, 2015	2	A
188	SUB-15-00001-HAR-125-A	HAR	Selected Fill Material - Source Mohamad Atrash Stone Quarry	Material - Civil	April 14, 2015	May 14, 2015	April 16, 2015	2	A
189	SUB-15-00001-HAR-126-A	HAR	Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS	Shop Drawing	April 14, 2015	May 14, 2015	April 19, 2015	5	C
190	SUB-15-00001-HAR-126-B	HAR	Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS	Shop Drawing	April 29, 2015	May 29, 2015	May 6, 2015	7	C
191	SUB-15-00001-HAR-126-C	HAR	Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS	Shop Drawing	May 7, 2015	June 6, 2015	May 12, 2015	5	B
192	SUB-15-00001-HAR-126-D	HAR	Retaining Wall From Sta.A0+206 to Sta.A0+257 RHS / For Construction	Shop Drawing	June 9, 2015	July 9, 2015	June 11, 2015	2	A
193	SUB-15-00001-HAR-127-A	HAR	Orifice plate sizing for flow control valves (Qelqes & WWTP)	Material - Mec	April 16, 2015	May 16, 2015	April 21, 2015	5	A
194	SUB-15-00001-HAR-128-A	HAR	Monthly Updated Quality Control Plan	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	C
195	SUB-15-00001-HAR-128-B	HAR	Monthly Updated Quality Control Plan	Construction	May 31, 2015	June 30, 2015	June 3, 2015	3	B
196	SUB-15-00001-HAR-129-A	HAR	Monthly Updated Safety Plan	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	C
197	SUB-15-00001-HAR-129-B	HAR	Monthly Updated Safety Plan	Construction	May 17, 2015	June 16, 2015	May 28, 2015	11	B
198	SUB-15-00001-HAR-130-A	HAR	Monthly Updated Environmental Monitoring and Mitigation Plan	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	C



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199	SUB-15-00001-HAR-130-B	HAR	Monthly Updated Environmental Monitoring and Mitigation Plan	Construction	May 26, 2015	June 25, 2015	May 28, 2015	2	B
200	SUB-15-00001-HAR-131-A	HAR	Monthly Updated CRMP	Construction	April 19, 2015	May 19, 2015	April 23, 2015	4	A
201	SUB-15-00001-HAR-132-A	HAR	Monthly Updated Submittal Schedule	Construction	April 20, 2015	May 20, 2015	April 23, 2015	3	C
202	SUB-15-00001-HAR-132-B	HAR	Monthly Updated Submittal Schedule	Construction	June 10, 2015	July 10, 2015	June 16, 2015	6	B
203	SUB-15-00001-HAR-133-A	HAR	Concrete Repairing Material (Renderoc HSXtra by FOSROC)	Construction	April 21, 2015	May 21, 2015	April 22, 2015	1	B
204	SUB-15-00001-HAR-134-A	HAR	Concrete Repairing Method Statement	Construction	April 21, 2015	May 21, 2015	April 22, 2015	1	B
205	SUB-15-00001-HAR-135-A	HAR	Pipe Culvert From Sta B0+415 to Sta.B0+970	Shop Drawing	April 23, 2015	May 23, 2015	April 29, 2015	6	C
206	SUB-15-00001-HAR-135-B	HAR	Pipe Culvert From Sta B0+415 and Sta.B0+970	Shop Drawing	May 26, 2015	June 25, 2015	June 1, 2015	6	B
207	SUB-15-00001-HAR-135-C	HAR	Pipe Culvert From Sta B0+415 and Sta.B0+970 / For Construction	Shop Drawing	June 8, 2015	July 8, 2015	June 11, 2015	3	A
208	SUB-15-00001-HAR-136-A	HAR	Adjustable Pipe Support Sample	Mateial - Civil	April 26, 2015	May 26, 2015	May 11, 2015	15	B
209	SUB-15-00001-HAR-137-A	HAR	Sewer System of Segment B Method Statement	Construction	May 4, 2015	June 3, 2015	May 13, 2015	9	C
210	SUB-15-00001-HAR-137-B	HAR	Sewer System of Segment B Method Statement	Construction	July 14, 2015	August 13, 2015	July 26, 2015	12	B
211	SUB-15-00001-HAR-138-A	HAR	Alternative Gate Valves PN 25 Metal Seated Raphael	Construction	May 10, 2015	June 9, 2015	May 13, 2015	3	B
212	SUB-15-00001-HAR-139-A	HAR	Plan , Profile and Cross Section at Segment B From Sta.B0+000 to Sta.B0+040	Shop Drawing	May 10, 2015	June 9, 2015	May 12, 2015	2	B
213	SUB-15-00001-HAR-139-B	HAR	Plan , Profile and Cross Section at Segment B From Sta.B0+000 to Sta.B0+040 / For Construction	Shop Drawing	June 9, 2015	July 9, 2015	June 14, 2015	5	A
214	SUB-15-00001-HAR-140-A	HAR	Internal Coating of Sewer Manhole – Source Fosroc Nitocote ET402E	Material - Civil	May 10, 2015	June 9, 2015	May 20, 2015	10	B
215	SUB-15-00001-HAR-141-A	HAR	Updated Original CPM Schedule Submittal April 30, 2015	Construction	May 10, 2015	June 9, 2015	May 12, 2015	2	B
216	SUB-15-00001-HAR-142-A	HAR	Sewer Manhole Details	Shop Drawing	May 14, 2015	June 13, 2015	May 26, 2015	12	C
217	SUB-15-00001-HAR-142-B	HAR	Sewer Manhole Details	Shop Drawing	May 26, 2015	June 25, 2015	June 16, 2015	21	B
218	SUB-15-00001-HAR-142-C	HAR	Sewer Manhole Details /for construction	Shop Drawing	August 20, 2015	September 19, 2015	August 25, 2015	5	A



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218	SUB-15-00001-HAR-143-A	HAR	Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe	Construction	May 18, 2015	June 17, 2015	June 8, 2015	21	C
219	SUB-15-00001-HAR-143-B	HAR	Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe	Construction	June 29, 2015	July 29, 2015	Retracted- July 02, 2015		Retracted
220	SUB-15-00001-HAR-143-B	HAR	Quality Control Manufacturing Plan for 1500mm Dia Concrete Sewer Pipe	Construction	July 13, 2015	August 12, 2015	July 30, 2015	17	B
221	SUB-15-00001-HAR-144-A	HAR	Base Course Comprehensive Testing Results- Al Dahdoor Crusher - Yatta City Test Report -NO: ST/15239	Construction	May 20, 2015	June 19, 2015	May 24, 2015	4	B
222	SUB-15-00001-HAR-145-A	HAR	Gate Valve 100 mm at Sta.-0+020	Shop Drawing	May 21, 2015	June 20, 2015	May 24, 2015	3	E
223	SUB-15-00001-HAR-146-A	HAR	Method Statement Concrete Surface Repairing	Material-Civil	May 24, 2015	June 23, 2015	May 28, 2015	4	B
224	SUB-15-00001-HAR-147-A	HAR	Synthetic Rubber Gasket	Material-Civil	May 24, 2015	June 23, 2015	June 7, 2015	14	B
225	SUB-15-00001-HAR-148-A	HAR	May Monthly Updated Quality Control Plan	Material-Civil	May 31, 2015	June 30, 2015	June 3, 2015	3	B
226	SUB-15-00001-HAR-149-A	HAR	Updated Original CPM Schedule Submittal May 31, 2015	Construction	June 14, 2015	July 14, 2015	June 21, 2015	7	C
227	SUB-15-00001-HAR-149-B	HAR	Updated Original CPM Schedule Submittal May 31, 2015	Construction	June 23, 2015	July 23, 2015	June 24, 2015	1	B
228	SUB-15-00001-HAR-150-A	HAR	Environmental Monitoring and Mitigation Plan Update for May	Construction	June 17, 2015	July 17, 2015	June 28, 2015	11	B
229	SUB-15-00001-HAR-151-A	HAR	Updated Safety Plan May 2015	Construction	June 17, 2015	July 17, 2015	June 28, 2015	11	B
230	SUB-15-00001-HAR-152-A	HAR	Updated Construction Risk Management Plan (CRMP) - May 2015	Construction	June 17, 2015	July 17, 2015	June 28, 2015	11	B
231	SUB-15-00001-HAR-153-A	HAR	Revised Original CPM Schedule as per VO 01.	Pre-Construction	July 6, 2015	August 5, 2015	July 14, 2015	8	C
232	SUB-15-00001-HAR-153-B	HAR	Revised Original CPM Schedule as per VO 01.	Pre-Construction	July 27, 2015	August 26, 2015	Retracted 04 August		Retracted
233	SUB-15-00001-HAR-153-B	HAR	Revised Original CPM Schedule as per VO 01.	Pre-Construction	August 4, 2015	September 3, 2015	August 5, 2015	1	B
233	SUB-15-00001-HAR-154-A	HAR	Monthly Safety Plan Updated for June	Pre-Construction	July 9, 2015	August 8, 2015	July 15, 2015	6	A
234	SUB-15-00001-HAR-155-A	HAR	Shop Drawing GATE VALVE 50mm at Sta. 0+020	Pre-Construction	July 13, 2015	August 12, 2015	July 23, 2015	10	B
235	SUB-15-00001-HAR-156-A	HAR	Confined Space Safety Plan	Pre-Construction	July 29, 2015	August 28, 2015	August 3, 2015	5	C
236	SUB-15-00001-HAR-156-B	HAR	Confined Space Safety Plan	Pre-Construction	August 9, 2015	September 8, 2015	August 16, 2015	7	B



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237	SUB-15-00001-HAR-157-A	HAR	Testing Lab CV	Pre-Construction	August 10, 2015	September 9, 2015	August 13, 2015	3	B
238	SUB-15-00001-HAR-158-A	HAR	Palestine Standard Institution for 1500 mm concrete sewer pipe certification.	Pre-Construction	August 13, 2015	September 12, 2015	August 18, 2015	5	A
239	SUB-15-00001-HAR-159-A	HAR	Method Statement For Sewer pipe Testing.	Pre-Construction	August 16, 2015	September 15, 2015	August 20, 2015	4	C
240	SUB-15-00001-HAR-159-B	HAR	Method Statement For Sewer pipe Testing.	Pre-Construction	September 3, 2015	October 3, 2015	September 6, 2015	3	C
241	SUB-15-00001-HAR-159-C	HAR	Method Statement For Sewer pipe Testing.	Pre-Construction	September 16, 2015	October 16, 2015	September 21, 2015	5	B
240	SUB-15-00001-HAR-160-A	HAR	Updated Safety Plan July 2015	Pre-Construction	August 18, 2015	September 17, 2015	August 24, 2015	6	B
241	SUB-15-00001-HAR-161-A	HAR	Updated Original CPM Schedule Submittal July 31, 2015	Pre-Construction	August 23, 2015	September 22, 2015	August 25, 2015	2	B
242	SUB-15-00001-HAR-162-A	HAR	Permanent project sign	Pre-Construction	August 24, 2015	September 23, 2015	August 26, 2015	2	B
243	SUB-15-00001-HAR-163-A	HAR	Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	August 24, 2015	September 23, 2015	September 2, 2015	9	C
244	SUB-15-00001-HAR-163-B	HAR	Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	September 8, 2015	October 8, 2015	September 10, 2015	2	B
245	SUB-15-00001-HAR-163-C	HAR	Segment .A Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	September 16, 2015	October 16, 2015	September 21, 2015	5	A
244	SUB-15-00001-HAR-164-A	HAR	Segment .B Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	August 24, 2015	September 23, 2015	September 2, 2015	9	C
245	SUB-15-00001-HAR-164-B	HAR	Segment .B Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	September 6, 2015	October 6, 2015	September 10, 2015	4	B
246	SUB-15-00001-HAR-164-C	HAR	Segment .B Road miscellaneous : cat eyes , traffic sign,road marking & guard rill)	Pre-Construction	September 16, 2015	October 16, 2015	September 21, 2015	5	A
245	SUB-15-00001-HAR-165-A	HAR	Vaccination Certificates.	Pre-Construction	September 2, 2015	October 2, 2015	September 7, 2015	5	A
246	SUB-15-00001-HAR-166-A	HAR	Cat eyes samples (single and double) by IRFLEX (Ref. SUB-15-00001-HAR-087-A)	Material -Civil	September 8, 2015	October 8, 2015	September 14, 2015	6	B
246	SUB-15-00001-HAR-167-A	HAR	Sample of Galvanized Steel Tube - Traffic Signs/ Source GAL-LTD-IL (Ref.SUB-15-00001-HAR-121-A)	Material -Civil	September 8, 2015	October 8, 2015	September 14, 2015	6	B
247	SUB-15-00001-HAR-168-A	HAR	Sample of Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL (Ref.SUB-15-00001-HAR-123-A)	Material -Civil	September 8, 2015	October 8, 2015	September 14, 2015	6	C
247	SUB-15-00001-HAR-168-B	HAR	Sample of Traffic Signs Reflective Sheeting / Source 3MTM Company Local Manufacture / 3M - Top Traffic Safety - LTD-IL (Ref.SUB-15-00001-HAR-123-A)	Material -Civil	October 1, 2015	October 31, 2015	October 1, 2015	0	B



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247	SUB-15-00001-HAR-169-A	HAR	Update CPM Schedule Submittal August 31, 2015	Construction	September 13, 2015	October 13, 2015	September 15, 2015	2	B
247	SUB-15-00001-HAR-170-A	HAR	Pipeline Marking (Pipe Marker Sample) for 2" and 4" water pipe and concrete sewer pipes (1500 mm)	Material -Civil	September 15, 2015	October 15, 2015	September 21, 2015	6	C
248	SUB-15-00001-HAR-170-B	HAR	Pipeline Marking (Pipe Marker Sample) for 2" and 4" water pipe and concrete sewer pipes (1500 mm)	Material -Civil	October 1, 2015	October 31, 2015	October 1, 2015	0	B
248	SUB-15-00001-HAR-171-A	HAR	Operation and Maintenance Manuals (Gate Valve).	Material -Civil	September 21, 2015	October 21, 2015	October 1, 2015	10	B
248	SUB-15-00001-HAR-172-A	HAR	Method Statement for TESTING (Hydrostatic, Disinfection and Flushing)(2" & 4" Pipelines)	Material -Civil	September 28, 2015	October 28, 2015	October 1, 2015	3	A
248	SUB-15-00001-HAR-173-A	HAR	Thermoplastic Paint Road Marking Materials (White & Yellow), By (Reda National Co. for Road Paint & Highway Safety)	Material -Civil	September 30, 2015	October 30, 2015	October 1, 2015	1	B
249	SUB-15-00001-HAR-174-A	HAR	O&M Manuals Propeller water meter	Material -Civil	September 30, 2015	October 30, 2015	October 1, 2015	1	C
249	SUB-15-00001-HAR-174-B	HAR	O&M Manuals Propeller water meter	Material -Civil	October 14, 2015	November 13, 2015	October 19, 2015	5	B
249	SUB-15-00001-HAR-175-A	HAR	Environmental Monitoring and Mitigation Plan Update for June	Pre-Construction	October 6, 2015	November 5, 2015	October 7, 2015	1	A
249	SUB-15-00001-HAR-176-A	HAR	Environmental Monitoring and Mitigation Plan Update for July	Pre-Construction	October 6, 2015	November 5, 2015	October 7, 2015	1	A
249	SUB-15-00001-HAR-177-A	HAR	Environmental Monitoring and Mitigation Plan Update for August	Pre-Construction	October 6, 2015	November 5, 2015	October 7, 2015	1	A
250	SUB-15-00001-HAR-178-A	HAR	Construction Risk Management Plan Update for July	Pre-Construction	October 6, 2015	November 5, 2015	October 7, 2015	1	A
250	SUB-15-00001-HAR-179-A	HAR	Draft as built drawings (segment A & B Water Pipe Line 100mm & 50mm Plan, Profile & Detail).	Post-Construction	October 12, 2015	November 11, 2015	October 25, 2015	13	C
250	SUB-15-00001-HAR-180-A	HAR	Draft as built drawings (segment B. Sewer Line Plan, Profile from station S0-019 to S0+559).	Post-Construction	October 13, 2015	November 12, 2015	October 25, 2015	12	C
250	SUB-15-00001-HAR-181-A	HAR	Draft as built drawings (segment A. Plan, Profile and Cross Section).	Post-Construction	October 14, 2015	November 13, 2015	October 25, 2015	11	C
250	SUB-15-00001-HAR-182-A	HAR	Draft as built drawings (segment B. Plan, Profile and Cross Section from St. 0+000 to B0+990.46).	Post-Construction	October 18, 2015	November 17, 2015	October 25, 2015	7	C
251	SUB-15-00001-HAR-183-A	HAR	Draft as built drawings (Retaining Wall & Box Culvert & Pipe Culvert).	Post-Construction	October 20, 2015	November 19, 2015	October 25, 2015	5	C
252	SUB-15-00001-HAR-184-A	HAR	Final as-built drawings -Hebron access road	Post-Construction	November 25, 2015	December 25, 2015	December 17, 2015	22	C
253	SUB-15-00001-HAR-185-A	HAR	As Built CPM Schedule Submittal Revised as per VO 03	Post-Construction	December 1, 2015	December 31, 2015	December 7, 2015	6	C
254	SUB-15-00001-HAR-185-B	HAR	As Built CPM Schedule Submittal Revised as per VO 03	Post-Construction	December 30, 2015	January 29, 2016	January 5, 2016	6	A



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255	SUB-15-00001-HAR-186-A	HAR	Operation and Maintenance Manuals (Gate Valve & Propeller water meter)	Post-Construction	January 24, 2016	February 23, 2016	January 28, 2016	4	A
256	SUB-15-00001-HAR-187-A	HAR	As Built Drawings: <ul style="list-style-type: none"> • Segment A: Plan, Profile & Cross Sections from Sta.A0+000 to Sta.A1+060 • Segment B: Plan, Profile & Cross Sections from Sta.B 0+000 to Sta.B 0+990.46 • Retaining Walls, Box Culvert & Pipe Culverts • Water Line (50mm & 100mm) Plan, Profile & Details. • Sewer Line : Plan & Profile from Sta.S 0-019 to Sta.S 0+559 	Post-Construction	March 29, 2016	April 28, 2016	April 11, 2016	13	A



Annex E:

Test Submittals Log



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1	TEST -15-000001-HAR-001-A	HAR	Excavated Material Test Report -Report No (ST/15026/INSP) From ST. B0+040 TO ST.B0+430	Inspection Report	March 5, 2015	April 4, 2015	March 9, 2015	4	A
2	TEST -15-000001-HAR-002-A	HAR	Soil Testing and Geotechnical Analysis Report , Construction of Reinforced Concrete Retaining Wall	Geotechnical Report for RW Stability	March 10, 2015	April 9, 2015	March 25, 2015	15	A
3	TEST -15-000001-HAR-003-A	HAR	Field Density of Base Course Layer / Below Retaining Walls Footing From Sta.B0+040 to Sta.B0+090 RHS Test Report No : (ST/35148)	Field Density	March 23, 2015	April 22, 2015	March 25, 2015	2	A
4	TEST -15-000001-HAR-004-A	HAR	Bedding Backfilling Material Aggregate - Somsom Size	Gradation	March 26, 2015	April 25, 2015	March 26, 2015	0	A
5	TEST -15-000001-HAR-005-A	HAR	Backfilling Material Aggregate - Single Size (Homos Aggregate)	Gradation	March 26, 2015	April 25, 2015	March 26, 2015	0	A
6	TEST -15-000001-HAR-006-A	HAR	Test Report - Reinforcement Deformed Steel Bars	Yield Strength	March 26, 2015	April 25, 2015	March 26, 2015	0	A
7	TEST -15-000001-HAR-007-A	HAR	Test Report - Concrete Compressive Strength / Footing of RW Between Sta.B0+040 to Sta.B0+090 RHS	Compressive Strength	April 5, 2015	May 5, 2015	April 14, 2015	9	A
8	TEST -15-000001-HAR-008-A	HAR	Test Report - Bedding Material Aggregate - Somsom Size / WWTP Access Road at Sta.0+450	Sieve Analysis	April 5, 2015	May 5, 2015	April 14, 2015	9	A
9	TEST -15-000001-HAR-009-A	HAR	Test Report -Backfill Material Aggregate - Homos Size / WWTP Access Road Between Sta.0+000 - Sta.0+500	Sieve Analysis	April 5, 2015	May 5, 2015	April 14, 2015	9	A
10	TEST -15-000001-HAR-010-A	HAR	Test Report -NO: BM/CT/15579 Concrete Compressive Strength	Compressive Strength	April 14, 2015	May 14, 2015	April 14, 2015	0	A
11	TEST -15-000001-HAR-011-A	HAR	Test Report -NO: BM/CT/15568 Concrete Compressive Strength	Compressive Strength	April 14, 2015	May 14, 2015	April 14, 2015	0	A
12	TEST -15-000001-HAR-012-A	HAR	Test Report -NO: BM/CT/15594 Concrete Compressive Strength	Compressive Strength	April 20, 2015	May 20, 2015	April 21, 2015	1	B
13	TEST -15-000001-HAR-013-A	HAR	Test Report -NO: BM/CT/15592 Concrete Compressive Strength	Compressive Strength	April 20, 2015	May 20, 2015	April 21, 2015	1	B
14	TEST -15-000001-HAR-014-A	HAR	Test Report -NO: BM/CT/15508 Concrete Compressive Strength / Footing of the RW between station 0+040 to 0+090 RHS	Compressive Strength	April 21, 2015	May 21, 2015	April 22, 2015	1	A
15	TEST -15-000001-HAR-015-A	HAR	Test Report -NO: ST/15170 Loose Sample of Imported Selected Filled Material B0+480 to 0+710	Sieve Analysis	April 21, 2015	May 21, 2015	April 22, 2015	1	A



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16	TEST -15-000001-HAR-016-A	HAR	Test Report -NO: BM/CT/15623 Concrete Compressive Strength / RW between station 0+150 to 0+157.5RHS & 0+165 to 0+172.5RHS	Comprehensive Test	April 27, 2015	May 27, 2015	May 3, 2015	6	A
17	TEST -15-000001-HAR-017-A	HAR	Test Report -NO: BM/CT/15628 Concrete Compressive Strength / RW between station 0+157.5 to 0+165 RHS & 0+172.5 to 0+180 RHS	Comprehensive Test	April 27, 2015	May 27, 2015	May 3, 2015	6	A
18	TEST -15-000001-HAR-018-A	HAR	Test Report -NO: ST/15160 Loose Sample of Excavated Material B0+000-B0+040 at Sta.B0+020	Sieve Analysis	April 28, 2015	May 28, 2015	May 27, 2015	29	A
19	TEST -15-000001-HAR-019-A	HAR	Test Report -NO: BM/CT/15594 Concrete Compressive Strength / RW between station 0+112.8 to 0+120 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
20	TEST -15-000001-HAR-020-A	HAR	Test Report -NO: BM/CT/15592 Concrete Compressive Strength / RW between station 0+105 to 0+112.8 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
21	TEST -15-000001-HAR-021-A	HAR	Test Report -NO: BM/CT/15579 Concrete Compressive Strength / RW between station 0+067.5 to 0+075 RHS & 0+097.5 to 0+105 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
22	TEST -15-000001-HAR-022-A	HAR	Test Report -NO: BM/CT/15568 Concrete Compressive Strength / RW between station 0+074 to 0+082 RHS & 0+090 to 0+098 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
23	TEST -15-000001-HAR-023-A	HAR	Test Report -NO: BM/CT/15551 Concrete Compressive Strength / Footing of RW between station 0+150 to 0+230 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
24	TEST -15-000001-HAR-024-A	HAR	Test Report -NO: BM/CT/15551 Concrete Compressive Strength / Footing of RW between station 0+090 to 0+152 RHS	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
25	TEST -15-000001-HAR-025-A	HAR	Test Report -NO: BM/CT/15508 Concrete Compressive Strength / Footing of RW between station 0+040 to 0+090 RHS / 28 Day	Comprehensive Test	April 28, 2015	May 28, 2015	May 3, 2015	5	A
26	TEST -15-000001-HAR-026-A	HAR	Test Report -NO: ST/15195 Fill Material - Loose Sample From Sta. B0+840 to B0+980 at Sta.B0+960	Sieve Analysis	May 10, 2015	June 9, 2015	May 27, 2015	17	A
27	TEST -15-000001-HAR-027-A	HAR	Test Report -NO: ST/15197 Fill Material - Loose Sample , Second Layer Between Stations 0+480 & 0+670	Sieve Analysis	May 10, 2015	June 9, 2015	May 14, 2015	4	A
28	TEST -15-000001-HAR-028-A	HAR	Test Report -NO: BM/CT/15557 Concrete Compressive Strength of RW From Sta.B0+082 to Sta.B0+090 RHS -28 Day	Comprehensive Test	May 10, 2015	June 9, 2015	May 14, 2015	4	A
29	TEST -15-000001-HAR-029-A	HAR	Test Report -NO: BM/CT/15568 Concrete Compressive Strength of RW From Sta.B0+074 to Sta.B0+082 & From Sta.B0+090 to Sta.B0+098 RHS -28 Day	Comprehensive Test	May 10, 2015	June 9, 2015	May 14, 2015	4	A
30	TEST -15-000001-HAR-030-A	HAR	Test Report -NO: BM/CT/15579 Concrete Compressive Strength / RW between station 0+067.5 to 0+075 RHS & 0+097.5 to 0+105 RHS - 28 Day	Comprehensive Test	May 10, 2015	June 9, 2015	May 14, 2015	4	A



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31	TEST -15-000001-HAR-031-A	HAR	Test Report -NO: ST/FD/15227 Density of Soil In Place (Sand Cone Method) Between Sta.B0+480 to Sta.B0+670 & From Sta.B0+860 to Sta.B0+920	Field Density	May 13, 2015	June 12, 2015	May 14, 2015	1	C
32	TEST -15-000001-HAR-031-B	HAR	Test Report -NO: ST/FD/15227 Density of Soil In Place (Sand Cone Method) Between Sta.B0+480 to Sta.B0+670 & From Sta.B0+860 to Sta.B0+920	Field Density	May 20, 2015	June 19, 2015	May 26, 2015	6	A
33	TEST -15-000001-HAR-032-A	HAR	Test Report -NO: ST/FD/15212 Density of Soil In Place (Sand Cone Method)First Layer Between Sta.B0+480 to Sta.B0+680	Field Density	May 13, 2015	June 12, 2015	May 14, 2015	1	C
34	TEST -15-000001-HAR-032-B	HAR	Test Report -NO: ST/FD/15212 Density of Soil In Place (Sand Cone Method)First Layer Between Sta.B0+480 to Sta.B0+680	Field Density	May 20, 2015	June 19, 2015	May 26, 2015	6	A
35	TEST -15-000001-HAR-033-A	HAR	Test Report -NO: BM/CT/15664 Concrete Compressive Strength / RW between station 0+060 to 0+067.5RHS & 0+195 to 0+202.5 RHS - 7 Days	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
36	TEST -15-000001-HAR-034-A	HAR	Test Report -NO: BM/CT/15592 Concrete Compressive Strength / RW between station 0+105 to 0+112.8 RHS - 28 Day	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
37	TEST -15-000001-HAR-035-A	HAR	Test Report -NO: BM/CT/15594 Concrete Compressive Strength / RW between station 0+112.8 to 0+120 RHS - 28 Day	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
38	TEST -15-000001-HAR-036-A	HAR	Test Report -NO: BM/CT/15601 Concrete Compressive Strength / RW between station Sta.B0+120 to Sta.B0+127.5 & From Sta.B0+135 to Sta.B0+142.5 RHS - 28 Day	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
39	TEST -15-000001-HAR-037-A	HAR	Test Report -NO: BM/CT/15652 Concrete Compressive Strength / RW between station Sta.B0+217.5 to Sta.B0+230 - 7 Days	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
40	TEST -15-000001-HAR-038-A	HAR	Test Report -NO: BM/CT/15643 Concrete Compressive Strength / RW between station Sta.B0+202.5 to Sta.B0+217.5 - 7 Days	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
41	TEST -15-000001-HAR-039-A	HAR	Test Report -NO: BM/CT/15635 Concrete Compressive Strength / RW between station Sta.B0+180 to Sta.B0+195 - 7 Days	Comprehensive Test	May 13, 2015	June 12, 2015	May 14, 2015	1	A
42	TEST -15-000001-HAR-040-A	HAR	Test Report -NO: ST/FD/15260 Field Density Test - Fill Material / Selected Imported Material From Sta.B0+480 to Sta.B0+680 & From Sta.B0+680 to Sta.B0+710	Sand Cone Method	May 20, 2015	June 19, 2015	May 26, 2015	6	A
43	TEST -15-000001-HAR-041-A	HAR	Test Report -NO: ST/FD/15269 Field Density Test - Fill Materials / First Layer at Sta.B0+270 RHS	Sand Cone Method	May 20, 2015	June 19, 2015	May 26, 2015	6	A
44	TEST -15-000001-HAR-042-A	HAR	Test Report -NO: ST/FD/15269 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+620M	Sand Cone Method	May 20, 2015	June 19, 2015	May 26, 2015	6	A
45	TEST -15-000001-HAR-043-A	HAR	Test Report -NO: ST/FD/15279 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+725 RHS and From Sta.B0+940 to Sta.B0+998	Sand Cone Method	May 20, 2015	June 19, 2015	May 26, 2015	6	C



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46	TEST -15-000001-HAR-043-B	HAR	Test Report -NO: ST/FD/15279 Field Density Test - Fill Materials /Selected Imported Material at Sta.B0+725 RHS and From Sta.B0+940 to Sta.B0+998	Sand Cone Method	June 3, 2015	July 3, 2015	June 8, 2015	5	A
47	TEST -15-000001-HAR-044-A	HAR	Test Report -NO: ST/15233 Selected Imported Materials / Fill Materials of Thickness 25 cm / First Layer Between Sta.B0+230 to Sta.B0+290 RHS	Sand Cone Method	May 20, 2015	June 19, 2015	May 26, 2015	6	A
48	TEST -15-000001-HAR-045-A	HAR	Test Report -NO: BM/CI/15681 Concrete Compressive Strength / RW between station Sta.B0+040 to Sta.B0+060 - 7 Days	Comprehensive Test	May 20, 2015	June 19, 2015	May 21, 2015	1	A
49	TEST -15-000001-HAR-046-A	HAR	Test Report -NO: BM/CI/15623 Concrete Compressive Strength / RW between station 0+150 to 0+157.5RHS & 0+165 to 0+172.5RHS - 28 Day	Comprehensive Test	May 20, 2015	June 19, 2015	May 26, 2015	6	A
50	TEST -15-000001-HAR-047-A	HAR	Test Report -NO: BM/CI/15628 Concrete Compressive Strength / RW between station 0+157.5 to 0+165 RHS & 0+172.5 to 0+180RHS - 28 Day	Comprehensive Test	May 20, 2015	June 19, 2015	May 21, 2015	1	A
51	TEST -15-000001-HAR-048-A	HAR	Test Report -NO: ST/15241 Comprehensive Test Filling Layer / Plate Sample From Sta.B0+480 Sta.B0+980	Comprehensive Test	May 20, 2015	June 19, 2015	May 21, 2015	1	A
52	TEST -15-000001-HAR-049-A	HAR	Test Report -NO: ST/15248 Excavated Material of Segment A From Sta.A0+210 to Sta.A1+056	Size Distribution	May 20, 2015	June 19, 2015	June 17, 2015	28	B
53	TEST -15-000001-HAR-050-A	HAR	Test Report -NO: BM/COR/15015 Water Manhole Core Strength	Concrete Core Strength	May 20, 2015	June 19, 2015	May 21, 2015	1	A
54	TEST -15-000001-HAR-051-A	HAR	Test Report -NO: ST/FD/15285 Selected Imported Materials / Fill Materials Fourth Layer Between Sta.B0+680 to Sta.B0+710 & Second Layer Between Sta.B0+710 to Sta.B0+860	Sand Cone Method	May 24, 2015	June 23, 2015	May 26, 2015	2	C
55	TEST -15-000001-HAR-051-B	HAR	Test Report -NO: ST/FD/15285 Selected Imported Materials / Fill Materials Fourth Layer Between Sta.B0+680 to Sta.B0+710 & Second Layer Between Sta.B0+710 to Sta.B0+860	Sand Cone Method	June 3, 2015	July 3, 2015	June 8, 2015	5	B
56	TEST -15-000001-HAR-052-A	HAR	Test Report -NO: BM/CI/15619 Concrete Compressive Strength / RW between station Sta.B0+127.5 to Sta.B0+135 & From Sta.B0+142.5 to Sta.B0+150 - 28 Days	Comprehensive Test	May 24, 2015	June 23, 2015	May 26, 2015	2	A
57	TEST -15-000001-HAR-053-A	HAR	Test Report -NO: BM/CI/15635 Concrete Compressive Strength / RW between station Sta.B0+180 to Sta.B0+195 - 28 Days	Comprehensive Test	May 24, 2015	June 23, 2015	May 26, 2015	2	A
58	TEST -15-000001-HAR-054-A	HAR	Test Report -NO: ST/FD/15284 Selected Imported Materials / Fill Materials First Layer Between Sta.B0+940 to Sta.B0+980	Sand Cone Method	May 24, 2015	June 23, 2015	May 26, 2015	2	A
59	TEST -15-000001-HAR-055-A	HAR	Test Report -NO: ST/FD/15222 Selected Imported Materials / Fill Materials of Thickness 20 cm / Second Layer Between Sta.B0+480 to Sta.B0+710	Sand Cone Method	May 24, 2015	June 23, 2015	May 26, 2015	2	A
60	TEST -15-000001-HAR-056-A	HAR	Test Report -NO: ST/FD/15255 Selected Imported Materials / Fill Materials of Thickness 25cm / Fourth Layer Between Sta.B0+480 to Sta.B0+680	Sand Cone Method	May 24, 2015	June 23, 2015	May 26, 2015	2	A



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61	TEST -15-000001-HAR-057-A	HAR	Test Report -NO: PLT/15001 Bearing Plate Loading Test Report of Backfill Layer Between Sta.B0+710 to Sta.B0+980	Bearing Plate	May 24, 2015	June 23, 2015	June 8, 2015	15	A
62	TEST -15-000001-HAR-058-A	HAR	Test Report -NO: BM/CT/15643 Concrete Compressive Strength / RW between station Sta.B0+202.5 to Sta.B0+217.5 - 28 Days	Comprehensive Test	May 26, 2015	June 25, 2015	June 8, 2015	13	A
63	TEST -15-000001-HAR-059-A	HAR	Test Report -NO: ST/15262 Comprehensive Test Filling Layer / Loose Sample From Sta.B0+000 Sta.B0+980	Bearing Plate	May 26, 2015	June 25, 2015	June 8, 2015	13	A
64	TEST -15-000001-HAR-060-A	HAR	Test Report -NO: ST/15268 Selected Fill Material / Fill Materials of Compacted thickness 25 cm between Station 0+680 to 0+710 fifth layer & From 0+940 to 0+980 third Layer	Sand Cone Method	May 26, 2015	June 25, 2015	June 8, 2015	13	B
65	TEST -15-000001-HAR-061-A	HAR	Test Report -NO: ST/ FD/15305 Selected Imported Fill Materials First Layer at Segment B From Sta.B0+040 to Sta.B0+230 RHS Behind RW of Width 4 m and Thickness 25 cm	Sand Cone Method	June 2, 2015	July 2, 2015	June 8, 2015	6	A
66	TEST -15-000001-HAR-062-A	HAR	Test Report -NO: ST/ FD/15312 Subgrade Materials at Segment B From Sta.B0+240 to Sta.B0+400 & From Sta.B0+430 to Sta.B0+660	Sand Cone Method	June 2, 2015	July 2, 2015	June 8, 2015	6	A
67	TEST -15-000001-HAR-063-A	HAR	Test Report -NO: BM/CT/15652 Concrete Compressive Strength / RW between station Sta.B0+217.5 to Sta.B0+230 - 28 Days	Compressive Strength	June 2, 2015	July 2, 2015	June 8, 2015	6	A
68	TEST -15-000001-HAR-064-A	HAR	Test Report -NO: BM/CT/15681 Concrete Compressive Strength / RW between station Sta.B0+040 to Sta.B0+060 - 28 Days	Compressive Strength	June 2, 2015	July 2, 2015	June 8, 2015	6	A
69	TEST -15-000001-HAR-065-A	HAR	Test Report -NO: BM/CT/15771 Concrete Compressive Strength / Footing of Manhole at Sta.A0+995 -7 Days	Compressive Strength	June 2, 2015	July 2, 2015	June 8, 2015	6	A
70	TEST -15-000001-HAR-066-A	HAR	Test Report -NO: BM/CT/15781 Concrete Compressive Strength / Footing of Manhole at Sta.A0+953 WWTP Connection and Walls of Manhole at Sta.A0+995 Qelqes Connection -7 Days	Compressive Strength	June 3, 2015	July 3, 2015	June 8, 2015	5	B
71	TEST -15-000001-HAR-067-A	HAR	Test Report -NO: ST/ FD/15319 Selected Imported Fill Materials at Segment B From Sta.B0+940 to Sta.B0+980	Sand Cone Method	June 3, 2015	July 3, 2015	June 8, 2015	5	A
72	TEST -15-000001-HAR-068-A	HAR	Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660	Comprehensive Test	June 9, 2015	July 9, 2015	June 10, 2015	1	C
73	TEST -15-000001-HAR-068-B	HAR	Test Report -NO: ST/15287 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+240 Sta.B0+660	Comprehensive Test	June 14, 2015	July 14, 2015	June 17, 2015	3	A
74	TEST -15-000001-HAR-069-A	HAR	Test Report -NO: ST/FD/15332 Sub-grade Materials-First Test and Retested Sample Between Sta.B0+070 to Sta.B0+240	Sand Cone Method	June 9, 2015	July 9, 2015	June 10, 2015	1	A
75	TEST -15-000001-HAR-070-A	HAR	Test Report -NO: ST/15290 Comprehensive Test Base Coarse Material / Loose Sample From Sta.B0+070 Sta.B0+660	Comprehensive Test	June 10, 2015	July 10, 2015	June 11, 2015	1	A



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76	TEST -15-000001-HAR-071-A	HAR	Test Report -NO: ST/ FD/15331 Selected Imported Fill Materials at Segment B From Sta.B0+950 to Sta.B0+980	Sand Cone Method	June 10, 2015	July 10, 2015	June 11, 2015	1	B
77	TEST -15-000001-HAR-072-A	HAR	Test Report -NO: BM/CI/15796 Concrete Compressive Strength / Walls of Manhole at Sta.A0+960 WWTP Connection and Slab of Manhole at Sta.A0+995 Qelqes Connection -7 Days	Compressive Strength	June 10, 2015	July 10, 2015	June 11, 2015	1	B
78	TEST -15-000001-HAR-073-A	HAR	Test Report -NO: ST/ FD/15360 Imported Fill Materials 11th layer at Segment B From Sta.B0+940 to Sta.B0+980	Sand Cone Method	June 14, 2015	July 14, 2015	June 17, 2015	3	A
79	TEST -15-000001-HAR-074-A	HAR	Test Report -NO: ST/15318Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+056	Compressive Strength	June 25, 2015	July 25, 2015	June 30, 2015	5	C
80	TEST -15-000001-HAR-074-B	HAR	Test Report -NO: ST/15318Comprehensive Test Base Coarse Material / Loose Sample From StaA0+660 Sta.A1+057	Compressive Strength	July 15, 2015	August 14, 2015	July 22, 2015	7	A
81	TEST -15-000001-HAR-075-A	HAR	Test Report -NO: ST/ FD/15392 and Retest Report -NO: ST/ FD/15395 of Sub-Grade layer at Segment A From Sta.A0+660 to Sta.A1+056	Sand Cone Method	June 25, 2015	July 25, 2015	June 29, 2015	4	A
82	TEST -15-000001-HAR-076-A	HAR	Test Report -NO: ST/ FD/15359 and Retest Report -NO: ST/ FD/15367of Sub-Grade layer at Segment B From Sta.B0+660 to Sta.B0+900	Sand Cone Method	June 25, 2015	July 25, 2015	June 29, 2015	4	A
83	TEST -15-000001-HAR-077-A	HAR	Test Report -NO: ST/15317 Modified Proctor of Sub-Grade material at segment A from sta.A0+680 TO st.A0+950	Modified Proctor	June 25, 2015	July 25, 2015	June 29, 2015	4	A
84	TEST -15-000001-HAR-078-A	HAR	Test Report -NO: ST/15319 Modified Proctor of Sub-Grade material at segment A from sta.A0+950 TO st.A1+056	Modified Proctor	June 25, 2015	July 25, 2015	June 29, 2015	4	A
85	TEST -15-000001-HAR-079-A	HAR	Test Report -NO: BM/CI/15812 Concrete Compressive Strength / Walls of Manhole WWTP Connection at St(A0+953) - 7Days	Compressive Strength	June 28, 2015	July 28, 2015	June 29, 2015	1	A
86	TEST -15-000001-HAR-080-A	HAR	Test Report -NO: ST/15311Comprehensive Test Base Coarse Material / Loose Sample From StaB0+430 Sta.B0+920	Compressive Strength	June 28, 2015	July 28, 2015	June 29, 2015	1	B
87	TEST -15-000001-HAR-081-A	HAR	Test Report -NO: ST/15331Comprehensive Test Base Coarse Material / Loose Sample From StaA0+800 Sta.A0+900.	Compressive Strength	June 30, 2015	July 30, 2015	July 14, 2015	14	A
88	TEST -15-000001-HAR-082-A	HAR	Test Report -NO: BM/CI/15895 Concrete Compressive Strength / Footing of the RW between station A0+230 toA0+257RHS-7 Day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
89	TEST -15-000001-HAR-083-A	HAR	Test Report -NO: ST/15327Comprehensive Test Base Coarse Material / Loose Sample at segment A From Sta.A0+200 to Sta.A0+670.	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	C
90	TEST -15-000001-HAR-083-B	HAR	Test Report -NO: ST/15327Comprehensive Test Base Coarse Material / Loose Sample at segment A From Sta.A0+200 to Sta.A0+670.	Compressive Strength	July 15, 2015	August 14, 2015	July 22, 2015	7	A



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91	TEST -15-000001-HAR-084-A	HAR	Test Report -NO: ST/FD/15409 Field Density Test -1st base coarse layer beneath box culvert at segment B from Sta.B0+008 to Sta.B0+040	Sand Cone Method	July 5, 2015	August 4, 2015	July 6, 2015	1	A
92	TEST -15-000001-HAR-085-A	HAR	Test Report -NO: ST/ FD/15408 Imported Fill Materials of 17th layer at Segment B From Sta.B0+920 to Sta.B0+980.	Sand Cone Method	July 5, 2015	August 4, 2015	July 6, 2015	1	A
93	TEST -15-000001-HAR-086-A	HAR	Test Report -NO: BM/CI/15771 Concrete Compressive Strength / Footing of Qelqes connection at station (A0+995)LHS-28 Day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
94	TEST -15-000001-HAR-087-A	HAR	Test Report -NO: BM/CI/15781 Concrete Compressive Strength / Footing of WWTP connection at station (A0+953)LHS and wall of Qelqes connection at station (A0+995)LHS -28 Day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
95	TEST -15-000001-HAR-088-A	HAR	Test Report -NO: BM/CI/15796 Concrete Compressive Strength / wall of WWTP connection at station (A0+960)LHS and slab of Qelqes connection at station (A0+995)LHS -28 Day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
96	TEST -15-000001-HAR-089-A	HAR	Test Report -NO: BM/CI/15812 Concrete Compressive Strength / wall of WWTP connection at station (A0+953)LHS-28 day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
97	TEST -15-000001-HAR-090-A	HAR	Test Report -NO: BM/CI/15892 Concrete Compressive Strength / Footing of the RW between station A0+206 to A0+230 RHS-7 Day	Compressive Strength	July 5, 2015	August 4, 2015	July 6, 2015	1	A
98	TEST -15-000001-HAR-091-A	HAR	Test Report -NO: ST/FD/15412 Field Density Test - 2nd base coarse layer beneath box culvert at Segment B From Sta.B0+008 to Sta.B0+040.	Sand Cone Method	July 5, 2015	August 4, 2015	July 12, 2015	7	A
99	TEST -15-000001-HAR-092-A	HAR	Test Report -NO: ST/FD/15411 Field Density Test - 18th filling layer at Segment B From Sta.B0+920 to Sta.B0+981.	Sand Cone Method	July 5, 2015	August 4, 2015	July 6, 2015	1	A
100	TEST -15-000001-HAR-093-A	HAR	Test Report -NO: ST/FD/15397Field Density Test -subgrade layer at Segment A From Sta.A0+260 to Sta.A0+670.	Sand Cone Method	July 5, 2015	August 4, 2015	July 12, 2015	7	A
101	TEST -15-000001-HAR-094-A	HAR	Test Report -NO: ST/FD/15398Field Density Test -Base of box culvert at Segment B From Sta.B0+008 to Sta.B0+040.	Sand Cone Method	July 5, 2015	August 4, 2015	July 14, 2015	9	A
102	TEST -15-000001-HAR-095-A	HAR	Test Report -NO: ST/15326 Base coarse /compacted sample, sand equivalent at Segment B From Sta.B0+430 to Sta.B0+920.	Sand Cone Method	July 5, 2015	August 4, 2015	July 6, 2015	1	A
103	TEST -15-000001-HAR-096-A	HAR	Test Report -NO: ST/15323 Modified Proctor of Sub-Grade layer at segment A from sta.A0+260 to st.A0+670.	Sand Cone Method	July 5, 2015	August 4, 2015	July 12, 2015	7	A
104	TEST -15-000001-HAR-097-A	HAR	Test Report -NO: BM/CI/15915 Concrete Compressive Strength / pipe culvert outlet structure at Sta. B0+425-7 Day	Compressive Strength	July 7, 2015	August 6, 2015	July 12, 2015	5	A
105	TEST -15-000001-HAR-098-A	HAR	Test Report -NO: ST/15343Comprehensive Test Base Coarse Material / compacted Sample at segment A From Sta.A0+600 to Sta.A0+800 and from Sta. A0+900 to Sta. A1+056.	Compressive Strength	July 7, 2015	August 6, 2015	July 14, 2015	7	A



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106	TEST -15-000001-HAR-099-A	HAR	Test Report -NO: ST/15344 Comprehensive Test Base Coarse Material / compacted Sample/ at segment A From Sta.A0+200 to Sta. A0+600 and at segment B From Sta.B0+400 to Sta.B0+430 and from Sta. B0+900 to Sta. B0+980.	Compressive Strength	July 7, 2015	August 6, 2015	July 14, 2015	7	A
107	TEST -15-000001-HAR-100-A	HAR	Test Report -NO: BM/CI/15901 Concrete Compressive Strength / RW at segment A between Sta. A 0+204 to Sta. A 0+214 RHS - 7 Day	Compressive Strength	July 9, 2015	August 8, 2015	July 14, 2015	5	A
108	TEST -15-000001-HAR-101-A	HAR	Test Report -NO: BM/CI/15917 Concrete Compressive Strength / RW at segment A between Sta. A 0+214 to Sta. A 0+222 RHS - 7 Day	Compressive Strength	July 9, 2015	August 8, 2015	July 14, 2015	5	A
109	TEST -15-000001-HAR-102-A	HAR	Test Report -NO: BM/CI/15913 Concrete Compressive Strength / RW at segment A between Sta. A 0+222 to Sta. A 0+233 RHS - 7 Day	Compressive Strength	July 9, 2015	August 8, 2015	July 14, 2015	5	A
110	TEST -15-000001-HAR-103-A	HAR	Test Report -NO: BM/CI/15927 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 7 Day	Compressive Strength	July 9, 2015	August 8, 2015	July 14, 2015	5	A
111	TEST -15-000001-HAR-104-A	HAR	Test Report -NO: ST/FD/15438 Field Density and thicknesses Test - base coarse layer at Segment A From Sta.A0+260 to Sta.A1+056.	Sand Cone Method	July 11, 2015	August 10, 2015	July 14, 2015	3	A
112	TEST -15-000001-HAR-105-A	HAR	Marshal Test Report -NO: AS/TBM/15227 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+650 to Sta.A1+056 .	Compressive Strength	July 22, 2015	August 21, 2015	July 23, 2015	1	C
113	TEST -15-000001-HAR-105-B	HAR	Marshal Test Report -NO: AS/TBM/15227 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+650 to Sta.A1+056 .	Compressive Strength	August 18, 2015	September 17, 2015	August 19, 2015	1	A
113	TEST -15-000001-HAR-106-A	HAR	Marshal Test Report -NO: AS/TBM/15226 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+270 to Sta.A0+650 .	Compressive Strength	July 22, 2015	August 21, 2015	July 23, 2015	1	C
114	TEST -15-000001-HAR-106-B	HAR	Marshal Test Report -NO: AS/TBM/15226 of 3/4"hot mix asphalt 70mm binder course/ loose sample at Segment A from Sta. A0+270 to Sta.A0+650 .	Compressive Strength	August 18, 2015	September 17, 2015	August 19, 2015	1	A
115	TEST -15-000001-HAR-107-A	HAR	Test Report -NO: BM/CI/15942 Concrete Compressive Strength / Footing of main connection at station (A0+000)LHS and and 20 cm top of water trench -7 Day	Compressive Strength	July 22, 2015	August 21, 2015	July 23, 2015	1	A
116	TEST -15-000001-HAR-108-A	HAR	Test Report -NO: ST/FD/15413 Field Density Test - 3rd base coarse layer beneath box culvert at Segment B From Sta.B0+008 to Sta.B0+040.	Sand Cone Method	July 22, 2015	August 21, 2015	July 23, 2015	1	A
117	TEST -15-000001-HAR-109-A	HAR	Test Report -NO: ST/15324 Modified Proctor of Base of box culvert at Segment B From Sta.B0+008 to Sta.B0+040.	Modified Proctor	July 22, 2015	August 21, 2015	July 23, 2015	1	A
118	TEST -15-000001-HAR-110-A	HAR	Test Report -NO: BM/CI/15934 Concrete Compressive Strength / of the RW between station A0+245 toA0+257RHS-7 Day	Compressive Strength	July 29, 2015	August 28, 2015	August 11, 2015	13	A
119	TEST -15-000001-HAR-111-A	HAR	Test Report -NO: BM/CI/15892Concrete Compressive Strength / Footing of the RW between station A0+206 toA0+230RHS-28Day	Compressive Strength	July 29, 2015	August 28, 2015	August 11, 2015	13	A



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120	TEST -15-000001-HAR-112-A	HAR	Test Report -NO: BM/CT/15895 Concrete Compressive Strength / Footing of the RW between station A0+230 to A0+257 RHS - 28 Day	Compressive Strength	July 29, 2015	August 28, 2015	August 11, 2015	13	A
121	TEST -15-000001-HAR-113-A	HAR	Test Report -NO: ST/FD/15389 Field Density Test - 14th filling layer at Segment B From Sta. B0+930 to Sta. B0+981.	Sand Cone Method	July 29, 2015	August 28, 2015	August 11, 2015	13	A
122	TEST -15-000001-HAR-114-A	HAR	Marshal Test Report -NO: AS/TBM/15248 ,AS/TBM/15249, and AS/TBM/15250 of 3/4" hot mix asphalt 70mm binder course/plate sample 40x40cm at Segment A from Sta. A0+370 to Sta. A1+056	Compressive Strength	August 3, 2015	September 2, 2015	August 11, 2015	8	A
122	TEST -15-000001-HAR-115-A	HAR	Test Report -NO: AS/COR/15100 of compacted Degree(%) 3/4" asphalt binder course layer/(Thickness and compaction) at Segment A from Sta. A0+370 to Sta. A1+056 .	Compressive Strength	August 3, 2015	September 2, 2015	August 11, 2015	8	C
123	TEST -15-000001-HAR-115-B	HAR	Test Report -NO: AS/COR/15100 of compacted Degree(%) 3/4" asphalt binder course layer/(Thickness and compaction) at Segment A from Sta. A0+370 to Sta. A1+056 .	Compressive Strength	September 22, 2015	October 22, 2015	October 1, 2015	9	A
124	TEST -15-000001-HAR-116-A	HAR	Test Report -NO: BM/CT/15985 Concrete Compressive Strength of main connection walls at station (A0+000) LHS and RW footing between station B0+008 to B0+012 RHS and LHS - 7 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
125	TEST -15-000001-HAR-117-A	HAR	Test Report -NO: BM/CT/15977 Concrete Compressive Strength of RW footing between station B0+032 to B0+042 RHS and LHS - 7 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
126	TEST -15-000001-HAR-118-A	HAR	Test Report -NO: BM/CT/15927 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 28 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
127	TEST -15-000001-HAR-119-A	HAR	Test Report -NO: BM/CT/15969 Concrete Compressive Strength / box culvert footing at segment B from Sta. 0+012 to sta. 0+032 / 7 days	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
128	TEST -15-000001-HAR-120-A	HAR	Test Report -NO: BM/CT/15901 Concrete Compressive Strength / RW at segment A between Sta. A 0+206 to Sta. A 0+214 RHS - 28 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
129	TEST -15-000001-HAR-121-A	HAR	Test Report -NO: BM/CT/15917 Concrete Compressive Strength / RW at segment A between Sta. A 0+233 to Sta. A 0+245 RHS - 28 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
130	TEST -15-000001-HAR-122-A	HAR	Test Report -NO: BM/CT/15913 Concrete Compressive Strength / RW at segment A between Sta. A 0+222 to Sta. A 0+233 RHS - 28 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
131	TEST -15-000001-HAR-123-A	HAR	Test Report -NO: BM/CT/15915 Concrete Compressive Strength / Pip Culvert footing at segment B at Sta. B 0+430 - 28 Day	Compressive Strength	August 5, 2015	September 4, 2015	August 11, 2015	6	A
132	TEST -15-000001-HAR-124-A	HAR	Test Report -NO: ST/FD/15467 Field Density Test of subgrade layer at Segment A From Sta. A0+200 to Sta. A0+260.	Sand Cone Method	August 5, 2015	September 4, 2015	August 11, 2015	6	A
133	TEST -15-000001-HAR-125-A	HAR	Test Report -NO: ST/15375 Modified Proctor test of subgrade layer at Segment A From Sta. A0+200 to Sta. A0+260.	Modified Proctor	August 5, 2015	September 4, 2015	August 11, 2015	6	A



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134	TEST -15-000001-HAR-126-A	HAR	Test Report -NO: ST/FD/15461 Field Density test of subgrade layer at Segment B From Sta.B0+900 to Sta.B0+980.	Sand Cone Method	August 5, 2015	September 4, 2015	August 11, 2015	6	A
135	TEST -15-000001-HAR-127-A	HAR	Test Report -NO: ST/15370 Modified Proctor test of subgrade layer at Segment B From Sta.B0+900 to Sta.B0+980.	Modified Proctor	August 5, 2015	September 4, 2015	August 11, 2015	6	A
136	TEST -15-000001-HAR-128-A	HAR	Test Report -NO: CP/15002 Three-edge test method (external load crushing strength) of 1500mm concrete sewer pipe.	Compressive Strength	August 10, 2015	September 9, 2015	August 11, 2015	1	A
137	TEST -15-000001-HAR-129-A	HAR	Test Report -NO: BM/CI/151010 Concrete Compressive Strength of box culvert walls at segment B from Sta. 0+020 to sta. 0+032 /7days	Compressive Strength	August 10, 2015	September 9, 2015	August 11, 2015	1	A
138	TEST -15-000001-HAR-130-A	HAR	Test Report -NO: BM/CI/15995 Concrete Compressive Strength of box culvert walls at segment B from Sta. 0+012 to sta. 0+020 /7days	Compressive Strength	August 10, 2015	September 9, 2015	August 11, 2015	1	A
139	TEST -15-000001-HAR-131-A	HAR	Test Report -NO: BM/CI/15942 Concrete Compressive Strength of main connection manhole base at station (A0+000)LHS and 20cm top of water trench-28 Day	Compressive Strength	August 10, 2015	September 9, 2015	August 11, 2015	1	A
140	TEST -15-000001-HAR-132-A	HAR	Test Report -NO: BM/CI/15934 Concrete Compressive / RW at segment A between Sta. A 0+245 to Sta. A 0+257 RHS -28 Day	Compressive Strength	August 10, 2015	September 9, 2015	August 11, 2015	1	A
141	TEST -15-000001-HAR-133-A	HAR	Test Report -NO: AS/COR/15117 of compacted Degree (%) 3/4" asphalt binder course layer/ (Thickness and compaction) at Segment A at Sta. A0+960 LHS (Retest).	Compressive Strength	August 18, 2015	September 17, 2015	August 19, 2015	1	A
142	TEST -15-000001-HAR-134-A	HAR	Marshal Test Report -NO: AS/TBM/15270 of 3/4" hot mix asphalt 70mm binder course/loose sample at Segment B from Sta. B0+240 to Sta.B0+460 .	Compressive Strength	August 18, 2015	September 17, 2015	September 2, 2015	15	C
142	TEST -15-000001-HAR-134-B	HAR	Marshal Test Report -NO: AS/TBM/15270 of 3/4" hot mix asphalt 70mm binder course/loose sample at Segment B from Sta. B0+240 to Sta.B0+460 .	Compressive Strength	September 22, 2015	October 22, 2015	October 1, 2015	9	A
143	TEST -15-000001-HAR-135-A	HAR	Test Report -NO: BM/CI/151034 Concrete Compressive Strength of pipe culvert footing at Sta. B0+920 and RW between Sta. B0+042 to Sta. B0+050 at segment B - 7Day	Compressive Strength	August 23, 2015	September 22, 2015	August 26, 2015	3	A
144	TEST -15-000001-HAR-136-A	HAR	Test Report -NO: BM/CI/151035 Concrete Compressive Strength of manholes MH(01) and MH(02) footing at segment B - 7Day	Compressive Strength	August 23, 2015	September 22, 2015	August 26, 2015	3	A
145	TEST -15-000001-HAR-137-A	HAR	Test Report -NO: BM/CI/151073 Concrete Compressive Strength of box culvert slab between station (0 +012 – 0+032) at segment B - 7Day	Compressive Strength	August 25, 2015	September 24, 2015	August 26, 2015	1	A
146	TEST -15-000001-HAR-138-A	HAR	Test Report -NO: BM/CI/15977 Concrete Compressive Strength of footing of the retaining wall between station (0+032 - 0+042)RHS & LHS / segment B - 28Day	Compressive Strength	August 25, 2015	September 24, 2015	August 26, 2015	1	A
147	TEST -15-000001-HAR-139-A	HAR	Test Report -NO: ST/15331 Comprehensive Test Base Coarse Material at segment A From Sta.A0+800 to Sta. A0+900 .	Comprehensive test	August 25, 2015	September 24, 2015	August 26, 2015	1	A



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148	TEST -15-000001-HAR-140-A	HAR	Test Report -NO: ST/FD/15493 Field Density Test - base coarse layer at segment B from Sta.B0+800 to Sta.B0+980.	Sand Cone Method	August 25, 2015	September 24, 2015	August 26, 2015	1	C
148	TEST -15-000001-HAR-140-B	HAR	Test Report -NO: ST/FD/15493 Field Density Test - base coarse layer at segment B from Sta.B0+800 to Sta.B0+980.	Sand Cone Method	September 22, 2015	October 22, 2015	October 1, 2015	9	A
149	TEST -15-000001-HAR-141-A	HAR	Test Report -NO: ST/15344 Comprehensive Test Base Coarse Material at segment A From Sta.A0+190 to Sta. A0+260 .	Comprehensive test	August 25, 2015	September 24, 2015	August 26, 2015	1	A
150	TEST -15-000001-HAR-142-A	HAR	Test Report -NO: ST/FD/15546 Field Density Test - base coarse layer at segment A from Sta.A0+200 to Sta.A0+360.	Sand Cone Method	August 31, 2015	September 30, 2015	September 2, 2015	2	A
151	TEST -15-000001-HAR-143-A	HAR	Test Report -NO: BM/COR/15026 Concrete Core Strength of 1500mm concrete sewer pipe at segment B from Sta.S0-019 to MH (14).	Core test	August 31, 2015	September 30, 2015	September 2, 2015	2	A
152	TEST -15-000001-HAR-144-A	HAR	Test Report -NO: BM/COR/15005 Absorption of 1500mm concrete sewer pipe at segment B from Sta.S0-019 to MH (14).	Absorption test	August 31, 2015	September 30, 2015	September 2, 2015	2	A
153	TEST -15-000001-HAR-145-A	HAR	Tack coat (RC) spreading Rate test report NO.AS/15284 from Sta.A0+000to Sta. A0+200 at segment A.	spreading Rate test	September 2, 2015	October 2, 2015	September 2, 2015	0	A
154	TEST -15-000001-HAR-146-A	HAR	Marshal Test Report -NO: AS/TBM/15290 of 3/4"hot mix asphalt 50mm wearing course/loose sample at Segment A from Sta. A0-020 to Sta.A0+200	Marshal Tes	September 2, 2015	October 2, 2015	September 3, 2015	1	A
155	TEST -15-000001-HAR-147-A	HAR	Marshal Test Report -NO: AS/TBM/15289 of 3/4"hot mix asphalt 70mm binder course/loose sample at Segment A from Sta. A0+200 to Sta.A0+360.	Marshal Tes	September 2, 2015	October 2, 2015	September 3, 2015	1	A
156	TEST -15-000001-HAR-148-A	HAR	Test Report -NO: TFD/15-254 Field density of base course layer from station B0+240 to station B0+981.	Sand Cone Method	September 7, 2015	October 7, 2015	September 13, 2015	6	A
157	TEST -15-000001-HAR-149-A	HAR	Field density and proctor test report NO: ST/FD/15579 and NO: ST/15456.from station B0+000 to station B0+070.	Field density	September 17, 2015	October 17, 2015	September 20, 2015	3	A
158	TEST -15-000001-HAR-150-A	HAR	Loose sample base course material /Test report NO: ST/15453. From station B0+000 to station B0+070 and from station B0+900 to station B0+980 and access at station A0+220LHS.	Sand Cone Method	September 17, 2015	October 17, 2015	September 20, 2015	3	A
159	TEST -15-000001-HAR-151-A	HAR	Test Report -NO: BM/CT/151156, BM/CT/151138, BM/CT/151113 and BM/CT/151105, Concrete Compressive Strength of sewer manhole Base MH(06), MH (07), MH(08), MH(10), MH(11) and MH(12) at segment B - 7Day	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
160	TEST -15-000001-HAR-152-A	HAR	Test Report -NO: BM/CT/151103, BM/CT/151114, BM/CT/151112, BM/CT/151176, and BM/CT/151163, Concrete Compressive Strength of sewer manhole Walls MH(01), MH (02), MH(04), MH(07), MH(08) and MH(10) at segment B - 7Day	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
161	TEST -15-000001-HAR-153-A	HAR	Compaction degree of 3/4" wearing 50 mm layer .Test report NO: AS/COR/15133. From station A0-020 to station A0+200	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A



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162	TEST -15-000001-HAR-154-A	HAR	Compaction degree of ¾" binder 70 mm layer Test report NO: AS/COR/15134. From station A0+200 to station A0+360.	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
163	TEST -15-000001-HAR-155-A	HAR	Field Density of base course layer. Test report NO: ST/FD/15578. From station B0+900 to station B0+983 and at station A0+220 LHS	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
164	TEST -15-000001-HAR-156-A	HAR	Loose sample/marshal Test report NO: AS/TBM/15289.of ¾" hot mix asphalt for 70 mm binder layer from station A0+200 to station A0+360.	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
165	TEST -15-000001-HAR-157-A	HAR	Loose sample/marshal Test report NO: AS/TBM/15290.of ¾" hot mix asphalt for 50 mm wearing layer from station A0-020 to station A0+200 and at station A0+000 intersection.	Compressive Strength	September 17, 2015	October 17, 2015	September 20, 2015	3	A
166	TEST -15-000001-HAR-158-A	HAR	Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15299. from station B0+740 to station B0+900.	Compressive Strength	September 17, 2015	October 17, 2015	September 22, 2015	5	A
167	TEST -15-000001-HAR-159-A	HAR	Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15283. from station B0+460 to station B0+740.	Compressive Strength	September 22, 2015	October 22, 2015	September 22, 2015	0	C
168	TEST -15-000001-HAR-159-B	HAR	Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15283. from station B0+460 to station B0+740.	Compressive Strength	October 7, 2015	November 6, 2015	October 11, 2015	4	A
169	TEST -15-000001-HAR-160-A	HAR	Plate sample/¾" asphalt binder 70 mm layer Test report NO: AS/TBM/15282. from station B0+240 to station B0+460.	Compressive Strength	September 22, 2015	October 22, 2015	September 22, 2015	0	A
170	TEST -15-000001-HAR-161-A	HAR	Test Report -NO: BM/CT/151080, BM/CT/151126, and BM/CT/151054, Concrete Compressive Strength of retaining walls between stations(0+008 – 0+012) RHS ,(0+032-0+040) LHS and (0+030-0+040) RHS at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
171	TEST -15-000001-HAR-162-A	HAR	Test Report -NO: BM/CT/151035, and BM/CT/151057, Concrete Compressive Strength of footing of manholes from MH (01) to MH(05) at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
172	TEST -15-000001-HAR-163-A	HAR	Test Report -NO: BM/CT/151018 slab of manhole at station (0+000) and wall of the culvert (out let) at station (0+920) at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
173	TEST -15-000001-HAR-164-A	HAR	Test Report -NO: BM/CT/151034 footing pipe culvert at station (0+920) and retaining wall between station (0+042 - 0+050) at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
174	TEST -15-000001-HAR-165-A	HAR	Test Report -NO: BM/CT/151010 box culvert wall between stations (0+020 – 0+032)at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
175	TEST -15-000001-HAR-166-A	HAR	Test Report -NO: BM/CT/151017 box culvert / internal walls between stations (0+012 – 0+030) at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
176	TEST -15-000001-HAR-167-A	HAR	Test Report -NO: BM/CT/151144 box culvert / parapet between stations (0+012 – 0+032) LHS at segment B - 7Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A



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177	TEST -15-000001-HAR-168-A	HAR	Test Report -NO: BM/CT/151073 box culvert slab between stations (0+012 – 0+032) LHS at segment B - 28Day.	Compressive Strength	September 29, 2015	October 29, 2015	October 1, 2015	2	A
178	TEST -15-000001-HAR-169-A	HAR	Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15264 Hebron WWTP Access Road Between Stations (0+460 to 0+900) at segment B &Access Road at station 0+440 LHS.	Compressive Strength	September 30, 2015	October 30, 2015	October 1, 2015	1	C
179	TEST -15-000001-HAR-169-B	HAR	Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15264 Hebron WWTP Access Road Between Stations (0+460 to 0+900) at segment B &Access Road at station 0+440 LHS.	Compressive Strength	October 7, 2015	November 6, 2015	October 11, 2015	4	A
180	TEST -15-000001-HAR-170-A	HAR	Field Density of Base Course Layer /Test Report -NO: ST/FD/15581 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B.	Compressive Strength	September 30, 2015	October 30, 2015	October 1, 2015	1	A
181	TEST -15-000001-HAR-171-A	HAR	Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15321 Hebron WWTP Access Road Between Stations (0+000 to 0+240) at segment B & Access Road at station 0+220 LHS.	Compressive Strength	September 30, 2015	October 30, 2015	October 1, 2015	1	A
182	TEST -15-000001-HAR-172-A	HAR	Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15320 Hebron WWTP Access Road Between Stations (0+455 to 0+740) at segment B.	Compressive Strength	September 30, 2015	October 30, 2015	October 1, 2015	1	A
183	TEST -15-000001-HAR-173-A	HAR	Asphalt Mix/ Loose Sample /Test Report -NO: AS/TBM/15319 Hebron WWTP Access Road Between Stations (0+900 to 0+981) at segment B.	Compressive Strength	September 30, 2015	October 30, 2015	October 1, 2015	1	A
184	TEST -15-000001-HAR-174-A	HAR	ReflectORIZED Thermoplastic Paint thickness Test report NO.AS/COR/15148.	Compressive Strength	October 6, 2015	November 5, 2015	October 7, 2015	1	A
185	TEST -15-000001-HAR-175-A	HAR	Compaction degree(%) of 3/4" asphalt 70mm binder layer NO.AS/COR/15147 from station B0+000 to B0+240 and from station B0+740 to B0+981 at segment B.	Compressive Strength	October 6, 2015	November 5, 2015	October 7, 2015	1	A
186	TEST -15-000001-HAR-176-A	HAR	Test Report -NO: BM/CT/151105, BM/CT/151113, BM/CT/151138 and BM/CT/151156, Concrete Compressive Strength of sewer manhole Base MH(06), MH (07), MH(08), MH(10), MH(11) and MH(12) at segment B - 28Day	Compressive Strength	October 6, 2015	November 5, 2015	October 7, 2015	1	A
187	TEST -15-000001-HAR-177-A	HAR	Test Report -NO: BM/CT/151103, BM/CT/151114, BM/CT/151112, BM/CT/151176, and BM/CT/151163, Concrete Compressive Strength of sewer manhole Walls MH(01), MH (02), MH(04), MH(07), MH(08) and MH(10) at segment B - 28Day	Compressive Strength	October 6, 2015	November 5, 2015	October 7, 2015	1	A
188	TEST -15-000001-HAR-178-A	HAR	Test Report -NO: BM/CT/151209, BM/CT/151197, BM/CT/151187, and BM/CT/151195, Concrete Compressive Strength of sewer manhole Walls MH(14), MH (13), MH(09), MH(12) and MH(06) at segment B - 7Day	Compressive Strength	October 6, 2015	November 5, 2015	October 7, 2015	1	A
189	TEST -15-000001-HAR-179-A	HAR	Test Report -NO: BM/CT/151217, BM/CT/151210, BM/CT/151225, and BM/CT/151233, Concrete Compressive Strength of sewer manhole Slab from MH(02) to MH(14) at segment B - 7Day	Compressive Strength	October 7, 2015	November 6, 2015	October 7, 2015	0	A
190	TEST -15-000001-HAR-180-A	HAR	Test Report -NO: BM/CT/151115, and BM/CT/151069, Concrete Compressive Strength of concrete protection from station B0+250 to B0+900 and from station A0+380 to A1+056 RHS 28Day.	Compressive Strength	October 7, 2015	November 6, 2015	October 7, 2015	0	A
191	TEST -15-000001-HAR-181-A	HAR	Test Report -NO: BM/CT/151092, BM/CT/151126 and BM/CT/151144, Concrete Compressive Strength of retaining wall parapet from station B0+012 to B0+032RHS and from station B0+008 to B0+012 RHS and box culvert parapet wall from station B0+012 to B0+032 LHS 28Day.	Compressive Strength	October 7, 2015	November 6, 2015	October 7, 2015	0	A
192	TEST -15-000001-HAR-182-A	HAR	Test Report -NO: BM/CT/151092 Concrete Compressive Strength of sewer manhole base for MH (13) and sewer manhole walls for MH (11)- 7Day.	Compressive Strength	October 7, 2015	November 6, 2015	October 7, 2015	0	A
193	TEST -15-000001-HAR-183-A	HAR	Chlorination and Bacteriological Test Reports for 2" and 4" water pipeline	Compressive Strength	October 7, 2015	November 6, 2015	October 7, 2015	0	A



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QC SUBMITTALS LOG

No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
194	TEST -15-000001-HAR-184-A	HAR	Test Report -NO: BM/CT/151246, Concrete Compressive Strength of concrete protection from station B0+000 to B0+240 LHS and from station B0+900 to B0+981 LHS 7Day.	Compressive Strength	October 8, 2015	November 7, 2015	October 11, 2015	3	A
195	TEST -15-000001-HAR-185-A	HAR	Test Report -NO: BM/CT/151179, Concrete Compressive Strength of concrete protection from station A0+260 to A0+370 RHS and intersection at station A0+000 7Day.	Compressive Strength	October 11, 2015	November 10, 2015	October 12, 2015	1	A
196	TEST -15-000001-HAR-186-A	HAR	Compaction degree(%) of ¾" asphalt 70mm binder layer NO.AS/COR/15147 from station B0+000 to B0+460 and from station B0+740 to B0+981 at segment B.	Compressive Strength	October 11, 2015	November 10, 2015	October 12, 2015	1	A
197	TEST -15-000001-HAR-187-A	HAR	Compaction degree of ¾" wearing 70 mm layer .Test report NO: AS/COR/15151. From station B0+460 to station B0+740 and at access road at station A0+230 LHS.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	B
198	TEST -15-000001-HAR-188-A	HAR	Test Report -NO: BM/CT/151210 Concrete Compressive Strength of sewer manholes slab MH (01), MH (02), MH (03) MH (04)and MH (05)- 7Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
199	TEST -15-000001-HAR-189-A	HAR	Test Report -NO: BM/CT/151176 Concrete Compressive Strength of sewer manhole MH (08) walls and MH (14) base- 28Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
200	TEST -15-000001-HAR-190-A	HAR	Test Report -NO: BM/CT/151113 Concrete Compressive Strength of sewer manhole MH (08) base and MH (09) base- 28Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
201	TEST -15-000001-HAR-191-A	HAR	Test Report -NO: BM/CT/151156 Concrete Compressive Strength of sewer manhole MH (11) base and MH (12) base and MH (05) walls- 28Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
202	TEST -15-000001-HAR-192-A	HAR	Test Report -NO: BM/CT/15954 Concrete Compressive Strength of water manhole slab at station A0+953- 28Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
203	TEST -15-000001-HAR-193-A	HAR	Test Report -NO: BM/CT/151246 Concrete Compressive Strength of concrete protection at intersection A0+000 and between station A0+015 to A0+080 LHS & RHS and between stations A0+140 to A0+830-7Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
204	TEST -15-000001-HAR-194-A	HAR	Test Report -NO: BM/CT/151156 Concrete Compressive Strength of sewer manhole MH (03) walls- 28Day.	Compressive Strength	October 12, 2015	November 11, 2015	October 12, 2015	0	A
205	TEST -15-000001-HAR-195-A	HAR	Test Report -NO: BM/CT/151210, BM/CT/151217 and BM/CT/151225 Concrete Compressive Strength of sewer manholes from MH (01) to MH (11) slab-28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 20, 2015	0	A
206	TEST -15-000001-HAR-196-A	HAR	Test Report -NO: BM/CT/151180, BM/CT/151187, BM/CT/151195, BM/CT/151197 and BM/CT/151209 Concrete Compressive Strength of sewer manholes from MH (01) to MH (03) and from MH (05) to MH (14) walls and MH(13) base-28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 20, 2015	0	A
207	TEST -15-000001-HAR-197-A	HAR	Test Report -NO: BM/CT/15985 Concrete Compressive Strength of wall of manhole (Main Connection) at Station (0+000) Segment A and Footing of retaining wall between station (0+008 to 0+012) RHS+LHS/Segment B-28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 20, 2015	0	A
208	TEST -15-000001-HAR-198-A	HAR	Test Report -NO: BM/CT/151018 Concrete Compressive Strength of slab of manhole at Station (0+000) and wall of the culvert (out let) at station (0+920) -28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 20, 2015	0	A
209	TEST -15-000001-HAR-199-A	HAR	Test Report -NO: BM/CT/151112 Concrete Compressive Strength of sewer manhole walls MH (04)- 28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 21, 2015	1	A
210	TEST -15-000001-HAR-200-A	HAR	Test Report -NO: BM/CT/151233 Concrete Compressive Strength of sewer manhole slab from MH (12) to MH (14) - 28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 21, 2015	1	A
211	TEST -15-000001-HAR-201-A	HAR	Test Report -NO: BM/CT/15664 Concrete Compressive Strength of retaining wall between stations (0+060 to 0+067.5) & (0+195 to 0+202.5) - 28Day.	Compressive Strength	October 20, 2015	November 19, 2015	October 21, 2015	1	A
212	TEST -15-000001-HAR-202-A	HAR	Test Report -NO: BM/CT/15643 and BM/CT/15652 Concrete Compressive Strength of retaining wall between stations (0+202.5 to 0+217.5) & (0+217.5 to 0+230.0) - 28Day.	Compressive Strength	October 22, 2015	November 21, 2015	October 22, 2015	0	A
213	TEST -15-000001-HAR-203-A	HAR	Test Report -NO: BM/CT/151080 and BM/CT/151054 Concrete Compressive Strength of retaining wall between stations (B0+032 to B0+042) LHS & RHS - 28Day.	Compressive Strength	October 22, 2015	November 21, 2015	October 22, 2015	0	A
214	TEST -15-000001-HAR-204-A	HAR	Test Report -NO: BM/CT/15557 Concrete Compressive Strength of retaining wall between stations (B0+082 to B0+090) RHS - 28Day.	Compressive Strength	October 22, 2015	November 21, 2015	October 22, 2015	0	A



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QC SUBMITTALS LOG

No.	Submittal No.	Project	Description	Submittal Classification	Submitted Date	Contract Due Date	Response Date	Review Days	Status
215	TEST -15-000001-HAR-205-A	HAR	Test Report -NO: BM/CT/151126 Concrete Compressive Strength of retaining wall between stations (B0+008 to B0+0120) LHS - 28Day.	Compressive Strength	October 22, 2015	November 21, 2015	October 22, 2015	0	A



Annex F:

RFI's Log for the Reporting Period



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REQUEST FOR INFORMATION LOG								
No.	RFI No.	Project	Description	Submitted Date	Contract Due Date	Response Date	Review Days	Remarks
1	RFI-HAR-15-000001-001	HAR	Replacement of the Sewer Concrete Pipes(RCP) 1500mm by Corrugated HDPE Pipes 1500mm	January 11, 2015	February 11, 2015	February 8, 2015	28	Provide Supplementary Information
2	RFI-HAR-15-000001-002	HAR	Substitution New Jersey Barriers with Steel Mini Guard	January 14, 2015	February 13, 2015	January 18, 2015	4	
3	RFI-HAR-15-000001-003	HAR	Flow control valve and related valves of QEIQES service connection chamber	February 10, 2015	March 10, 2015	March 5, 2015	23	
4	RFI-HAR-15-000001-004	HAR	Replacement of Reinforced Concrete Sewer Pipes (RCP) 1500mm by Steel Reinforced HDPE Pipes	February 19, 2015	March 19, 2015	March 1, 2015	10	Not Acceptable
5	RFI-HAR-15-000001-005	HAR	Replacement of the Sewer Concrete Pipes (RCP) 1500 mm by Corrugated HDPE Pipes 1500 mm	March 8, 2015	April 8, 2015	March 10, 2015	2	Not Acceptable
6	RFI-HAR-15-000001-006	HAR	Mechanical detail for replacement of existing chamber	May 28, 2015	June 28, 2015	June 8, 2015	11	Provide as specified on sheet P&P



Annex G:

Payments Log



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PROGRESS PAYMENT LOG										
No.	Payment No.	TO No.	Invoiced Amount	Cumulative Amount	Task Order Amount	Remaining Amount	Date Received by BV	Date Sent to USAID	Review Period (Work Days)	COR
1	Pay-15-000001-HAR-001	15-000001	\$ 93,284.00	\$ 93,284.00	\$ 2,598,705.00	\$ 2,505,421.00	February 17, 2015	February 18, 2015	1	Kamal Kasbary
2	Pay-15-000001-HAR-002	15-000001	\$ 188,519.77	\$ 281,803.77	\$ 2,598,705.00	\$ 2,316,901.23	April 15, 2015	April 16, 2015	1	Kamal Kasbary
3	Pay-15-000001-HAR-003	15-000001	\$ 198,641.05	\$ 480,444.82	\$ 2,598,705.00	\$ 2,118,260.18	May 31, 2015	May 31, 2015	0	Kamal Kasbary
4	Pay-15-000001-HAR-004	15-000001	\$ 242,750.29	\$ 723,195.11	\$ 2,598,705.00	\$ 1,875,509.89	July 15, 2015	July 15, 2015	0	Kamal Kasbary
5	Pay-15-000001-HAR-005	15-000001	\$ 634,622.04	\$ 1,357,817.15	\$ 2,598,705.00	\$ 1,240,887.85	August 17, 2015	August 20, 2015	3	Kamal Kasbary
6	Pay-15-000001-HAR-006	15-000001	\$ 403,872.13	\$ 1,761,689.28	\$ 2,598,705.00	\$ 837,015.72	September 3, 2015	September 8, 2015	5	Kamal Kasbary
7	Pay-15-000001-HAR-007	15-000001	\$ 617,324.16	\$ 2,379,013.44	\$ 2,598,705.00	\$ 219,691.56	October 18, 2015	October 19, 2015	1	Kamal Kasbary
8	Pay-15-000001-HAR-008	15-000002	\$ 140,384.18	\$ 2,519,397.62	\$ 2,598,705.00	\$ 79,307.38	December 14, 2015	December 16, 2015	2	Kamal Kasbary
9	Pay-15-000001-HAR-009	15-000002	\$ 7,145.92	\$ 2,526,543.54	\$ 2,598,705.00	\$ 72,161.46	April 20, 2016	April 27, 2016	7	Kamal Kasbary
10	Pay-15-000001-HAR-010*	15-000002	\$ 23,321.00	\$ 2,549,864.54	\$ 2,598,705.00	\$ 48,840.46				Kamal Kasbary

Note*: Final (Demobilization) Payment



Annex H:

Transmittal Log



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INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	Email-15-01-SAK-IN-001	Eligibile letter for DARB for Water,Irrigation and Sewage Supply	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	December 16, 2014
2	Email-15-01-SAK-IN-002	Eligibile letter for AVROT Industries LTD	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	December 17, 2014
3	Email-15-01-SAK-IN-003	Eligibile letter for Jeddah Industrial Commercial Corporation Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	December 17, 2014
4	Email-15-01-SAK-IN-004	NTP under Task Order AID-294-TO-15-000001 & site hand over	Shahrazad	BV	Jawdat Al Khoudary	SAK	December 17, 2014
5	Email-15-01-SAK-IN-005	TO 15-000001 HAR : Introductory Meeting _Agenda	Monther Ramadan	BV	Jawdat Al Khoudary	SAK	December 21, 2014
6	Email-15-01-SAK-IN-006	Site Hand Over	Monther Ramadan	BV	Jawdat Al Khoudary	SAK	December 21, 2014
7	Email-15-01-SAK-IN-007	Eligible letter for Good Shepherd Engineering & Computing	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	January 2, 2015
8	Email-15-01-SAK-IN-008	Draft Introductory Meeting Memo	Monther Ramadan	BV	Jawdat Al Khoudary	SAK	January 6, 2015
9	Email-15-01-SAK-IN-009	Eligibile letter for Light Electro Mechanical Contracting Company Ltd	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	January 9, 2015
10	Email-15-01-SAK-IN-010	Eligibile letter for Aamal Development and Reconstruction Co. Ltd	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	January 13, 2015
11	Email-15-01-SAK-IN-011	Key Personnel Approval under TO 15	Eric Strong	USAID	Jawdat Al Khoudary	SAK	January 15, 2015
12	Email-15-01-SAK-IN-012	Bi- Weekly Progress Meeting 1	Monther Ramadan	BV	Samir Al Khaldi	SAK	January 19, 2015
13	Email-15-01-SAK-IN-013	TO 15 000001 HAR: Project Mobilization	Monther Ramadan	BV	Samir Al Khaldi	SAK	January 19, 2015
14	Email-15-01-SAK-IN-014	Eligible letter for The Arabian European Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	January 29, 2015
15	Email-15-01-SAK-IN-015	Eligibile letter for Brothers for Technology and Computers BTC	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 3, 2015
16	Email-15-01-SAK-IN-016	Eligibile letter for Al Bushra Al Waeda Contracting Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 5, 2015
17	Email-15-01-SAK-IN-017	Eligible letter for Building Center for Materials Testing and Engineering Studies	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 5, 2015
18	Email-15-01-SAK-IN-018	TO 15-00001 HAR: Progress Meeting #002_Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	February 8, 2015
19	Email-15-01-SAK-IN-019	Re: TO 15-01 HAR: Flayer	Kamal Kasbary	USAID	Samir Al Khaldi	SAK	February 13, 2015
20	Email-15-01-SAK-IN-020	TO 15-01 HAR: Original CPM schedule Meeting	Monther Ramadan	BV	Muwafaq	SAK	February 22, 2015
21	Email-15-01-SAK-IN-021	TO 15-000001 HAR: Progress Meeting #003 _Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	February 22, 2015



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INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
22	Email-15-01-SAK-IN-022	Eligible letter for Palestinian Construction Products Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 24, 2015
23	Email-15-01-SAK-IN-023	Eligible letter for Ahlia Insurance Group AIG	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 24, 2015
24	Email-15-01-SAK-IN-024	TO 15-000001 HAR: Draft MOM No. 003	Monther Ramadan	BV	Samir Al Khaldi	SAK	February 25, 2015
25	Email-15-01-SAK-IN-025	Eligible letter for Amir Real Estate & Investment Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	February 27, 2015
26	Email-15-01-SAK-IN-026	Eligible letter for ALONIM M.M.S LTD	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 3, 2015
27	Email-15-01-SAK-IN-027	Eligible letter for S.aL Technologies Ltd	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 3, 2015
28	Email-15-01-SAK-IN-028	Eligible letter for Micro Tech Import and Marketing	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 3, 2015
29	Email-15-01-SAK-IN-029	Eligible letter for Al Haddad Investment & Steel Co	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 4, 2015
30	Email-15-01-SAK-IN-030	Re: TO 15 000001 HAR : Comments on Contractor's Monthly Report - January 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 5, 2015
31	Email-15-01-SAK-IN-031	TO 15-00001 HAR: Progress Meeting #004_Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	March 8, 2015
32	Email-15-01-SAK-IN-032	Eligible letter for Roots Infrastructure and Investment Company LTD	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 9, 2015
33	Email-15-01-SAK-IN-033	Eligible letter for Murad Jawdat Suleiman Dweik	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 9, 2015
34	Email-15-01-SAK-IN-034	Eligible letter for Al Khayat for industrial and commercial tools company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 9, 2015
35	Email-15-01-SAK-IN-035	TO 15-000001 HAR: Draft MOM No. 004	Monther Ramadan	BV	Samir Al Khaldi	SAK	March 15, 2015
36	Email-15-01-SAK-IN-036	Eligible letter for Al-Dawlah Company for Building Materials Ltd	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 17, 2015
37	Email-15-01-SAK-IN-037	Eligible letter for Amazona crushers & Contracting Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 17, 2015
38	Email-15-01-SAK-IN-038	Eligible letter for Sherket Majmoat Al Salam Elesthmerieh LTD	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 20, 2015
39	Email-15-01-SAK-IN-039	TO 15-00001 HAR: Progress Meeting #005_Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	March 22, 2015
40	Email-15-01-SAK-IN-040	RE: TO 15-01 HAR: 1500 Sewer Manhole Pipes	Derar Shkarneh	Al Manaseer Company	Muwafaq Abu Zeineh	SAK	March 22, 2015
41	Email-15-01-SAK-IN-041	TO 15 000001 HAR : Comments on Contractor's Monthly Report - February 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 24, 2015
42	Email-15-01-SAK-IN-042	TO 15-000001 HAR: Final MOM No. 005	Manal Mohammadein	BV	Sameer Al Khaldi	SAK	March 29, 2015



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INCOMING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
43	Email-15-01-SAK-IN-043	Eligible letter for Abdul Kareem Mohamad Ali Rjoob	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	March 30, 2015
44	Email-15-01-SAK-IN-044	RE: TO 15 000001 HAR: Comments on Contractor's monthly report - February 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	April 1, 2015
45	Email-15-01-SAK-IN-045	Eligible letter for Concord Express Co.	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	April 1, 2015
46	Email-15-01-SAK-IN-046	Eligible letter for Al-Tuqa Trading Co. for Building Materials	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	April 2, 2015
47	Email-15-01-SAK-IN-047	TO 15 000001 HAR: Safety Inspection Checklist	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 2, 2015
48	Email-15-01-SAK-IN-048	TO 15-000001 HAR: Progress Meeting #006 _Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 2, 2015
49	Email-15-01-SAK-IN-049	TO 15 000001 HAR: Safety Inspection Checklist	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 2, 2015
50	Email-15-01-SAK-IN-050	RE: TO 15 000001 HAR: Comments on Contractor's monthly report - February 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	April 7, 2015
51	Email-15-01-SAK-IN-051	TO 15-000001 HAR: Final MOM No. 006	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 13, 2015
52	Email-15-01-SAK-IN-052	TO 15-000001 HAR: Office Needs	Wafa Amro	BV	Muna Al Shaer	SAK	April 13, 2015
53	Email-15-01-SAK-IN-053	TO#15-01-HAR : Geo-MIS Data Audit Meeting	Hakam Al Nazer	BV	Muna Al Shaer	SAK	April 15, 2015
54	Email-15-01-SAK-IN-054	RE: TO 15 000001 HAR: Comments on Contractor's monthly report - March 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	April 17, 2015
55	Email-15-01-SAK-IN-055	TO 15-000001 HAR: Environmental Checklist	Wafa Amro	BV	Muna Al Shaer	SAK	April 19, 2015
56	Email-15-01-SAK-IN-056	TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 20, 2015
57	Email-15-01-SAK-IN-057	TO 15 000001 HAR : AS Built Drawings	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 20, 2015
58	Email-15-01-SAK-IN-058	TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 20, 2015
59	Email-15-01-SAK-IN-059	RE: TO#15-01-HAR : Geo-MIS Data Audit Meeting	Hakam Al Nazer	BV	Muna Al Shaer	SAK	April 23, 2015
60	Email-15-01-SAK-IN-060	TO 15-000001 HAR: Final MOM No. 007	Monther Ramadan	BV	Samir Al Khaldi	SAK	April 27, 2015
61	Email-15-01-SAK-IN-061	TO 15-000001 HAR: Progress Meeting #008- Agenda	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 2, 2015
62	Email-15-01-SAK-IN-062	TO 15-000001 HAR: Water Chamber Excavation Protection	Monther Ramadan	BV	Samir Khaldi	SAK	May 3, 2015
63	Email-15-01-SAK-IN-063	TO 15 000001 HAR : For Construction Copies	Monther Ramadan	BV	Samir Khaldi	SAK	May 5, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
64	Email-15-01-SAK-IN-064	TO 15 000001 HAR : Modified Road Alignment Section from sta. A0+777.91 to sta. A0+925.17	Monther Ramadan	BV	Samir Khaldi	SAK	May 5, 2015
65	Email-15-01-SAK-IN-065	TO 15-000001 HAR: Draft MOM No. 008	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 6, 2015
66	Email-15-01-SAK-IN-066	RE: TO 15 000001 HAR : For Construction Copies	Monther Ramadan	BV	Samir Khaldi	SAK	May 6, 2015
67	Email-15-01-SAK-IN-067	TO 15-000001 HAR: Final MOM No.008	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 10, 2015
68	Email-15-01-SAK-IN-068	TO 15 000001 HAR : As Built Drawing	Monther Ramadan	BV	Samir Khaldi	SAK	May 12, 2015
69	Email-15-01-SAK-IN-069	TO 15 000001 HAR : Un Closed Submittals	Monther Ramadan	BV	Samir Khaldi	SAK	May 12, 2015
70	Email-15-01-SAK-IN-070	Eligible letter for Future Iron Pipes Company (FIP)	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 12, 2015
71	Email-15-01-SAK-IN-071	Eligible letter for Al Bushra Al Jadeeda Crushers	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 13, 2015
72	Email-15-01-SAK-IN-072	Eligible letter for Systems for Mechanical Applications (SMA)	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 13, 2015
73	Email-15-01-SAK-IN-073	Eligible letter for Al Fakher Contracting Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 13, 2015
74	Email-15-01-SAK-IN-074	TO 15 000001 HAR: QC Plan for the 1,500 mm Pipes Manufacturing	Monther Ramadan	BV	Samir Khaldi	SAK	May 13, 2015
75	Email-15-01-SAK-IN-075	Eligible letter for Al Okhowah for General Trading	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 14, 2015
76	Email-15-01-SAK-IN-076	TO 15 000001 HAR : Progress Meeting # 009 Agenda	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 16, 2015
77	Email-15-01-SAK-IN-077	TO 15 000001 HAR : Un Closed Submittals	Monther Ramadan	BV	Samir Khaldi	SAK	May 19, 2015
78	Email-15-01-SAK-IN-078	TO 15 000001 HAR: Landowner Obstruction Resolved	Monther Ramadan	BV	Samir Khaldi	SAK	May 20, 2015
79	Email-15-01-SAK-IN-079	TO 15-000001 HAR: Draft MOM No. 009	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 20, 2015
80	Email-15-01-SAK-IN-080	Eligible letter for Building Center for Materials Testing and Engineering Studies	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	May 22, 2015
81	Email-15-01-SAK-IN-081	Task Order #15-00001, Safety Tool Box Meeting.	Kamal Kasbary	USAID	Samir Khaldi	SAK	May 22, 2015
82	Email-15-01-SAK-IN-082	Fwd: TO 15 000001 HAR : Comments on Contractor's Monthly Report - April 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeinah	SAK	May 22, 2015
83	Email-15-01-SAK-IN-083	TO 15 000001 HAR : Water Chamber Construction	Monther Ramadan	BV	Samir Khaldi	SAK	May 24, 2015
84	Email-15-01-SAK-IN-084	TO 15-000001 HAR: Final MOM No.009	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	May 24, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
85	Email-15-01-SAK-IN-085	TO 15 000001 HAR : Dust Mitigation Measures	Monther Ramadan	BV	Samir Khaldi	SAK	May 25, 2015
86	Email-15-01-SAK-IN-086	TO 15 000001 HAR : Sewer Pipes Manufacturing and Delivery Updates	Monther Ramadan	BV	Samir Khaldi	SAK	May 27, 2015
87	Email-15-01-SAK-IN-087	TO 15-000001 HAR: Delivered Base Course Material From Sta.B0+420 to Sta.B0+660	Karim Husary	BV	Kamal Kaspry & Monther Ramadan & Samir Al Khaldi	USAID & SAK	June 1, 2015
88	Email-15-01-SAK-IN-088	TO 15-000001 HAR: Draft Mom No .010	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 3, 2015
89	Email-15-01-SAK-IN-089	TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 7, 2015
90	Email-15-01-SAK-IN-090	TO 15 000001 HAR :Un closed Submittals	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 7, 2015
91	Email-15-01-SAK-IN-091	TO 15 000001 HAR :For Construction Copies	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 7, 2015
92	Email-15-01-SAK-IN-092	TO 15-000001 HAR: Final MOM No .010	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 8, 2015
93	Email-15-01-SAK-IN-093	RESENDING :Task Order 14-00002 & 15-000001 Site Visit	Shahrazad Al Ayaydah	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 8, 2015
94	Email-15-01-SAK-IN-094	TO 15-00001 HAR :Variation order #01 –Part 1 of 2	Shahrazad Al Ayaydah	BV	Saleem Tafesh	SAK	June 8, 2015
95	Email-15-01-SAK-IN-095	RE: TO 15-00001 HAR :Variation order #01 –Part 2 of 2	Shahrazad Al Ayaydah	BV	Saleem Tafesh	SAK	June 8, 2015
96	Email-15-01-SAK-IN-096	TO 15-00001 HAR :Relocation of Olive Trees	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 9, 2015
97	Email-15-01-SAK-IN-097	TO 15 000001 HAR :Safety Toll Box Meeting for June 2015	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 10, 2015
98	Email-15-01-SAK-IN-098	TO 15 000001 HAR :Progress Meeting #011 Agenda	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 11, 2015
99	Email-15-01-SAK-IN-099	RE:TO 15 000001 HAR :Progress Meeting #011 Agenda	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 14, 2015
100	Email-15-01-SAK-IN-100	TO 15-000001 HAR: Draft MOM No .011	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 17, 2015
101	Email-15-01-SAK-IN-101	TO 15-000001 HAR: Final MOM No .011	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 21, 2015
102	Email-15-01-SAK-IN-102	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	June 22, 2015
103	Email-15-01-SAK-IN-103	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	June 24, 2015
104	Email-15-01-SAK-IN-104	TO 15 000001 HAR :Progress Meeting #012 Agenda	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 24, 2015
105	Email-15-01-SAK-IN-105	TO 15 000001 HAR :Concrete Screed Over Pipe Crossings	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 25, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
106	Email-15-01-SAK-IN-106	TO 15 000001 HAR :Un closed Submittals	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 28, 2015
107	Email-15-01-SAK-IN-107	TO 15 000001 HAR :For Construction Copies	Monther Ramadan	BV	Samir Al Khaldi	SAK	June 28, 2015
108	Email-15-01-SAK-IN-108	TO 15 000001 HAR :Concrete Screed Over Pipeline Trench (A0+000 to A0+200)	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 28, 2015
109	Email-15-01-SAK-IN-109	TO 15 000001 HAR :Concrete Screed Over Pipeline Trench (A0+000 to A0+200)	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	June 29, 2015
110	Email-15-01-SAK-IN-110	TO 15 000001 HAR :Draft MOM No.012	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 1, 2015
111	Email-15-01-SAK-IN-111	RE:TO 15 000001 HAR: Work Stoppage at the construction of Box Culvert at St. B0+030.	Adnan Safi	BV	Saleem Tafesh	SAK	July 4, 2015
112	Email-15-01-SAK-IN-112	TO 15 000001 HAR :Final MOM No.012	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 6, 2015
113	Email-15-01-SAK-IN-113	TO 15 000001 HAR :Project Key Staff	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 6, 2015
114	Email-15-01-SAK-IN-114	TO 15 000001 HAR :Progress Meeting No 012 Follow Up.	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 6, 2015
115	Email-15-01-SAK-IN-115	RE:TASK ORDER NO : AID-294-TO-15-000001(Partial Payment Request – Payment No.04)	Kamal Kasbary	USAID	Saleem Tafesh	SAK	July 7, 2015
116	Email-15-01-SAK-IN-116	TO 15 000001 HAR :Safety Tool Box Meeting	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 8, 2015
117	Email-15-01-SAK-IN-117	TO 15 000001 HAR :Concrete Sewer Pipes Certificates.	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 8, 2015
118	Email-15-01-SAK-IN-118	TO 15 000001 HAR :Progress Meeting #013 Agenda.	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 8, 2015
119	Email-15-01-SAK-IN-119	TO- 15- 000001 HAR:Work Plan for Eid Holiday.	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 8, 2015
120	Email-15-01-SAK-IN-120	TO- 15- 000001 HAR:Work Progress.	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 9, 2015
121	Email-15-01-SAK-IN-121	RE:TO 15 000001 HAR :Base Course test Results (Segment A)	Adnan Safi	BV	Saleem Tafesh	SAK	July 10, 2015
122	Email-15-01-SAK-IN-122	TO 15 000001 HAR :Draft MOM No.013	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 14, 2015
123	Email-15-01-SAK-IN-123	Fwd: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2015	Kamal Kaspry	BV	Muwafaq Abu Zeineh	SAK	July 15, 2015
124	Email-15-01-SAK-IN-124	TO 15 000001 HAR :Final MOM No.013	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 20, 2015
125	Email-15-01-SAK-IN-125	TO 15 000001 HAR :Progress Meeting #014 Agenda.	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 23, 2015
126	Email-15-01-SAK-IN-126	TO 15 000001 HAR :SAK Completion Plan of Reamainig Activites and Sewer Pipeline Testing Method Statement	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 23, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
127	Email-15-01-SAK-IN-127	TO 15 000001 HAR :Work Progress Concern.	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 26, 2015
128	Email-15-01-SAK-IN-128	Re: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2015	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	July 27, 2015
129	Email-15-01-SAK-IN-129	Re: TO 15 000001 HAR: Comments on Contractor's Monthly Report – June 2016	Kamal Kasbary	USAID	Samir Al Khaldi	SAK	July 27, 2015
130	Email-15-01-SAK-IN-130	TO 15 000001 HAR: Work Progress Concern	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 27, 2015
131	Email-15-01-SAK-IN-131	Re: TO 15 000001 HAR: Work Progress Concern - July 2015	Adnan Safi	BV	Jawdat Al Khoudary	SAK	July 28, 2015
132	Email-15-01-SAK-IN-132	TO 15 000001 HAR: Project Key Staff	Monther Ramadan	BV	Samir Al Khaldi	SAK	July 28, 2015
133	Email-15-01-SAK-IN-133	Re: TO 15 000001 HAR: Work Progress Concern	Adnan Safi	BV	Samir Al Khaldi	SAK	July 28, 2015
134	Email-15-01-SAK-IN-134	TO 15-000001 HAR: Draft MOM NO. 014	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	July 29, 2015
135	Email-15-01-SAK-IN-135	Re: TO 15 000001 HAR: Work Progress Concern	Kamal Kasbary	USAID	Samir Al Khaldi	SAK	July 30, 2015
136	Email-15-01-SAK-IN-136	Eligible letter for Training Candidates	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	July 30, 2015
137	Email-15-01-SAK-IN-137	TO 15-000001 HAR: Final MOM No.014	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	August 2, 2015
138	Email-15-01-SAK-IN-138	TO 15 000001 HAR : For Construction Copies.	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 2, 2015
139	Email-15-01-SAK-IN-139	TO 15-000001 HAR: Monthly Updates for Submittals	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 4, 2015
140	Email-15-01-SAK-IN-140	TO 15 000001 HAR: Progress Look Ahead Plan Meeting Minutes	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	August 6, 2015
141	Email-15-01-SAK-IN-141	FW: TO 15-000001 HAR: Progress Meeting # 015 _Agenda	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 6, 2015
142	Email-15-01-SAK-IN-142	Eligible letter for Al Seweis National Co. for Distributing Fuels	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 11, 2015
143	Email-15-01-SAK-IN-143	Eligible letter for United Company for Asphalt and Public Works	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 11, 2015
144	Email-15-01-SAK-IN-144	TO 15 000001 HAR : Concrete Screed Over Electrical Cable Trench (A0+000 to A0+230)	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 11, 2015
145	Email-15-01-SAK-IN-145	TO 15-000001 HAR: Draft MOM NO. 015	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	August 12, 2015
146	Email-15-01-SAK-IN-146	TO 15-000001 HAR: Final MOM No.015	Monther Ramadan	BV	Kamal Kaspry & Samir Al Khaldi	USAID & SAK	August 17, 2015
147	Email-15-01-SAK-IN-147	Eligible letter for Abdel Aziz Sadek Abdel Aziz Ardah	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 18, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
148	Email-15-01-SAK-IN-148	Eligible letter for Shadi Abdul Salam Salem Dandeis	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 18, 2015
149	Email-15-01-SAK-IN-149	Workers Vaccination	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 18, 2015
150	Email-15-01-SAK-IN-150	TO 15 000001 HAR: CMC Comments on Progress Payment No 5	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 18, 2015
151	Email-15-01-SAK-IN-151	TO 15 000001 HAR: Sewer Manholes Construction Progress Concern	Monther Ramadan	BV	Samir Al Khaldi	SAK	August 20, 2015
152	Email-15-01-SAK-IN-152	TO 15-000001 HAR: Progress Meeting # 016 _Agenda	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	August 20, 2015
153	Email-15-01-SAK-IN-153	Eligible letter for Al Fakher Contracting Company	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 21, 2015
154	Email-15-01-SAK-IN-154	TO 15-000001 HAR: Draft MOM NO. 016	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	August 26, 2015
155	Email-15-01-SAK-IN-155	Eligible letter for Attili Company for General Contracting	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	August 27, 2015
156	Email-15-01-SAK-IN-156	TO 15-000001 HAR: Final MOM No.016	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	August 30, 2015
157	Email-15-01-SAK-IN-157	TO 15 000001 HAR : Late Submission of Daily Joint Report	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	August 30, 2015
158	Email-15-01-SAK-IN-158	TO 15-000001 HAR: Progress Meeting # 017 _Agenda	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	September 6, 2015
159	Email-15-01-SAK-IN-159	TO 15-00001 HAR: CMC Comments on Progress Payment #06	Monther Ramadan	BV	Samir Khaldi	SAK	September 6, 2015
160	Email-15-01-SAK-IN-160	Re: TO: 14-00002 & 15-000001 : Donation No. (8234)	Fouad salman	USAID	saleem Tafesh	SAK	September 8, 2015
161	Email-15-01-SAK-IN-161	RE: TO-15-00001-HAR: Alternative for DN50 Dismantling Joints	Kaled Haramy	BV	Monther Ramadan & Samir Khaldi	BV & SAK	September 10, 2015
162	Email-15-01-SAK-IN-162	01-HAR: Alternative for DN50 Dismantling Joints	Kaled Haramy	BV	Monther Ramadan & Samir Khaldi & Loay Hameed	BV & SAK	September 10, 2015
163	Email-15-01-SAK-IN-163	TO 15 000001 HAR: As Built Drawings	Monther Ramadan	BV	Samir Khaldi	SAK	September 16, 2015
164	Email-15-01-SAK-IN-164	TO 15 000001 HAR: Work Plan for Eid Holiday	Monther Ramadan	BV	Samir Khaldi	SAK	September 17, 2015
165	Email-15-01-SAK-IN-165	TO 15 000001 HAR: Test Results	Monther Ramadan	BV	Samir Khaldi	SAK	September 17, 2015
166	Email-15-01-SAK-IN-166	TO 15-000001 HAR: Final MOM No.017	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	September 17, 2015
167	Email-15-01-SAK-IN-167	RE: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern	Monther Ramadan	BV	Samir Khaldi	SAK	September 19, 2015
168	Email-15-01-SAK-IN-168	Eligible letter for Sherket Majmoat Al Salam Elesthmerieh LTD	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	September 21, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
169	Email-15-01-SAK-IN-169	Eligible letter for Al Haddad Investment & Steel Co	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	October 6, 2015
170	Email-15-01-SAK-IN-170	TO 15-00001 HAR: Hebron WWTP Access Road Project Handover Walkthrough	Monther Ramadan	BV	Kamal Kasbary & Samir Khaldi	USAID & SAK	October 8, 2015
171	Email-15-01-SAK-IN-171	Re: TO 15-00001 HAR: Hebron WWTP Access Road Project Handover Walkthrough	Kamal Kasbary	USAID	Monther Ramadan	BV	October 9, 2015
172	Email-15-01-SAK-IN-172	TO 15-00001 HAR: CMC Comments on Progress Payment #07	Monther Ramadan	BV	Samir Khaldi	SAK	October 14, 2015
173	Email-15-01-SAK-IN-173	TO 15 000001 HAR: Punch List Works	Monther Ramadan	BV	Samir Khaldi	SAK	October 15, 2015
174	Email-15-01-SAK-IN-174	Eligible letter for Training Candidates	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	November 17, 2015
175	Email-15-01-SAK-IN-175	Eligible letter for Training Candidates	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	November 19, 2015
176	Email-15-01-SAK-IN-176	Eligible letter for Training Candidates	Kamal Kasbary	USAID	Muwafaq Abu Zeineh	SAK	December 1, 2015



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No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
1	Email-15-01-SAK-OUT-001	TO 15-01HAR: Key Personnel	Jawdat Al Khoudary	SAK	Hourig Deldelian	USAID	December 21, 2014
2	Email-15-01-SAK-OUT-002	TO 15 000001 HAR: Project Mobilization	Samir Al Khaldi	SAK	Monther Ramadan	BV	January 20, 2015
3	Email-15-01-SAK-OUT-003	Task Order #15-00001, WWTP Access Road	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	January 28, 2015
4	Email-15-01-SAK-OUT-004	Flyer	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	January 31, 2015
5	Email-15-01-SAK-OUT-005	TO 15-01 HAR: January Monthly Progress Report	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	February 5, 2015
6	Email-15-01-SAK-OUT-006	TO 15-01 HAR: Start of Construction Ground Breaking	Samir Al Khaldi	SAK	BV & SAK Staff	SAK& BV	February 12, 2015
7	Email-15-01-SAK-OUT-007	TO 15-01 HAR: Original CPM schedule Meeting	Muwafaq Abu Zeineh	SAK	Monther Ramadan	BV	February 16, 2015
8	Email-15-01-SAK-OUT-008	TO 15-01 HAR: Modified Original CPM	Muwafaq Abu Zeineh	SAK	Hakam Al Nazer	BV	February 26, 2015
9	Email-15-01-SAK-OUT-009	RE: Comments on Contractor's Monthly Report - January 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	March 2, 2015
10	Email-15-01-SAK-OUT-010	RE: TO 15-01 HAR: Original CPM schedule Meeting	Muwafaq Abu Zeineh	SAK	Hakam Al Nazer	BV	March 3, 2015
11	Email-15-01-SAK-OUT-011	TO 15-01 HAR: February Monthly Progress Report	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	March 5, 2015
12	Email-15-01-SAK-OUT-012	TO 15-01 HAR: February 2015 Geo-MIS Data	Muwafaq Abu Zeineh	SAK	Monther Ramadan	BV	March 8, 2015
13	Email-15-01-SAK-OUT-013	RE: Comments on Contractor's Monthly Report - January 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	March 9, 2015
14	Email-15-01-SAK-OUT-014	TO 15-01 HAR: Off-site visit	Muwafaq Abu Zeineh	SAK	Adnan Safi	BV	March 10, 2015
15	Email-15-01-SAK-OUT-015	Saturday Schedule	Muna Al Shaer	SAK	Monther Ramadan	BV	March 19, 2015
16	Email-15-01-SAK-OUT-016	TO 15-01 HAR: 1500 Sewer Manhole Pipes	Muwafaq Abu Zeineh	SAK	Derar Shkarnah	SAK& BV	March 22, 2015
17	Email-15-01-SAK-OUT-017	Sewer Manhole Cover 60 cm	Mohamad Abu Zeineh	SAK	Fadi Fahed	Al-Haddad Steel Company	March 22, 2015
18	Email-15-01-SAK-OUT-018	TO-15-01- HAR - Saturday Schedule	Muna Al Shaer	SAK	Manal Mohammadeen	BV	March 26, 2015
19	Email-15-01-SAK-OUT-019	Sewer Manhole Cover 60 cm	Mohamad Abu Zeineh	SAK	Fadi Fahed	Al-Haddad Steel Company	March 26, 2015
20	Email-15-01-SAK-OUT-020	TO-15-01- HAR - Delay of staff	Muna Al Shaer	SAK	Monther Ramadan	BV	March 29, 2015



USAID WEST BANK/ GAZA
Local Construction Program (LCP)
CONTRACT NO.AID-294-I-13-00002
TASK ORDER NO.AID-294-TO-15-000001
Hebron WWTP Access Road



OUTGOING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
21	Email-15-01-SAK-OUT-021	TO-15-01- HAR - Delay of staff after the 4.30 PM	Muna Al Shaer	SAK	Monther Ramadan	BV	March 30, 2015
22	Email-15-01-SAK-OUT-022	TO 15-01 HAR: March Monthly Progress Report	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	April 5, 2015
23	Email-15-01-SAK-OUT-023	LCP Projects: Geo-MIS -March, 2015	Muwafaq Abu Zeineh	SAK	Hakam Al Nazer	BV	April 6, 2015
24	Email-15-01-SAK-OUT-024	Re: TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 20, 2015
25	Email-15-01-SAK-OUT-025	TO-15-01- HAR - Delay of staff after the 4.30 PM	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 9, 2015
26	Email-15-01-SAK-OUT-026	TO-15-01- HAR - Delay of staff after 04.30 P.M	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 15, 2015
27	Email-15-01-SAK-OUT-027	Re: TO#15-01-HAR : Geo-MIS Data Audit Meeting	Muwafaq Abu Zeineh	SAK	Hakam Al Nazer	BV	April 16, 2015
28	Email-15-01-SAK-OUT-028	RTO-15-01- HAR - Saturday Schedule	Muwafaq Abu Zeineh	SAK	Hakam Al Nazer	BV	April 16, 2015
29	Email-15-01-SAK-OUT-029	Re: TO 15 000005 HAR: Backfilling Over Water Line Trench- Segment A	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 20, 2015
30	Email-15-01-SAK-OUT-030	TO-15-01- HAR - Saturday Schedule	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 23, 2015
31	Email-15-01-SAK-OUT-031	TO-15-01- HAR - Delay of staff after 04.30 P.M	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 26, 2015
32	Email-15-01-SAK-OUT-032	TO-15-01- HAR - Delay of staff after 04.30 P.M	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 27, 2015
33	Email-15-01-SAK-OUT-033	TO-15-01- HAR - Thursday April 30, 2015 & Saturday May 02, 2015 Schedule	Samir Al Khaldi	SAK	Monther Ramadan	BV	April 30, 2015
34	Email-15-01-SAK-OUT-034	LCP Projects: Geo-MIS -April, 2015	Rasha Zarour	SAK	Monther Ramadan	BV	May 5, 2015
35	Email-15-01-SAK-OUT-035	TO 15-01 HAR: April Monthly Progress Report	Muwafaq Abu Zeinah	SAK	Kamal Kasbary	USAID	May 5, 2015
36	Email-15-01-SAK-OUT-036	Re: TO 15 000001 HAR : For Construction Copies	Samir Khaldi	SAK	Monther Ramadan	BV	May 6, 2015
37	Email-15-01-SAK-OUT-037	RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -April 2015	Muwafaq Abu Zeinah	SAK	Kamal Kasbary	USAID	May 25, 2015
38	Email-15-01-SAK-OUT-038	RE:FW: TO 15-01 HAR: Contractor's Monthly Report- February 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	June 3, 2015
39	Email-15-01-SAK-OUT-039	RE:TO 15-01 HAR: May Monthly Progress Report	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	June 4, 2015
40	Email-15-01-SAK-OUT-040	LCP Projects: Geo-MIS- May ,2015	Rasha Zarour	SAK	Hakam Al Nazer	BV	June 7, 2015



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OUTGOING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
41	Email-15-01-SAK-OUT-041	RE: TO 15-00001 HAR :Variation order #01 –Part 1 of 2	Saleem Tafesh	SAK	Shahrazad Al Ayaydah	BV	June 8, 2015
42	Email-15-01-SAK-OUT-042	RE: TO 15 000001 HAR: Sewer pipe HDPE Lining material Delivery Updates	Saleem Tafesh	SAK	Monther Ramadan	BV	June 10, 2015
43	Email-15-01-SAK-OUT-043	TO 15 000001 HAR :Safety Toll Box Meeting for June 2015	Samir Al Khaldi	SAK	Monther Ramadan	BV	June 13, 2015
44	Email-15-01-SAK-OUT-044	TO 15 000001 HAR :For Construction Copies	Samir Al Khaldi	SAK	Monther Ramadan	BV	June 13, 2015
45	Email-15-01-SAK-OUT-045	TO 15 000001 HAR :Un closed Submittals	Samir Al Khaldi	SAK	Monther Ramadan	BV	June 14, 2015
46	Email-15-01-SAK-OUT-046	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	June 24, 2015
47	Email-15-01-SAK-OUT-047	TASK ORDER NO : AID-294-TO-15-000001(Partial Payment Request – Payment No.04)	Saleem Tafesh	SAK	Kamal Kasbary	USAID	June 30, 2015
48	Email-15-01-SAK-OUT-048	RE: TO 15 000001 HAR: Comments on Contractor's Monthly Report – May 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	June 30, 2015
49	Email-15-01-SAK-OUT-049	TO 15 000001 HAR: Work Stoppage at the construction of Box Culvert at St. B0+030.	Saleem Tafesh	SAK	Monther Ramadan	BV	July 1, 2015
50	Email-15-01-SAK-OUT-050	LCP Projects: Geo-MIS -June, 2015	Rasha Zarour	SAK	Hakam Al Nazer	BV	July 5, 2015
51	Email-15-01-SAK-OUT-051	TO 15-01 HAR: Monthly Progress Report -June 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	July 5, 2015
52	Email-15-01-SAK-OUT-052	TO- 15- 000001 HAR :Base Course test Results (Segment A)	Saleem Tafesh	SAK	Adnan Safi	BV	July 10, 2015
53	Email-15-01-SAK-OUT-053	RE:TO- 15- 000001 HAR:Work Plan for Eid Holiday	Samir Al Khaldi	SAK	Monther Ramadan	BV	July 13, 2015
54	Email-15-01-SAK-OUT-054	RE:TO 15 000001 HAR :Base Course test Results (Segment A)	Saleem Tafesh	SAK	Monther Ramadan	BV	July 13, 2015
55	Email-15-01-SAK-OUT-055	RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -June 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	July 21, 2015
56	Email-15-01-SAK-OUT-056	RE: TO 15 000001 HAR : Work Progress Concern	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	July 27, 2015
57	Email-15-01-SAK-OUT-057	RE: TO 15 000001 HAR : Comments on Contractor's Monthly Report -June 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	July 27, 2015
58	Email-15-01-SAK-OUT-058	TO 15 000001 HAR: Project Key Staff	Saleem Tafesh	SAK	Kamal Kasbary	USAID	July 29, 2015
59	Email-15-01-SAK-OUT-059	Re: TO 15 000001 HAR: Work Progress Concern	Samir Al Khaldi	SAK	Kamal Kasbary	USAID	July 30, 2015
60	Email-15-01-SAK-OUT-060	TO 15-01 HAR: Monthly Progress Report - July 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	USAID	August 3, 2015



USAID WEST BANK/ GAZA
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OUTGOING EMAILS LOG							
No.	DCN No.	Subject	From (Author)	Organization	To (Recipient)	Organization	Sent Date
61	Email-15-01-SAK-OUT-061	LCP Projects: Geo-MIS -July, 2015	Rasha Zarour	SAK	Hakam Al Nazer	USAID	August 4, 2015
62	Email-15-01-SAK-OUT-062	Retract V.O.R No.4	Samir Al Khaldi	SAK	Monther Ramadan	BV	August 10, 2015
63	Email-15-01-SAK-OUT-063	RE: TO 15 000001 HAR: Project Key Staff	Saleem Tafesh	SAK	Kamal Kasbary	USAID	August 10, 2015
64	Email-15-01-SAK-OUT-064	LCP Projects: Geo-MIS -August, 2015	Rasha Zarour	SAK	Hakam Al Nazer	BV	September 5, 2015
65	Email-15-01-SAK-OUT-065	TO 15-01 HAR: Monthly Progress Report - August 2015	Muwafaq Abu Zeineh	SAK	Kamal Kasbary	BV	September 5, 2015
66	Email-15-01-SAK-OUT-066	TO: 14-00002 & 15-000001 : Donation No. (8234)	Saleem	SAK	Kamal Kasbary	USAID	September 8, 2015
67	Email-15-01-SAK-OUT-067	TO-15-00001-HAR: Alternative for DN50 Dismantling Joints	Samir Al Khaldi	SAK	Monther Ramadan	BV	September 9, 2015
68	Email-15-01-SAK-OUT-068	01-HAR: Alternative for DN50 Dismantling Joints	Loay Hannouch	SAK	Monther Ramadan & Samir Al Khaldi & Kaled Haramy	BV & SAK	September 10, 2015
69	Email-15-01-SAK-OUT-069	Re: TO 15 000001 HAR: Sewer Manholes Construction Progress Concern	Samir Al Khaldi	SAK	Monther Ramadan	BV & USAID	September 21, 2015
70	Email-15-01-SAK-OUT-070	TO 15 000001 HAR: Work Plan for Eid Holiday	Samir Al Khaldi	SAK	Monther Ramadan	BV & USAID	September 21, 2015
71	Email-15-01-SAK-OUT-071	TO 15-000001 HAR: Task Order Completion and Handover	Saleem Tafesh	SAK	Adnan Safi	BV	September 29, 2015
72	Email-15-01-SAK-OUT-072	LCP Projects: Geo-MIS -September, 2015	Rasha Zarour	SAK	Hakam Al Nazer	BV	October 5, 2015
73	Email-15-01-SAK-OUT-073	TO 15-01 HAR: Monthly Progress Report - September 2015	Rasha Zarour	SAK	Kamal Kasbary	USAID	October 6, 2015



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-15-000001
Hebron WWTP Access Road



CONTRACTOR LETTERS LOG

No.	Letter No.	Project	Description	Submitted Date	Organization	Organization	Remarks
LETTERS FROM CONTRACTOR TO LOCAL AUTHORITY							
1	LTR.02.SAK-LOCAL.001-A	HAR	Marking of Existing Utilities	December 30, 2014	Paltel		
2	LTR.02.SAK-LOCAL.002-A	HAR	Marking of Existing Utilities	December 30, 2014	Electrical Company		
3	LTR.02.SAK-LOCAL.003-A	HAR	Marking of Existing Utilities	December 30, 2015	Hebron Municipality		
4	LTR.02.SAK-LOCAL.004-A	HAR	Electrical Works	January 4, 2015	Hebron Municipality		
5	LTR.02.SAK-LOCAL.005-A	HAR	Traffic Control Plan	January 17, 2015	Hebron Police		
6	LTR.02.SAK-LOCAL.006-A	HAR	Vaccine to protect against hepatitis B virus	March 24, 2015	Palestinian Ministry of Health		
7	LTR.02.SAK-LOCAL.007-A	HAR	Workshop About Project to Qelqes School for Girls	April 7, 2015	Palestinian Ministry of Education - Hebron		
LETTERS FROM CONTRACTOR TO ENGINEERS							
LETTERS FROM CONTRACTOR TO USAID							



USAID WEST BANK - GAZA
Local Construction Program (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO. AID-294-TO-15-000001
Hebron WWTP Access Road



USAID LETTERS LOG						
No.	Letter No.	Project	Description	Received Date	Organization	Organization
LETTERS FROM USAID TO CONTRACTOR						
1	LTR.02.USAID-SAK.001-A	HAR	Approval for key personnel	January 15, 2015	USAID	SAK
2	LTR.02.USAID-SAK.002-A	HAR	Approval for key Personnel change order under Task Order No.AID-294-15-000001-00	August 17, 2015	USAID	SAK



Annex I:

Geo-MIS Data



USAID WEST BANK/ GAZA - LOCAL CONSTRUCTION PROGRAM

CONTRACT NO. :AID-294-I-13-00002

TASK ORDER NO.: AID-294-TO-15-000001

TASK ORDER SHORT NAME. Hebron WWTP Access Road

Temporay Job Days Summary Report



Task Order Name:
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: December 15, 2014

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD TO: October 20, 2015

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Segregation By Gender		Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			Female	Male	
November	2014						0	0			
December	2014	16.00	32.00	0.00	0.00	0.00	48.00	2.02	15.00	33.00	
January	2015	67.00	68.00	37.00	0.00	15.00	187.00	7.86	23.00	164.00	
February	2015	64.00	67.00	52.13	2.00	74.88	260.00	10.92	22.00	238.00	
March	2015	76.25	78.50	272.34	47.75	122.00	596.84	25.08	23.50	573.34	
April	2015	81.38	79.00	419.68	66.88	151.00	797.93	33.53	24.25	773.68	
The total number of persons days of employment for Office boy, Security guard, and Storage Yard Guard that are not included in previous daily joint reports (as per BV Geo MIS Audit conducted on April 16, 2015)							174	7		174	
May	2015	87.88	79.38	457.37	64.38	185.00	874.00	36.72	21.88	852.12	
June	2015	78.63	65.38	417.63	45.75	178.25	785.63	33.01	22.25	763.38	
July	2015	65.13	43.63	460.72	79.63	169.00	818.10	34.37	21.50	796.60	
August	2015	95.00	75.63	618.70	270.00	194.00	1253.323	52.661	30.125	1223.20	
September	2015	73.25	69.00	598.11	194.25	170.50	1105.113	46.43	23.00	1082.113	
Total of FY 2015		704.50	657.50	3333.67	770.63	1259.63	6899.92	289.91	226.50	6673.42	
October	2015	35.38	49.25	117.25	61.00	100.50	363.38	15.27	17.00	346.38	
November	2015										
December	2015										
January	2016										
February	2016										
March	2016										
April	2016										
May	2016										
June	2016										
July	2016										
August	2016										
September	2016										
Total of FY 2016		35.38	49.25	117.25	61.00	100.50	363.38	15.27	17.00	346.38	
Grant Total		739.88	706.75	3450.92	831.63	1360.13	7263.30	305.18	243.50	7019.80	

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
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME. Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: Dec. 15, 2014
 PERIOD TO: Dec.31, 2014

DATE	Site Staff Job Days **																				
	Worker/Classification (Hours)													Man-days*					Gender		
	Management			Engineers			Skilled labor			Unskilled labor		Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy								Security Guard
December 15, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 16, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 17, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 18, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 19, 2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December 20, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 21, 2014	8	8	0	8	8	8	0	0	0	0	0	0	0	0	2	3	0	0	0	4	1
December 22, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 23, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 24, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 25, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 26, 2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December 27, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 28, 2014	8	0	0	8	8	8	0	0	0	0	0	0	0	0	1	3	0	0	0	3	1
December 29, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 30, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
December 31, 2014	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
Total of Month	120.00	8.00	0.00	120.00	120.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	32.00	0.00	0.00	0.00	33.00	15.00

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME. Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: Jan 01, 2015

PERIOD TO: Jan 31, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

DATE	Site Staff Job Days **																				
	Worker/Classification (Hours)													Man-days*					Gender		
	Management			Engineers			Skilled labor			Unskilled labor		Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy								Security Guard
January 1, 2015	8	0	0	8	8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	1
January 2, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 3, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 4, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 5, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 6, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 7, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 8, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 9, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 10, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 11, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 12, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 13, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 14, 2015	8	8	8	8	8	8	0	0	0	0	0	0	0	0	3	3	0	0	0	5	1
January 15, 2015	8	8	8	8	8	8	0	0	0	16	0	0	8	0	3	3	2	0	1	8	1
January 16, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 17, 2015	8	8	8	8	8	8	0	0	0	8	0	0	8	0	3	3	1	0	1	7	1
January 18, 2015	8	8	8	8	8	8	0	0	0	8	0	0	8	0	3	3	1	0	1	7	1
January 19, 2015	8	8	8	8	8	8	0	8	0	8	0	0	8	0	3	3	2	0	1	8	1
January 20, 2015	8	8	8	8	8	8	0	8	0	16	0	0	8	0	3	3	3	0	1	9	1
January 21, 2015	8	8	8	8	8	8	0	32	0	8	0	0	8	0	3	3	5	0	1	11	1
January 22, 2015	8	8	8	8	8	8	0	32	0	8	0	0	8	0	3	3	5	0	1	11	1
January 23, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January 24, 2015	8	8	8	8	8	8	0	32	0	8	0	0	8	0	3	3	5	0	1	11	1
January 25, 2015	8	8	8	8	8	8	0	32	0	8	0	0	8	0	3	3	5	0	1	11	1
January 26, 2015	8	8	8	8	8	8	0	32	0	0	0	0	8	0	3	3	4	0	1	10	1
January 27, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
January 28, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
January 29, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
January 30, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	1	1	0
January 31, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
Total of Month	184.00	176.00	176.00	184.00	184.00	176.00	0.00	208.00	0.00	88.00	0.00	0.00	120.00	0.00	67.00	68.00	37.00	0.00	15.00	164.00	23.00

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME. Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: Feb. 01, 2015

PERIOD TO: Feb 28, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

DATE	Site Staff Job Days **																				
	Worker/Classification (Hours)														Man-days*					Gender	
	Management			Engineers			Skilled labor			Unskilled labor		Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy								Security Guard
February 1, 2015	8	8	0	8	8	8	0	8	0	0	0	0	8	0	2	3	1	0	1	6	1
February 2, 2015	8	8	0	8	8	8	0	8	0	0	0	0	8	0	2	3	1	0	1	6	1
February 3, 2015	8	8	0	8	8	8	0	8	0	0	0	0	8	0	2	3	1	0	1	6	1
February 4, 2015	8	8	0	8	8	8	0	8	0	0	0	0	8	0	2	3	1	0	1	6	1
February 5, 2015	8	8	0	8	8	8	0	8	0	0	0	0	8	0	2	3	1	0	1	6	1
February 6, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February 7, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
February 8, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
February 9, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	0	3	3	1	0	1	7	1
February 10, 2015	8	8	8	8	8	8	0	16	0	8	0	0	8	0	3	3	3	0	1	9	1
February 11, 2015	8	8	8	8	8	8	0	16	0	3	0	0	8	24	3	3	2	0	4	11	1
February 12, 2015	8	8	8	8	8	8	0	16	0	8	0	0	8	24	3	3	3	0	4	12	1
February 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February 14, 2015	8	8	8	8	8	8	0	24	0	8	0	0	8	24	3	3	4	0	4	13	1
February 15, 2015	8	8	8	8	8	8	0	16	0	15	0	0	8	24	3	3	4	0	4	13	1
February 16, 2015	8	8	8	0	0	8	0	8	0	10	0	0	8	24	3	1	2	0	4	10	0
February 17, 2015	8	8	8	8	8	8	0	8	0	14	0	0	8	24	3	3	3	0	4	12	1
February 18, 2015	8	8	8	8	8	8	0	8	0	12	0	0	8	24	3	3	3	0	4	12	1
February 19, 2015	8	8	8	8	8	8	0	8	0	0	0	0	8	24	3	3	1	0	4	10	1
February 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	24	0	0	0	0	4	4	0
February 21, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	24	0	0	0	0	4	4	0
February 22, 2015	8	8	8	8	8	8	0	8	0	6	0	0	8	24	3	3	2	0	4	11	1
February 23, 2015	8	8	8	8	8	8	0	8	0	16	0	0	8	24	3	3	3	0	4	12	1
February 24, 2015	8	8	8	8	8	8	0	8	0	18	0	0	8	24	3	3	3	0	4	12	1
February 25, 2015	8	8	8	8	8	8	0	8	0	18	0	0	8	7	3	3	3	0	2	10	1
February 26, 2015	8	8	8	8	8	8	0	8	0	24	8	0	8	24	3	3	4	1	4	14	1
February 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	24	0	0	0	0	4	4	0
February 28, 2015	8	8	8	8	8	8	0	8	0	25	8	0	8	24	3	3	4	1	4	14	1
Total of Month	184.00	184.00	144.00	176.00	176.00	184.00	0.00	232.00	0.00	185.00	16.00	0.00	208.00	391.00	64.00	67.00	52.13	2.00	74.88	238.00	22.00

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only , expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME. Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
Hebron Waste Water Treatment Plant Access Road

PERIOD FROM: March 01, 2015

PERIOD TO: March 31, 2015

CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

DATE	Site Staff Job Days **																				
	Worker/Classification (Hours)														Man-days*					Gender	
	Management			Engineers			Skilled labor				Unskilled labor		Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard							
March 1, 2015	8	8	8	8	8	8	0	8	0	12.00	8	0	8	24	3	3	3	1	4	13	1
March 2, 2015	8	8	8	8	0	8	0	8	0	16.98	8	0	8	24	3	2	3	1	4	13	0
March 3, 2015	8	8	8	8	0	8	0	8	0	14	8	0	8	24	3	2	3	1	4	13	0
March 4, 2015	8	8	8	8	8	8	0	8	0	12	8	0	8	24	3	3	3	1	4	13	1
March 5, 2015	8	8	8	8	8	8	0	8	0	11	8	0	8	24	3	3	2	1	4	12	1
March 6, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	3	3	0
March 7, 2015	8	8	8	8	8	8	0	8	0	2	8	0	8	24	3	3	1	1	4	11	1
March 8, 2015	8	8	8	8	8	8	0	8	0	16	8	0	8	24	3	3	3	1	4	13	1
March 9, 2015	8	0	8	8	8	8	0	8	0	16	16	0	8	24	2	3	3	2	4	13	1
March 10, 2015	8	8	6	8	8	8	0	8	0	45.99	32	0	8	24	3	3	7	4	4	19	1
March 11, 2015	8	8	8	8	8	8	0	8	0	50.96	8	0	8	24	3	3	7	1	4	17	1
March 12, 2015	8	8	8	8	8	8	0	16	0	47.95	8	0	8	24	3	3	8	1	4	18	1
March 13, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	3	3	0
March 14, 2015	8	8	8	8	0	8	0	8	0	18.99	8	0	8	24	3	2	3	1	4	13	0
March 15, 2015	8	8	8	8	8	8	0	8	0	58.64	8	0	8	24	3	3	8	1	4	18	1
March 16, 2015	8	0	8	8	8	8	0	8	0	63	8	0	8	24	2	3	9	1	4	18	1
March 17, 2015	8	8	8	8	8	8	0	32	0	53.28	8	0	8	24	3	3	11	1	4	21	1
March 18, 2015	8	8	8	8	8	8	0	64	0	56	8	0	8	24	3	3	15	1	4	25	1
March 19, 2015	8	8	8	8	8	8	0	64	24	72	24	0	8	24	3	3	20	3	4	32	1
March 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	24	0	0	0	0	4	4	0
March 21, 2015	8	8	8	8	0	8	0	56	24	72	16	0	8	24	3	2	19	2	4	30	0
March 22, 2015	8	8	8	8	8	8	0	64	0	22	16	0	8	24	3	3	11	2	4	22	1
March 23, 2015	8	8	8	8	8	8	0	56	24	48	16	0	8	24	3	3	16	2	4	27	1
March 24, 2015	8	8	8	8	8	8	0	64	24	49.98	16	0	8	24	3	3	17	2	4	28	1
March 25, 2015	8	8	8	8	8	8	0	56	16	58.96	16	0	8	24	3	3	16	2	4	27	1
March 26, 2015	8	8	8	8	8	8	0	56	24	65.94	26	0	8	24	3	3	18	3	4	30	1
March 27, 2015	0	0	0	0	0	0	0	0	0	0	0	0	8	24	0	0	0	0	4	4	0
March 28, 2015	0	8	0	8	8	8	0	64	24	51.10	24	0	8	24	1	3	17	3	4	27	1
March 29, 2015	12	8	0	12	12	12	0	56	24	43.96	36	0	8	24	3	5	15	5	4	29	2
March 30, 2015	8	8	8	8	8	8	0	56	24	64	16	0	8	24	3	3	18	2	4	29	1
March 31, 2015	8	8	8	8	8	8	0	64	0	56	16	0	8	24	3	3	15	2	4	26	1
Total of Month	212.00	200.00	198.00	220.00	188.00	220.00	0.00	872.00	208.00	1098.73	382.00	0.00	232.00	744.00	76.25	78.50	272.34	47.75	122.00	573.34	23.50

* Total Man-days = Total Hours / 8

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USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME: Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: April 01, 2015
 PERIOD TO: April 30, 2015

DATE	Site Staff Job Days **																						
	Worker/Classification (Hours)															Man-days*					Gender		
	Management			Engineers			Skilled labor					Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Inspector	Skilled Labor	Welder	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
April 1, 2015	8	8	8	8	8	8	0	0	16	0	40.0	8	0	8	24	0	3	3	7	1	4	17	1
April 2, 2015	8	8	8	8	8	8	0	0	64	0	50.0	24	0	8	24	0	3	3	14	3	4	26	1
April 3, 2015	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	24	0	0	0	0	0	3	3	0
April 4, 2015	8	8	8	8	8	8	0	0	72	24	48.0	16	0	8	24	0	3	3	18	2	4	29	1
April 5, 2015	8	8	8	8	8	8	0	0	64	0	32.0	16	0	8	24	0	3	3	12	2	4	23	1
April 6, 2015	8	8	8	8	8	8	0	0	72	0	36.0	18	0	8	24	0	3	3	14	2	4	25	1
April 7, 2015	8	8	8	8	8	8	0	9	63	0	36.0	18	0	8	24	0	3	3	14	2	4	25	1
April 8, 2015	8	8	8	8	8	8	0	9	72	0	54.0	18	0	8	24	0	3	3	17	2	4	28	1
April 9, 2015	8	8	8	8	8	8	0	9	90	0	54.0	9	0	8	24	0	3	3	19	1	4	29	1
April 10, 2015	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	24	0	0	0	0	0	3	3	0
April 11, 2015	8	8	8	8	8	8	0	0	56	0	38.0	16	0	8	24	0	3	3	12	2	4	23	1
April 12, 2015	8	8	8	8	8	8	0	0	24	0	38.0	16	0	8	24	0	3	3	8	2	4	19	1
April 13, 2015	8	8	8	8	8	8	0	0	36	0	45.0	9	0	8	24	0	3	3	10	1	4	20	1
April 14, 2015	8	8	8	8	8	8	0	0	90	0	81.0	18	0	8	24	0	3	3	21	2	4	33	1
April 15, 2015	8	8	8	8	8	8	0	8	63	0	63.0	18	0	16	24	12	3	3	17	2	7	31	1
April 16, 2015	8	8	8	8	8	8	0	8	0	0	0.0	0	0	16	24	12	3	3	1	0	7	13	1
April 17, 2015	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	12	12	0	0	0	0	3	3	0
April 18, 2015	8	8	8	8	8	8	0	8	72	0	34.8	18	0	16	24	12	3	3	14	2	7	28	1
April 19, 2015	11	8	8	11	8	8	8	0	40	0	48.0	16	0	16	24	12	3	3	12	2	7	26	1
April 20, 2015	8	8	8	8	8	8	8	0	72	0	35.0	16	0	16	24	12	3	3	14	2	7	28	1
April 21, 2015	8	8	8	8	8	8	8	0	64	0	43.8	16	0	16	24	12	3	3	14	2	7	28	1
April 22, 2015	8	8	10	10	8	8	11	0	80	8	78.0	40	0	16	24	12	3	3	22	5	7	39	1
April 23, 2015	8	8	8	8	8	8	10	0	70	0	80.3	30	0	16	24	12	3	3	20	4	7	35	1
April 24, 2015	0	0	0	0	0	0	0	0	0	0	0.0	0	0	0	12	12	0	0	0	0	3	3	0
April 25, 2015	8	8	12	12	8	8	12	0	96	8	114.51	48	0	16	24	12	4	4	29	6	7	47	1
April 26, 2015	9	9	12	12	9	9	9	0	96	16	81.99	48	0	16	24	12	4	4	25	6	7	44	1
April 27, 2015	9	9	9	9	9	9	9	0	63	24	99.0	36	0	16	24	12	3	3	24	5	7	41	1
April 28, 2015	9	9	9	9	0	9	9	0	90	0	81.0	18	0	16	24	12	3	2	23	2	7	37	0
April 29, 2015	9	9	9	9	8	9	9	0	81	0	63.0	27	0	16	24	12	3	3	19	3	7	35	1
April 30, 2015	9	9	9	9	0	9	9	0	81	0	63.0	18	0	16	24	12	3	2	19	2	7	34	0
Total of Month	216.00	213.00	222.00	225.00	194.00	213.00	102.00	51.00	1687.00	80.00	1437.40	535.00	0.00	320.00	696.00	192.00	81.38	79.00	419.68	66.88	151.00	773.68	24.25

* Total Man-days = Total Hours / 8

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USAID WEST BANK/ GAZA
 LOCAL CONSTRUCTION PROGRAM
 CONTRACT NO.: AID-294-I-13-00002
 TASK ORDER NO.: AID-294-TO-15-000001
 TASK ORDER SHORT NAME: Hebron WWTP Access Road
 Temporary Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: May 01, 2015
 PERIOD TO: May 31, 2015

DATE	Site Staff Job Days **																						
	Worker/Classification (Hours)															Man-days*					Gender		
	Management			Engineers			Skilled labor				Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Carpenter	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard								Storage Guard
May 1, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	8	12	12	0	0	0	0	4	4	0
May 2, 2015	9	9	9	9	9	9	9	81	0	0	81	24	0	16	24	12	3	3	21	3	7	37	1
May 3, 2015	9	9	9	9	9	9	9	27	0	0	83	24	0	16	24	12	3	3	15	3	7	30	1
May 4, 2015	9	9	9	9	9	9	9	36	0	0	90	16	0	16	24	12	3	3	17	2	7	31	1
May 5, 2015	9	9	9	9	0	9	9	36	0	0	81	16	0	16	24	12	3	2	16	2	7	30	0
May 6, 2015	9	9	9	9	9	9	9	36	0	0	72	18	0	16	24	12	3	3	15	2	7	29	1
May 7, 2015	9	9	9	9	4	9	9	36	0	0	108	18	0	16	24	12	3	3	19	2	7	34	1
May 8, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
May 9, 2015	9	9	9	9	9	9	9	36	18	0	93	27	0	16	24	12	3	3	20	3	7	35	1
May 10, 2015	10	9	9	10	9	9	10	40	16	0	88	30	0	16	24	12	4	4	19	4	7	35	1
May 11, 2015	9	9	9	9	0	9	9	36	0	0	56.98	27	0	16	24	12	3	2	13	3	7	28	0
May 12, 2015	9	9	9	9	9	9	9	45	0	0	99	18	0	16	24	12	3	3	19	2	7	34	1
May 13, 2015	9	9	9	9	9	9	9	36	0	0	90	27	0	16	24	12	3	3	17	3	7	32	1
May 14, 2015	9	9	9	9	9	0	9	45	16	0	108	18	0	16	24	12	3	2	22	2	7	36	1
May 15, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
May 16, 2015	9	9	9	9	0	9	9	36	16	0	108	18	0	16	24	12	3	2	21	2	7	36	0
May 17, 2015	9	9	9	9	9	9	9	36	0	0	72	18	0	16	24	12	3	3	15	2	7	29	1
May 18, 2015	9	9	9	9	9	9	9	27	0	0	72	18	0	16	24	12	3	3	14	2	7	28	1
May 19, 2015	9	9	9	9	9	9	9	27	0	0	81	18	0	16	24	12	3	3	15	2	7	29	1
May 20, 2015	9	9	9	9	9	9	9	36	0	0	81	18	0	16	24	12	3	3	16	2	7	30	1
May 21, 2015	9	9	9	9	9	9	9	36	0	0	63	18	0	16	24	12	3	3	14	2	7	28	1
May 22, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
May 23, 2015	9	9	9	9	9	9	9	27	0	0	63	18	0	16	24	12	3	3	12	2	7	27	1
May 24, 2015	9	9	9	9	9	9	9	63	0	27	90	18	0	16	24	12	3	3	24	2	7	38	1
May 25, 2015	9	9	9	9	0	9	9	36	0	54	63	18	0	16	24	12	3	2	20	2	7	35	0
May 26, 2015	9	9	9	9	9	9	9	27	0	45	81	18	0	16	24	12	3	3	20	2	7	35	1
May 27, 2015	9	9	9	9	0	9	9	36	0	36	90	18	0	16	24	12	3	2	21	2	7	36	0
May 28, 2015	9	9	9	9	0	9	9	27	0	36	81	18	0	16	24	12	3	2	19	2	7	34	0
May 29, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
May 30, 2015	9	9	9	9	9	9	0	27	0	27	90	18	0	16	24	12	3	3	18	2	7	32	1
May 31, 2015	9	9	9	9	9	9	9	27	0	27	72	18	0	16	24	12	3	3	17	2	7	31	1
Total of Month	235.00	234.00	234.00	235.00	175.00	225.00	226.00	958.00	66.00	252.00	2156.98	515.00	0.00	424.00	684.00	372.00	87.88	79.38	457.37	64.38	185.00	852.12	21.88

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME. Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: June 01, 2015
 PERIOD TO: June 30, 2015

DATE	Site Staff Job Days **																						
	Worker/Classification (Hours)															Man-days*					Gender		
	Management			Engineers			Skilled labor					Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Driver	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
June 1, 2015	9	9	9	9	9	9	9	27	0	27	81	18	0	16	24	12	3	3	18	2	7	32	1
June 2, 2015	9	9	9	9	9	9	9	63	0	0	81	18	0	16	24	12	3	3	19	2	7	34	1
June 3, 2015	9	9	9	9	9	9	9	36	0	0	90	18	0	16	24	12	3	3	17	2	7	31	1
June 4, 2015	9	9	9	9	9	9	9	36	0	0	90	18	0	16	24	12	3	3	17	2	7	31	1
June 5, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
June 6, 2015	9	9	9	9	9	9	9	36	0	0	90	18	0	16	24	12	3	3	17	2	7	31	1
June 7, 2015	9	9	9	9	0	9	9	27	0	0	90	18	0	16	24	12	3	2	16	2	7	30	0
June 8, 2015	9	9	9	9	9	9	9	27	0	0	81	18	0	16	24	12	3	3	15	2	7	29	1
June 9, 2015	9	9	9	9	9	9	9	27	0	0	90	18	0	16	24	12	3	3	16	2	7	30	1
June 10, 2015	9	9	9	9	9	9	9	36	0	0	108	18	0	16	24	12	3	3	19	2	7	34	1
June 11, 2015	9	9	9	9	0	9	9	45	0	0	108	18	0	16	24	12	3	2	20	2	7	35	0
June 12, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
June 13, 2015	9	9	9	9	9	9	9	27	0	0	108	18	0	16	24	12	3	3	18	2	7	32	1
June 14, 2015	9	9	9	9	9	9	9	36	0	0	99	18	0	16	24	12	3	3	18	2	7	32	1
June 15, 2015	9	9	9	9	9	9	9	36	0	0	90	18	0	16	24	12	3	3	17	2	7	31	1
June 16, 2015	9	9	9	9	0	9	9	36	0	0	90	18	0	16	24	12	3	2	17	2	7	31	0
June 17, 2015	9	9	9	9	9	0	9	45	0	0	90	9	0	16	24	12	3	2	18	1	7	30	1
June 18, 2015	7	7	7	0	7	7	7	28	0	0	70	7	0	14	24	12	3	2	13	1	6	24	1
June 19, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
June 20, 2015	7	7	7	7	0	7	7	28	0	0	70	7	0	14	24	12	3	2	13	1	6	25	0
June 21, 2015	7	7	7	0	7	7	7	21	0	0	70	14	0	14	24	12	3	2	12	2	6	24	1
June 22, 2015	7	7	7	0	7	7	7	21	0	0	56	7	0	14	24	12	3	2	11	1	6	21	1
June 23, 2015	7	7	7	0	7	7	7	63	0	0	63	14	0	14	24	12	3	2	17	2	6	28	1
June 24, 2015	7	7	7	0	7	7	7	70	0	0	63	14	0	14	24	12	3	2	18	2	6	29	1
June 25, 2015	7	7	7	0	7	7	7	63	0	0	49	14	0	14	24	12	3	2	15	2	6	26	1
June 26, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
June 27, 2015	0	7	7	0	7	7	7	28	0	0	42	7	0	14	24	12	2	2	10	1	6	19	1
June 28, 2015	7	7	7	0	7	7	7	70	0	0	56	7	0	14	24	12	3	2	17	1	6	27	1
June 29, 2015	7	7	7	0	7	7	7	63	0	0	42	7	0	14	24	12	3	2	14	1	6	25	1
June 30, 2015	7	7	7	0	7	7	7	70	0	0	70	7	0	14	24	12	3	2	18	1	6	29	1
Total of Month	205.00	212.00	212.00	142.00	178.00	203.00	212.00	1065.00	0.00	27.00	2037.00	366.00	0.00	394.00	672.00	360.00	78.63	65.38	417.63	45.75	178.25	763.38	22.25

* Total Man-days = Total Hours / 8

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USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME: Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khouday Co. Ltd. (SAK)

PERIOD FROM: July 01, 2015
 PERIOD TO: July 31, 2015

DATE	Site Staff Job Days **																						
	Worker/Classification (Hours)															Man-days*					Gender		
	Management			Engineers			Skilled labor					Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Carpenter	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
July 1, 2015	7	7	7	0	7	7	7	70	0	0	77	7	0	14	24	12	3	2	19	1	6	30	1
July 2, 2015	7	7	7	0	7	7	7	70	0	0	35	7	0	14	24	12	3	2	14	1	6	25	1
July 3, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 4, 2015	7	7	7	0	7	7	7	56	0	0	21	7	0	14	24	12	3	2	11	1	6	21	1
July 5, 2015	7	7	7	0	7	7	7	70	0	0	14	7	0	14	24	12	3	2	11	1	6	22	1
July 6, 2015	7	7	7	0	7	7	7	70	0	0	35	7	0	14	24	12	3	2	14	1	6	25	1
July 7, 2015	7	7	7	0	7	7	7	14	0	0	70	14	0	14	24	12	3	2	11	2	6	23	1
July 8, 2015	7	7	7	0	7	7	7	70	0	0	49	14	0	14	24	12	3	2	16	2	6	27	1
July 9, 2015	7	7	7	0	7	7	7	70	0	0	49	7	0	14	24	12	3	2	16	1	6	26	1
July 10, 2015	5					5		15			20			12	12	1	1	4	0	3	9	0	
July 11, 2015	7	7	7	0	7	7	7	70	0	0	35	7	0	14	24	12	3	2	14	1	6	25	1
July 12, 2015	7	7	7	0	7	7	7	140	0	0	140	14	0	14	24	12	3	2	36	2	6	47	1
July 13, 2015	7	7	7	0	7	7	7	56	0	0	56	14	0	14	24	12	3	2	15	2	6	26	1
July 14, 2015	7	7	7	0	7	7	7	105	0	0	63	14	0	14	24	12	3	2	22	2	6	33	1
July 15, 2015	7	7	7	0	7	7	7	105	0	0	98	14	0	14	24	12	3	2	26	2	6	38	1
July 16, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 17, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 18, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 19, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 20, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 21, 2015	9	9	9	0	9	9	9	90	0	0	81	18	0	18	24	12	3	2	23	2	7	36	1
July 22, 2015	9	9	9	0	9	9	9	108	0	0	92.88	18	0	18	24	12	3	2	26	2	7	40	1
July 23, 2015	9	9	9	0	9	9	9	108	0	0	90	18	0	18	24	12	3	2	26	2	7	39	1
July 24, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
July 25, 2015	9	9	9	0	9	9	9	108	0	0	153	18	0	18	24	12	3	2	34	2	7	47	1
July 26, 2015	9	9	9	0	9	9	9	90	0	0	99	18	72	18	24	12	3	2	25	11	7	47	1
July 27, 2015	9	9	9	0	9	9	9	90	0	0	81	9	72	18	24	12	3	2	23	10	7	44	1
July 28, 2015	9	9	9	0	9	9	9	108	0	0	88.92	9	72	18	24	12	3	2	26	10	7	47	1
July 29, 2015	9	9	9	0	9	9	9	108	0	0	100	18	72	18	24	12	3	2	27	11	7	50	1
July 30, 2015	9	9	9	0	9	9	9	90	0	0	84.98	18	72	18	24	12	3	2	23	11	7	45	1
July 31, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0	0
Total of Month	177.00	172.00	172.00	0.00	172.00	177.00	172.00	1881.00	0.00	0.00	1632.78	277.00	360.00	344.00	636.00	372.00	65.13	43.63	460.72	79.63	169.00	796.60	21.50

* Total Man-days = Total Hours / 8

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USAID WEST BANK/ GAZA
 LOCAL CONSTRUCTION PROGRAM
 CONTRACT NO. :AID-294-I-13-00002
 TASK ORDER NO.: AID-294-TO-15-000001
 TASK ORDER SHORT NAME: Hebron WWTP Access Road
 Temproary Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: August 01, 2015
 PERIOD TO: August 31, 2015

DATE	Site Staff Job Days **																						
	Worker/Classification (Hours)															Man-days*					Gender		
	Management			Engineers			Skilled labor					Unskilled labor		Other			Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Carpenter	Equipment Operator	Plagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
August 1, 2015	9	9	9	0	9	9	3	6	0	0	43.95	3	2	18	24	12	3	2	7	1	7	18	1
August 2, 2015	9	9	9	0	9	9	3	18	0	0	43.03	3	6	18	24	12	3	2	8	1	7	20	1
August 3, 2015	9	9	9	0	9	9	3	18	0	0	39	3	6	18	24	12	3	2	8	1	7	20	1
August 4, 2015	9	9	9	0	9	9	3	18	0	0	36	3	12	18	24	12	3	2	7	2	7	20	1
August 5, 2015	9	9	9	0	9	9	9	63	0	0	86.02	9	45	18	24	12	3	2	20	7	7	38	1
August 6, 2015	9	9	9	0	9	9	9	54	0	0	56.97	9	27	18	24	12	3	2	15	5	7	31	1
August 7, 2015	0	2	0	0	0	0	0	0	0	0	3	0	0	0	12	12	0	0	0	0	3	4	0
August 8, 2015	9	9	9	0	9	9	18	63	0	0	88.00	9	36	18	24	12	3	2	21	6	7	38	1
August 9, 2015	9	9	9	0	9	9	18	108	0	0	73.92	9	63	18	24	12	3	2	25	9	7	45	1
August 10, 2015	9	9	9	0	9	9	9	99	0	0	78	18	81	18	24	12	3	2	23	12	7	47	1
August 11, 2015	9	9	9	0	9	9	18	81	0	0	99.96	18	81	18	24	12	3	2	25	12	7	48	1
August 12, 2015	9	9	9	0	9	9	18	135	0	0	92	18	72	18	24	12	3	2	31	11	7	53	1
August 13, 2015	9	9	9	0	9	9	18	81	0	0	73.98	18	45	18	24	12	3	2	22	8	7	41	1
August 14, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
August 15, 2015	9	9	9	0	9	9	18	81	0	0	64	18	72	18	24	12	3	2	20	11	7	43	1
August 16, 2015	9	9	9	0	9	9	6	27	0	0	36.96	3	24	18	24	12	3	2	9	3	7	23	1
August 17, 2015	9	9	9	9	9	9	18	81	0	0	80.3	9	81	18	24	12	3	3	22	11	7	46	1
August 18, 2015	9	9	9	9	9	9	18	81	0	0	101.92	9	72	18	24	12	3	3	25	10	7	48	1
August 19, 2015	9	9	9	9	9	9	18	81	0	0	96.05	9	81	18	24	12	3	3	24	11	7	48	1
August 20, 2015	9	9	9	9	9	9	18	117	0	0	95.94	9	90	18	24	12	3	3	29	12	7	54	1
August 21, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
August 22, 2015	9	9	9	9	9	9	18	99	0	0	77.98	9	90	18	24	12	3	3	24	12	7	49	1
August 23, 2015	9	9	9	9	9	9	18	135	0	0	97.74	9	99	18	24	12	3	3	31	14	7	57	1
August 24, 2015	9	9	9	9	9	9	18	126	0	0	82.98	9	90	18	24	12	3	3	28	12	7	53	1
August 25, 2015	9	9	9	9	9	9	18	36	0	0	67.04	9	144	18	24	12	3	3	15	19	7	47	1
August 26, 2015	9	9	9	9	9	9	18	117	0	0	111.01	9	99	18	24	12	3	3	31	14	7	57	1
August 27, 2015	9	9	9	9	9	9	18	117	0	0	111.01	9	99	18	24	12	3	3	31	14	7	57	1
August 28, 2015	9	0	0	0	0	0	8	48	0	0	49.98	0	32	0	12	12	1	0	13	4	3	21	0
August 29, 2015	17	17	17	17	9	9	34	238	0	0	222.81	51	140	18	24	12	6	4	62	24	7	102	1
August 30, 2015	9	8	8	8	8	8	18	72	0	0	43	9	90	16	24	12	3	3	17	12	7	41	1
August 31, 2015	9	8	8	8	8	8	18	117	0	0	69.03	9	81	18	24	12	3	3	26	11	7	49	1
Total of Month	260.00	251.00	249.00	123.00	241.00	241.00	411.00	2317.00	0.00	0.00	2221.58	300.00	1860.00	484.00	696.00	372.00	95.00	75.63	618.70	270.00	194.00	1223.20	30.13

* Total Man-days = Total Hours / 8

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USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME: Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: September 01, 2015
 PERIOD TO: September 30, 2015

DATE	Site Staff Job Days **																Man-days*					Gender	
	Worker/Classification (Hours)																Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female
	Management			Engineers			Skilled labor				Unskilled labor		Other										
	Task Order Manager	Quality Control Manager	Safety & Envi. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Carpenter	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard	Storage Guard							
September 1, 2015	9	8	8	8	8	8	18	117	0	0	84.00	9	81	16	24	12	3	3	27	11	7	50	1
September 2, 2015	9	8	8	8	8	8	18	117	0	0	81.96	9	81	16	24	12	3	3	27	11	7	50	1
September 3, 2015	9	8	8	8	8	8	18	117	0	0	78	9	81	16	24	12	3	3	27	11	7	50	1
September 4, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 5, 2015	9	8	8	8	8	8	18	117	0	0	78.00	9	81	16	24	12	3	3	27	11	7	50	1
September 6, 2015	9	8	8	8	8	8	18	117	0	0	100.95	9	81	16	24	12	3	3	29	11	7	52	1
September 7, 2015	9	8	8	8	8	8	18	112	0	0	77.99	8	80	16	24	12	3	3	26	11	7	49	1
September 8, 2015	9	8	8	8	8	8	16	128	0	0	84.00	8	88	16	24	12	3	3	29	12	7	52	1
September 9, 2015	9	8	8	8	8	8	16	112	0	0	89.04	8	64	16	24	12	3	3	27	9	7	48	1
September 10, 2015	9	8	8	8	8	8	16	120	16	0	83.98	8	72	16	24	12	3	3	29	10	7	51	1
September 11, 2015	9	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	1	0	0	0	3	4	0
September 12, 2015	9	8	8	8	8	8	16	120	16	0	73.97	8	72	16	24	12	3	3	28	10	7	50	1
September 13, 2015	9	8	8	8	8	8	16	120	16	0	89.04	8	72	16	24	12	3	3	30	10	7	52	1
September 14, 2015	9	8	8	8	8	8	8	104	16	0	84	8	56	16	24	12	3	3	27	8	7	46	1
September 15, 2015	9	8	8	8	8	8	8	104	0	0	75	8	48	16	24	12	3	3	23	7	7	42	1
September 16, 2015	9	8	8	8	8	8	8	112	0	0	74.03	8	56	16	24	12	3	3	24	8	7	44	1
September 17, 2015	9	8	8	8	8	8	8	128	0	0	66.99	8	56	16	24	12	3	3	25	8	7	45	1
September 18, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 19, 2015	9	8	8	8	8	8	8	112	16	0	53.01	8	48	16	24	12	3	3	24	7	7	42	1
September 20, 2015	12	8	12	8	8	8	8	96	16	0	219.00	8	48	16	24	12	4	3	42	7	7	62	1
September 21, 2015	9	8	8	8	8	8	8	112	16	0	49	8	40	16	24	12	3	3	23	6	7	41	1
September 22, 2015	8	8	8	8	8	8	8	120	0	0	38.94	8	16	16	24	12	3	3	21	3	7	35	1
September 23, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 24, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 25, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 26, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
September 27, 2015	8	8	8	8	8	8	8	56	0	0	24.00	8	16	16	24	12	3	3	11	3	7	26	1
September 28, 2015	8	8	8	8	8	8	8	104	16	0	39.00	8	40	16	24	12	3	3	21	6	7	38	1
September 29, 2015	8	8	8	8	8	8	8	96	16	0	32.00	8	40	16	24	12	3	3	19	6	7	37	1
September 30, 2015	8	8	8	8	8	8	8	160	8	0	72	8	48	16	24	12	3	3	31	7	7	50	1
Total of Month	214.00	184.00	188.00	184.00	184.00	184.00	284.00	2601.00	152.00	0.00	1747.90	189.00	1365.00	368.00	636.00	360.00	73.25	69.00	598.11	194.25	170.50	1082.11	23.00

* Total Man-days = Total Hours / 8

** This data collection sheet is for Local (CCN) staff only, expatriate and third country national employee shall not be included.



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM
CONTRACT NO. :AID-294-I-13-00002
TASK ORDER NO.: AID-294-TO-15-000001
TASK ORDER SHORT NAME: Hebron WWTP Access Road
Temporay Job Days Report



Task Order Name:
 Hebron Waste Water Treatment Plant Access Road
 CONTRACTOR: Saqqa And Khoudary Co. Ltd. (SAK)

PERIOD FROM: October 01, 2015
 PERIOD TO: October 20, 2015

DATE	Site Staff Job Days **															Man-days*					Gender		
	Worker/Classification (Hours)															Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other	Male	Female	
	Management			Engineers			Skilled labor				Unskilled labor		Other										
	Task Order Manager	Quality Control Manager	Safety & Envt. Manager	Project Engineer	Office Engineer (F)	Surveyor	Foreman	Skilled Labor	Welder	Carpenter	Equipment Operator	Flagman	Unskilled Labor	Office Boy	Security Guard								Storage Guard
October 1, 2015	9	9	9	9	8	9	8	160	8	0	56.00	8	40	16	24	12	3	3	29	6	7	47	1
October 2, 2015	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	12	12	0	0	0	0	3	3	0
October 3, 2015	8	8	8	8	8	8	0	32	0	0	32	0	24	8	24	12	3	3	8	3	6	22	1
October 4, 2015	8	8	8	8	8	8	0	32	0	0	32	0	24	8	24	12	3	3	8	3	6	22	1
October 5, 2015	8	8	8	8	8	8	0	32	0	0	16.00	0	24	8	24	12	3	3	6	3	6	20	1
October 6, 2015	8	8	8	8	8	8	0	32	0	0	16	0	24	8	24	12	3	3	6	3	6	20	1
October 7, 2015	8	8	8	8	8	8	0	32	0	0	16.00	0	24	8	24	12	3	3	6	3	6	20	1
October 8, 2015	8	8	8	8	8	8	0	32	0	0	16.00	0	24	8	24	12	3	3	6	3	6	20	1
October 9, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
October 10, 2015	8	8	8	8	8	8	0	32	0	0	16.00	0	24	8	24	12	3	3	6	3	6	20	1
October 11, 2015	8	8	8	8	8	8	0	32	0	0	16	0	24	8	24	12	3	3	6	3	6	20	1
October 12, 2015	8	0	0	8	8	8	0	32	0	0	16	0	24	8	24	12	1	3	6	3	6	18	1
October 13, 2015	8	0	0	8	8	8	0	40	0	0	16	0	48	8	24	12	1	3	7	6	6	22	1
October 14, 2015	8	0	0	8	8	8	0	40	0	0	16	0	48	8	24	12	1	3	7	6	6	22	1
October 15, 2015	8	0	0	8	8	8	0	16	0	0	16	0	16	8	24	12	1	3	4	2	6	15	1
October 16, 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	0	0	3	3	0
October 17, 2015	8	0	0	8	8	8	0	24	0	0	0.00	0	32	8	24	12	1	3	3	4	6	16	1
October 18, 2015	8	0	0	8	8	8	0	24	0	0	8	0	32	8	24	12	1	3	4	4	6	17	1
October 19, 2015	8	0	0	8	8	0	0	16	0	0	12.00	0	24	8	24	0	1	2	4	3	4	13	1
October 20, 2015	8	0	0	8	8	0	0	8	0	0	6.00	0	24	8	24	0	1	2	2	3	4	11	1
October 21, 2015																	0	0	0	0	0	0	0
October 22, 2015																	0	0	0	0	0	0	0
October 23, 2015																	0	0	0	0	0	0	0
October 24, 2015																	0	0	0	0	0	0	0
October 25, 2015																	0	0	0	0	0	0	0
October 26, 2015																	0	0	0	0	0	0	0
October 27, 2015																	0	0	0	0	0	0	0
October 28, 2015																	0	0	0	0	0	0	0
October 29, 2015																	0	0	0	0	0	0	0
October 30, 2015																	0	0	0	0	0	0	0
October 31, 2015																	0	0	0	0	0	0	0
Total of Month	137.00	73.00	73.00	137.00	136.00	121.00	8.00	616.00	8.00	0.00	306.00	8.00	480.00	144.00	444.00	216.00	35.38	49.25	117.25	61.00	100.50	346.38	17.00

* Total Man-days = Total Hours / 8

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Annex J:

Risk Register

None encountered to date



Annex K:

Project Baseline Schedule & Project As-Built CPM Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2015												2016		
							Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
BL - TO-15-01-HAR- Hebron WWTP Access Road							11-Aug-15, BL - TO-15-01-HAR-														
Milestones							11-Aug-15, Milestones														
General Milestones							11-Aug-15, General Milestones														
A-1	Notice to Proceed (NTP)	0d	15-Dec-14*		0d	\$0.00	◆ Notice to Proceed (NTP)														
A-2	Project Completion	0d		11-Aug-15*	0d	\$0.00	◆ Project Completion														
Intermediate Milestones							11-Aug-15, Intermediate Milestones														
IA-01	Start of Mobilization	0d	15-Dec-14		9d	\$0.00	◆ Start of Mobilization														
IA-02	Finish of Mobilization	0d		15-Jan-15*	0d	\$0.00	◆ Finish of Mobilization														
IA-03	Start of Pre-Construction Submittals	0d	15-Dec-14		2d	\$0.00	◆ Start of Pre-Construction Submittals														
IA-04	Finish of Pre-Construction Submittals	0d		26-Mar-15*	0d	\$0.00	◆ Finish of Pre-Construction Submittals														
IA-05	Start of Construction Submittals	0d	15-Dec-14		6d	\$0.00	◆ Start of Construction Submittals														
IA-06	Finish of Construction Submittals	0d		08-Apr-15	125d	\$0.00	◆ Finish of Construction Submittals														
IA-07	Start of Construction at Segment A	0d	15-Mar-15		31d	\$0.00	◆ Start of Construction at Segment A														
IA-08	Finish of Construction at Segment A	0d		29-Jul-15	13d	\$0.00	◆ Finish of Construction at Segment A														
IA-09	Start of Construction at Segment B	0d	16-Feb-15		36d	\$0.00	◆ Start of Construction at Segment B														
IA-10	Finish of Construction at Segment B	0d		10-Aug-15	0d	\$0.00	◆ Finish of Construction at Segment B														
IA-20	Project Duration	178d	17-Dec-14		11-Aug-15	0d	\$0.00	◆ Project Duration													
PreConstruction Phase							26-Feb-15, PreConstruction Phase														
Mobilization							14-Jan-15, Mobilization														
MOB1000	Pre-Construction Dilapidation Survey	2d	20-Dec-14		21-Dec-14	14d	\$0.00	■ Pre-Construction Dilapidation Survey													
MOB1010	Provide, furnish and erect Temporary Project Signs	2d	06-Jan-15		11-Jan-15	3d	\$0.00	■ Provide, furnish and erect Temporary Project Signs													
MOB1020	Supply and furnish Field Office Furniture and Miscellaneous	2d	11-Jan-15		13-Jan-15	0d	\$0.00	■ Supply and furnish Field Office Furniture and Miscellaneous													
MOB1030	Supply and install Field Office Computer Systems and IT Equipments	2d	13-Jan-15		14-Jan-15	0d	\$0.00	■ Supply and install Field Office Computer Systems and IT Equipments													
MOB1040	Arrange for and erect Contractor's work and Storage Yards	9d	17-Dec-14		28-Dec-14	6d	\$0.00	■ Arrange for and erect Contractor's work and Storage Yards													
MOB1050	Moving onto the Sites of all Plant and equipments	3d	29-Dec-14		31-Dec-14	6d	\$0.00	■ Moving onto the Sites of all Plant and equipments													
MOB1060	Post OSHA-required notices and establish safety programs	2d	29-Dec-14		30-Dec-14	7d	\$0.00	■ Post OSHA-required notices and establish safety programs													
MOB1070	Installation of Temporary Facilities as per section 01500	5d	17-Dec-14		22-Dec-14	13d	\$0.00	■ Installation of Temporary Facilities as per section 01500													
MOB1080	Survey Work	5d	22-Dec-14		28-Dec-14	17d	\$0.00	■ Survey Work													
MOB1090	Mobilization Summary	18d	17-Dec-14		14-Jan-15	0d	\$93,284.00	■ Mobilization Summary													
PreConstruction Submittals							26-Feb-15, PreConstruction Submittals														
PC-SUB-010	Preparation & Submit Copy of Bank Guarantee Certificates (for record)	1d	17-Dec-14		17-Dec-14	49d	\$0.00	■ Preparation & Submit Copy of Bank Guarantee Certificates (for record)													
PC-SUB-020	Review & Approval of Bank Guarantee Certificates (for record)	21d	18-Dec-14		19-Jan-15	48d	\$0.00	■ Review & Approval of Bank Guarantee Certificates (for record)													
PC-SUB-030	Preparation & Submit Scheduling Qualification Submittal	2d	17-Dec-14		18-Dec-14*	1d	\$0.00	■ Preparation & Submit Scheduling Qualification Submittal													
PC-SUB-040	Review & Approval of Scheduling Qualification Submittal	21d	22-Dec-14		21-Jan-15	46d	\$0.00	■ Review & Approval of Scheduling Qualification Submittal													
PC-SUB-050	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	2d	20-Dec-14		21-Dec-14*	1d	\$0.00	■ Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)													
PC-SUB-060	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21d	22-Dec-14		21-Jan-15	8d	\$0.00	■ Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)													
PC-SUB-070	Preparation & Submit Submittals Schedule	2d	17-Dec-14		18-Dec-14	32d	\$0.00	■ Preparation & Submit Submittals Schedule													
PC-SUB-080	Review & Approval of Submittals Schedule	21d	21-Dec-14		20-Jan-15	30d	\$0.00	■ Review & Approval of Submittals Schedule													
PC-SUB-090	Preparation & Submit Key Staff	2d	27-Dec-14		28-Dec-14	41d	\$0.00	■ Preparation & Submit Key Staff													
PC-SUB-100	Review & Approval of Key Staff	21d	29-Dec-14		27-Jan-15	42d	\$0.00	■ Review & Approval of Key Staff													
PC-SUB-110	Preparation & Submit Project Temporary Signs	1d	27-Dec-14		27-Dec-14	4d	\$0.00	■ Preparation & Submit Project Temporary Signs													
PC-SUB-120	Review & Approval of Project Temporary Signs	6d	28-Dec-14		05-Jan-15	5d	\$0.00	■ Review & Approval of Project Temporary Signs													
PC-SUB-130	Preparation & Submit Engineer's Field Office Location and Layout	3d	17-Dec-14		20-Dec-14	0d	\$0.00	■ Preparation & Submit Engineer's Field Office Location and Layout													
PC-SUB-140	Review & Approval of Engineer's Field Office Location and Layout	11d	21-Dec-14		06-Jan-15	5d	\$0.00	■ Review & Approval of Engineer's Field Office Location and Layout													
PC-SUB-150	Preparation & Submit Field Office Furniture and Equipment Plan	3d	18-Dec-14		22-Dec-14	0d	\$0.00	■ Preparation & Submit Field Office Furniture and Equipment Plan													
PC-SUB-160	Review & Approval of Field Office Furniture and Equipment Plan	12d	22-Dec-14		11-Jan-15	0d	\$0.00	■ Review & Approval of Field Office Furniture and Equipment Plan													
PC-SUB-170	Preparation & Submit Field Office Computer Systems and Miscellaneous	2d	17-Dec-14		18-Dec-14	1d	\$0.00	■ Preparation & Submit Field Office Computer Systems and Miscellaneous													
PC-SUB-180	Review & Approval of Field Office Computer Systems and Miscellaneous	15d	21-Dec-14		12-Jan-15	0d	\$0.00	■ Review & Approval of Field Office Computer Systems and Miscellaneous													
PC-SUB-190	Preparation & Submit Quality Control Plan	10d	17-Dec-14		29-Dec-14*	9d	\$0.00	■ Preparation & Submit Quality Control Plan													
PC-SUB-200	Review & Approval of Quality Control Plan	21d	30-Dec-14		28-Jan-15	24d	\$0.00	■ Review & Approval of Quality Control Plan													

■ Actual Work
 ■ Critical Remaining Work
 ▼ Summary
■ Remaining Work
 ◆ Milestone



UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT
WEST BANK / GAZA

LOCAL CONSTRUCTION PROGRAM
(LCP)

CMC: BLACK & VEATCH

As Built CPM Schedule Submittal
Revised as per VO 03

Prepared by:



Contract No: AID-294-I-13-00002
Task Order No: AID-294-TO-15-000001

As Built Narrative report

1. Task Order Overview:

1.1. Background

The USAID West Bank and Gaza, Local Construction Program (LCP) 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.

Water Infrastructure in the West Bank suffers from years of neglect and lack of investment. The USAID Mission's Local Construction Program (LCP) focuses on the rehabilitation or construction of roads, water, wastewater, and buildings construction projects.

1.2. Project Objective

The objective of this Task Order is to provide access to the proposed Hebron Regional Waste Water Treatment Plant (WWTP) located to the south of Hebron City. The access road is a key element of this important project which will yield substantial environmental, health, and resource benefits to the people of Hebron.

1.3. Statement Of Work

The Statement of Work (SOW) is as defined in the attachments provided in Section J of this document. The following is a summary description of the project:

- Construction of an approximately 1.0 km two lane access road to the proposed Hebron WWTP including the following features:
 - ✓ Asphalted sidewalks/shoulders
 - ✓ Box culverts
 - ✓ Retaining structures
 - ✓ Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
- Rehabilitation of approximately 1.1 km of existing paved road including the following features:
 - ✓ Widening of the existing road
 - ✓ Asphalting – Milling & Overlay
- Construction of water and sewer utilities as follows:
 - ✓ 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.
 - ✓ Construction of approximately 600 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.

1.4. Variation Order

Variation Order	Impact on the CPM Schedule
<u>Variation Order No. 01</u>	
<ul style="list-style-type: none"> Changes of the Magnetic Water Flow Meters to Normal Propeller Water Flow Meters. 	<p>Impacted the project completion date due to period of procurement for Propeller Water Flow Meters. New activities were added to the original CPM schedule to reflect the above impact. Also; the cost loading for installation of new chambers was reflected.</p>
<ul style="list-style-type: none"> Changes in Road Typical Cross Section and Plan Profile for Road Segment A from Sta. A0+200 to Sta. A1+040 	<p>New activities were added to capture the new scope of work.</p>
<ul style="list-style-type: none"> New Project Definitive Quantities 	<p>Impacted the cost loading of all related activities as revised in VO 01.</p>
<u>Variation Order No. 02</u>	
<ul style="list-style-type: none"> Changes to Layout and Details for Road Section from Sta. A0-020 to Sta. A0+200 including the Intersection at Sta. 0+000. 	<p>New activities were added to capture the new scope of work.</p>
<ul style="list-style-type: none"> Construction of Concrete Ditches at Segment A and B. 	<p>Additional activities were added for new scope of work</p>
<ul style="list-style-type: none"> New Definitive Quantities. 	<p>Impacted the cost loading of all related activities as revised in VO 02.</p>
<ul style="list-style-type: none"> Time Extension. 	<p>Impacted completion date of the project.</p>
<u>Variation Order No. 03</u>	
<ul style="list-style-type: none"> Final Definitive Quantities. 	<p>Impacted the cost loading of all related activities as revised in VO 03.</p>

1.5. Overview Map



Figure 1: Hebron WWTP Access Road

2. Task Order Key Data

Task Order Name	Road Project 1, Hebron WWTP Access Road
Contract Number	AID-294-I-13-00002
Task Order Number	AID-294-TO-15-000001
Client	USAID West Bank and Gaza
Contractor	Saqqa and Khoudary Co. Ltd. (SAK)
CMC	Black and Veatch (BV)
Task Order Contract Value	\$2,598,705.00
Project Total Amount	\$2,448,705.00
Day work amount	\$150,000.00
Modified Project Total Amount	\$2,549,864.54
Modified Day work Amount	\$48,840.46
Notice To Proceed	December 15, 2014

Period Of Performance	240 calendar day
Contractual Completion Date	August 11, 2015
Approved Time Extensions	51 Calendar days
Modified Completion Date	October 01, 2015
Start of Construction (Ground Breaking)	February 12, 2015

3. Project Dashboard Status

Contract Elapsed Time as of October 01, 2015 [%] (291 Days)	100 %
Planned Percentage of Completion through October 01, 2015 [%]	100 %
Actual Percentage of Completion through October 01, 2015 [%]	100 %
Float (Days)	0 Days

4. Contract Milestones:

The contractual milestones are:

Start Milestone - Notice to Proceed: December 15, 2014

Finish Milestone - Project Completion: October 01, 2015

5. Permits

The following permits have been obtained for the work under this Task Order.

- ✓ Hebron Municipality Construction Permits.

6. Project Construction Area

- The project construction area within Areas B. Therefore; coordination needed with the District Civil Liaison Office (DCL), Civil Administration Departments, Ma'atz (Israeli National Roads Company), the Israeli Police is not required, however; SAK will coordinate with any other relevant authority or utility that has jurisdiction over any portion of the construction works. Coordination includes, but is not limited to, any work needed to obtain approvals; coordinating the movement of personnel, equipment and materials to and from the project site; and any other coordination required by the relevant authorities to ensure no hindrance of the scheduled completion of the project in a timely manner.
- Time Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

7. Traffic Control Plan

The Original CPM Schedule was built and coordinated with the traffic control plan, method statement and site restrains.

Saqqa and Khoudary - SAK will implement the approved traffic control plan prior to starting any work in the road right-of-way/easement and the traffic control plan and safety measures will be maintained during construction activities.

The project work area is located entirely in Area B, therefore; coordination is required with local councils and any other relevant authority or utility that has jurisdiction over any portion of the works.

The Traffic Control Plan as per SUB-15-00001-HAR-040-A was submitted on January 18, 2015 and was accepted by CMC on January 27, 2015. It is divided into the following phases:

1. Segment B : (STA: 0+000 to STA: 1+056)

There will be no traffic movement in the construction zone and will be totally closed and all needed traffic signs and directional signs will be provided.

2. Segment A: (STA: 0+000 to STA: 0+983)

The work will be conducted by separating the road into two sides by steel barriers (as per RFI-002) with safety net and warning's lights above them and flag men for traffic control.

Traffic during all the project construction phases and traffic will be controlled from both sides; at least one flagman at each end of the phase, in addition to one flagman at the end of the road using walkie-talkie as a handheld transceiver to communicate between each other's along with the needed traffic signs to direct the traffic.

During this reporting period, the aforementioned traffic control plan has been implemented at both segments A and B. All traffic signs, directional signs and steel barriers with warning lights were installed; furthermore three flagmen had been worked to control traffic movement.

8. Safety Program:

Saqqa and Khoudary will post OSHA-required notices and establish safety programs prior to starting any work as per the approved safety plan and stated in section C.9.2 of basic IQC Contract; protect life, property and the environment with respect to all work performed under this IQC.

Safety Plan was submitted on January 14, 2015 that consists of SAK's plan to implement and monitor safety measures before and during construction work. CMC reviewed the submittal and accepted it on February 01, 2015.

9. Period of Performance

The original period of performance for this project '**Hebron WWTP Access Road**' under this Task Order is 240 calendar days from the date of USAID's issuance of the Notice to Proceed (NTP) to the date of project completion and acceptance by USAID.

1. Task Order Constraints

All schedule constraints were incorporated in the preliminary schedule as required in executed task order section F5.

Activity Name	Constraint
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after Notice to Proceed and prior to commencement of any construction activity.

Preparation & Submit Safety Plan	Due no later than 28 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 28 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 28 days after issuance of NTP

10. SAK General approach and Work Plan

Saqqa and Khoudary will execute and perform the aforementioned task order through its own resources and equipment.

SAK will use the CPM scheduling technique to plan, schedule, and tracking and control the performance of work prior, during, and after construction period of the project.

The Original Baseline Schedule comprise all the detailed construction-related activities using the critical path method (CPM). The Schedule provide sufficient detail and clarity to reflect the intricacies and interdependencies of activities so SAK can plan, schedule, monitor, control and report on the progress of his work. In addition, it shall provide the Engineer and Owner a tool to monitor and follow the progress for all phases of the Work.

The original CPM Schedule show detailed construction-related activities for the entire project including preconstruction, construction and post construction Phase, which consist of mobilization, permit acquisition, submittals necessary for material and equipment procurement, submittals necessary for long lead equipment procurement, shop drawing and method statement submittals.

Saqqa and Khoudary establish the original schedule as follows:

- The project was divided in to three main phases; Preconstruction Phase, Construction Phase and Post Construction phase, in addition to the general and intermediate milestones.
- The **Preconstruction Phase** consist the following:
 - List of Preconstruction Submittals activities that will be submitted during the mobilization period and prior to commencement of any construction activities.
 - List of mobilization activities that will be completed during the initial 30 days after Notice to Proceed (NTP).
 - Coordination activities were scheduled to start immediately after NTP.
- The **Construction Phase** consist the following activities:
 - Construction submittals that include material submittals activities for long lead items including sewer pipes, Construction shop drawing submittals activities for pipelines and chambers, and construction method statement submittals.
 - Procurement activities are planned to be started immediately following approval of long lead items submittals.
 - Execution activities for the Three project component
 - Construction of an approximately 1.0 km two lane access road to the proposed Hebron WWTP including the following features:
 - ✓ Asphalted sidewalks/shoulders
 - ✓ Box culverts
 - ✓ Retaining structures

- ✓ Roadway marking signs and other road furnishings needed to satisfactorily complete the works.
- Rehabilitation of approximately 1.1 km of existing paved road including the following features:
 - ✓ Widening of the existing road
 - ✓ Asphaltting – Milling & Overlay
- Construction of water and sewer utilities as follows:
 - ✓ 2.0 km of 4 inch and 2 inch diameter water pipelines complete with associated valves, vaults, and accessories.
 - ✓ Construction of approximately 600 m of 60 inch diameter sewer pipe with manholes, outlet structures, and flow diversions.
- The **Post Construction Phase** consist the following activities:
 - Post Construction submittals that include warranties, operation and maintenance manual submittals activities.

For more details, please refer to the original Baseline schedule WBS.

11. Work Breakdown Structure WBS:

WBS Code	WBS Name
TO-15-01-HAR-Revis-B	Revised R01 - TO-15-01-HAR- Hebron WWTP Access Road
TO-15-01-HAR-Revis-B.1	Milestones
TO-15-01-HAR-Revis-B.1.1	General Milestones
TO-15-01-HAR-Revis-B.1.2	Intermediate Milestones
TO-15-01-HAR-Revis-B.2	PreConstruction Phase
TO-15-01-HAR-Revis-B.2.MOB	Mobilization
TO-15-01-HAR-Revis-B.2.2	PreConstruction Submittals
TO-15-01-HAR-Revis-B.2.1	Traffic Control Plan, Coordination and Permits
TO-15-01-HAR-Revis-B.3	Construction Phase
TO-15-01-HAR-Revis-B.3.1	Construction Submittals
TO-15-01-HAR-Revis-B.3.1.1	Shopdrawing submittals
TO-15-01-HAR-Revis-B.3.1.1.1	Water Pipeline Shopdrawing
TO-15-01-HAR-Revis-B.3.1.1.1.1	100mm and 50mm Pipes
TO-15-01-HAR-Revis-B.3.1.1.1.2	Chambers Shopdrawing
TO-15-01-HAR-Revis-B.3.1.1.2.1	Gate Valve Chambers
TO-15-01-HAR-Revis-B.3.1.1.2.4	Connection and Monitoring Chamber
TO-15-01-HAR-Revis-B.3.1.1.2.2	AJAR Chambers
TO-15-01-HAR-Revis-B.3.1.1.2.3	WO Washout Chambers
TO-15-01-HAR-Revis-B.3.1.1.5	Road Shopdrawing (Plan, Profile and Cross section)
TO-15-01-HAR-Revis-B.3.1.1.5.1	Segment A (Plan, Profile and Cross section)
TO-15-01-HAR-Revis-B.3.1.1.5.2	Segment B (Plan, Profile and Cross section)
TO-15-01-HAR-Revis-B.3.1.1.3	Concrete Wall
TO-15-01-HAR-Revis-B.3.1.1.4	Culvert
TO-15-01-HAR-Revis-B.3.1.1.2	Sewer Line
TO-15-01-HAR-Revis-B.3.1.2	Material Submittals
TO-15-01-HAR-Revis-B.3.1.2.1	Mechanical Material Submittals
TO-15-01-HAR-Revis-B.3.1.2.2	Civil Material Submittals
TO-15-01-HAR-Revis-B.3.1.2.3	Electrical Material Submittals
TO-15-01-HAR-Revis-B.3.1.3	Method Statement
TO-15-01-HAR-Revis-B.3.1.4	Miscellaneous
TO-15-01-HAR-Revis-B.3.5	Procurement
TO-15-01-HAR-Revis-B.3.2	Execution
TO-15-01-HAR-Revis-B.3.2.1	Road Segment A
TO-15-01-HAR-Revis-B.3.2.2	Road Segment B
TO-15-01-HAR-Revis-B.3.2.2.5	Box Culvert and Road Seg. B from Station 0+000 to Station 0+070
TO-15-01-HAR-Revis-B.3.2.2.1	Road Seg. B from Station 0+070 to Station 0+230
TO-15-01-HAR-Revis-B.3.2.2.1.2	Installation of 50mm Pipe and chambers
TO-15-01-HAR-Revis-B.3.2.2.1.1	Concrete Work
TO-15-01-HAR-Revis-B.3.2.2.4	Road Seg. B from Station 0+230 to Station 0+963
TO-15-01-HAR-Revis-B.3.2.2.3	Sewer Trunk Line
TO-15-01-HAR-Revis-B.3.2.2.2	Asphalting
TO-15-01-HAR-Revis-B.3.2.5	Mechanical and Electrical Installation and Testing for Seg. A and B
TO-15-01-HAR-Revis-B.3.2.3	Miscellaneous
TO-15-01-HAR-Revis-B.4	Post Construction Phase
TO-15-01-HAR-Revis-B.4.1	Post Construction Submittals

12. Work Groups and Crews:

The construction work plan was established based on the following work groups and crews:
Works will be divided into 4 groups (multiple crews) and two segments:

Group 1: Pipelines

- Crews will install the pipelines (excavation and backfilling).
- Crews will install the pipes.
- Crew will install the chambers.
- Crew will rehabilitate the sites.

Group 2: Sewer Pipes (Concrete Pipes)

- Crews will install the pipelines (excavation and backfilling).
- Crews will install the pipes.
- Crew will install the chambers.
- Crew will rehabilitate the sites.

Group 3: Retaining Walls.

Group 4: Asphalt Works.

- ✓ Crew for Pipe lines excavation, Bedding Installation and Backfilling including required testing during installation, productivity rate: 100-150 linear meters per day.
- ✓ Concrete chamber crew: 4-5 chambers per month
- ✓ Road work crew:
This crew will be responsible of all road activities; including excavation, filling horizontal layer, spreading and compaction of sub base layers, spreading and compaction of base course layers, Supplying, spreading and compacting bituminous wearing course, concrete work and road marking.
 - Excavation crew : 150-300 cubic meters per day
 - Sub Base crew: 1000 – 1200 m2 per day
 - Base course crew: 1000 – 1200 m2 per day
 - Asphalt Crew: 2000 – 2200 m2 of asphalt per day
 - Sewer Pipe crew: 25 – 30 m per day

For more details regarding the Work Crews, Manpower and Equipment for each crew please refer to below table:



Table-1: Resources (Manpower and Equipment)

Work Activity	Prime Contractor/Subcontractor	Crew or number of crew	Manpower								Equipment (All Crews)																				
			Foreman	Surveyor	Operator/Driver	Carpenter	Steel Fixer	Steel Welder	Pipe Fitter	Technician or Skilled Labor	Unskilled Labor/Elasman	Survey Station	Saw Cut Machine	Generator (5 KVA)	Excavator	Backhoe JCB	Crane	Bobcat	Wheel Loader	Dump Truck	Grader	120/or St. Small Connector	Roller	Water Tank	Water Pump / Weld Testing Equipment	Concrete Mixer & Pump	Sprayer Truck	Finisher	Welding Machine	Pressure Testing Apparatus	
Productivity Rate											50-150 LM/Dav		150-300 m3/Dav	100-150 m3/Dav		N/A	30-50 m3/Dav	300-500 m3/Dav	8 trips /Dav	500-800 m2/Dav	100-200 m2/Dav	800 m2/dav	8 trips /Dav	N/A	N/A	1.1 ton/hour	700 ton /dav	N/A	N/A		
Survey Work	SAK	1		1						1																					
Shop Drawings		1								2																					
Traffic, Control, Detour and Safety Measures		1	1		1					1	1				1									1							
Group 1																															
Pipelines																															
Trench Excavation	SAK	1																													
Bedding & Backfilling		1																													
Pipeline Installation		1									2																				
Concrete Encasement						1								2																	
Civil & Structural works for valves and connection Chambers		1	1	1	12		1	1							2		1	1						1				1			
Mechanical works for valves and connection Chambers		1	1						1		3	3													1					1	
Restoration, Cleaning Washing, Hydraulic/Weld testing & Disinfection		1																									1				2

13. Sequence of work and logic Network:

- ✓ Based on the above-mentioned work groups and crews and the task order scope of work, the construction related activities was planned and sequence to minimize public disruption and to complete the project with the time frame.
- ✓ The execution activities were scheduled to be started following approval and implementation of traffic control plan and safety measures.
- ✓ The execution activities will be started following arrival of material and approval of all related construction submittals.
- ✓ The above work will be scheduled and sequenced to ensure continuous operation of the existing plant facilities as per specification section 01310 part 24.04.

The general sequence of work will be as follow:

A. Segment A:

1. Install of 4" steel pipes includes the road reinstatement.
2. Excavation for widening the road from the left side.
3. Excavation for widening the road from the right side.
4. Removal of the existing asphalt layer.
5. Subgrade Preparation.
6. Base course layer.
7. Asphalt binder course.

B. Segment B:

A. STA: 0+000 to STA: 0+070:

- a. Excavation.
- b. Construct of Box Culvert and extension retaining walls.
- c. Install of 2" pipeline.
- d. Base course works.
- e. Asphalt works.

B. STA: 0+070 to STA: 0+230:

- f. Cut/Fill.
- g. Construct of retaining walls.
- h. Construct of Pipe culvert.
- i. Install of 2" pipelines.
- j. Subgrade level.
- k. Base course works.
- l. Asphalt works.

C. STA: 0+230 to STA: 0+983:

- a. Cut/Fill.
- b. Install of 2" pipelines.
- c. Subgrade level.
- d. Base course works.
- e. Asphalt works.

C. Sewer Pipes (Concrete Pipes)

1. Install of concrete pipes (Φ 60").
2. Install of 14 chambers.

14. Scheduling assumptions

14.1. Project Constraint:

All schedule constraints were incorporated in the original CPM schedule as required in executed task order section F5.

Activity Name	Constraint
Start Milestone - Notice to Proceed	December 15, 2014
Finish Milestone - Project Completion:	October 01, 2015
Preparation & Submit Copy of Bank Guarantee Certificates	Within (14) calendar days after the date of Task Order award
Preparation & Submit Scheduling Qualification Submittal	within 10 Days after Notice to Proceed
Preparation & Submit Key Staff	Due no later than 14 days NTP
Preparation & Submit Quality Control Plan with Testing Lab C.V	Due no later than 30 days after issuance of Notice to Proceed and prior to commencement of any construction activity.
Preparation & Submit Safety Plan	Due no later than 28 days after issuance of NTP and prior to commencement of any construction activity.
Preparation & Submit Traffic Control Plan	Due prior to commencement of any construction activity.
Preparation & Submit Environmental Monitoring and Mitigation Plan	Due no later than 28 days after issuance of NTP, and prior to commencement of any construction activity.
Preparation & Submit Original CPM Construction Schedule	Due no later than 28 days after issuance of NTP

14.2. Activity Codes:

A: General Milestone
 IA: Intermediate Milestone
 MOB: Mobilization
 PC-SUB: Preconstruction Submittals
 R&A: Review and Approval
 COR: Coordination activities
 CS: Construction Submittals
 CS-SH: Construction Shop drawing Submittals
 MMS: Mechanical Material Submittals
 CMS: Civil Material Submittals
 EMS: Electrical Material Submittals
 MS: Method Statement submittals
 MIS: Miscellaneous
 PRO: Procurement
 E: Execution activities
 A: Segment A
 B: Segment B
 PCS: Post Construction Submittals

14.3. Calendars:

Three types of calendars were used for the original CPM schedule as follows:

- 7-Day Workweek (without holidays): for Milestones activities
 - Working Days: 7 days / week.
 - Working Hours: 8 hours / day.
- HAR - 6 Day Work: for Contractor's activities:
 - Working Days: 6 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday
 - Including local holidays listed below.
 - Including rainy days listed below.
- HAR - 5 Day Work: for Engineer's activities:
 - Working Days: 5 days / week
 - Working Hours: 8 hours / day
 - Weekly Holiday: Friday and Saturday.
 - Including local holidays listed below.
- Working Hours (Normal): 8 hours / day,
- Working Hours during month of Ramadan: Saturday – Thursday, 5 hours / day,

During the Ramadan period, the Governmental Authorities, utility agencies, and many other organizations work short hours, normally from 9:00 a.m. to 2:00 p.m. (unless otherwise announced by the Palestinian Government). Traffic patterns change at this time. SAK will accommodate and revise their operations during this period according to their actual working hour requirements.

- Official Palestinian Holidays:
 - ✓ November 15, 2014: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2014: Christmas Day (Western calendar).
 - ✓ January 01, 2015: National Day
 - ✓ April 12, 2015: Easter Day (Eastern)
 - ✓ May 01, 2015: Labor Day (International)
 - ✓ July 18 to July 20, 2015: Eid al-Fitr (Feast of Breaking the Fast)
 - ✓ September 23 to September 27, 2015: Eid al-Adha (Feast of the Sacrifice)
 - ✓ November 15, 2015: Independence Day (Palestinian State Declaration)
 - ✓ December 25, 2015: Christmas Day (Western calendar).
 - ✓ Any public holiday that falls on a Friday will be taken on a Thursday but if that Thursday is part of the holiday then the preceding non-holiday day will be taken instead
 - ✓ Any public holiday that falls on a Saturday (for HAR - 5 Day Work) will be taken on a Sunday but if that Sunday is part of the holiday then the following non-holiday day will be taken instead
- Weather Delays:

The project geographic area has a rainy weather season. SAK is familiar with local climatological conditions and adjust the schedule accordingly. The weather data will be obtained during construction from a reputable source and will be reported on the daily joint reports. The CPM schedule includes 12 days of delay in accordance with FAR 52.236-3.

- ✓ Two days during December 2014: December 15 and 16, 2014.
- ✓ Five days during January 2015: January 3, 4, 7, 8, and 10, 2015.
- ✓ Four days during February 2015: February 5, 7, 19, 21, 2015.
- ✓ One day during March 2015: March 5, 2015.

- ✓ **Actual Severe Weather Days**

Date	Weather
January 2, 2015	Rainy
January 3, 2015	Rainy
January 4, 2015	Rainy
January 5, 2015	Rainy
January 6, 2015	Rainy
January 7, 2015	Snow
January 8, 2015	Snow
January 9, 2015	Snow
January 10, 2015	Snow
January 11, 2015	Rainy
January 16, 2015	Rainy
February 15, 2015	Rainy
February 18, 2015	Rainy
February 19, 2015	Rainy
February 20, 2015	Rainy
February 21, 2015	Snow
March 4, 2015	Rainy
April 1, 2015	Rainy
April 10, 2015	Rainy
April 12, 2015	Rainy
April 16, 2015	Rainy
August 01, 2015	Extremely hot
August 02, 2015	Extremely hot
August 03, 2015	Extremely hot
August 04, 2015	Extremely hot

Work stoppage resulted from landowner objections (Outside Contractor's Control)

During construction activities of Hebron WWTP Access Road at Segment A and Segment B, several obstructions and landowner objections were occurred which resulted in work stoppage as indicated in blow table.

Date	Causative Factor	Affected Activity	Time Impact	Reference
April 14, 2015	Land owners objections	Excavation works at seg.B from Sta.B0+840- Sta.0+980	1	DJR
April 15, 2015	Land owners objections	Excavation works at seg.B from Sta.B0+840- Sta.0+980	1	DJR
April 18, 2015	Land owners objections	Excavation works at seg.B from Sta.B0+840- Sta.0+980	1	DJR
April 26, 2015	Land owners objections	Excavation works at seg.A	1	DJR and SM -15-01-HAR-C-E-003
April 27, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+250- Sta.0+700	1	DJR and SM -15-000001-HAR-C-E-003
April 28, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+250- Sta.0+700	1	DJR
April 29, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+250- Sta.0+700	1	DJR
April 30, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+250- Sta.0+700	1	DJR
May 2, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+250- Sta.0+700	1	DJR
May 3, 2015	Land owners objections	Excavation works at seg.A Sta.A0+250- Sta.0+700	1	DJR
May 9, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+700- Sta.0+780	1	DJR
May 10, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+760- Sta.0+900	1	DJR
May 11, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+760- Sta.0+900	1	DJR
May 12, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+760- Sta.0+900	1	DJR
May 13, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+760- Sta.0+900	1	DJR
May 14, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720- Sta.0+780, Retaining Wall works at seg.A from Sta.0+206- Sta.0+257	1	DJR and SM -15-000001-HAR-C-E-004
May 16, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720- Sta.0+780 Retaining Wall works at seg.A from Sta.0+206- Sta.0+257	1	DJR
May 17, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720- Sta.0+780	3	DJR and SM -15-000001-HAR-C-E-005
May 18, 2015		Excavation works at seg. A from Sta. A0+230- Sta.A0+480		
May 19, 2015		Retaining Wall works at seg.A from Sta.0+206- Sta.0+257		
May 20, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720- Sta.0+780	6	DJR and SM -15-000001-HAR-C-E-006
May 21, 2015		Retaining Wall works at seg.A from Sta.0+206- Sta.0+257		
May 23, 2015				
May 24, 2015				
May 25, 2015				

May 26, 2015		from Sta.0+008-Sta.0+036		
May 27, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720-Sta.0+780	3	DJR
May 28, 2015		Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034		DJR
May 30, 2015				DJR
May 31, 2015	Land owners objections	Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034	1	DJR
June 1, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720-Sta.0+760 RHS	1	DJR
		Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034		
June 2, 2015	Land owners objections	Excavation works at seg.A from Sta.A0+720-Sta.0+760 RHS	1	DJR
		Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034		
June 3, 2015	Land owners objections	Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+034	4	DJR
June 4, 2015				
June 6, 2015				
June 7, 2015				
July 1, 2015	Land owners objections	Excavation works of proposed box culvert at Seg.B from Sta.0+008-Sta.0+042	3	DJR
July 2, 2015				
July 4, 2015				
From August 13, 2015 through August 19, 2015	out of Contractor's control	work disruption due to duping waste materials (Stone Cutting Slurry)	6	SM-15-000001-HAR-C-E
Total			45	

14.4. Duration Estimates:

The activities included in the CPM Schedule defined in work days. Durations based on the labor (crafts), equipment, and materials required performing each activity on a normal workday basis. Maximum Activity durations is 20 working days or less except in the case of non-construction activities such as procurement of materials and delivery of equipment.

Duration estimate based on the Productivity rates mentioned above.

For submittal review activities, the original duration was established to be 21 working days associated with project calendar of 5 day work week, which is equal to 30 calendar days as per contract specifications

14.5. Primavera Setting

A. Schedule Options:

- i. defined as "Use expected finish dates";
- ii. Scheduling progressed activities set as "Use only retained logic", not progress override option;
- iii. Critical Path activities defined as Total Float less than or equal to zero;
- iv. Calculating start-to-start lag from "early start" dates; and computing total float as "finish float = late finish – early finish";
- v. Calendar set for scheduling relationship lag as "Predecessor Activity Calendar."

B. Activity progress will be shown using Remaining Duration. Date format DDMMYY.

C. The Default activity type is "Independent Task".

- D. Date/time activity constraint(s): included in the original BL schedule as per executed task order
Section F.5 REPORTS AND DELIVERABLES OR OUTPUTS.

14.6. Scheduling setting

SchedulingYes
 LevelingNo
 Ignore relationships to and from other projectsNo
 Make open-ended activities criticalNo
 Use Expected Finish DatesYes
 Schedule automatically when a change affects datesNo
 Level resources during schedulingNo
 Recalculate assignment costs after schedulingNo
 When scheduling progressed activities useRetained Logic
 Calculate start-to-start lag fromEarly Start
 Define critical activities as Total Float less than or equal to 0
 Compute Total Float asFinish Float
 Calculate float based on finish date ofEach project
 Calendar for scheduling Relationship LagPredecessor Activity Calendar

Graphical Report for:
HAR – As Built Schedule
October 01, 2015



Activity ID	Activity Name	Original Duration	Start	Finish	2015												2016											
					N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct
As Built - Revised R03 - TO-15-01-HAR- Hebron WWTP Access Road					01-Oct-15 A, As Built - Revise...																							
Milestones					01-Oct-15 A, Milestones																							
General Milestones					01-Oct-15 A, General Milestone...																							
A-1	Notice to Proceed (NTP)	0.00	15-Dec-14		◆ Notice to Proceed (NTP)																							
A-2	Project Completion	0.00		01-Oct-15 A	◆ Project Completion																							
Intermediate Milestones					01-Oct-15 A, Intermediate Mile...																							
IA-01	Start of Mobilization	0.00	15-Dec-14		◆ Start of Mobilization																							
IA-02	Finish of Mobilization	0.00		27-Jan-15 A	◆ Finish of Mobilization																							
IA-03	Start of Pre-Construction Submittals	0.00	15-Dec-14		◆ Start of Pre-Construction Subm...																							
IA-04	Finish of Pre-Construction Submittals	0.00		15-Mar-15 A	◆ Finish of Pre-Construction Sub...																							
IA-05	Start of Construction Submittals	0.00	15-Dec-14		◆ Start of Construction Submitta...																							
IA-06	Finish of Construction Submittals	0.00		01-Oct-15 A	◆ Finish of Construction Submitt...																							
IA-07	Start of Construction at Segment A	0.00	09-Mar-15 A		◆ Start of Construction at Segme...																							
IA-08	Finish of Construction at Segment A	0.00		01-Oct-15 A	◆ Finish of Construction at Segm...																							
IA-09	Start of Construction at Segment B	0.00	12-Feb-15 A		◆ Start of Construction at Segme...																							
IA-10	Finish of Construction at Segment B	0.00		01-Oct-15 A	◆ Finish of Construction at Segm...																							
IA-20	Project Duration	177.63	15-Dec-14	01-Oct-15 A	◆ Project Duration																							
IA-30	Issuance of VO 01	0.00	15-Jun-15 A		◆ Issuance of VO 01																							
IA-40	Issuance of VO 02	0.00	11-Sep-15		◆ Issuance of VO 02																							
PreConstruction Phase					15-Mar-15 A, PreConstruction P...																							
Mobilization					27-Jan-15 A, Mobilization																							
MOB1000	Pre-Construction Dilapidation Survey	2.00	20-Dec-14	12-Jan-15 A	■ Pre-Construction Dilapidation ...																							
MOB1010	Provide, furnish and erect Temporary Project Signs	2.00	06-Jan-15 A	26-Jan-15 A	■ Provide, furnish and erect Tem...																							
MOB1020	Supply and furnish Field Office Furniture and Miscellaneous	2.00	11-Jan-15 A	27-Jan-15 A	■ Supply and furnish Field Offic...																							
MOB1030	Supply and install Field Office Computer Systems and IT Equipments	2.00	13-Jan-15 A	27-Jan-15 A	■ Supply and install Field Offic...																							
MOB1040	Arrange for and erect Contractor's work and Storage Yards	9.00	17-Dec-14	27-Jan-15 A	■ Arrange for and erect Contract...																							
MOB1050	Moving onto the Sites of all Plant and equipments	3.00	29-Dec-14	26-Jan-15 A	■ Moving onto the Sites of all P...																							
MOB1060	Post OSHA-required notices and establish safety programs	2.00	29-Dec-14	26-Jan-15 A	■ Post OSHA-required notices and...																							
MOB1070	Installation of Temporary Facilities as per section 01500	5.00	17-Dec-14	26-Jan-15 A	■ Installation of Temporary Faci...																							
MOB1080	Survey Work	5.00	22-Dec-14	27-Jan-15 A	■ Survey Work																							
MOB1090	Mobilization Summary	18.00	17-Dec-14	27-Jan-15 A	■ Mobilization Summary																							
PreConstruction Submittals					15-Mar-15 A, PreConstruction S...																							
PC-SUB-010	Preparation & Submit Copy of Bank Guarantee Certificates (for record)	1.00	15-Dec-14	16-Dec-14	■ Preparation & Submit Copy of B...																							
PC-SUB-020	Review & Approval of Bank Guarantee Certificates (for record)	21.00	16-Dec-14	28-Dec-14	■ Review & Approval of Bank Guar...																							
PC-SUB-030	Preparation & Submit Scheduling Qualification Submittal	2.00	15-Dec-14	16-Dec-14	■ Preparation & Submit Schedulin...																							
PC-SUB-040	Review & Approval of Scheduling Qualification Submittal	21.00	16-Dec-14	28-Dec-14	■ Review & Approval of Schedulin...																							
PC-SUB-050	Preparation & Submit Preliminary Progress Schedule (60 Day Plan of Operation)	2.00	20-Dec-14	05-Jan-15 A	■ Preparation & Submit Prelimina...																							
PC-SUB-060	Review & Approval of Preliminary Progress Schedule (60 Day Plan of Operation)	21.00	05-Jan-15 A	13-Jan-15 A	■ Review & Approval of Prelimina...																							
PC-SUB-070	Preparation & Submit Submittals Schedule	2.00	17-Dec-14	22-Dec-14	■ Preparation & Submit Submittal...																							
PC-SUB-080	Review & Approval of Submittals Schedule	21.00	22-Dec-14	27-Jan-15 A	■ Review & Approval of Submittal...																							
PC-SUB-090	Preparation & Submit Key Staff	2.00	27-Dec-14	15-Jan-15 A	■ Preparation & Submit Key Staff																							
PC-SUB-100	Review & Approval of Key Staff	21.00	15-Jan-15 A	19-Jan-15 A	■ Review & Approval of Key Staff																							
PC-SUB-110	Preparation & Submit Project Temporary Signs	1.00	27-Dec-14	11-Jan-15 A	■ Preparation & Submit Project T...																							
PC-SUB-120	Review & Approval of Project Temporary Signs	6.00	11-Jan-15 A	25-Jan-15 A	■ Review & Approval of Project T...																							
PC-SUB-130	Preparation & Submit Engineer's Field Office Location and Layout	3.00	17-Dec-14	05-Jan-15 A	■ Preparation & Submit Engineer'...																							
PC-SUB-140	Review & Approval of Engineer's Field Office Location and Layout	11.00	05-Jan-15 A	06-Jan-15 A	■ Review & Approval of Engineer'...																							
PC-SUB-150	Preparation & Submit Field Office Furniture and Equipment Plan	3.00	15-Dec-14	16-Dec-14	■ Preparation & Submit Field Off...																							
PC-SUB-160	Review & Approval of Field Office Furniture and Equipment Plan	12.00	16-Dec-14	21-Dec-14	■ Review & Approval of Field Off...																							

■ Actual Work
 ■ Critical Remaining Work
 ▬ Summary
■ Remaining Work
 ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	2015												2016											
					N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct
PC-SUB-170	Preparation & Submit Field Office Computer Systems and Miscellaneous	2.00	15-Dec-14	16-Dec-14																								
PC-SUB-180	Review & Approval of Field Office Computer Systems and Miscellaneous	15.00	16-Dec-14	21-Dec-14																								
PC-SUB-190	Preparation & Submit Quality Control Plan	10.00	17-Dec-14	14-Jan-15 A																								
PC-SUB-200	Review & Approval of Quality Control Plan	21.00	14-Jan-15 A	17-Feb-15 A																								
PC-SUB-210	Preparation & Submit Safety Plan	5.00	17-Dec-14	14-Jan-15 A																								
PC-SUB-220	Review & Approval of Safety Plan	21.00	14-Jan-15 A	01-Feb-15 A																								
PC-SUB-230	Preparation & Submit Environmental Monitoring and Mitigation Plan	3.00	17-Dec-14	18-Dec-14																								
PC-SUB-240	Review & Approval of Environmental Monitoring and Mitigation Plan	21.00	08-Mar-15 A	15-Mar-15 A																								
PC-SUB-250	Preparation & Submit General Construction Method Statement	10.00	20-Dec-14	20-Jan-15 A																								
PC-SUB-260	Review & Approval of General Construction Method Statement	21.00	20-Jan-15 A	17-Feb-15 A																								
PC-SUB-270	Preparation & Submit Original CPM Construction Schedule	28.00	20-Dec-14	27-Jan-15 A																								
PC-SUB-280	Review & Approval of Original CPM Construction Schedule	21.00	27-Jan-15 A	05-Mar-15 A																								
PC-SUB-290	Preparation & Submit Construction Risk Management Program	5.00	17-Dec-14	30-Dec-14																								
PC-SUB-300	Review & Approval of Construction Risk Management Program	21.00	30-Dec-14	24-Feb-15 A																								
PC-SUB-310	Preparation & Submit Dilapidation Survey	3.00	22-Dec-14	14-Jan-15 A																								
PC-SUB-320	Review & Approval of Dilapidation Survey	21.00	14-Jan-15 A	25-Jan-15 A																								
PC-SUB-330	Preparation & Submit of Testing Lab C.V	2.00	17-Dec-14	18-Dec-14																								
PC-SUB-340	Review & Approval of Testing Lab C.V	21.00	18-Dec-14	28-Dec-14																								
PC-SUB-350	Preparation & Submit Insurances (for record)	2.00	15-Dec-14	16-Dec-14																								
PC-SUB-360	Review & Approval of Insurances (for record)	21.00	16-Dec-14	28-Dec-14																								
PC-SUB-370	Preparation & Submit Lists of Permits and Licenses	2.00	17-Dec-14	22-Dec-14																								
PC-SUB-380	Review & Approval of Lists of Permits and Licenses	21.00	22-Dec-14	30-Dec-14																								
PC-SUB-390	Preparation & Submit Dumping Site	10.00	20-Dec-14	14-Jan-15 A																								
PC-SUB-400	Review & Approval of Dumping Site	21.00	14-Jan-15 A	05-Feb-15 A																								
PC-SUB-410	Preparation & Submit Storage Yard	5.00	05-Jan-15 A	14-Jan-15 A																								
PC-SUB-420	Review & Approval of Storage Yard	21.00	14-Jan-15 A	19-Jan-15 A																								
PC-SUB-430	Preparation & Submit Trench Safety Plan	5.00	17-Dec-14	14-Jan-15 A																								
PC-SUB-440	Review & Approval of Trench Safety Plan	21.00	14-Jan-15 A	01-Feb-15 A																								
Traffic Control Plan, Coordination and Permits																												
PC-SUB-1000	Preparation & Submit Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 (Area B)	7.00	17-Dec-14	18-Jan-15 A																								
PC-SUB-1010	Review & Approval of Traffic Control Plan for Segment A from Station 0+000 to Sta. 1+056 (Area B)	21.00	18-Jan-15 A	27-Jan-15 A																								
PC-SUB-1020	Preparation & Submit Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 (Area B)	7.00	17-Dec-14	18-Jan-15 A																								
PC-SUB-1030	Review & Approval of Traffic Control Plan for Segment B from Station 0+000 to Sta. 0+983 (Area B)	21.00	18-Jan-15 A	27-Jan-15 A																								
PC-SUB-1040	Receive Final for Construction Drawings	1.00	17-Dec-14	17-Dec-14																								
PC-SUB-1050	Coordination with Local authorities and obtain required permits for start of construction	10.00	16-Dec-14	30-Dec-14																								
Construction Phase																												
Construction Submittals																												
Shopdrawing submittals																												
Water Pipeline Shopdrawing																												
100mm and 50mm Pipes																												
CS-SH-W-01	Prep. & Sub. Shop drawing for 100 mm pipeline at Segment A	15.00	17-Jan-15 A	18-Feb-15 A																								
CS-SH-W-02	Review & Approval of Shop drawing for for 100 mm pipeline at Segment A	21.00	18-Feb-15 A	05-Mar-15 A																								
CS-SH-W-03	Prep. & Sub. Shop drawing for 50 mm pipeline at Segment B	10.00	05-Mar-15 A	16-Mar-15 A																								
CS-SH-W-04	Review & Approval of Shop drawing for for 50 mm pipeline at Segment B	21.00	16-Mar-15 A	30-Mar-15 A																								
Chambers Shopdrawing																												
Gate Valve Chambers																												
CS-SH-W-31	Prep. & Sub. Shop drawing for 100mm Isolation Gate Valve Chamber	5.00	03-Feb-15 A	15-Feb-15 A																								
CS-SH-W-32	Review & Approval of Shop drawing for 100mm Isolation Gate Valve Chamber	21.00	15-Feb-15 A	05-Mar-15 A																								

█ Actual Work
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Activity ID	Activity Name	Original Duration	Start	Finish	2015												2016											
					N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct
Sewer Line					<div style="text-align: right;">24-Jun-15 A, Sewer Line</div>																							
CS-SH-W-125	Prep. & Sub. Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	10.00	09-Mar-15 A	09-Jun-15 A	<div style="text-align: right;">Prep. & Sub. Shop drawing for ...</div>																							
CS-SH-W-130	Review & Approval of Shop drawing for Sewer Pipe line from station 0+000 to Station 0+560	21.00	09-Jun-15 A	24-Jun-15 A	<div style="text-align: right;">Review & Approval of Shop draw...</div>																							
Material Submittals					<div style="text-align: right;">11-May-15 A, Material Submitta...</div>																							
Mechanical Material Submittals					<div style="text-align: right;">08-Apr-15 A, Mechanical Materi...</div>																							
MMS-SUB-1000	Prep. & Sub. Dismantling joints	5.00	15-Dec-14	18-Dec-14	<div style="text-align: right;">Prep. & Sub. Dismantling joint...</div>																							
MMS-SUB-1010	Review & Approval of Dismantling joints	21.00	18-Dec-14	28-Dec-14	<div style="text-align: right;">Review & Approval of Dismantli...</div>																							
MMS-SUB-1020	Prep. & Sub. Flanges	5.00	30-Dec-14	18-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Flanges</div>																							
MMS-SUB-1030	Review & Approval of Flanges	21.00	18-Jan-15 A	01-Feb-15 A	<div style="text-align: right;">Review & Approval of Flanges</div>																							
MMS-SUB-1040	Prep. & Sub. Pressure Gauge, ball valve, and snubber	5.00	12-Jan-15 A	25-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Pressure Gauge, b...</div>																							
MMS-SUB-1050	Review & Approval of Pressure Gauge, ball valve, and snubber	21.00	18-Jan-15 A	20-Jan-15 A	<div style="text-align: right;">Review & Approval of Pressure ...</div>																							
MMS-SUB-1060	Prep. & Sub. Heat Shrinkable for Steel Pipes	5.00	17-Dec-14	15-Feb-15 A	<div style="text-align: right;">Prep. & Sub. Heat Shrinkable f...</div>																							
MMS-SUB-1070	Review & Approval of Heat Shrinkable for Steel Pipes	21.00	15-Feb-15 A	04-Mar-15 A	<div style="text-align: right;">Review & Approval of Heat Shri...</div>																							
MMS-SUB-1080	Prep. & Sub. Sewer Pipe	18.00	29-Jan-15 A	09-Mar-15 A	<div style="text-align: right;">Prep. & Sub. Sewer Pipe</div>																							
MMS-SUB-1090	Review & Approval of Sewer Pipe	21.00	09-Mar-15 A	18-Mar-15 A	<div style="text-align: right;">Review & Approval of Sewer Pip...</div>																							
MMS-SUB-1100	Prep. & Sub. Combination Air Valve	5.00	17-Dec-14	25-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Combination Air V...</div>																							
MMS-SUB-1110	Review & Approval of Combination Air Valve	21.00	25-Jan-15 A	28-Jan-15 A	<div style="text-align: right;">Review & Approval of Combinati...</div>																							
MMS-SUB-1120	Prep. & Sub. Flow Control Valve	5.00	17-Dec-14	24-Mar-15 A	<div style="text-align: right;">Prep. & Sub. Flow Control Valv...</div>																							
MMS-SUB-1130	Review & Approval of Flow Control Valve	21.00	24-Mar-15 A	08-Apr-15 A	<div style="text-align: right;">Review & Approval of Flow Cont...</div>																							
MMS-SUB-1140	Prep. & Sub. Pressure Relief Valve	5.00	18-Dec-14	01-Feb-15 A	<div style="text-align: right;">Prep. & Sub. Pressure Relief V...</div>																							
MMS-SUB-1150	Review & Approval of Pressure Relief Valve	21.00	01-Feb-15 A	04-Feb-15 A	<div style="text-align: right;">Review & Approval of Pressure ...</div>																							
MMS-SUB-1160	Prep. & Sub. Strainer	5.00	23-Dec-14	30-Dec-14	<div style="text-align: right;">Prep. & Sub. Strainer</div>																							
MMS-SUB-1170	Review & Approval of Strainer	21.00	30-Dec-14	30-Dec-14	<div style="text-align: right;">Review & Approval of Strainer</div>																							
MMS-SUB-1180	Prep. & Sub. 100mm, 50mm Pipes	5.00	27-Dec-14	15-Jan-15 A	<div style="text-align: right;">Prep. & Sub. 100mm, 50mm Pipes</div>																							
MMS-SUB-1190	Review & Approval of 100mm, 50mm Pipes	21.00	15-Jan-15 A	19-Jan-15 A	<div style="text-align: right;">Review & Approval of 100mm, 5...</div>																							
MMS-SUB-1200	Prep. & Sub. Gate Valve	5.00	17-Dec-14	26-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Gate Valve</div>																							
MMS-SUB-1210	Review & Approval of Gate Valve	21.00	26-Jan-15 A	28-Jan-15 A	<div style="text-align: right;">Review & Approval of Gate Valv...</div>																							
MMS-SUB-1220	Prep. & Sub. Pressure Reducing Valve	5.00	17-Dec-14	01-Feb-15 A	<div style="text-align: right;">Prep. & Sub. Pressure Reducing...</div>																							
MMS-SUB-1230	Review & Approval of Pressure Reducing Valve	21.00	01-Feb-15 A	05-Mar-15 A	<div style="text-align: right;">Review & Approval of Pressure ...</div>																							
Civil Material Submittals					<div style="text-align: right;">11-May-15 A, Civil Material Su...</div>																							
CMS-SUB-1000	Prep. & Sub. Bedding Material	5.00	17-Dec-14	27-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Bedding Material</div>																							
CMS-SUB-1010	Review & Approval of Bedding Material	21.00	27-Jan-15 A	29-Jan-15 A	<div style="text-align: right;">Review & Approval of Bedding M...</div>																							
CMS-SUB-1020	Prep. & Sub. Single Size Backfilling Material	5.00	18-Dec-14	27-Jan-15 A	<div style="text-align: right;">Prep. & Sub. Single Size Backf...</div>																							
CMS-SUB-1030	Review & Approval of Single Size Backfilling Material	21.00	24-Dec-14	29-Jan-15 A	<div style="text-align: right;">Review & Approval of Single Si...</div>																							
CMS-SUB-1040	Prep. & Sub. Base Course	5.00	21-Dec-14	02-Feb-15 A	<div style="text-align: right;">Prep. & Sub. Base Course</div>																							
CMS-SUB-1050	Review & Approval of Base Course	21.00	02-Feb-15 A	03-Feb-15 A	<div style="text-align: right;">Review & Approval of Base Cour...</div>																							
CMS-SUB-1060	Prep. & Sub. Curbstone	3.00	17-Feb-15 A	24-Feb-15 A	<div style="text-align: right;">Prep. & Sub. Curbstone</div>																							
CMS-SUB-1070	Review & Approval of Curbstone	21.00	24-Feb-15 A	24-Feb-15 A	<div style="text-align: right;">Review & Approval of Curbstone</div>																							
CMS-SUB-1080	Prep. & Sub. Guard rail	3.00	09-Mar-15 A	09-Mar-15 A	<div style="text-align: right;">Prep. & Sub. Guard rail</div>																							
CMS-SUB-1090	Review & Approval of Guard rail	21.00	09-Mar-15 A	06-Apr-15 A	<div style="text-align: right;">Review & Approval of Guard rai...</div>																							
CMS-SUB-1100	Prep. & Sub. Traffic Signs	3.00	06-Apr-15 A	13-Apr-15 A	<div style="text-align: right;">Prep. & Sub. Traffic Signs</div>																							
CMS-SUB-1110	Review & Approval of Traffic Signs	21.00	13-Apr-15 A	16-Apr-15 A	<div style="text-align: right;">Review & Approval of Traffic S...</div>																							
CMS-SUB-1120	Prep. & Sub. Road Marking Paint	3.00	10-Mar-15 A	12-Mar-15 A	<div style="text-align: right;">Prep. & Sub. Road Marking Pain...</div>																							
CMS-SUB-1130	Review & Approval of Road Marking Paint	21.00	12-Mar-15 A	17-Mar-15 A	<div style="text-align: right;">Review & Approval of Road Mark...</div>																							
CMS-SUB-1140	Prep. & Sub. Concrete Mix Design	28.00	13-Jan-15 A	02-Mar-15 A	<div style="text-align: right;">Prep. & Sub. Concrete Mix Desi...</div>																							
CMS-SUB-1150	Review & Approval of Concrete Mix Design	21.00	02-Mar-15 A	17-Mar-15 A	<div style="text-align: right;">Review & Approval of Concrete ...</div>																							
CMS-SUB-1160	Prep. & Sub. Steel Reinforcement	4.00	15-Dec-14	18-Dec-14	<div style="text-align: right;">Prep. & Sub. Steel Reinforceme...</div>																							
CMS-SUB-1170	Review & Approval of Steel Reinforcement	21.00	18-Dec-14	12-Jan-15 A	<div style="text-align: right;">Review & Approval of Steel Rei...</div>																							

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					N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D				
CMS-SUB-1180	Prep. & Sub. Bituminous Cold Material	2.00	05-Jan-15 A	25-Jan-15 A			■																											
CMS-SUB-1190	Review & Approval of Bituminous Cold Material	21.00	25-Jan-15 A	01-Feb-15 A			■																											
CMS-SUB-1200	Prep. & Sub. Manhole covers and frames	4.00	17-Dec-14	30-Dec-14			■																											
CMS-SUB-1210	Review & Approval of Manhole covers and frames	21.00	30-Dec-14	04-Jan-15 A			■																											
CMS-SUB-1220	Prep. & Sub. Pipe's supports	4.00	19-Apr-15 A	26-Apr-15 A																														
CMS-SUB-1230	Review & Approval of Pipe's supports	21.00	26-Apr-15 A	11-May-15																														
CMS-SUB-1240	Prep. & Sub. Manhole Rungs	2.00	22-Dec-14	18-Feb-15 A			■																											
CMS-SUB-1250	Review & Approval of Manhole Rungs	21.00	18-Feb-15 A	04-Mar-15 A			■																											
CMS-SUB-1260	Prep. & Sub. Asphalt Mix Design	7.00	13-Jan-15 A	18-Feb-15 A			■																											
CMS-SUB-1270	Review & Approval of Asphalt Mix Design	21.00	18-Feb-15 A	16-Mar-15 A			■																											
CMS-SUB-1280	Prep. & Sub. Prime Coat and Tack Coat	3.00	02-Mar-15 A	04-Mar-15 A			■																											
CMS-SUB-1290	Review & Approval of Prime Coat and Tack Coat	21.00	04-Mar-15 A	25-Mar-15 A			■																											
Electrical Material Submittals																																		
EMS-SUB-1000	Prep. & Sub. Pressure differential switches	5.00	17-Dec-14	18-Jan-15 A			■																											
EMS-SUB-1010	Review & Approval of Pressure differential switches	21.00	18-Jan-15 A	28-Jan-15 A			■																											
EMS-SUB-1020	Prep. & Sub. Pressure Transmitters	5.00	30-Dec-14	18-Jan-15 A			■																											
EMS-SUB-1030	Review & Approval of Pressure Transmitters	21.00	18-Jan-15 A	17-Feb-15 A			■																											
EMS-SUB-1040	Prep. & Sub. Magnetic flow-meters	5.00	17-Dec-14	18-Dec-14			■																											
EMS-SUB-1050	Review & Approval of Magnetic flow-meters	21.00	18-Dec-14	26-Jan-15 A			■																											
Method Statement																																		
MS-SUB-1000	Prep. & Sub. Pipeline installation method statement	3.00	08-Feb-15 A	10-Feb-15 A			■																											
MS-SUB-1010	Review & Approval of Pipeline installation method statement	21.00	12-Feb-15 A	17-Feb-15 A			■																											
MS-SUB-1020	Prep. & Sub. Sewer Pipe installation method statement	11.00	02-May-15	14-Jul-15 A																														
MS-SUB-1030	Review & Approval of Sewer Pipe installation method statement	21.00	16-Jun-15 A	26-Jul-15 A																														
Miscellaneous																																		
MIS-SUB-1000	Prep. & Sub. Welding Procedure	4.00	05-Jan-15 A	26-Jan-15 A			■																											
MIS-SUB-1010	Review & Approval of Welding Procedure	21.00	26-Jan-15 A	09-Mar-15 A			■																											
MIS-SUB-1020	Prep. & Sub. Identification Tape	5.00	05-Jan-15 A	26-Jan-15 A			■																											
MIS-SUB-1030	Review & Approval of Identification Tape	21.00	26-Jan-15 A	17-Feb-15 A			■																											
MIS-SUB-1040	Prep. & Sub. Welding testing Labs	4.00	09-Mar-15 A	10-Mar-15 A			■																											
MIS-SUB-1050	Review & Approval of Welding testing Labs	21.00	10-Mar-15 A	12-Mar-15 A			■																											
MIS-SUB-1060	Prep. & Sub. Proposed Welders for Welders Qualification Test - CVs	4.00	01-Mar-15 A	09-Mar-15 A			■																											
MIS-SUB-1070	Review & Approval of Proposed Welders for Welders Qualification Test - CVs	21.00	09-Mar-15 A	18-Mar-15 A			■																											
Procurement																																		
PRO-1000	Order and delivery of 100 mm, 50mm Pipes	30.00	02-Feb-15 A	26-Feb-15 A			■																											
PRO-1010	Order and Delivery of Mechanical and Electrical Fittings	50.00	25-Jan-15 A	30-Jun-15 A			■																											
PRO-1020	Order and Delivery of Sewer Pipes	40.00	16-Apr-15 A	14-Jul-15 A			■																											
PRO-1030	Order and Delivery of Mechanical Valves VO 01	43.63	15-Jun-15 A	10-Sep-15			■																											
Execution																																		
Road Segment A																																		
E-A-01	Implementation of Traffic Control Plan - Segment A	2.00	07-Mar-15 A	09-Mar-15 A			■																											
E-A-10	Maintain of Traffic Control Plan and Safety - Segment A	95.00	09-Mar-15 A	01-Oct-15 A																														
Road Segment A - Left Hand Side																																		
Installation of 100mm Pipe and chambers																																		
E-A-15	Excavation, Bedding, Installation and Backfilling of 100mm pipelines at segment A	15.00	09-Mar-15 A	10-Jun-15 A			■																											
E-A-22	Construction of 100 mm Washout Chamber at Station A0+047	15.00	11-May-15	09-Jul-15 A			■																											
E-A-24	Construction of 100 mm Air Release Valve Chamber at Station A0+183	15.00	11-May-15	09-Jul-15 A			■																											
E-A-26	Construction of 100 mm Isolation Valve Chamber at Station A0+470	15.00	11-May-15	09-Jul-15 A			■																											

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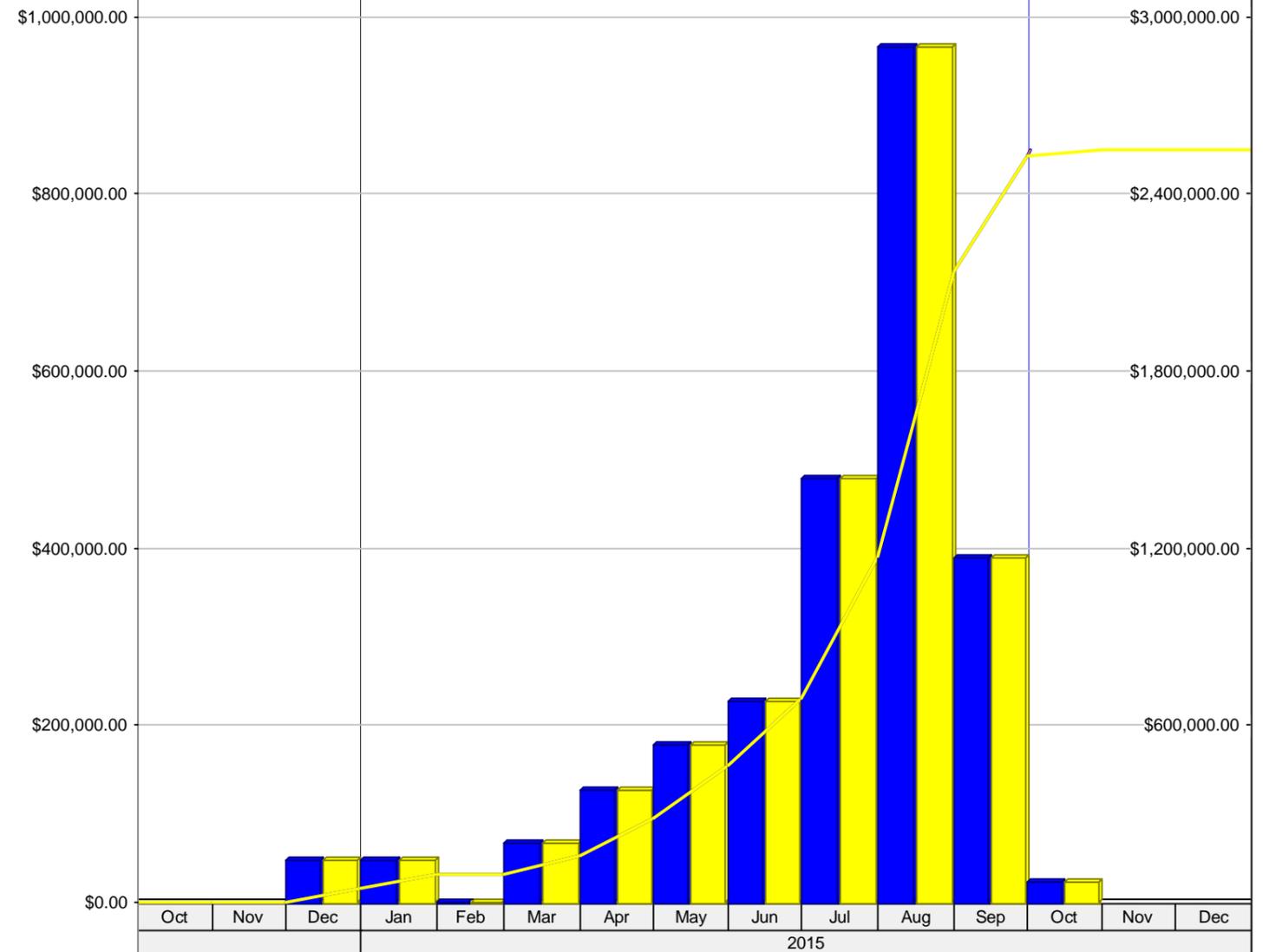
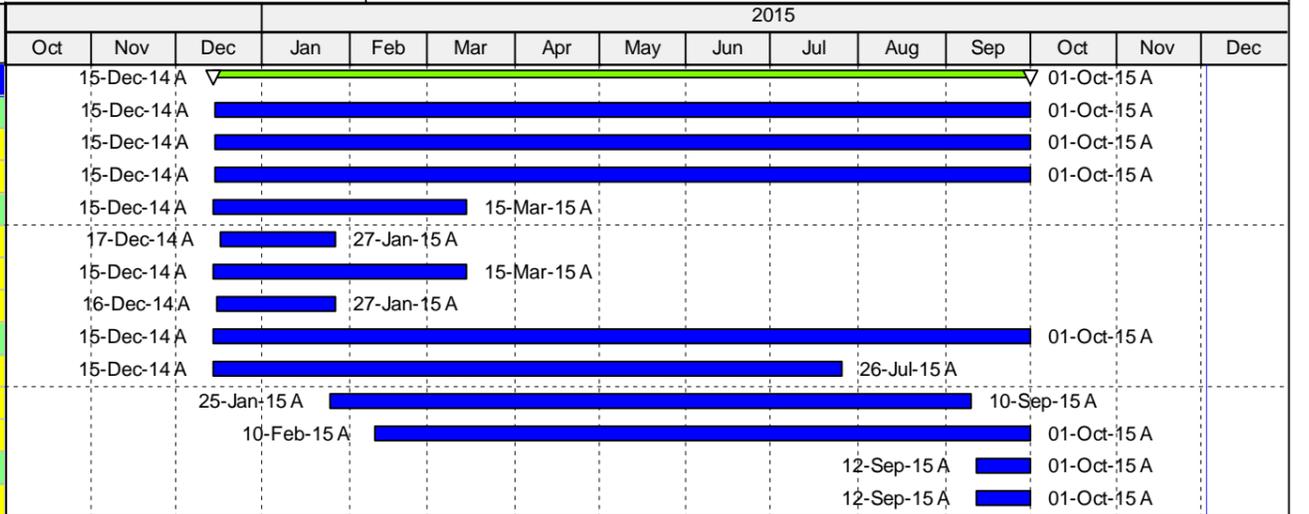


Activity ID	Activity Name	Original Duration	Start	Finish	2015												2016											
					N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	J	Jul	A	S	Oct
E-A-27	Construction of 100 mm Isolation Valve Chamber at Station A 0+183	15.00	11-May-15	09-Jul-15 A																								
E-A-30	Construction of 100 mm Washout Chamber at Station A 0+920	15.00	26-May-15	09-Jul-15 A																								
E-A-65	Replacement of existing Chamber at Segment A (Pre Cast)	2.00	07-Sep-15	10-Sep-15																								
E-A-65a	Connection to the existing water pipeline DN50	10.00	19-Aug-15	01-Oct-15 A																								
Widening of left hand side of existing Road																												
E-A-25	Excavation for widening of left hand side of existing Road From Station A 0+200 to Station A 1+056	8.00	18-May-15	22-Jun-15 A																								
Road Segment A - Right Hand Side																												
Widening of Right hand side of existing Road																												
E-A-75	Excavation for widening of Right hand side of existing Road From Station A 0+200 to Station A 1+056	12.00	23-Apr-15 A	22-Jun-15 A																								
Concrete Work																												
E-A-88	Construction of Reinforced Concrete Wall at Station A0+210 to A 0+260 H=2m Max	21.00	27-May-15	02-Sep-15																								
Asphalting - Milling & Overlay																												
E-A-91	Milling of the existing road - segment A from station 0+000 to Station 0+200	1.00	29-Jul-15 A	29-Jul-15 A																								
E-A-94	Asphalt Layer for road segment A from station 0+000 to Station 0+430	2.00	29-Aug-15	29-Aug-15																								
E-A-95	Road Marking and Traffic Signs	10.00	13-Sep-15	01-Oct-15 A																								
E-A-96	Cleaning of existing pipe culvert at station A0+053	2.00	28-Sep-15	29-Sep-15																								
E-A-97	Sidewalk from Station A 0+200 to Station A 0+260	10.00	01-Aug-15	01-Oct-15 A																								
New Items VO 01																												
VO-1.2	Sub grade preparation including removal of existing asphalt layer from Station A 0+200 to Station A 1+056	7.00	15-Jun-15 A	22-Jun-15 A																								
VO-1.2-1	Base course for Road segment from Station A 0+430 to Station A 1+056	7.00	23-Jun-15 A	10-Jul-15 A																								
VO-1.2-12	Base course for Road segment from Station A 0+000 to Station A 0+430	7.00	10-Jul-15 A	28-Aug-15																								
VO-1.2-2	Asphalt Binder Course Layer for road segment A from station 0+430 to Station 1+056	2.00	11-Jul-15 A	11-Jul-15 A																								
VO-A-1.1.1.a	Construction of Hebron WWTP Service connection Chamber	15.00	01-Jun-15 A	09-Jul-15 A																								
VO-A-1.1.1.b	Construction of 100 mm QELQES Service connection Chamber at Station A 0+990	21.00	20-May-15	09-Jul-15 A																								
VO-A-1.1.2	Construction of 100 mm Flow Monitoring Chamber at Station A 0+000 (HAR Main Connection)	15.00	05-Jul-15 A	30-Jul-15 A																								
Road Segment B																												
E-B-100	Implementation of Traffic Control Plan - Segment B	2.00	10-Feb-15 A	12-Feb-15 A																								
E-B-105	Maintain of Traffic Control Plan and Safety - Segment B	133.00	12-Feb-15 A	01-Oct-15 A																								
Box Culvert and Road Seg. B from Station 0+000 to Station 0+070																												
E-B-136	Structural Excavation to specified level for Box Culvert	7.00	06-May-15	24-Jun-15 A																								
E-B-137	Basecourse first layer (20 cm) for Box Culvert	5.00	24-Jun-15 A	27-Jun-15 A																								
E-B-138	Basecourse Second layer (20 cm) for Box Culvert	5.00	27-Jun-15 A	29-Jun-15 A																								
E-B-139	Basecourse Third layer (20 cm) for Box Culvert	5.00	29-Jun-15 A	01-Jul-15 A																								
E-B-140	Bliding Concrete for Box Culvert including walls extension	2.00	02-Jul-15 A	02-Jul-15 A																								
E-B-141	formwork, rebar and cast in place of Box Culvert Base slab including walls extension	5.00	02-Jul-15 A	15-Jul-15 A																								
E-B-142	formwork, rebar and cast in place of walls of Box Culvert Base including walls extension	15.00	15-Jul-15 A	01-Aug-15																								
E-B-143	formwork, rebar and cast in place of roof slab of Box Culvert including walls extension	10.00	01-Aug-15	13-Aug-15																								
E-B-144	formwork, rebar and cast in place of boundary wall of Box Culvert including walls extension	5.00	10-Aug-15	27-Aug-15																								
E-B-229	Basecourse and filling layer from station B0+000 to Station B0+070	6.00	12-Sep-15	19-Sep-15																								
E-B-232	Excavation, Bedding, Installation and Backfilling of 50mm pipelines at segment B B0+000 to Station B0+070	2.00	10-Sep-15	10-Sep-15																								
E-B-235	Installation of Precast concrete 100 mm Air Release Valve Chamber including Mechanical work	5.00	10-Sep-15	12-Sep-15																								
E-B-239	Asphalt Binder Course layer for road segment B0+000 to Station B0+230	2.00	20-Sep-15	20-Sep-15																								
Road Seg. B from Station 0+070 to Station 0+230																												
E-B-110	Excavation / Cut to specified level from station B0+070 to Station B0+230	20.00	12-Feb-15 A	04-Jun-15 A																								
E-B-112	Subgrade preparation for road segment from station B0+070 to Station B0+230	5.00	14-May-15	04-Jun-15 A																								
E-B-115	Basecourse layer (20 cm) from station B0+070 to Station B0+230	7.00	30-May-15	23-Jul-15 A																								
E-B-219	Road Embankment / Fill to specified level from station B0+070 to Station B0+230	20.00	09-May-15	23-Jul-15 A																								
Installation of 50mm Pipe and chambers																												

█ Actual Work
 █ Critical Remaining Work
 ▾ Summary
█ Remaining Work
 ◆ Milestone

Report for:
As Built Cost Loading and S-Curve

WBS Name	Start	Finish	Schedule % Complete	Cost % of Budget
As Built - Revised R03 - TO-15-01-HAR- Hebron WWTP Access Road	15-Dec-14 A	01-Oct-15 A	100%	100%
Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
General Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
Intermediate Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
PreConstruction Phase	15-Dec-14 A	15-Mar-15 A	100%	100%
Mobilization	17-Dec-14 A	27-Jan-15 A	100%	100%
PreConstruction Submittals	15-Dec-14 A	15-Mar-15 A	0%	0%
Traffic Control Plan, Coordination and Permits	16-Dec-14 A	27-Jan-15 A	0%	0%
Construction Phase	15-Dec-14 A	01-Oct-15 A	100%	100%
Construction Submittals	15-Dec-14 A	26-Jul-15 A	0%	0%
Procurement	25-Jan-15 A	10-Sep-15 A	0%	0%
Execution	10-Feb-15 A	01-Oct-15 A	100%	100%
Post Construction Phase	12-Sep-15 A	01-Oct-15 A	100%	100%
Post Construction Submittals	12-Sep-15 A	01-Oct-15 A	100%	100%



■ Actual Total Cost
■ Planned Value Cost
■ Earned Value Cost
■ BL Project Total Cost

▾ All EPS Elements ▬ WBS Elements below Project ▬ Forecast Bar
▾ All Projects ▬ Summary



Annex L:

S-Curve Versus Actual



USAID WEST BANK - GAZA - Local Construction Program (LCP)

CONTRACT NO. AID-294-I-13-00002

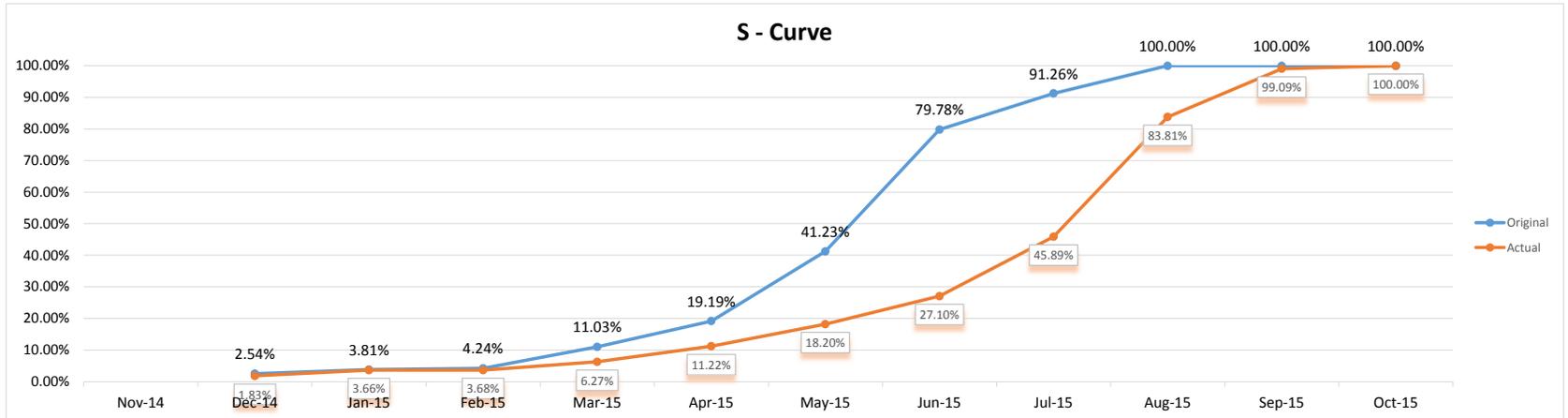
TASK ORDER NO. AID-294-TO-15-000001

Hebron WWTP Access Road

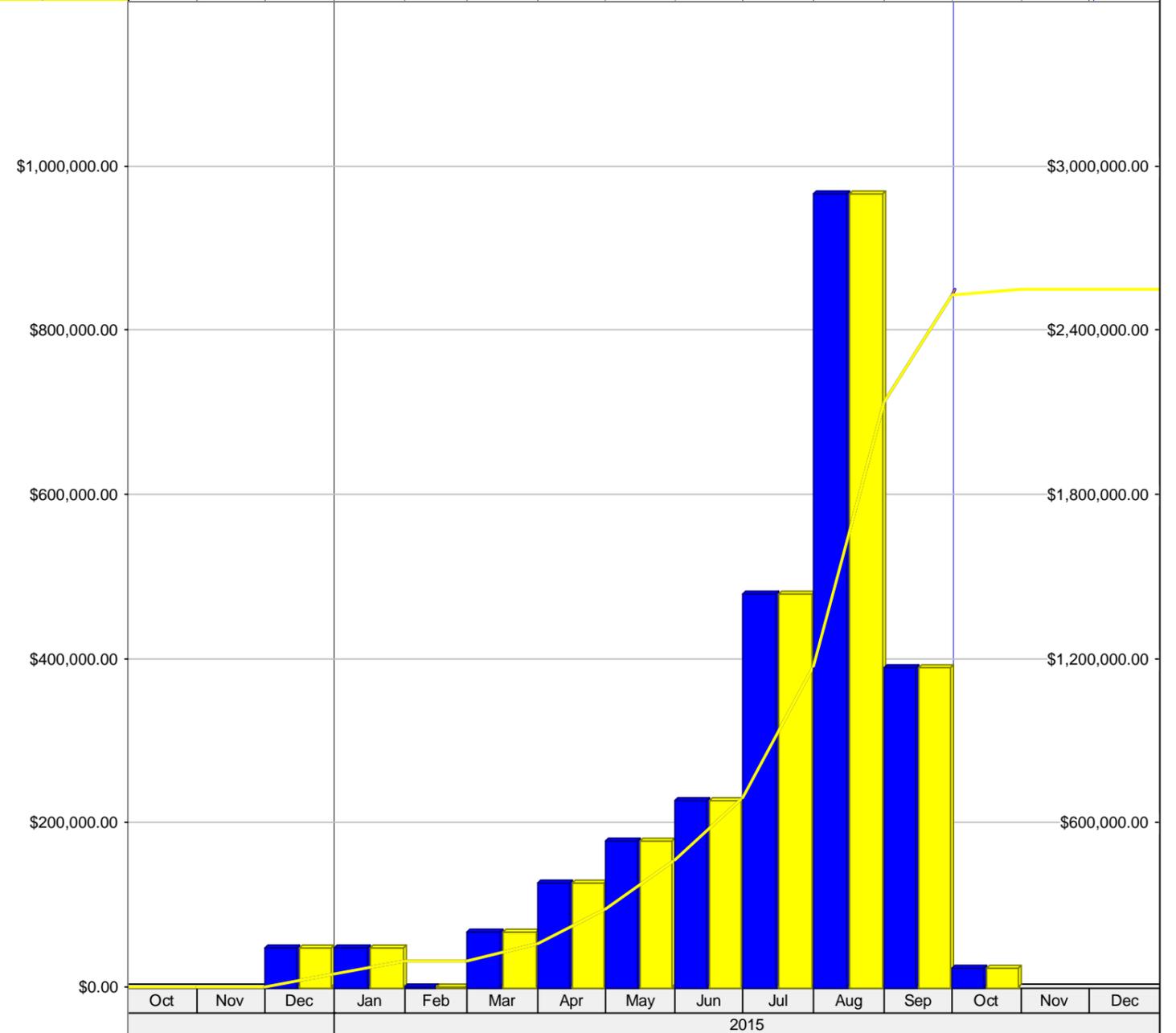
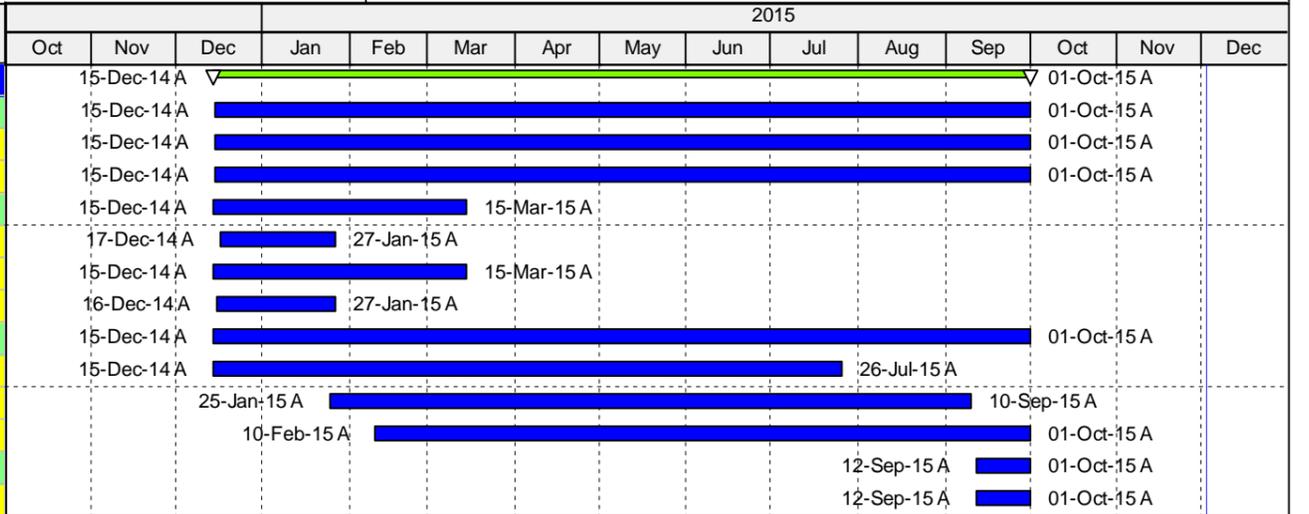


S-Curve

Date	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
Original Planned Value	\$ -	\$ 62,189.33	\$ 31,094.67	\$ 10,644.75	\$ 166,260.04	\$ 199,802.41	\$ 539,710.68	\$ 943,843.46	\$ 281,252.59	\$ 213,907.07	\$ -	\$ -
Original Planned Value (Accumulative)	\$ -	\$ 62,189.33	\$ 93,284.00	\$ 103,928.75	\$ 270,188.79	\$ 469,991.20	\$ 1,009,701.88	\$ 1,953,545.34	\$ 2,234,797.93	\$ 2,448,705.00	\$ 2,448,705.00	\$ 2,448,705.00
Original Planned %		2.54%	1.27%	0.43%	6.79%	8.16%	22.04%	38.54%	11.49%	8.74%	0.00%	0.00%
Original Planned % (Accumulative)		2.54%	3.81%	4.24%	11.03%	19.19%	41.23%	79.78%	91.26%	100.00%	100.00%	100.00%
Actual Value	\$ -	\$ 46,642.00	\$ 46,642.00	\$ 632.08	\$ 66,002.40	\$ 126,248.16	\$ 177,977.10	\$ 226,814.10	\$ 479,245.59	\$ 966,726.51	\$ 389,613.60	\$ 23,321.00
Accumulative Actual Value	\$ -	\$ 46,642.00	\$ 93,284.00	\$ 93,916.08	\$ 159,918.48	\$ 286,166.64	\$ 464,143.74	\$ 690,957.84	\$ 1,170,203.43	\$ 2,136,929.94	\$ 2,526,543.54	\$ 2,549,864.54
Actual %		1.83%	1.83%	0.02%	2.59%	4.95%	6.98%	8.90%	18.79%	37.91%	15.28%	0.91%
Accumulative Actual %		1.83%	3.66%	3.68%	6.27%	11.22%	18.20%	27.10%	45.89%	83.81%	99.09%	100.00%



WBS Name	Start	Finish	Schedule % Complete	Cost % of Budget
As Built - Revised R03 - TO-15-01-HAR- Hebron WWTP Access Road	15-Dec-14 A	01-Oct-15 A	100%	100%
Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
General Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
Intermediate Milestones	15-Dec-14 A	01-Oct-15 A	0%	0%
PreConstruction Phase	15-Dec-14 A	15-Mar-15 A	100%	100%
Mobilization	17-Dec-14 A	27-Jan-15 A	100%	100%
PreConstruction Submittals	15-Dec-14 A	15-Mar-15 A	0%	0%
Traffic Control Plan, Coordination and Permits	16-Dec-14 A	27-Jan-15 A	0%	0%
Construction Phase	15-Dec-14 A	01-Oct-15 A	100%	100%
Construction Submittals	15-Dec-14 A	26-Jul-15 A	0%	0%
Procurement	25-Jan-15 A	10-Sep-15 A	0%	0%
Execution	10-Feb-15 A	01-Oct-15 A	100%	100%
Post Construction Phase	12-Sep-15 A	01-Oct-15 A	100%	100%
Post Construction Submittals	12-Sep-15 A	01-Oct-15 A	100%	100%



■ Actual Total Cost
■ Planned Value Cost
■ Earned Value Cost
■ BL Project Total Cost

▾ All EPS Elements ▬ WBS Elements below Project ▬ Forecast Bar
▾ All Projects ▬ Summary



Annex M:

Construction Site Handover & Final Acceptance Certificate



FINAL ACCEPTANCE CERTIFICATE

Project	Hebron WWTP Access Road
Contract No.	AID-294-I-13-00002
Task Order No.	AID-294-TO-15-000001
Employer	United States Agency for International Development - USAID
Contractor	Saqqa & Khoudary Co. Ltd.
Engineer	Black & Veatch
Certificate Date	October 01, 2015

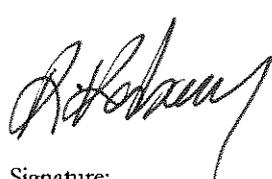
The designated area of the Contract covered by this Certificate includes:

1- Hebron WWTP Access Road.

- Construction of a total of 859.00 LM of Segment A.
- Construction of a total of 988.00 LM of Segment B.
- Construction of a total of 174.00 of Access Roads at Segment A (at Sta. 0+230 LHS).
- Construction of a total of 60.00 of Access Roads at Segment B (at Sta.0+440 LHS).
- Milling and Overlay of a total of 187.00 LM from Sta. 0+000 to the start of Construction
- Milling & Overlay of a total of 115.65 LM at the Intersection at the main Road.
- Milling and Overlay of a total of 31.00 LM at Sta. 0+180 RHS.
- Installation of a total of 1,062.29 LM of 4" Water Pipeline.
- Installation of a total of 1,036.47 LM of 2" Water Pipeline.
- Installation of a total of 542.75 LM of Φ 150 cm Sewer Pipeline.

The designated area of the Task Order is hereby accepted on behalf of USAID. The Engineer confirms that the Works have been completed in accordance with the terms of the Task Order. The one-year warranty for the designated area of the Task Order shall commence upon the date of this Certificate of Final Acceptance. The Contractor shall be responsible for remedying at the Contractor's expense any failure to conform or any defect in the Works, all in accordance with the terms of the Task Order. This acceptance is final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud or the Government's rights under any warranty or guarantee. The remaining punch list item(s) shall be completed by the contractor by November 05, 2015.



Acceptance Confirmed			
MoPWH	USAID	Contractor (SAK)	Engineer (B&V)
Name: Mohammad Adawi Title: Project Manager Signature: 	Name: Eric Strong Title: Contracting Officer Signature: 	Name: Saleem Tafesh Title: IQC Manager Signature: 	Name: Adnan Safi Title: Construction Manager Signature: 
Ali Thweib MoPWH Director Signature: 	Name: Kamal Kasbary Title: COR Signature: 	Name: Sameer Al-Khaldi Title: Task Order Manager Signature: 	Name: Monther Ramadan Title: Project Manager Signature: 
Attachments: <ol style="list-style-type: none"> 1- Construction Site Handover. 2- Final Punch List. 3- Handover Emails. 4- Final Quantities. 5- Key Map. 			

Abbreviations:

B&V: Black & Veatch, MoPWH: Ministry of Public Work and Housing, USAID: United States Agency for International Development.



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TO 15-000001-Hebron WWTP Access Road
Construction Site Handover

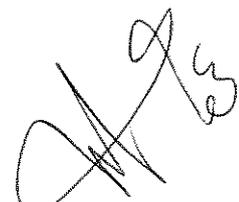
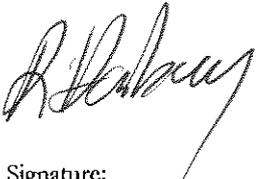
CONSTRUCTION SITE HANDOVER CERTIFICATE

Task Order: Hebron WWTP Access Road (HAR)
Project: Hebron WWTP Access Road
USAID Contract No.: AID-294-I-13-00002
Task Order No.: AID-294-TO-15-000001
MoPWH Visit and Inspection Date: October 14, 2015
USAID COR Visit and Inspection Date: October 27, 2015
Subject: Construction Site Handover Over
Location: Hebron Governorate

Construction Site Handed Over	This receipt confirms the acceptance of Hebron WWTP Access Road by the Ministry of Public Works and Housing from the Engineer (B&V) and the Contractor (SAK).	
Major Component Item – Hebron WWTP Access Road		
Item No.	Road Name	Length (Meters)
1	Hebron WWTP Access Road	
	Construction of a total of 859.00 LM of Segment A	859.00 LM
	Construction of a total of 988.00 LM of Segment B	988.00 LM
	Construction of a total of 174.00 of Access Roads at Segment A (at Sta. 0+230 LHS)	174.00 LM
	Construction of a total of 60.00 of Access Roads at Segment B (at Sta.0+440 LHS)	60.00 LM
	TOTAL	2,081.00 LM
	Milling and Overlay of a total of 187.00 LM from Sta. 0+000 to the start of Construction	187.00 LM
	Milling & Overlay of a total of 115.65 LM at the Intersection at the main Road.	115.65 LM
	Milling and Overlay of a total of 31.00 LM at Sta. 0+180 RHS.	31.00 LM
	TOTAL	333.65 LM
	Installation of a total of 1,062.29 LM of 4" Water pipeline along with its associated chambers and fittings.	1,062.92 LM
	Installation of a total of 1,036.47 LM of 2" Water pipeline along with its associated chambers and fittings.	1,036.47 LM
	TOTAL	2,098.76 LM
	Installation of a total of 542.75 LM of Φ 150 cm Sewer Pipeline along with its associate manholes.	542.75 LM
	TOTAL	542.75 LM



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Acceptance Confirmed			
MoPWH	USAID	Contractor (SAK)	Engineer (B&V)
Name: Mohammad Adawi Title: Project Manager Signature: 	Name: Eric Strong Title: Contracting Officer Signature: 	Name: Saleem Tafesh Title: IQC Manager Signature: 	Name: Adnan Safi Title: Construction Manager Signature: 
Ali Thweib MoPWH Director Signature: 	Name: Kamal Kasbary Title: COR Signature: 	Name: Sameer Al-Khaldi Title: Task Order Manager Signature: 	Name: Monther Ramadan Title: Project Manager Signature: 

Abbreviations:

B&V: Black & Veatch, **MoPWH:** Ministry of Public Work and Housing, **USAID:** United States Agency for International Development.



INSPECTION MINUTES OF MEETING – FINAL PUNCH LIST

Task Order: Hebron WWTP Access Road Project
Project: Hebron WWTP Access Road Project
USAID Contract No.: AID-294-I-13-00002
Task Order No.: AID-294-TO-15-000001
Subject: Final Punch List for Hebron WWTP Access Road Project
MoPWH Visit and Inspection Date: October 14, 2015
USAID COR Visit and Inspection Date: October 27, 2015

The inspection committee inspected and accepted all works. The following items are to be corrected or completed to comply with the contract documents by November 05, 2015.

No	Item	Yes	No	N/A	Notes	Engr. Sign off
General Notes						
1.	Perform general cleaning, Wadi shaping and restoration for the site including the removal of all debris and asphalt residues to the accepted dumping area.	✓				
2.	Repair concrete surface & edges for concrete structures and concrete protection.	✓				
3.	Repair and fill joint sealant for concrete retaining structures and concrete protection.	✓				
4.	Guardrail termination end at all locations shall be lowered.	✓				
5.	Provide reflectors on concrete parapets.	✓				
Water Chambers						
1.	Install all hand wheels for all valves inside all chambers.	✓				
2.	Apply anti-seize for all threaded connections, protect bolts against corrosion as per project specifications.	✓				
3.	All strainers mesh shall be installed and cleaned.	✓				
Segment A						
1.	Reinstate of the damaged existing stone walls from Sta. A0+020 to Sta. A0+080 RHS and from Sta. A0+080 to Sta. A0+120 LHS.	✓				
2.	Lower the guard rail ends to be embedded below asphalt level and correct the alignment of the guard rail.	✓				
3.	Rotate combination air release discharge drain hole to the opposite side of the valve hand wheel for Qelqes chamber at Sta. A0+990.	✓				
4.	Paint the directional signs poles at Sta. A0+000.	✓				
5.	For HAR main connection chambers at Sta. 0+960 contractor shall repair the surface around the pressure relief valve discharge pipe crossing with the top slab and shall install the mesh of 2" elbow.	✓				
6.	Provide concrete protection from St A0+250 LHS to St A1+056 and at St A0+000	✓				

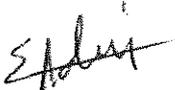
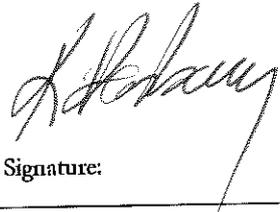
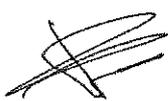


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Segment B						
1.	Replace the old guardrail at Sta. B0+420 LHS.	✓				
2.	Remove all construction debris, steel and wood from the site, starting from station B0+000 till the end of construction area.	✓				
3.	Remove one remaining piece of the 1,500 mm sewer pipes out of the construction area and into Hebron municipality storage yard.	✓				
4.	Install two traffic signs (chevrons) at station B0+910.	✓				



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Acceptance Confirmed			
MoPWH	USAID	Contractor (SAK)	Engineer (B&V)
Name: Mohammad Adawi Title: Project Manager Signature: 	Name: Kamal Kasbary Title: COR Signature: 	Name: Saleem Tafesh Title: IQC Manager Signature: 	Name: Adnan Safi Title: Construction Manager Signature: 
		Name: Sameer Al Khaldi Title: Task Order Manager Signature: 	Name: Monther Ramadan Title: Project Manager Signature: 

Abbreviations:

B&V: Black & Veatch, **MoPWH:** Ministry of Public Works and Housing, **USAID:** United States Agency for International Development.



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West Bank/Gaza INP II

October 11, 2015

DCN: BV-PMO-OUT- 3267

Prolog No.:

USAID Contract: 294-1-00-10-00205-00

حضرة المهندس فائق الديك المحترم،

وكيل الوزارة

وزارة الأشغال العامة والإسكان

الموضوع: تسليم الطريق الواصل لمحطة تنقية مياه الخليل

تحية طيبة وبعد،

بالإشارة للموضوع أعلاه، نود إعلامكم بأن مشروع الطريق الواصل لمحطة تنقية مياه الخليل المقترحة في مرحلته النهائية وهو أحد مشاريع وزارة الأشغال العامة والإسكان والممول من الوكالة الأمريكية للتنمية الدولية (USAID)، وعليه فإننا ندعركم لإستلام المشروع يوم الأربعاء بتاريخ 2015/10/14 الساعة الحادية عشر صباحاً.

شاكرين لكم حسن تعاونكم.

د. داوود القواسمي

المدير الفني للبرنامج

نسخة إلى:

- د. داوود الزعقري - رئيس بلدية الخليل
- م. محمد عدوي - وزارة الأشغال العامة والإسكان
- السيد بيتر رايلي - الوكالة الأمريكية للتنمية الدولية (USAID)
- م. كمال كسبري - الوكالة الأمريكية للتنمية الدولية (USAID)
- م. عنان صالفي - Black and Veatch
- ملف المشروع

West Bank/Gaza INP II Program Office
Black & Veatch Special Projects Corp
Louis Building Ras Al-Tahuna Street
Al Bireh, Palestine
Tel : + 970 (2) 294 7800, Fax: +970 (0) 240 2288

Black & Veatch Special Projects Corp
6601 College Boulevard
Overland Park, Kansas 66211 USA
Fax: +1 913 458 6535
Tel : +1 913 458 2900

Al-Ayaydah, Sharazad

From: Safi, Adnan
Sent: Sunday, October 11, 2015 11:19 AM
To: Howe, Peggy L.
Cc: Al-Ayaydah, Sharazad; Qawasmeh, Daoud
Subject: FW: Task Order #14-00002 and #15-00001 Final Inspection and Handover

FYI

Sincerely,

ADNAN SAFI | Program Construction Manager

Black & Veatch | USAID Contractor
Louis Building Ras Al Tahuna Street
Al Bireh - Palestine
Tel | +970 (2) 294 7800 M | +970 (0) 594 930 960 F | +970 (2) 240 2288
Email: SafiA@bv.com & ASafi@TrigonAssociates.com
Building a World of Difference.®
Please consider the environment before printing my e-mail

From: Kamal Kasbary [<mailto:kkasbary@usaid.gov>]
Sent: Saturday, October 10, 2015 6:20 PM
To: Safi, Adnan <SafiA@bv.com>
Cc: Eric Strong <estrong@usaid.gov>; Hourig Deldelian <HDeiDelian@usaid.gov>; Anan Masri <amasri@usaid.gov>
Subject: Task Order #14-00002 and #15-00001 Final Inspection and Handover

Dear Adnan,

As discussed today, kindly proceed with the "Final Inspection and Handover" for the above two task orders as scheduled for next Tuesday and Wednesday. USAID will conduct the Final Inspection / Walk-through with B&V and the contractor at a later day once permissible. Thank you.

Regards,

Kamal Kasbary
AID, Project Management Specialist (Construction)
WRI, Water Resources & Infrastructure Office
USAID West Bank & Gaza
Tel: 03 519-8505, Fax: 03 511-4888
Mobile: 050-200-1262
Email: kkasbary@usaid.gov

Connect with us:



USAID WEST BANK/ GAZA
LOCAL CONSTRUCTION PROGRAM (LCP)
CONTRACT NO. AID-294-I-00-13-00002
TASK ORDER NO: AID-294-TO-15-000001
HEBRON WWTP ACCESS ROAD
FINAL QUANTITIES

Pay Item #	Description	Unit of Measure	Quantity
	Bill No. 1 - Excavation and Earthworks		
	Excavation and Earthworks		
1.01	a Excavation to specified or directed levels in all materials. Unclassified excavation in the cut sections of the road, including removing existing pavement layers (in cut or fill sections), watercourses, ditches and Wade relocations and removing of subgrade material classified unsuitable all as and where shown on the drawings, including trimming & grading, mixing & shaping, watering, compaction, testing, all tests required, and hauling the excavated material either to locations for road embankments or to stockpiles or to waste, all according to specifications, drawings and/or as directed by the Engineer. (Note: Suitable Excavated materials to be used for embankment construction along the road will not be paid for as Embankment Materials such as filling layers or rock fill inclusive of processing, transportation and installation and any other works deemed necessary).	Cu m	16,606.11
	b Structural excavation to specified or directed levels in all kinds of materials, and hauling the excavated material either to locations for road embankments or to stockpiles or to waste, all according to specifications, drawings and/or as directed by the Engineer. (Note: Suitable Excavated materials to be used for embankment construction along the road will not be paid for as Embankment Materials such as filling layers or rock fill inclusive of processing, transportation and installation and any other works deemed necessary).	Cu m	1,672.66
1.02	Embankment Construction		
	a Filling horizontal Layers not exceeding 200 mm in depth, preparation and improvement of subgrade, watering, compaction, testing and imported material where required for roads, parking, shoulders, etc.	Cu m	7,429.94
	Bill No. 2 - Sub-Base and Base Course		
2.02	Base-course layers - Supply of crushed aggregate base course layer , including spreading, watering, mixing, shaping and compaction according to drawings, specifications and as directed by the Engineer.		
	b Crushed aggregate Compacted Base Course Layer 200 mm thick Class A.	Sq m	18,076.60
	Bill No. 3 - Asphalt Works		
	Bituminous Construction		
3.01	a Supplying and applying bituminous Prime coat MC (rate of application 0.75 - 2.0 kg/m ²), all according to specifications, drawings and/or as directed by the Engineer.	Sq m	13,192.62
3.02	b Supplying and applying bituminous Tack coat RC (rate of application 0.1 - 0.6 kg/m ²) all according to specifications, drawings and/or as directed by the Engineer.	Sq m	2,876.98
3.03	Bituminous Wearing Course 3/4"		
	Supplying, spreading and compacting 40 mm thick bituminous wearing course, including all tests required by specifications, drawings and/or as directed by the Engineer (price shall include but, is not limited to; existing frame and manhole cover adjustment to match the new P.G.L where applicable).		
	a ditto but for 50 mm thick bituminous wearing course.	Sq m	3,809.97
3.05	Bituminous Binder Course		
	c ditto but for 70 mm thick bituminous binder course.1".	Sq m	12,362.38
3.07	Asphalt Milling		
	a Milling of existing asphalt up to 40mm. Price shall include milling around existing manholes and beside existing curb stone, removal and disposal of all milled asphalt, debris, unsuitable and surplus materials to approved locations and cleaning the site area as directed by the Engineer.	Sq m	2,876.98
	Bill No. 4 - Drainage & Concrete Works		
4.02	Storm water Drainage Pipes		
	Supply and lay Pre-Cast Concrete Pipe Connection joint precast. Work includes but is not limited to; trench excavation, dewatering, support system for trench sides, bedding material, furnishing and laying pipes to the required invert levels, backfill & compaction, pipe testing and flushing and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or as directed by the Engineer.		
	f 1000 mm dia R.C. pipe.	L.m	22.50
4.05	Storm drain pipe cleaning - remove all debris and sediment from drain pipes and culverts - Flush pipes using high pressure water jet cleaning where necessary.	L.m	9.00
4.07	Concrete Works		

Pay Item #	Description	Unit of Measure	Quantity
	Supply and execute the following types of reinforced concrete(Retaining walls, concrete ditches...etc.) including all necessary works but is not limited to; material, labor, formwork, weep holes, joints, curing, vapor retarder sheets, damp roofing protective coating, chamfered edges, etc. as shown on drawings and/or as directed by the Engineer, and excluding of reinforced steel which shall be paid separately under item 4.07.e.		
	a Concrete Class - B150	Cu m	94.19
	c Concrete Class - B300	Cu m	1,380.67
	e Supply and install where needed High Tensile Steel Bar as shown on drawings and according to specifications and/or as directed by the Engineer.	Ton	92.99
4.12	Precast Concrete Curbstone		
	a Supply and install precast concrete curbstone for sidewalk. Work includes excavation, compaction, foundation, backing, bedding, joints pointing, painting and all necessary works all according to drawings, specifications and/or directed by the Engineer.	LM	151.50
5.00	Bill No. 5 - Miscellaneous Works		
	Traffic Signs		
5.01	Supply and fix traffic signs. Work includes but not limited to; excavation, concrete foundations, galvanized mounting poles with black and white paint stripes complete with cap and all other accessories, backfill and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications, drawings and/or as directed by the Engineer .		
	c Circular sign face 900 mm dia.	Each	2.00
	f Triangular sign face 900 mm deep	Each	16.00
	g Octagonal sign face 900 mm deep	Each	3.00
	h Directional sign(Black/White)with one board (Single face)installed on double 3" posts	Sq m	2.00
	j Rectangular chevron signs Type (RS-1)	Each	13.00
	k Rectangular chevron signs Type (RS-2)	Each	6.00
	l Rectangular chevron signs Type (RS-3)	Each	1.00
5.03	Road Marking		
	b Continuous and/or intermittent Thermoplastic paint as shown on drawings, all according to specifications and/or as directed by the Engineer.	Sq m	545.31
	c Supply and install edge line single cat eyes as shown on drawings, all according to specifications and/or as directed by the Engineer.	Each	384.00
	d Supply and install double cat eyes as shown on drawings, all according to specifications and/or as directed by the Engineer.	Each	302.00
	Safety Barriers		
5.05	Supply and install galvanized steel guard rail as per project specifications, drawings and/or as directed by the Engineer.		
	c Type N2- ESP2-W4	L.m	888.00
6.00	Bill No.6 - Trunk Sewer		
6.10	Trench Excavation. Trench dimensions are shown on details C-DT21.		
6.1.1	Trench excavation for pipelines: Excavation of trenches in all earth types (soil and / or rock). The work includes Marking, saw cutting of existing pavement, excavation and disposal of excess materials to locations acceptable to the Engineer and local authorities. Trench dimensions are shown on standard details C-DT21. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.		
6.1.1.1	Excavation to depths greater than 2.0 meters to 2.5 meters	L.m	58.35
6.1.1.2	Excavation to depths greater than 2.5 meters to 3.0 meters	L.m	99.70
6.1.1.3	Excavation to depths greater than 3.0 meters to 3.5 meters	L.m	259.50
6.1.1.4	Excavation to depths greater than 3.5 meters to 4.0 meters	L.m	72.95
6.1.1.5	Excavation to depths greater than 4.0 meters to 4.5 meters	L.m	46.25
6.1.2	Pipe zone, Trench zone and final backfill excluding Asphalt reinstatement as shown on details C-DT21. Backfill and compaction up to top of road subgrade (on existing paved surfaces) or up to finished grade (on existing unpaved surfaces). All related works of this item should be implemented in accordance with specifications, drawings and directions of the Engineer.		
6.1.2.1	Backfill for 1500mm diameter RCP pipes.		
6.1.2.1.1	Backfill Trench Zone for pipes at depths greater than 2.0 meters to 2.5 meters	L.m	58.35
6.1.2.1.2	Backfill Trench Zone for pipes at depths greater than 2.5 meters to 3.0 meters	L.m	99.70
6.1.2.1.3	Backfill Trench Zone for pipes at depths greater than 3.0 meters to 3.5 meters	L.m	259.50
6.1.2.1.4	Backfill Trench Zone for pipes at depths greater than 3.5 meters but less than 4.0 meters	L.m	72.95

Pay Item #	Description	Unit of Measure	Quantity
6.1.2.1.5	Backfill Trench Zone for pipes at depths greater than 4.0 meters to 4.5 meters	L.m	46.25
6.20	Supply ,Install and Deliver Pipes and fittings		
6.2.1	Furnish and install 1500 mm RCP with all necessary rubber rings, adhesive material needed for proper pipe jointing. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.	L.m	542.75
6.30	Manholes		
6.3.1	Supply and Construct Manhole Type E. The manhole is rectangular manhole (2500 X 2500 mm) cast in-situ. Work shall include reinforcement steel, concrete, step irons, channel, benching, accessories including excavation damp roofing backfilling, and any other related works. All according to Specification, Drawings (DT-004) and to the Satisfaction of the Engineer, for the following depths:		
6.3.1.3	Sewage Manholes greater than 3.0 meter depth to 3.5 meters depth.	ea	2.00
6.3.1.4	Sewage manholes greater than 3.5 meter depth to 4.0 meters depth.	ea	5.00
6.3.1.5	Sewage Manholes greater than 4.0 meter depth to 4.5 meters depth.	ca	2.00
6.3.1.6	Sewage Manholes greater than 4.5 meter depth to 5.0 meters depth.	ca	4.00
6.40	Manhole Covers		
6.4.1	Furnish and install 40 tons bearing capacity cast iron cover DN 600 mm and frame covering for the manholes as per standard detail C- D1'28 . Rate shall include casting reinforced concrete under cover frame. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.	ea	14.00
6.50	Break into Existing Sewers		
6.5.1	Break into the existing sewer manhole, connect the sewer pipe and make good operating on site. work to include labor, materials, equipment, flow diversion if required and any other related works. All as described in the specifications, drawings and as directed by the Engineer.	ca	1.00
6.60	Replacement of Existing Sewer Manhole (Manhole MH 014, Sheet CS-003)		
6.6.1	Replacement of existing deteriorated sewer manholes by cutting into the existing sewers, casting a new manhole and connecting/ reconnecting the new/ existing sewer lines and reconnecting the new manhole to the existing sewer network where required. Cost is also to include excavation, labor, equipment, flow diversion (via bypass or pumping, etc.) and any other works or materials required to complete works to Engineer satisfaction.	LS	1.00
6.70	Sewer Testing (Specification Section 02702 Parg. 3.7	LS	1.00
6.80	Sewer line marking	ca	3.00
7.00	Bill No. 7 - Water Main Transmission Pipeline		
7.10	Trench Excavation and Backfill. Trench dimensions and backfill zones are shown on details C-DT21, C-DT22 and C-DT23		
7.1.1	Trench excavation for pipelines: Excavation of trenches in all Earth types (soil and / or rock) and disposal of excess materials to locations acceptable to the Engineer and local authorities. Trench dimensions are shown on details C-DT21, C-DT22 and C-DT23		
7.1.1.1	Trench excavation for 100 mm pipes St. A0+000 to St. A1+056	L.m	1,062.92
7.1.1.2	Trench excavation for 50 mm pipes St. B0+000 to St. B0+984	L.m	1,036.47
7.1.2	Pipe zone, Trench zone and final backfill excluding Asphalt reinstatement as shown on details C-DT21. Backfill and compaction up to top of road subgrade (on existing paved surfaces) or up to finished grade (on existing unpaved surfaces). All related works of this item should be implemented in accordance with specifications, drawings and directions of the Engineer.		
7.1.2.1	Backfill for pipe and trench zone, 100mm pipes from St. A0+000 to St. A1+056	L.m	1,062.92
7.1.2.2	Backfill for pipe and trench zone, 50mm pipes from St. B0+000 to St. B0+984	L.m	1,036.47
7.20	Supply ,Install and Deliver Pipes and fittings		
7.2.1	Supply ,Install , Deliver of pipes and associated fittings by Contractor as shown in the drawings		
7.2.1.1	Steel Pipe and fittings, 100mm pipes from St. A0+000 to St. A1+056	L.m	1,062.92
7.2.1.2	Galvanized Steel Pipe and fittings, 50mm pipes from St. B0+000 to St. B0+984	L.m	1,036.47
7.30	Valves, Connections and Chambers		
7.3.1	Isolation Flanged (>2") Buried Gate Valves & Chambers or threaded (≤2") Buried Gate Valves & Valve Box		
7.3.1.1	Supply and install complete DN 100 mm flanged Gate Valve and its chamber as shown on detail No. C-DT67 and according to the related clauses of the technical specifications.	ea	2.00
7.3.4	Combination Air Valve Chambers		
7.3.4.1	Supply and install complete DN50 mm Combination Air Valve (combination of air and vacuum valve and air releases valve) and its chamber on DN100 mm pipeline as per detail C-DT62, and according to the related clauses of the technical specifications.	ea	2.00
7.3.5	Washout Chamber		
7.3.5.1	Supply and install complete DN50 washout and its chamber on DN 100mm pipes as per detail C-DT60 washout outfall in urban areas" and according to the related clauses of the technical specifications.	ca	2.00

Pay Item #	Description	Unit of Measure	Quantity
7.40	Cleaning, Washing, Testing & Disinfection of pipelines		
7.4.1	Cleaning, washing, hydraulic test and disinfection for the entire pipelines in the project.	L.m	2,120.69
7.50	Pipeline Marking		
7.5.1	Markers as per Specs & Detail C-518.	ea	5.00
7.70	Connection to Existing Water Pipeline		
7.7.1	Connection to the existing water pipeline DN50. the price shall include cutting into the existing water pipeline and connecting the new proposed water pipe. price shall include all required fittings and accessories to make operational to the full satisfaction of Engineer and according to Specifications. work to include supply and installing a new DN50 gate valve on the new pipeline.	ca	1.00
7.7.2	Replacement of existing water chamber, work includes all required concrete, reinforcement steel, heavy duty cover, steps and any other accessories and fittings. All according to specifications and Engineer approval. The chamber shall be made as shown on detail No. C-DT167.	ea	1.00
8.00	General Requirements		
8.20	O&M Technical Manuals	LS	1.00
8.30	Site inspection/ Support/ Start up	LS	1.00
VO 1	New Items		
VO 1.1	Changes in the Flow Monitoring Chambers		
VO 1.1.1	Supply, install and construct complete Water Meter Connection Chambers (PN 25)		
	a. Supply and install all valves, fittings ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and all related civil work. Refer to revised details in (Dwg. CHD 001 Rev.1) for Hebron WWTP Connection Chamber and to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	1.00
	b. Supply and install all valves, fittings ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and all civil work. Refer to revised details in (Dwg. CHD 002 Rev1) for Qelqes Connection Chamber and according to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	1.00
VO 1.1.2	Flow Monitoring Chamber (PN 25)		
	a. Supply, install all valves, fittings ...etc., and construct Main Monitoring water meter chamber with civil work complete at ST.0+000 as per new detail (Dwg CHD-003) for HAR main connection and according to details in the related clauses of the technical specifications.	ca	1.00
VO 1.2	Sub grade preparation including removal of existing asphalt layer.	Sq m	8,955.12



Annex N:

Final Definitive Quantities

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Bill Of Quantity - R03				Cumulative amount
Pay Item #	Description	Unit of Measure	QTY	
Road Project 1, Hebron WWTP Access Road				
	Bill No. 1 - Excavation and Earthworks			
	Excavation and Earthworks			
1.01	a	Excavation to specified or directed levels in all materials. Unclassified excavation in the cut sections of the road, including removing existing pavement layers (in cut or fill sections), watercourses, ditches and Wade relocations and removing of subgrade material classified unsuitable all as and where shown on the drawings, including trimming & grading, mixing & shaping, watering, compaction, testing, all tests required, and hauling the excavated material either to locations for road embankments or to stockpiles or to waste, all according to specifications, drawings and/or as directed by the Engineer. (Note: Suitable Excavated materials to be used for embankment construction along the road will not be paid for as Embankment Materials such as filling layers or rock fill inclusive of processing, transportation and installation and any other works deemed necessary).	Cu m	16,606.11
	b	Structural excavation to specified or directed levels in all kinds of materials, and hauling the excavated material either to locations for road embankments or to stockpiles or to waste, all according to specifications, drawings and/or as directed by the Engineer. (Note: Suitable Excavated materials to be used for embankment construction along the road will not be paid for as Embankment Materials such as filling layers or rock fill inclusive of processing, transportation and installation and any other works deemed necessary).	Cu m	1,672.66
1.02	Embankment Construction			
	a	Filling horizontal Layers not exceeding 200 mm in depth, preparation and improvement of subgrade, watering, compaction, testing and imported material where required for roads, parking, shoulders, etc.	Cu m	7,429.94
	b	Replacement of unsuitable soil materials with selected suitable material (A-2-4 passing 200 > 20%) as per DWG and as directed by the Engineer.	Cu m	
	c	Topping (Replacement of unsuitable materials with selected suitable material as directed by the Engineer).	Cu m	
	d	Pulverization; work shall include, but not limited to, removal of the existing asphalt layers, macadam and pavement layers, crushing of the material to the required gradation , processing the material and mixing it with crushed rock. The blended and crushed material shall be spread, mixed and compacted in accordance with standard specification as normal Topping layer. Excavation of the existing pavement layers is included under this item and will not be paid under item 1.01a (Excavation in all material) whereas the excavation from the bottom of the existing macadam to the required reduced subgrade level will be paid under item 1.01a above	Cu m	

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Bill Of Quantity - R03				Cumulative amount
Pay Item #		Description	Unit of Measure	QTY
	e	Construction of Rock Fill Layers as per Jordanian Spec., drawings and as directed by the Engineer.	Cu m	
SUB-TOTAL Bill No. 1				
		Bill No. 2 - Sub-Base and Base Course		
2.01		Sub-base course layers- Supply of crushed aggregate Sub base course layer , including spreading, watering, mixing,		
	a	Crushed aggregate Compacted Sub Base Course Layer 150 mm thick.	Sq m	
	b	Crushed aggregate Compacted Sub Base Course Layer 200 mm thick.	Sq m	
2.02		Base-course layers - Supply of crushed aggregate base course layer , including spreading, watering, mixing, shaping and compaction according to drawings, specifications and as directed by the Engineer.		
	a	Crushed aggregate Compacted Base Course Layer 150 mm thick Class A.	Sq m	
	b	Crushed aggregate Compacted Base Course Layer 200 mm thick Class A.	Sq m	18,076.60
2.03		Base-course for Temporary Detours		
	a	Supply of crushed aggregate base course layer of 200 mm including spreading, watering, mixing, shaping and compaction according to specifications and as directed by the Engineer for temporary detours. Price also include but is not limited to leveling and compaction of existing subgrade or sub base layer, removal of base course and land restoration to its original conditions.	Sq m	
SUB-TOTAL Bill No. 2				
		Bill No. 3 - Asphalt Works		
		Bituminous Construction		
3.01	a	Supplying and applying bituminous Prime coat MC (rate of application 0.75 - 2.0 kg/m2), all according to specifications, drawings and/or as directed by the Engineer.	Sq m	13,192.62
3.02	b	Supplying and applying bituminous Tack coat RC (rate of application 0.1 - 0.6 kg/m2) all according to specifications, drawings and/or as directed by the Engineer.	Sq m	2,876.98
3.03		Bituminous Wearing Course 3/4"		
		Supplying, spreading and compacting 40 mm thick bituminous wearing course, including all tests required by specifications, drawings and/or as directed by the Engineer (price shall include but, is not limited to; existing frame and manhole cover adjustment to match the new P.G.L where applicable).		
	a	ditto but for 50 mm thick bituminous wearing course.	Sq m	3,809.97
	b	ditto but for 60 mm thick bituminous wearing course.	Sq m	

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Pay Item #		Description	Unit of Measure	QTY
	c	ditto but for 70 mm thick bituminous wearing course	Sq m	
	d	ditto but for 50 mm thick bituminous wearing course for temporary detours in accordance with project specifications and as directed by the Engineer. Price also includes but is not limited to supply and install of prime coat, removal of asphalt and restoration of land to its original conditions.	Sq m	
	e	Supplying, spreading and compacting 30mm - 3/8" asphalt wearing course for sidewalks and median including all tests required specifications, drawings and/or as directed by the Engineer.	Sq m	
3.05		Bituminous Binder Course		
	a	Supplying, spreading and compacting 50 mm 3/4" thick bituminous binder course, including all tests required by specifications, drawings and/or as directed by the Engineer (price shall include but, is not limited to; existing frame and manhole cover adjustment to match the new P.G.L where applicable).	Sq m	
	b	ditto but for 60 mm thick bituminous binder course.1"	Sq m	
	c	ditto but for 70 mm thick bituminous binder course.1"	Sq m	12,362.38
3.06		Asphalt Patching , Leveling Course and Crack sealing		
	a	Replace damaged areas in the existing roads. The price shall include but is not limited to saw cutting asphalt/concrete , road excavation, disposal of removed asphalt/concrete , compacting sub grade , Laying and compacting of the required layers in 200 mm thick aggregate base course, applying prime coat, applying and compacting 6cm asphalt, including all tests required by specifications, drawings and/or as directed by the Engineer .	Sq m	
	b	Hot asphalt mix for patching and leveling course in the existing roads. The price shall include but is not limited to saw cutting asphalt/concrete , disposal of removed asphalt/concrete , compacting if needed the existing layers, applying prime coat, applying and compacting a leveling course layer and 6cm asphalt wearing layer, including all tests required by specifications, drawings and/or as directed by the Engineer .	Ton	
	c	Crack sealing. The price shall include but, is not limited to, crack opening, cleaning from dust, dirt, loose materials and or moisture, supply and install of emulsion filling and any other requirements deemed to be necessary to complete the works as per specifications and/or as directed by the Engineer.	L.m	
3.07		Asphalt Milling		
	a	Milling of existing asphalt up to 40mm. Price shall include milling around existing manholes and beside existing curb stone, removal and disposal of all milled asphalt, debris, unsuitable and surplus materials to approved locations and cleaning the site area as directed by the Engineer.	Sq m	2,876.98
SUB-TOTAL Bill No. 3				
Bill No. 4 - Drainage & Concrete Works				

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Bill Of Quantity - R03				Cumulative amount
Pay Item #	Description	Unit of Measure	QTY	
4.01	Road Crossings (Sleeves)			
	Supplying and laying UPVC pipes SN8. Work includes but is not limited to, trench excavation, laying pipes to the required invert levels, bedding (Sumsom-15cm below the pipe and 30cm on top of the pipe), single size for backfilling up to subgrade level, caps, warning tape and compaction, pipe testing and flushing and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or as directed by the Engineer. Top of pipe will usually be 80cm below surface of pavement or as directed by Engineer.			
	a 4" dia. pipe	L.m		
	b 6" dia. Pipe	L.m		
	c 8" dia. Pipe	L.m		
	d 10" dia. Pipe	L.m		
	e 12" dia. Pipe	L.m		
	f 14" dia. Pipe	L.m		
	g 16" dia. Pipe	L.m		
4.02	Storm water Drainage Pipes			
	Supply and lay Pre-Cast Concrete Pipe Connection joint precast. Work includes but is not limited to; trench excavation, dewatering, support system for trench sides, bedding material, furnishing and laying pipes to the required invert levels, backfill & compaction, pipe testing and flushing and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or as directed by the Engineer.			
	a 400 mm dia R.C. pipe.	L.m		
	b 500 mm dia R.C. pipe.	L.m		
	c 600 mm dia R.C. pipe.	L.m		
	d 800 mm dia R.C. pipe.	L.m		
	e 2 X 800 mm dia R.C. pipe.	L.m		
	f 1000 mm dia R.C. pipe.	L.m	22.50	
	g 2 X 1000 mm dia R.C. pipe.	L.m		
	h 1250 mm dia R.C. pipe.	L.m		
	i 1500 mm dia R.C. pipe.	L.m		
4.03	Drainage Manholes and Inlets			

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Pay Item #	Description	Unit of Measure	QTY	
	Supply and install a complete precast storm water drain manholes with heavy duty covers and frames, set to finished road level, step irons, and built-in pipes. Work includes but not limited to excavation, blinding, installation of manholes to the required invert levels, single size backfilling and compaction, concrete benching and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or as directed by the Engineer. Should the contractor choose to cast such manholes in situ, the same unit rates for precast manholes shall be used.			
1.0	Manhole size 1.5m * 1.1m			
a	Depth not exceeding 2.0 m	Each		
b	Depth not exceeding 2.5 m	Each		
c	Depth not exceeding 3.0 m	Each		
2.0	Manhole size 2m * 2m			
a	Depth not exceeding 2.0 m	Each		
b	Depth not exceeding 2.5 m	Each		
c	Depth not exceeding 3.0 m	Each		
4.04	Supply and install complete precast concrete catch basins with heavy duty gratings, curb inlet and frames, set to finished road level, step irons, building in pipes. Work includes but is not limited to; excavation, blinding, installation of catch basins to the required invert levels, single size backfilling and compaction, concrete benching and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or directed by the Engineer. Should the contractor choose to cast such catch basins in situ, the same unit rates for precast catch basins shall be used.			
a	Catch basin Drainage Inlet Type A as shown on drawings and directions of the Engineer.	Each		
b	Catch basin Drainage Inlet Type B as shown on drawings and directions of the Engineer.	Each		
c	Catch basin Drainage Inlet Type C as shown on drawings and directions of the Engineer.	Each		
d	Catch basin Drainage Inlet Type D as shown on drawings and directions of the Engineer.	Each		
e	Long Catch basin Drainage Inlet with Steel Grill as shown on drawings and directions of the Engineer.	L.m		
4.05	Storm drain pipe cleaning - remove all debris and sediment from drain pipes and culverts - Flush pipes using high pressure water jet cleaning where necessary.	L.m	9.00	
4.06	Sewerage Works			

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Pay Item #	Description	Unit of Measure	QTY	
	Supply and lay UPVC pipes SN8. Work includes but is not limited to; excavation to the required depth, disposal of excavation and unsuitable excavated material to approved locations, trench sides protection, bedding material, furnishing and laying pipes to the required invert levels, backfill & compaction, testing and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings and/or as directed by the Engineer.			
	a For 16" dia Pipe. Depth not exceeding 2.0 m.	L.m		
	b For 14" dia Pipe. Depth not exceeding 2.0 m.	L.m		
	c For 12" dia Pipe. Depth not exceeding 2.0 m.	L.m		
	d For 10" dia Pipe. Depth not exceeding 2.0 m.	L.m		
	e For 8" dia Pipe. Depth not exceeding 2.0 m.	L.m		
4.07	Concrete Works			
	Supply and execute the following types of reinforced concrete(Retaining walls,concrete ditchies...etc.) including all necessary works but is not limited to; material, labor, formwork, weep holes, joints, curing, vapor retarder sheets, damp roofing protective coating, chamfered edges, etc. as shown on drawings and/or as directed by the Engineer, and excluding of reinforced steel which shall be paid separately under item 4.07.e.			
	a Concrete Class - B150	Cu m		94.19
	b Concrete Class - B250	Cu m		0.00
	c Concrete Class - B300	Cu m		1,380.67
	d Shotcrete concrete, price shall include but is not limited to; steel wire mesh ,concrete with minimum thickness 100mm and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications, drawings and/or as directed by the Engineer.	Sq m		
	e Supply and install where needed High Tensile Steel Bar as shown on drawings and according to specifications and/or as directed by the Engineer.	Ton		92.99
4.08	Gravity Wall: Work includes but is not limited to the execution of gravity retaining walls (40% Stones and 60% concrete Class B 200), price shall include structural excavation, material , labor, formwork, weep holes ,joints , curing , vapor retarder sheets , damp roofing protective coating , chamfered edges, etc., structural backfill and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications, drawings and/or as directed by the Engineer.	Cu m		
4.09	Construction of stone wall as per contract's drawings. Contractor shall provide adequate stone size (maximum size is 12") and color to provide uniform appearance. Work shall include but is not limited to excavation, concrete coping and requirements deemed necessary for the proper performance and completion of the works, as per drawings and specifications and /or as directed by Engineer.	Cu m		0.00

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Bill Of Quantity - R03				Cumulative amount
Pay Item #	Description	Unit of Measure	QTY	
4.10	Supply and install stone boulders (Marabee') for Retaining Walls as per project specifications, drawings and/or as directed by the Engineer.	Cu m		
4.12	Precast Concrete Curbstone			
a	Supply and install precast concrete curbstone for sidewalk. Work includes excavation, compaction, foundation, backing, bedding, joints pointing, painting and all necessary works all according to drawings, specifications and/or directed by the Engineer.	LM	151.50	
b	Supply and install precast concrete curbstone for Medians. Work includes including excavation, compaction, foundation, backing, bedding, joints pointing, painting and all necessary works all according to drawings, specifications and/or directed by the Engineer.	LM		
c	Supply and install Precast concrete edge beam as specified (10x20cm). Work includes but is not limited to; excavation, compaction, foundation, backing, bedding, joints pointing, painting and all necessary works all according to drawings, specifications and/or directed by the Engineer.	LM		
d.	Paint existing Curb stone alternatively black and white or/as otherwise directed or specified. Work includes, filling expansion joints, pointing and all necessary works all according to drawings, specifications and directions of the Engineer.	L.m		
e	Supply and install precast concrete curbstone as specified to replace existing damaged curbstones. Work includes excavation to remove existing damaged curbs, compaction, foundation, backing, bedding, joints pointing, painting and all necessary works all according to drawings, specifications and/or directed by the Engineer.	L.m		
f	Supply and install precast concrete Gutter as specified. Work includes excavation, foundation, backing, bedding, joints pointing and all necessary works all according to drawings, specifications and/or directed by the Engineer.	L.m		
4.13	Interlocking Blocks: Supply and install approved concrete interlocking blocks 60mm thick. Price shall cover the base layer (sand layer underneath the blocks), sub base layer (base course), color, shape, installation and any other items deemed necessary to complete the works, all are subject to Engineer approval. All including patterns of interlocking blocks are according to drawings, specifications and/or as directed by the Engineer.	Sq m		
	b	ditto but 80 mm thick.	Sq m	
SUB-TOTAL Bill No. 4				
5.00	Bill No. 5 - Miscellaneous Works			
	Traffic Signs			

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Bill Of Quantity - R03				Cumulative amount
Pay Item #	Description	Unit of Measure	QTY	
5.01	Supply and fix traffic signs. Work includes but not limited to; excavation, concrete foundations, galvanized mounting poles with black and white paint stripes complete with cap and all other accessories, backfill and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications, drawings and/or as directed by the Engineer .			
	a Circular sign face 600 mm dia.	Each		
	b Triangular sign face 600 mm deep	Each		
	c Octagonal sign face 600 mm deep	Each		
	d Square sign face 600 mm deep	Each		
	e Circular sign face 900 mm dia.	Each		2.00
	f Triangular sign face 900 mm deep	Each		16.00
	g Octagonal sign face 900 mm deep	Each		3.00
	h Directional sign(Black/White)with one board (Single face)installed on double 3" posts	Sq m		2.00
	i Large directional sign(Green/White) installed on triple 3" posts	Sq m		0.00
	j Rectangular chevron signs Type (RS-1)	Each		13.00
	k Rectangular chevron signs Type (RS-2)	Each		6.00
	l Rectangular chevron signs Type (RS-3)	Each		1.00
5.02	Supply and fix traffic signs on existing poles or newly installed poles.			
	a Circular sign face 600 mm dia.	Each		
	b Triangular sign face 600 mm deep	Each		
	c Rectangular sign Plate	Each		
5.03	Road Marking			
	a Continuous and/or intermittent Acrylic paint as shown on drawings, all according to specifications and/or as directed by the Engineer.	Sq m		
	b Continuous and/or intermittent Thermoplastic paint as shown on drawings, all according to specifications and/or as directed by the Engineer.	Sq m		545.31
	c Supply and install edge line single cat eyes as shown on drawings, all according to specifications and/or as directed by the Engineer.	Each		384.00
	d Supply and install double cat eyes as shown on drawings, all according to specifications and/or as directed by the Engineer.	Each		302.00
5.04	Embankment Protection			
	a Grouted rip rap protection to embankments cutting slops and ditches as per project specifications, drawings and/or as directed by the Engineer.	Sq m		0.00
	b Supply and install welded high-density polyethylene (HDPE) cellular confinement system (Geo-cell) as shown on drawings, all according to specifications and/or as directed by the Engineer.	Sq m		
	c Supply and install stone boulders for Retaining Walls as per project specifications, drawings and/or as directed by the Engineer.	Cu m		

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Pay Item #		Description	Unit of Measure	QTY
		Safety Barriers		
5.05		Supply and install galvanized steel guard rail as per project specifications, drawings and/or as directed by the Engineer.	0	
	a	Type N2-ESP plus W1		
	b	Type N2-ESP4-W5	L.m	
	c	Type N2- ESP2-W4	L.m	888.00
	d	Type H1-EDSP2-W5	L.m	
	e	Type H1-EDSP1.33-W4	L.m	
5.07		Supply and install galvanized steel Handrail for pedestrians as per project specifications, drawings and/or as directed by the Engineer.	L.m	
5.08		Concrete New Jersey Barriers		
	a	Supply, transport and install Concrete New Jersey Barrier type BSWF - H2/W2	L.m	
	b	Supply and install Tapered Concrete New Jersey Barriers to be casted in situ as per project specifications, drawings and/or as directed by the Engineer.	L.m	
5.09		Street Lighting		
		Supply and install street lighting. The price shall include lighting poles, electrical panels, R.C foundation class B250 with galvanized anchor bolts as recommended by pole manufacturer, trench (dimensions as shown in contract drawings) with sea sand bedding and single size backfill with concrete block covers and warning tape, concrete manholes and covers, power cables in required PVC conduits, 35 mm2 bare grounding conductor, grounding, copper-clad steel rod F=15mm, L=1.5m next to each pole foundation. Work also includes the connection to the electricity power source and testing with complete operation for the street lighting system and any other requirements deemed necessary for the proper performance and completion of the works under this contract as per project specifications and drawings. The height (H) is the clear vertical distance between the asphalt (finish level) and the lighting unit.		
	a	Single arm H=12 m	Each	
	b	Double arm H=12 m	Each	
	c	Ditto but relocate the existing lighting poles with new lamps and all needed materials as per project specifications, drawings and/or as directed by the Engineer.	Each	
5.10		Landscaping		
	a	Supply and install high quality artificial grass price shall cover the sand layer and plastic liner underneath the grass and the subbase. All including patterns of artificial grass are according to drawings, specifications and/or as directed by the Engineer.	Sq m	

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b	Supply and plant different kinds of flowers ,approved by Engineer price shall cover irrigation pipes necessary for irrigating flowers connected to main water supply , agricultural soil , organic fertilizer. All including patterns of flowers are according to drawings, specifications and/or as directed by the Engineer.	Sq m		
c	Supply and install imported agricultural red soil as directed by the Engineer.	Cu m		
SUB-TOTAL Bill No. 5				
6.00	Bill No.6 - Trunk Sewer			
6.10	Trench Excavation. Trench dimensions are shown on details C-DT21.			
6.1.1	Trench excavation for pipelines: Excavation of trenches in all earth types (soil and / or rock). The work includes Marking, saw cutting of existing pavement, excavation and disposal of excess materials to locations acceptable to the Engineer and local authorities. Trench dimensions are shown on standard details C-DT21. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.			
6.1.1.1	Excavation to depths greater than 2.0 meters to 2.5 meters	L.m		58.35
6.1.1.2	Excavation to depths greater than 2.5 meters to 3.0 meters	L.m		99.70
6.1.1.3	Excavation to depths greater than 3.0 meters to 3.5 meters	L.m		259.50
6.1.1.4	Excavation to depths greater than 3.5 meters to 4.0 meters	L.m		72.95
6.1.1.5	Excavation to depths greater than 4.0 meters to 4.5 meters	L.m		46.25
6.1.2	Pipe zone, Trench zone and final backfill excluding Asphalt reinstatement as shown on details C-DT21. Backfill and compaction up to top of road subgrade (on existing paved surfaces) or up to finished grade (on existing unpaved surfaces). All related works of this item should be implemented in accordance with specifications, drawings and directions of the Engineer.			
6.1.2.1	Backfill for 1500mm diameter RCP pipes.			
6.1.2.1.1	Backfill Trench Zone for pipes at depths greater than 2.0 meters to 2.5 meters	L.m		58.35
6.1.2.1.2	Backfill Trench Zone for pipes at depths greater than 2.5 meters to 3.0 meters	L.m		99.70
6.1.2.1.3	Backfill Trench Zone for pipes at depths greater than 3.0 meters to 3.5 meters	L.m		259.50
6.1.2.1.4	Backfill Trench Zone for pipes at depths greater than 3.5 meters but less than 4.0 meters	L.m		72.95

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Pay Item #	Description	Unit of Measure	QTY	
6.1.2.1.5	Backfill Trench Zone for pipes at depths greater than 4.0 meters to 4.5 meters	L.m	46.25	
6.20	Supply ,Install and Deliver Pipes and fittings			
6.2.1	Furnish and install 1500 mm RCP with all necessary rubber rings, adhesive material needed for proper pipe jointing. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.	L.m	542.75	
6.30	Manholes			
6.3.1	Supply and Construct Manhole Type E. The manhole is rectangular manhole (2500 X 2500 mm) cast in-situ. Work shall include reinforcement steel, concrete, step irons, channel, benching, accessories including excavation damp roofing backfilling, and any other related works. All according to Specification, Drawings (DT-004) and to the Satisfaction of the Engineer, for the following depths:			
6.3.1.1	Sewage Manholes greater than 2.0 meter depth to 2.5 meters depth.	ea	0.00	
6.3.1.2	Sewage Manholes greater than 2.5 meter depth to 3.0 meters depth.	ea	0.00	
6.3.1.3	Sewage Manholes greater than 3.0 meter depth to 3.5 meters depth.	ea	2.00	
6.3.1.4	Sewage manholes greater than 3.5 meter depth to 4.0 meters depth.	ea	5.00	
6.3.1.5	Sewage Manholes greater than 4.0 meter depth to 4.5 meters depth.	ea	2.00	
6.3.1.6	Sewage Manholes greater than 4.5 meter depth to 5.0 meters depth.	ea	4.00	
6.40	Manhole Covers			
6.4.1	Furnish and install 40 tons bearing capacity cast iron cover DN 600 mm and frame covering for the manholes as per standard detail C-DT28 . Rate shall include casting reinforced concrete under cover frame. All related works of this item should be implemented in accordance with specifications, drawings and as directed by the Engineer.	ea	14.00	
6.50	Break into Existing Sewers			
6.5.1	Break into the existing sewer manhole, connect the sewer pipe and make good operating on site. work to include labor, materials, equipment, flow diversion if required and any other related works. All as described in the specifications, drawings and as directed by the Engineer.	ea	1.00	
6.60	Replacement of Existing Sewer Manhole (Manhole MH 014, Sheet CS-003)			

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Pay Item #	Description	Unit of Measure	QTY	
6.6.1	Replacement of existing deteriorated sewer manholes by cutting into the existing sewers, casting a new manhole and connecting/ reconnecting the new/ existing sewer lines and reconnecting the new manhole to the existing sewer network where required. Cost is also to include excavation, labor, equipment, flow diversion (via bypass or pumping, etc.) and any other works or materials required to complete works to Engineer satisfaction.	LS	1.00	
6.70	Sewer Testing (Specification Section 02702 Parg. 3.7	LS	1.00	
6.80	Sewer line marking	ea	3.00	
SUB-TOTAL Bill No. 6				
7.00	Bill No. 7 - Water Main Transmission Pipeline			
7.10	Trench Excavation and Backfill. Trench dimensions and backfill zones are shown on details C-DT21, C-DT22 and C-DT23			
7.1.1	Trench excavation for pipelines: Excavation of trenches in all Earth types (soil and / or rock) and disposal of excess materials to locations acceptable to the Engineer and local authorities. Trench dimensions are shown on details C-DT21, C-DT22 and C-DT23			
7.1.1.1	Trench excavation for 100 mm pipes St. A0+000 to St. A1+056	L.m	1,062.92	
7.1.1.2	Trench excavation for 50 mm pipes St. B0+000 to St. B0+984	L.m	1,036.47	
7.1.2	Pipe zone, Trench zone and final backfill excluding Asphalt reinstatement as shown on details C-DT21. Backfill and compaction up to top of road subgrade (on existing paved surfaces) or up to finished grade (on existing unpaved surfaces). All related works of this item should be implemented in accordance with specifications, drawings and directions of the Engineer.			
7.1.2.1	Backfill for pipe and trench zone, 100mm pipes from St. A0+000 to St. A1+056	L.m	1,062.92	
7.1.2.2	Backfill for pipe and trench zone, 50mm pipes from St. B0+000 to St. B0+984	L.m	1,036.47	
7.20	Supply ,Install and Deliver Pipes and fittings			
7.2.1	Supply ,Install , Deliver of pipes and associated fittings by Contractor as shown in the drawings			
7.2.1.1	Steel Pipe and fittings, 100mm pipes from St. A0+000 to St. A1+056	L.m	1,062.92	
7.2.1.2	Galvanized Steel Pipe and fittings, 50mm pipes from St. B0+000 to St. B0+984	L.m	1,036.47	
7.30	Valves, Connections and Chambers			

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Pay Item #	Description	Unit of Measure	QTY	
7.3.1	Isolation Flanged (>2") Buried Gate Valves & Chambers or threaded (≤2") Buried Gate Valves & Valve Box			
7.3.1.1	Supply and install complete DN 100 mm flanged Gate Valve and its chamber as shown on detail No. C-DI67 and according to the related clauses of the technical specifications.	ea	2.00	
7.3.1.2	Ditto but with different diameter DN 50	ea	0.00	
7.3.2	Supply, install and construct complete Water Meter Connection Chambers			
7.3.2.1	Supply and install all valves, fittings, ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and civil work. Refer to Hebron WWTP Connection Chamber Drawing CHD-001, P&ID I-0002 and according to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	0.00	
7.3.2.2	Supply and install all valves, fittings, ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and civil work. Refer to Qilqis Connection Chamber Drawing CHD-002, P&ID I-0003 and according to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	0.00	
7.3.2.3	SCADA head end integration and programing for each water meter connection chamber per section 13500B, P&ID, drawings and specifications	ea	0.00	
7.3.2.4	Supply & install Instruments for each water meter connection chamber per section 13500A, P&ID, drawings and specifications including all appritenances required for complete and functional system.	ea	0.00	
7.3.2.5	Testing and Commissioning of Electrical and Control Systems and Equipment complete according to design drawings and specifications for each Water meter connection Chamber.	ea	0.00	
7.3.3	3.3 Flow Monitoring Chamber (As per B&V STANDARD DESIGN PACKAGE- M-VCFM SHEET)			
7.3.3.1	Supply, install all valves, fittings ...etc., and construct Main Monitoring water meter chamber with RTU, Fence, anntena and civil work complete at ST.0+000 as per B&V standard details and according to the related clauses of the technical specifications. DN 100 mm for all internal fittings. Refer to P&ID I-0001.	ea	0.00	
7.3.3.2	SCADA head end integration and programing for the flow monitoring chambers per section 13500B, P&ID, drawings and specifications	ea	0.00	
7.3.3.3	Supply Instruments for the flow monitoring chambers per section 13500A, P&ID, drawings and specifications including all appritenances required for complete and functional system.	ea	0.00	
7.3.3.4	Electrical Utility Power supply including all cost for supplying power for the flow monitoring chambers	ea	0.00	
7.3.3.5	Testing and Commissioning of Electrical and Control Systems and Equipment complete according to design drawings and specifications	ea	0.00	

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Pay Item #	Description	Unit of Measure	QTY	
7.3.4		Combination Air Valve Chambers		
7.3.4.1	Supply and install complete DN50 mm Combination Air Valve (combination of air and vacuum valve and air releases valve) and its chamber on DN100 mm pipeline as per detail C-DT62, and according to the related clauses of the technical specifications.	ea	2.00	
7.3.5		Washout Chamber		
7.3.5.1	Supply and install complete DN50 washout and its chamber on DN 100mm pipes as per detail C-DT60 washout outfall in urban areas" and according to the related clauses of the technical specifications.	ea	2.00	
7.40		Cleaning, Washing, Testing & Disinfection of pipelines		
7.4.1	4.1 Cleaning, washing, hydraulic test and disinfection for the entire pipelines in the project.	L.m	2,120.69	
7.50		Pipeline Marking		
7.5.1	Markers as per Specs & Detail C-518.	ea	5.00	
7.60	6.0 Pipeline Reinforced Concrete Encasement (As per B&V STANDARD DESIGN PACKAGE- C-DT19 SHEET)			
7.6.1	6.1 Reinforced concrete pipe encasement for pipes run on top of culvert, price to include reinforcement bars.	cu m	0.00	
7.70		Connection to Existing Water Pipeline		
7.7.1	Connection to the existing water pipeline DN50. the price shall include cutting into the existing water pipeline and connecting the new proposed water pipe. price shall include all required fittings and accessories to make operational to the full satisfaction of Engineer and according to Specifications. work to include supply and installing a new DN50 gate valve on the new pipeline.	ea	1.00	
7.7.2	Replacement of existing water chamber, work includes all required concrete, reinforcement steel, heavy duty cover, steps and any other accessories and fittings. All according to specifications and Engineer approval. The chamber shall be made as shown on detail No. C-DT67.	ea	1.00	
SUB-TOTAL Bill No.7				
8.00		General Requirements		
8.10	Training	LS		
8.20	O&M Technical Manuals	LS	1.00	
8.30	Site inspection/ Support/ Start up	LS	1.00	
SUB-TOTAL Bill No.8				
9.00		Bill No. 9 - Mobilization and Demobilization		

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a	Mobilization of all site offices, plant, equipment, supplies, and maintenance of traffic, permanent and temporary project signs, temporary works, vehicle and material storage areas and other startup work not mentioned in this BOQ required for the completion of the Works. The lump sum shall include all obligations and liabilities conferred on the Contractor by the Bidding Documents including insurances, securities and the maintenance of records. Payment for this item will be paid after the contractor's complete mobilization as per sections 01505, 01580, 01590 and 01591 of the contract specs, but not limited to site offices (fully furnished and equipped), computers and all required IT equipment, internet, key personnel, approved schedule and work plan. Mobilization will only be paid for the main task order. No additional Mobilization cost will be paid for any additional work under this task order or work done under the DAY WORK line item.	4.0% of BOQ (items 1 to 8 Value)	1.00	
b	Demobilization from all, but not limited to, site offices and plants, storage areas and any other shutdown cost not mentioned elsewhere in this BOQ as required in Section 01700 of the Contract specs. Payment for this item will be paid after the contractor's complete demobilization as per section 1700 of the contract specs. Demobilization will only be paid to the Contractor upon final completion and the project hand over. No additional Demobilization cost will be paid for any additional work under this task order or work done under the DAY WORK line item.	1.0% of BOQ (items 1 to 8 Value)	0.00	
10.00	Bill No. 10 - Power Utility Connection for Hebron WWTP			
10.10	Furnish and install power connection for Hebron WWTP, including but not limited to Construction of Medium Voltage power supply lines with a total length of approximately 2.0 km. The power supply system will be designed and constructed by Hebron Electric Power Company (HEPCO) in full coordination with Engineer and contractor. The price for this work shall include HEPCO's cost and Contractor's Markup. The power supply will have two different installations; Underground conductors and cables inside the boundary of the village and Overhead lines outside the boundary of the village and towards the WWTP, all as per Supplemental Specification Section 01015 and Specification Section 01620. (OPTIONAL)			
SUB-TOTAL Bill No.10				
VO 1	New Items			
VO 1.1	Changes in the Flow Monitoring Chambers			
VO 1.1.1	Supply, install and construct complete Water Meter Connection Chambers (PN 25)			

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a.	Supply and install all valves, fittings ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and all related civil work. Refer to revised details in (Dwg. CHD 001 Rev.1) for Hebron WWTP Connection Chamber and to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	1.00	
b.	Supply and install all valves, fittings ...etc, and construct complete water meter connection chambers and connect to the existing networks and mains and all civil work. Refer to revised details in (Dwg. CHD 002 Rev1) for Qelqes Connection Chamber and according to the details and related clauses of the technical specifications and drawings for all internal fittings.	ea	1.00	
VO 1.1.2	Flow Monitoring Chamber (PN 25)			
a.	Supply, install all valves, fittings ...etc., and construct Main Monitoring water meter chamber with civil work complete at ST.0+000 as per new detail (Dwg CHD-003) for HAR main connection and according to details in the related clauses of the technical specifications.	ea	1.00	
VO 1.2	Sub grade preparation including removal of existing asphalt layer.	Sq m	8,955.12	



Annex O

Release Letter

State of Palestine
Ministry of Local Government

Hebron Municipality

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الرقم : ٣٥٥٢/٤١٢

التاريخ : 2015/12/3

لمن يهمه الامر

تشهد بلدية الخليل أن شركة سقا وخضري م.م. مقاولات عامّة بريئة الذمّة من اية
مستحقات مالية عن مشروع انشاء طريق محطة معالجة الصرف الصحي / الخليل - وادي الدور.

وبناء على طلب شركة سقا وخضري م.م. مقاولات عامّة أعطيت هذه الشهادة حسب الأصول.



نسخة / ادارة الشؤون الهندسية