

1 **GUAM CONSOLIDATED COMMISSION ON UTILITIES**

2 **RESOLUTION NO. 28 – FY2015**

3 **RELATIVE TO MODIFICATION OF THE CONSTRUCTION MANAGEMENT**
4 **SERVICES CONTRACT WITH AMORIENT FOR THE CHAOT AND AGANA**
5 **HEIGHTS DESIGN/BUILD RESERVOIR REPLACEMENT PROJECT RELATIVE TO**
6 **PARAGRAPH 28(C) OF THE NOVEMBER 2011 COURT ORDER**

7
8 **WHEREAS**, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities
9 (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the
10 Guam Waterworks Authority (“GWA”); and
11

12 **WHEREAS**, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation
13 established and existing under the laws of Guam; and
14

15 **WHEREAS**, GWA currently has a number of critical Court Order (“CO”) projects
16 including the Chaot and Agana Heights Design/Build Reservoir Replacement Project which is
17 Item 28 (c) of the amended stipulated order; and
18

19 **WHEREAS**, Resolution No. 22 – FY2013 authorized total funding of Six Hundred
20 Thirty Nine Thousand Three Hundred Sixteen Dollars and Ninety Cents (\$639,316.90) along
21 with a twenty percent (20%) contingency to bring the total authorized funding amount to a
22 maximum of Seven Hundred Sixty Seven Thousand One Hundred Eighty Dollars and Twenty
23 Eight Cents (\$767,180.28) for the design review and construction management services; and
24

25 **WHEREAS**, GWA following CCU approval in Resolution 22 – FY2013, GWA
26 contracted with AMOrient Engineering to provide design review and construction management
27 services for the Chaot and Agana Heights Design/Build Reservoir Replacement project in the
28 amount of Six Hundred Thirty Nine Thousand Three Hundred Sixteen Dollars and Ninety Cents
29 (\$639,316.90); and
30
31
32

1 **WHEREAS**, GWA issued Change Order No. 1 to AMOrient Engineering for additional
2 pre-construction management services that were required due to the general construction
3 Contractor delay in starting construction. The total value of the Contract was increased to Seven
4 Hundred Sixty Seven Thousand One Hundred Eighty Dollars and Twenty Eight Cents
5 (\$767,180.28) and extended the services to October 17, 2014; and
6

7 **WHEREAS**, due to continued delay by the construction Contractor, the revised project
8 construction completion date is projected to be August 31, 2015 (Exhibit A – Contractor’s
9 Schedule); and
10

11 **WHEREAS**, Section 4: Liquidated Damages of the Contract with the Contractor
12 building the Chaot and Agana Heights water tanks allows for GWA to assess liquidated damages
13 to the Contractor in the amount of Two Thousand Nine Hundred Dollars (\$2,900.00) per day
14 (excluding Sundays and legal holidays) for breach of the Contract. GWA intends to assess
15 liquidated damages to the construction Contractor in the amount of One Thousand Eight
16 Hundred Dollars (\$1,800.00) for each unexcused working day starting October 18, 2014 until
17 Final Completion to cover the additional cost related to construction management services due to
18 the construction Contractor delays in completing the project on time; and
19

20 **WHEREAS**, in order to retain the construction management services to cover October
21 18, 2014 to August 31, 2015 which involves an additional 260 working days; not including 11
22 Government of Guam holidays and 46 Sundays that are not included in the Contract, an
23 additional Four Hundred Sixty Eight Thousand Dollars (\$468,000.00) is needed to ensure that
24 Construction Management Services are continuously provided for the project; and
25

26 **WHEREAS**, GWA Management is requesting authorization to increase the funding
27 amount by Four Hundred Sixty Eight Thousand Dollars (\$468,000.00) with an additional ten
28 percent (10%) contingency of Forty Six Thousand Eight Hundred Dollars (\$46,800.00) for a
29 total contract amount of Five Hundred Fourteen Thousand Eight Hundred Dollars (\$514,800.00)
30 to fund the additional construction management cost; and
31
32

1 **WHEREAS**, the funding source will be Internal Funded CIP with PW 12-04 and PW 05-
2 05 as alternate sources; and

3
4 **WHEREAS**, money received from the liquidated damages will be applied to funding
5 sources used for the additional construction management work; and

6
7 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
8 does hereby approve the following:

- 9 1. The recitals set forth above hereby constitute the findings of the CCU; and
- 10 2. The CCU hereby authorizes the additional base contract amount of Four
11 Hundred Sixty Eight Thousand Dollars (\$468,000.00) with an additional ten
12 percent (10%) contingency of Forty Six Thousand Eight Hundred Dollars
13 (\$46,800.00) for a total amount of Five Hundred Fourteen Thousand Eight
14 Hundred Dollars (\$514,800.00) to fund the additional construction
15 management cost for the project; and
- 16 3. The CCU hereby approves the total funding of One Million Two Hundred
17 Eighty One Thousand Nine Hundred Eighty Dollars and Twenty Eight Cents
18 (\$1,281,980.28) for Construction Management Services relative to the
19 Contract between AMOrient and GWA; and
- 20 4. Funding source will be Internal Funded CIP with PW 12-04 and PW 05-05 as
21 alternate sources; and
- 22 5. Money received from the liquidated damages will be applied to funding
23 sources used for the additional construction management work.

24
25 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the adoption
26 of this Resolution.

27 /

28
29 /

30
31 /

32

1 **DULY AND REGULARLY ADOPTED**, this 26th day of May 2015.

2 Certified by:

Attested by:

3
4 J.T.D.

5 **JOSEPH T. DUENAS**
6 Chairperson

7 J. George Bamba
8 **J. GEORGE BAMBA**
9 Secretary

10 I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as
11 evidenced by my signature above do hereby certify as follows:

12 The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular
13 meeting by the members of the Guam Consolidated Commission on Utilities, duly and
14 legally held at a place properly noticed and advertised at which meeting a quorum was
15 present and the members who were present voted as follows:

16
17 AYES: 4
18 NAYS: 0
19 ABSTENTIONS: 0
20 ABSENT: 1



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32



GUAM WATERWORKS AUTHORITY

"Better Water, Better Lives."

Gloria B. Nelson Public Service Building | 688 Route 15 | Mangilao, Guam 96913

Tel: (671) 300-6846

Issues for Decision

Resolution 28-FY2015

Relative to Modification of the Construction Management Services for the PW 12-04 Chaot and Agana Heights Design/Build Reservoir Replacement Project; Court Order Paragraph 28(C)

What is the project's objective? Is it necessary and urgent?

The objective of this modification is to increase the funding authorization for the project Construction Manager to cover CM services for the period of October 18, 2014 to August 31, 2015 (260 working days; not including 11 Government of Guam holidays and 46 Sundays). CM services are necessary as the CM oversees the construction activities on behalf of GWA thus to continue the concrete tank construction project requires a CM on board. The need for additional services is due to delays by the construction contractor.

Where is the location?

The Construction Management services are for the construction activities related to the Chaot 0.5 MG tank located in the village of Chalan Pago and the Agana Heights 0.5MG tank located in Agana Heights.

How much will it cost?

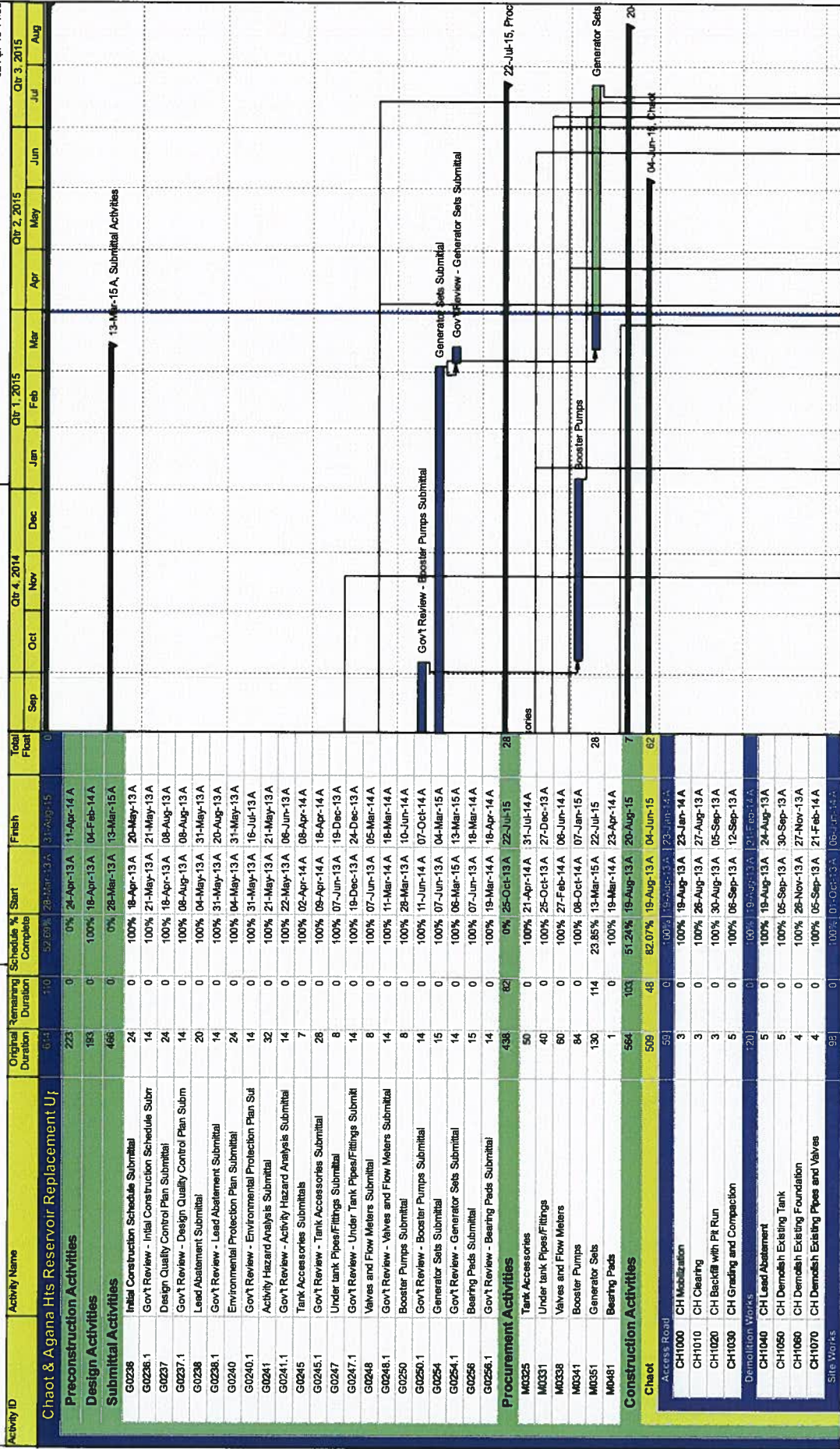
The modification to the CM services contract will increase the funding amount by Four Hundred Sixty Eight Thousand Dollars (\$468,000.00). With an additional ten percent (10%) contingency of Forty Six Thousand Eight Hundred Dollars (\$46,800.00), the total funding amount will be Five Hundred Fourteen Thousand Eight Hundred Dollars (\$514,800.00).

When will it be completed?

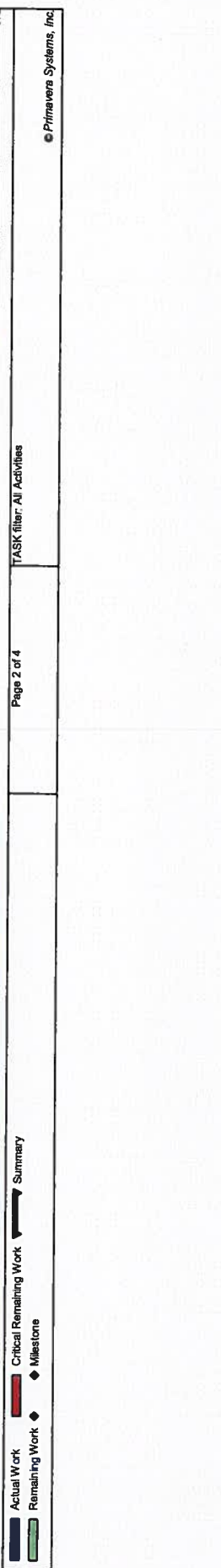
The CM service is anticipated to be completed at the same time all construction activities are completed or by August 31, 2015. See Exhibit A as part of the resolution.

What is its funding source?

The funding source will be Internal Funded CIP with PW 12-04 and PW 05-05 as alternate sources. It should be noted that GWA intends to assess Liquidated Damages to the construction contractor from which funds related to the LD will reimburse the funding source uses.

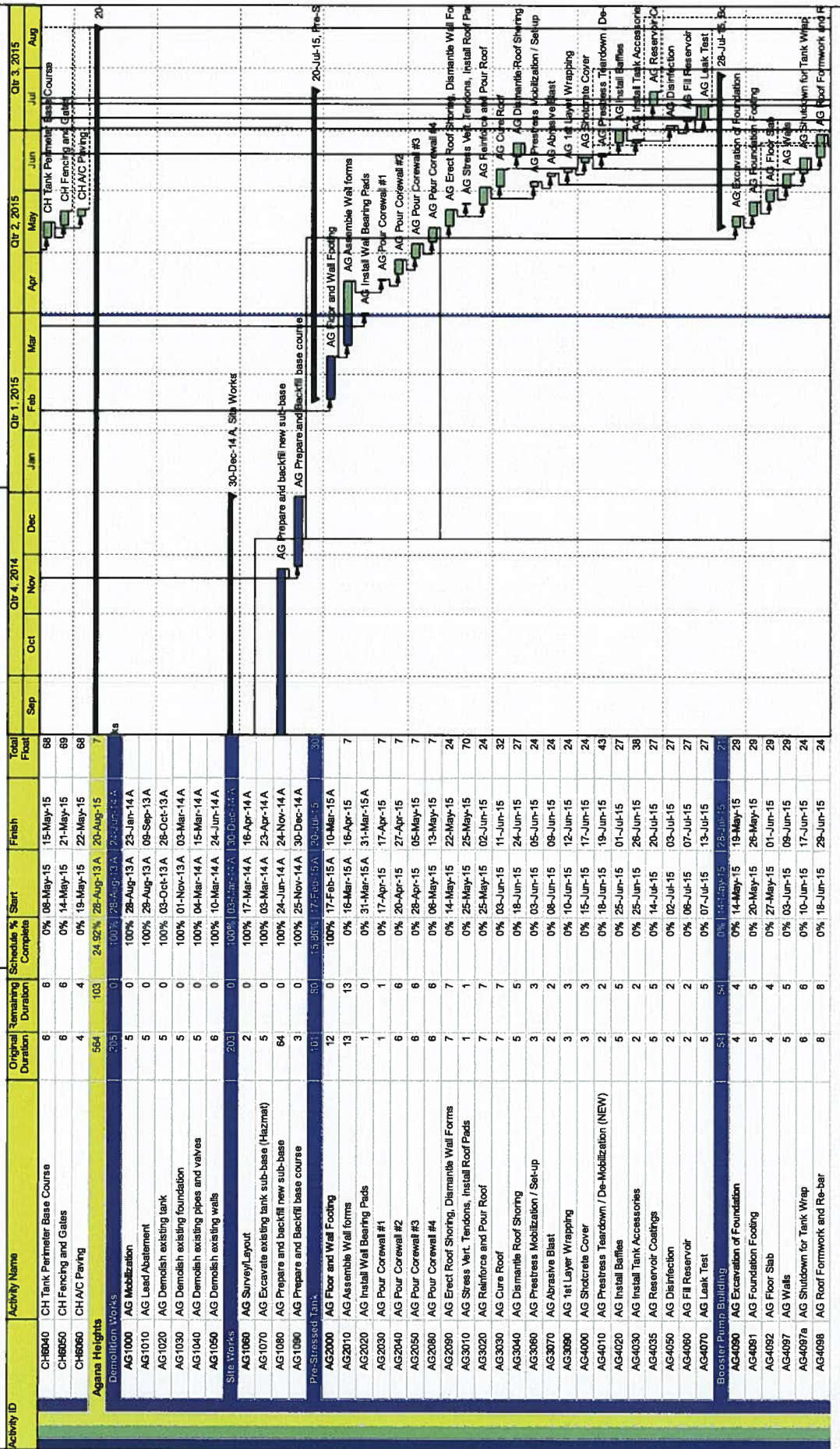


Activity ID	Activity Name	Original Duration	Remaining Duration	Schedule % Complete	Start	Finish	Total Float
CH1080	CH Survey/Layout	2	0	100%	26-Nov-13A	27-Nov-13A	
CH1090	CH Excavate Existing Tank Sub-base	5	0	100%	01-Oct-13A	19-Nov-13A	
CH2000	CH Prepare and Backfill new Sub-base	5	0	100%	12-Dec-13A	17-Mar-14A	
CH2010	CH Backfill and Compact new Base	2	0	100%	26-Mar-14A	16-Apr-14A	
CH2015	CH Foundation Repair / Rework	22	0	100%	06-May-14A	08-Jun-14A	
Pre-Pressed Tank							
CH2020	CH Floor and Wall Footing	7	0	100%	17-Jun-14A	30-Jun-14A	
CH2030	CH Assemble Wall Forms	12	0	100%	01-Jul-14A	28-Jul-14A	
CH2040	CH Install Wall Bearing Pads	1	0	100%	28-Jul-14A	28-Jul-14A	
CH2050	CH Pour Corewall #1	1	0	100%	28-Jul-14A	28-Jul-14A	
CH2060	CH Pour Corewall #2	6	0	100%	29-Jul-14A	05-Aug-14A	
CH2070	CH Pour Corewall #3	6	0	100%	06-Aug-14A	12-Aug-14A	
CH3000	CH Pour Corewall #4	6	0	100%	13-Aug-14A	20-Aug-14A	
CH3010	CH Erect Roof Shoring, Disassemble wall forms	9	0	100%	21-Aug-14A	30-Aug-14A	
CH3030	CH Stress Vert. Tendons, Install Roof Pads	1	0	100%	02-Sep-14A	02-Sep-14A	
CH3040	CH Reinforce and Pour Roof	9	0	100%	02-Sep-14A	11-Sep-14A	
CH3050	CH Cure Roof	7	0	100%	12-Sep-14A	19-Sep-14A	
CH3060	CH Dismantle Roof Shoring	5	0	100%	13-Oct-14A	17-Oct-14A	
CH3080	CH Prestress Mobilization / Set-up	9	0	100%	12-Sep-14A	22-Sep-14A	
CH3090	CH Abrasive Blast	2	0	100%	30-Sep-14A	01-Oct-14A	
CH4010	CH 1st Layer Wrapping	3	0	100%	02-Oct-14A	08-Oct-14A	
CH4020	CH Shotcrete Cover	3	0	100%	22-Oct-14A	05-Nov-14A	
CH4030	CH Prestress Teardown / De-Mobilization	2	0	100%	06-Nov-14A	21-Nov-14A	
CH4040	CH Install Baffles	15	19	100%	26-Jan-15A	24-Apr-15	68
CH4050	CH Install Tank Accessories	8	3	100%	19-Jan-15A	02-Apr-15	101
CH4055	CH Reservoir Coatings	7	7	0%	08-May-15	15-May-15	75
CH4070	CH Disinfection	2	2	0%	27-Apr-15	28-Apr-15	68
CH4080	CH Fill Reservoir	4	4	0%	28-Apr-15	01-May-15	68
CH4090	CH Leak Test	5	5	0%	01-May-15	07-May-15	68
Yard Paving Work							
CH5010	CH Excavation for U/ground Pipes	5	0	100%	16-Dec-13A	04-Jun-15	65
CH5020	CH Underground Pipe Installation	4	0	100%	18-Dec-13A	24-Feb-14A	
CH5023	CH Install Meter and Valve Vaults No. 1	10	5	100%	16-Dec-14A	06-Apr-15	75
CH5025	CH Excavate, Erect Formwork Outlet Vaults	10	7	30%	05-Jan-15A	06-Apr-15	72
CH5030	CH Tie Rebar, Pour Concrete Outlet Vaults	6	6	0%	09-Apr-15	16-Apr-15	72
CH5040	CH Water Outlets #1 Notification	1	0	100%	14-Jan-14A	24-Jan-14A	
CH5045	CH Connect to Existing Waterman	12	12	0%	12-Feb-14A	12-Feb-14A	
CH5050	CH Valves and Fittings	3	3	0%	10-Apr-15	27-Apr-15	72
CH5060	CH Flowmeter	3	3	0%	23-Apr-15	27-Apr-15	72
CH5070	CH Chlorination System	5	5	0%	28-Apr-15	04-May-15	74
CH5080	CH SCADA Piping	2	2	0%	01-May-15	04-May-15	74
CH5090	CH SCADA Hooked-up	4	4	0%	05-May-15	08-May-15	74
CH6000	CH SCADA Programming	4	4	0%	01-Jun-15	04-Jun-15	59
CH6010	CH Disinfection of Pipes and Valves	2	2	0%	28-Apr-15	28-Apr-15	68
CH6020	CH Piping Leak Test	1	1	0%	28-Apr-15	28-Apr-15	72
CH6030	CH Backfilling	3	3	0%	28-Apr-15	01-May-15	72

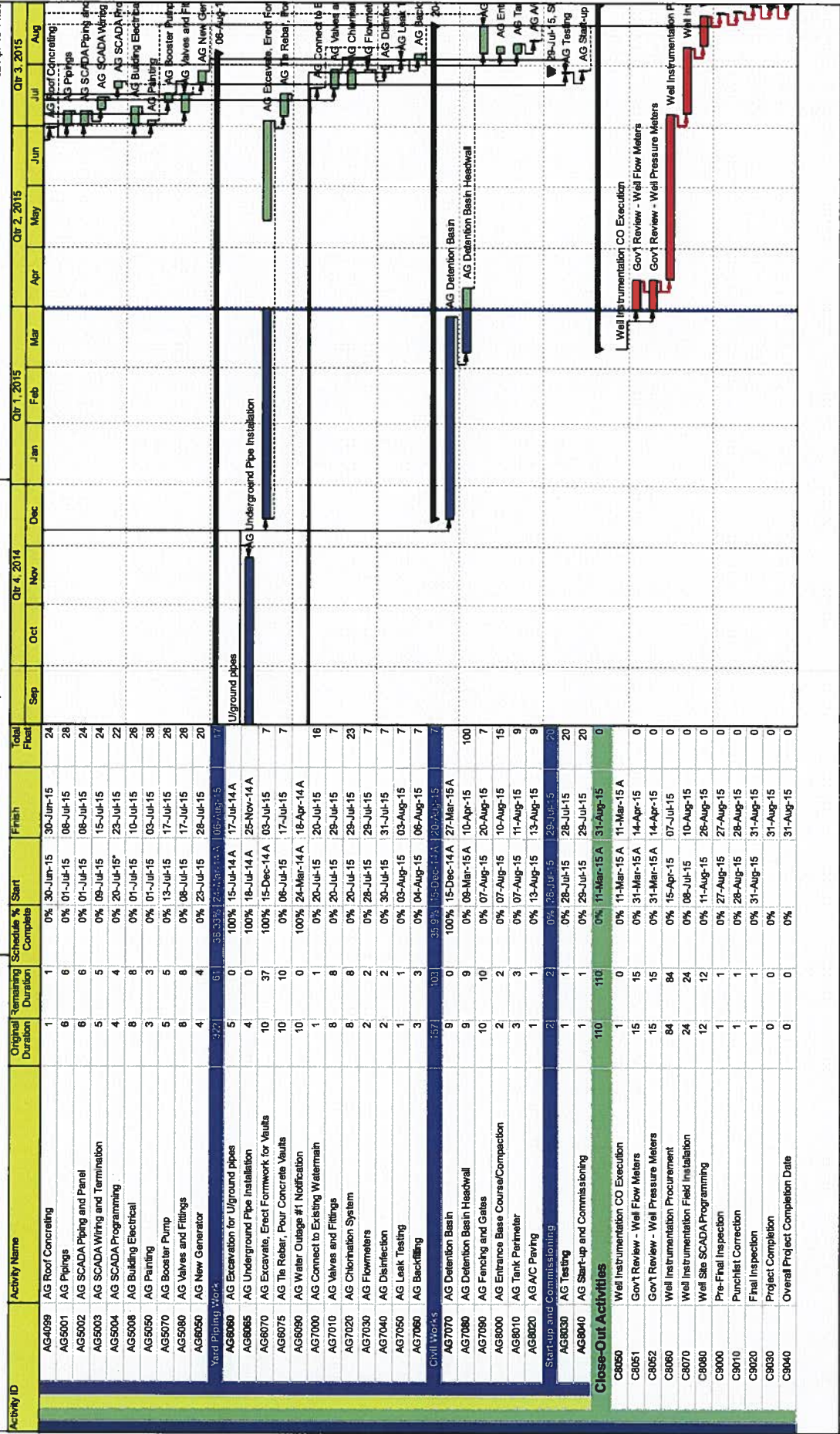


█ Actual Work
 █ Critical Remaining Work
 █ Remaining Work
 ◆ Milestone

© Primavera Systems, Inc.



Activity ID	Activity Name	Original Duration	Remaining Duration	Schedule % Complete	Start	Finish	Total Float
CH8040	CH Tank Perimeter Base Course	6	6	0%	08-May-15	15-May-15	68
CH8050	CH Fencing and Gates	4	4	0%	14-May-15	21-May-15	69
CH8060	CH AC Paving	4	4	0%	19-May-15	23-May-15	68
Agana Heights		564	103	24.92%	28-Aug-13A	20-Aug-15	7
Demolition Works							
AG1000	AG Mobilization	5	0	100%	28-Aug-13A	23-Jun-14A	0
AG1010	AG Leas Abatement	5	0	100%	28-Aug-13A	23-Jan-14A	0
AG1020	AG Demolish existing tank	5	0	100%	03-Oct-13A	09-Sep-13A	0
AG1030	AG Demolish existing foundation	5	0	100%	01-Nov-13A	28-Oct-13A	0
AG1040	AG Demolish existing pipes and valves	5	0	100%	04-Mar-14A	03-Mar-14A	0
AG1050	AG Demolish existing walls	6	0	100%	10-Mar-14A	15-Mar-14A	0
Site Works							
AG1060	AG Survey/lay out	2	0	100%	08-Jan-14A	30-Dec-13A	0
AG1070	AG Excavate existing tank sub-base (Hazmat)	5	0	100%	03-Mar-14A	16-Apr-14A	0
AG1080	AG Prepare and backfill new sub-base	64	0	100%	24-Jun-14A	24-Nov-14A	0
AG1090	AG Prepare and Backfill base course	3	0	100%	25-Nov-14A	30-Dec-14A	0
Pre-Stressed Tank							
AG2000	AG Floor and Wall Footing	12	0	100%	17-Feb-15A	30-Jul-15	30
AG2010	AG Assemble Wall forms	13	13	0%	16-Mar-15A	16-Apr-15	7
AG2020	AG Install Wall Bearing Pads	1	0	0%	31-Mar-15A	31-Mar-15A	0
AG2030	AG Pour Corewall #1	1	1	0%	17-Apr-15	17-Apr-15	7
AG2040	AG Pour Corewall #2	6	6	0%	20-Apr-15	27-Apr-15	7
AG2050	AG Pour Corewall #3	6	6	0%	28-Apr-15	05-May-15	7
AG2060	AG Pour Corewall #4	6	6	0%	06-May-15	13-May-15	7
AG2090	AG Erect Roof Shoring, Dismantle Wall Forms	7	7	0%	14-May-15	22-May-15	24
AG3010	AG Stress Vert. Tendons, Install Roof Pads	1	1	0%	25-May-15	25-May-15	70
AG3020	AG Reinforce and Pour Roof	7	7	0%	25-May-15	02-Jun-15	24
AG3030	AG Cure Roof	7	7	0%	03-Jun-15	11-Jun-15	32
AG3040	AG Dismantle Roof Shoring	5	5	0%	18-Jun-15	24-Jun-15	27
AG3060	AG Prestress Mobilization / Set-up	3	3	0%	03-Jun-15	05-Jun-15	24
AG3070	AG Abrasive Blast	2	2	0%	08-Jun-15	08-Jun-15	24
AG3090	AG 1st Layer Wrapping	3	3	0%	10-Jun-15	12-Jun-15	24
AG4000	AG Shotcrete Cover	3	3	0%	15-Jun-15	17-Jun-15	24
AG4010	AG Prestress Takedown / De-Mobilization (NEW)	2	2	0%	18-Jun-15	19-Jun-15	43
AG4020	AG Install Barries	5	5	0%	25-Jun-15	01-Jul-15	27
AG4030	AG Install Tank Accessories	2	2	0%	25-Jun-15	28-Jun-15	38
AG4035	AG Reservoir Coatings	5	5	0%	14-Jul-15	20-Jul-15	27
AG4050	AG Disinfection	2	2	0%	02-Jul-15	03-Jul-15	27
AG4060	AG Fill Reservoir	2	2	0%	06-Jul-15	07-Jul-15	27
AG4070	AG Leak Test	5	5	0%	07-Jul-15	13-Jul-15	27
Booster Pump Building							
AG4090	AG Excavation of Foundation	4	4	0%	14-May-15	28-Jun-15	2
AG4081	AG Foundation Footing	5	5	0%	20-May-15	26-May-15	29
AG4082	AG Floor Slab	4	4	0%	27-May-15	01-Jun-15	29
AG4087	AG Walls	5	5	0%	03-Jun-15	09-Jun-15	29
AG4097a	AG Shutdown for Tank Wrap	6	6	0%	10-Jun-15	17-Jun-15	24
AG4098	AG Roof Formwork and Re-bar	8	8	0%	18-Jun-15	28-Jun-15	24



Legend:
█ Actual Work
█ Remaining Work
◆ Critical Remaining Work
◆ Milestone
█ Summary

TASK filter: All Activities

Page 4 of 4

© Primavera Systems, Inc.