



TOWN OF PALM BEACH

Town Manager's Office

TENTATIVE -
SUBJECT TO
REVISION

UNDERGROUND UTILITIES TASK FORCE MEETING

TOWN HALL
COUNCIL CHAMBERS-SECOND
FLOOR 360 SOUTH COUNTY ROAD

AGENDA

Tuesday, December 5, 2017

9:00 AM

Welcome!

For information regarding procedures for monitoring or participating in Task Force Meetings, please refer to the end of this agenda.

- I. CALL TO ORDER AND ROLL
Jeffery Smith, Chairman
Donald Gulbrandsen, Vice Chairman
Dennis Bottorff
W. Anthony Dowell
Susan Gary
Nicki McDonald
Thomas Parker
Harry Wolin
- II. PLEDGE OF ALLEGIANCE
- III. APPROVAL OF AGENDA
- IV. COMMUNICATIONS FROM CITIZENS (For Matters Not on the Agenda; 3 Minute Limit Please. Matters on the Agenda may be addressed at the time the item comes up for discussion.)
- V. MINUTES
 - A. UUTF Meeting Minutes of November 7, 2017

VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORT

A. Review of Project & Dashboard, Summary of Project Status

Steven Stern, Project Manager

B. Whiting-Turner Contracting Company; Phase 1 South Presentation

Bo Huggins, Superintendent, Whiting Turner Construction

C. Burkhardt Construction, Inc.; Phase 1 North Presentation

Marc Kleisley, Project Principal, Burkhardt Construction

D. Kimley-Horn Monthly Status Report

Kevin Schanen, P.E., Kimley-Horn

VII. AT&T FIBER OPTIC SYSTEM, STATUS UPDATE

Steven Stern, Project Manager

VIII. PEER REVIEW OF MASTER PLAN, REMINDER OF FINAL REPORT DELIVERY

Patricia Strayer, Town Engineer

IX. ANY OTHER MATTERS

X. ADJOURNMENT

PLEASE TAKE NOTE:

- The progress of this meeting may be monitored by visiting the Town's website (www.townofpalmbeach.com) and selecting "Your Government" and then selecting "Live Meeting Audio." If you have questions regarding that feature, please contact the Office of Information Technology at (561) 227-6315. The audio recording of the meeting will appear within 24 hours after the conclusion of the meeting under "Agendas, Minutes, and Audio."
- Disabled persons who need an accommodation in order to participate in the Underground Utilities Task Force meeting are requested to contact the Town Manager's Office at 838-5410 or through the Florida Relay Service by dialing 1-800-955-8770 for voice callers or 1-800-955-8771 for TDD callers, at least two (2) working days before this meeting.

PROCEDURES FOR PUBLIC PARTICIPATION

Citizens desiring to address the Task Force should proceed toward the public microphones when the applicable agenda item is being considered to enable the Chair to acknowledge you.

COMMUNICATIONS FROM CITIZENS:

Any citizen is entitled to be heard concerning applicable matters under the section(s) entitled "Communications from Citizens," subject to the three-minute limitation.

OTHER AGENDA ITEMS:

Any citizen is entitled to be heard on any official agenda item when the Task Force calls for public comments, subject to the three-minute limitation.

Task Force Meetings are public business meetings and as such, the Task Force retains the right to limit discussion on any issue.

Post Office Box 2029 * 360 South County Road * Palm Beach, Florida 33480
Telephone (561) 838-5410 * Facsimile (561) 838-5411 * townmanager@townofpalmbeach.com

Memo

To: Underground Utilities Task Force (UUTF) Board Members
From: Steven Stern, Underground Utilities Project Manager
CC: Thomas G. Bradford, Town Manager; Jay Boodheshwar, Deputy Town Manager; H. Paul Brazil, P.E., Director of Public Works; Jane Struder, Director of Finance; Patricia Strayer, P.E., Town Engineer; Kevin Schanen, P.E., Kimley-Horn;
Date: 12/05/2017
Re: Agenda Items for the December 5, 2017 UUTF Meeting

This memorandum and its attachments serve as the written backup material associated with the agenda for your UUTF meeting on December 5th. It follows the order of the items appearing on the UUTF agenda for the meeting.

The substantive items on this agenda are as follows:

V. MINUTES

The minutes for the November 7, 2017 UUTF meeting (**Page 6**) are ready for your review and approval. If you find there is an error or omission, please feel free to ask for a correction at the meeting. Your requests will be noted in the minutes of this meeting and staff will make the requested changes to the proposed minutes.

VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORTING

A. **Review of Project & Dashboard, Summary of Project Status**

Mr. Steven Stern, Project Manager, will review the dashboard summarizing project status. (**Page 10**).

B. **Whiting-Turner Contracting Company; Phase 1 South**

Mr. Bo Huggins, Superintendent with Whiting-Turner Construction will present a summary of Phase 1 South project status. (**Page 33**).

C. Burkhardt Construction, Inc.; Phase 1 North

Mr. Marc Kleisley, Project Principal with Burkhardt Construction will discuss Phase 1 North current project status.

D. Kimley-Horn; Monthly Status Report

Mr. Kevin Schanen's will review his monthly status report on behalf of Kimley- Horn. **(Page 35).**

VII. AT&T FIBER OPTIC SYSTEM, STATUS UPDATE

Mr. Steven Stern, Project Manager, will discuss the Town Council's recent recommendations and staff's progress.

VIII. PEER REVIEW OF MASTER PLAN, REMINDER OF FINAL REPORT DELIVERY

Ms. Patricia Strayer, Town Engineer, will discuss the pending delivery of Patterson & Dewar's final report & presentation to the Town Council on December 12th.

**MINUTES OF THE UNDERGROUND UTILITIES TASK FORCE MEETING
HELD ON TUESDAY, NOVEMBER 7, 2017**

I. CALL TO ORDER AND ROLL CALL

The Underground Utilities Task Force Meeting was called to order on Tuesday, November 7, 2017, at 9:00 a.m., in the Town Council Chambers. All Task Force Members were found to be present except Vice-Chair Gulbrandsen.

II. PLEDGE OF ALLEGIANCE

Chair Smith led the Pledge of Allegiance.

III. APPROVAL OF AGENDA

Motion was made by Task Force Member Wolin, and seconded by Task Force Member McDonald, to approve the Agenda. On call for a vote, the motion passed unanimously.

IV. COMMUNICATIONS FROM CITIZENS *(For Matters Not on the Agenda; 3 Minute Limit, Please)*

Ned Barnes, Palm Beach Civic Association thanked the members for the wonderful work they were doing and invited them to the November 16th community forum on underground utilities at the Bethesda By-the-Sea Church at 10:00 a.m. He handed out invitations to the task force members.

Ms. Gary thanked Ned Barnes and the Palm Beach Civic Association for paying for the Peer Review which was provided to the taskforce members.

Jack Houlihan, 230 Arabian Road would like a change in the current plans to place a transformer in the easement next to his property. His wife is very ill and it would be about 20ft. from her bedroom. It will also take up a lot of space from their driveway. Ms. McDonald requested a response from Patricia Strayer or Kevin Schanen.

Kevin Schanen, Kimley-Horn & Associates responded that they met with Mr. Houlihan and he refused their recommendation on placement of the transformer. There was a lengthy discussion regarding this situation. Ms. Strayer explained the situation with FP&L regarding the placement of the transformer.

Mr. Parker agreed with Mr. Dowell that it was not in the purview of the Task Force to make

a decision regarding this matter. Mr. Wolin suggested getting a technical report from staff before the next meeting. Ms. McDonald did not think it was fair to put it on next month's agenda since his wife is in poor health and suggested handling it at this meeting.

V. MINUTES

A. UTF Meeting Minutes of October 3, 2017

Motion was made by Task Force Member Wolin and seconded by Task Force Member Parker to approve the minutes. On call for a vote, the motion carried unanimously.

VI. TOWNWIDE UNDERGROUND PROJECT STATUS REPORT

A. Review of Project Dashboard, a Synopsis of Project Status *Steven Stern, Project Manager, TOPB*

Steven Stern, Project Manager, referred to the memorandum provided to Taskforce members regarding the project. He then provided an overview of the project dashboard, grant application that was submitted and also a Request for Proposals (RFP) for a consultant outsource option regarding administration of easement acquisitions. The Town in-sourced communications management on October 27th after terminating Cornerstone Solutions. All intellectual property is being transferred from Cornerstone Solutions to us. Website update is now being handled in-house.

In response to Ms. McDonald, Town Manager Bradford explained that the cost of the Communications Specialist will be apportioned as follows: Undergrounding Project 25%; Public Works 25%; Planning, Zoning & Building Dept. 25% and General Fund 25%.

Mr. Stern then provided an overview of the project dashboard, project schedule and budget update for Phase 1 North and South, project design and schedule update for Phase 2, easement acquisition updates and objectives and prepaid assessment update.

Finance Director Struder provided an overview of the underground utility project dashboard, new budget summary for Phase 1 and 2, and budget formatting updates. Also the addition of the lawsuit expenses regarding the Goldmacher lawsuit.

B. Whiting-Turner Contracting Company; Phase 1 South Presentation *Bo Huggins, Superintendent, Whiting-Turner Construction Company*

Bo Huggins, Superintendent, Whiting-Turner Construction Company, provided an update of Phase 1 South project, (including water main deflections and main line conduit installations); completion schedule and Ibis Isle conduit installation schedule.

Discussion ensued regarding the water main deflections, permit approvals, underground rock encounters and communications with residents.

C. Burkhardt Construction, Inc.; Phase 1 North Presentation

Marc Kleisley, Project Principal, Burkhardt Construction

Marc Kleisley, Project Principal, Burkhardt Construction, gave a brief update on Phase 1 North.

He pointed out that the water main installation which is being carried out by the City of West Palm Beach is not part of the undergrounding project. He explained the door hangers that were being placed on residents' doors to inform them of the kind of work that was being carried out within the vicinity of their property.

He mentioned that the Coffee with the Crew meetings seemed to be very successful in addressing residents' concerns about the project. Four taskforce members and 3 councilmembers attended the last one.

D. Kimley-Horn Monthly Status Report

Kevin Schanen, P.E., Kimley-Horn

Kevin Schanen, P.E., Kimley-Horn, provided an overview of the progress update of Phase 1. Regarding the easement acquisition, there was one easement left to be signed and they were actively pursuing that owner.

Phase 2 seventeen executed easements have been received so far. On schedule and budget for this phase.

VII. PEER REVIEW OF MASTER PLAN, STATUS OF DRAFT REPORT

Patricia Strayer, P.E., Town Engineer

Patricia Strayer provided a brief overview of the draft Peer Review of Town-wide Underground Utilities Master Plan which was prepared by Patterson & Dewar. Comments have been received from councilmembers and taskforce members which have been provided to Patterson & Dewar. At the December 12th Town Council meeting Patterson & Dewar will be in attendance to address any concerns and answer any questions. Mr. Smith requested that all comments/concerns from the taskforce and councilmembers be collated and forwarded to the taskforce. Ms. Gary suggested that the Taskforce should have an opportunity to discuss the Peer Review.

VIII. AT&T FIBER OPTIC SYSTEM

Patricia Strayer, P.E., Town Engineer

Patricia Strayer, P.E., Town of Palm Beach, provided an overview of AT&T Fiber Optic System. She referred to the summary memorandum which was provided to the taskforce. Staff recommendation is to accept AT&T's offer with future negotiations and to accept Comcast's offer of a hybrid system which would result in a \$1.7M increase to the cost.

Responding to Ms. Gary's question about reliability, Ms. Strayer informed that the residents do not have reliability with the current system. With the new system each resident would be guaranteed at least 1G of service.

ANY OTHER MATTERS

Dates for future meetings:

January 5 (changed from January 2)

February 6

March 6

April 3

May 1

June 5

IX. ADJOURNMENT

There being no further business, the Underground Utilities Task Force Meeting of Tuesday, November 7, 2017, was adjourned at 10:45 a.m.

APPROVED:

Jeffery Smith
Chair

ATTEST:

Kathleen Dominguez
Town Clerk

Date

TOWN OF PALM BEACH

Information for Underground Utility Task Force Meeting on: December 5, 2017

TO: Underground Utility Task Force

FROM: Steven Stern, Project Manager

RE: Key Project Updates

DATE: December 5, 2017

1. FPL Network Topology

Status of FPL topology questions inclusive of hardening of feeders and power distribution serving the Town.

FPL External Affairs acknowledged receiving our questions and working on a response. Town Requested a November, now December, reply.

- o 10/09: Request initiated for Nov UUTF to Sophia Eccleston, External Affairs Manager.
- o 10/25: FPL replied it necessary to delay response until December UUTF.
- o 11/27: Escalated to Donald Kiselewski, FPL Director of External Affairs.

2. Cost Savings

Reduce Easement Expense:

- o RFP for Easement Acquisition Services issued by Purchasing on 11/12/17. Four bidders attended pre-bid conference held 11/21/17. Next milestone, proposal due date is December 12, 2017, at 2 p.m.
- o Easement in progress at 4 Seasons to avoid water main deflection.

3. Communications

Outreach:

- o 11/16: Civic Association Undergrounding Status Update
- o 12/1: Cup of Joe with Bo
- o 12/4: Coffee with the Crew
- o Proactive Construction Updates delivered ~ 33 of 41 Condos, P1 South
- o Proactive Construction Updates, door hangers to impacted areas, P1 North

Voluntary request for Easement Letter

- o Planned for December mailing to 300 residents in Phase 2 North and South.
- o Posted to Undergrounding.Info web site.

4. Miscellaneous

Completed:

- o Thanksgiving Clean Up, Phase 1 North, Wed Nov 22 – Nov 26.

Planned:

- o Christmas Clean Up, Phase 1 North, Friday Dec 22 – Jan 1.



Town Of Palm Beach Utility Undergrounding Program

Report: November 2017

Updates

Big thanks to the Palm Beach Civic Association for hosting the public information session on November 16th!

Status Legend

Green (1) - On Task
Yellow (2) - Caution
Red (3) - Not On Task

Design

Phase I Design	Budget	1	98.8% 100%
	Schedule	1	99.0% 100%
Phase II Design	Budget	1	22.8% 100%
	Schedule	1	37.0% 100%

Construction

Phase I North Construction	Budget	1	11.8% 100%
	Schedule	1	19.0% 100%
Phase I South Construction	Budget	1	37.5% 100%
	Schedule	1	23.0% 100%

Easement Acquisition

Phase I Easements	1	99.0%
Phase II Easements	1	0.0% 100%

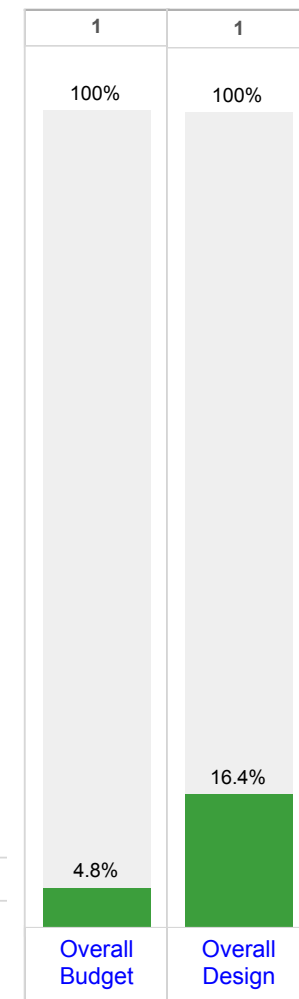
Communications

Communications	Budget	1	34.6% 100%
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Saves And Raves



Confirmatory utility exploration in Phase 1 South allowed us to eliminate two watermain deflections!





Underground Utility Task Force Monthly Progress Report November 2017

Table of Contents

Dashboard – Phase 1 Construction and Phase 2 Design

1. Kimley-Horn Progress Report Phase 1
2. Kimley Horn Progress Report Phase 2
3. Master Plan Gantt Chart
4. Phase 1 Design Gantt Chart
5. Phase 2 Design Gantt Chart Draft
6. Phase 1 North Construction Schedule
7. Burkhardt Executive Project Summaries
8. Phase 1 South Construction Schedule
9. Whiting Turner Executive Summary
10. Project Financial Report
11. Interest Rate Forecast as of October 27, 2017

The following reports will be provided when applicable in future reporting:

- Safety and Reliability Reports
- Completion Milestones

Dashboard Notes:

- Overall Budget represents the percentage encumbered to date versus the total project budget of \$98.6 million.

Prepared by the Finance Department & TMO
December 1, 2017

Town-Wide Undergrounding Master Planning and Phase 1 Design Project
KHA Project #044063188
Progress Report
Period: October 25, 2017 to November 24, 2017

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Master Planning is 99% complete
 - North End Design is 99% complete
 - South End Design is 99% complete
- Budget: Project is on budget as of November 15, 2017
 - Master Planning is at 99% of total task budget
 - North End Design is at 99% of total task budget
 - South End Design at 99% of total task budget
- Easement Status
 - Phase 1: 100% of easements approved

B. Master Planning Phase

- Continued coordination with AT&T and Comcast regarding overall program cost reduction.

C. Detailed Design Phase

- FDOT Landscape Permit Application coordination and response to comments from FDOT.
- ERP Permit coordination with the FDEP
- Coordination with Town Attorney, Brannon & Gillespie, Waypoint Engineering, and FPL related to the easement acquisition process (collection of executed agreements).

II. Upcoming Activities (Nov 25, 2017 – Dec 24, 2017)

A. Master Planning Phase

- None until presentation of master plan at Town Council

B. Detailed Design Phase

- Continued coordination with the FDOT related to the Landscape Permit application.
- Continued coordination with the FDEP for the submerged land lease documents to complete the ERP process.
- Progress meetings to occur to coordinate various elements of the project.



Town-Wide Undergrounding - Phase 2 Design
KHA Project #044063202
November 2017 Progress Report
Period: October 26, 2017 to November 25, 2017

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below.
 - Phase 2 North Design is 37% complete
 - Phase 2 South Design is 37% complete
- **Budget:** Project is on budget as of November 15, 2017
 - Phase 2 North Design is at 22% of total task budget
 - Phase 2 South Design at 20% of total task budget
- **Easement Status**
 - Phase 2: N/A, will provide status when this work begins

B. Detailed Design Phase

- Subconsultant/utility owner coordination related to Phase 2 Design.
- Continued coordination with geotechnical engineer for field investigation and drilling activities. Final report received.
- Coordination with subsurface utilities locating subconsultant for soft-dig field work.
- Submittal of utility base map for Phase 2 South.
- Progress Meeting Attendance.

II. Upcoming Activities (November 26, 2017 – December 25, 2017)

A. Detailed Design Phase

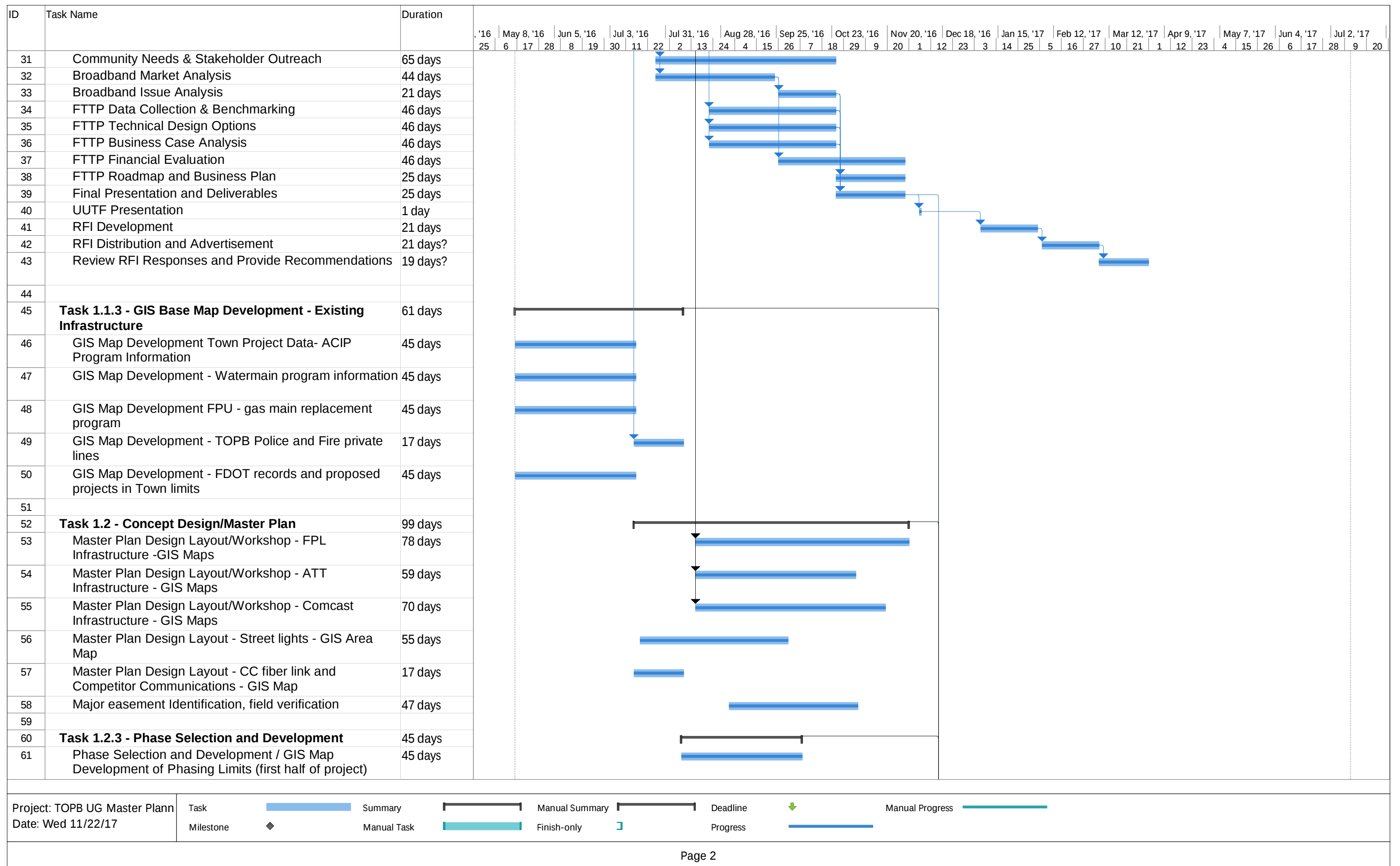
- Subconsultant/utility owner coordination related to Phase 2 Design.
- Soft dig utility investigation field work completion.
- Follow up with FPL regarding schedule for receipt of equipment locations.
- Progress Meeting Attendance

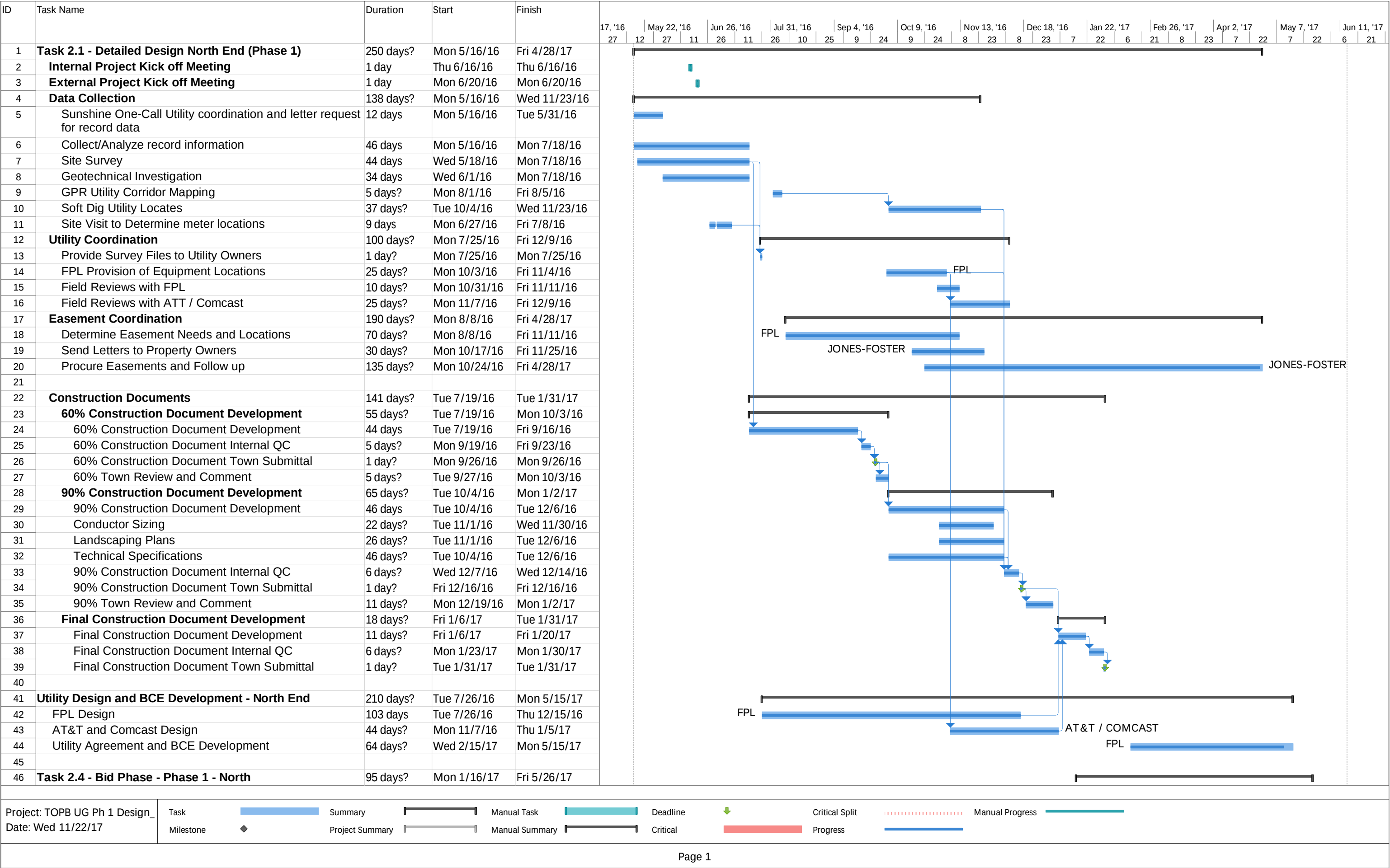
III. Saves and Raves

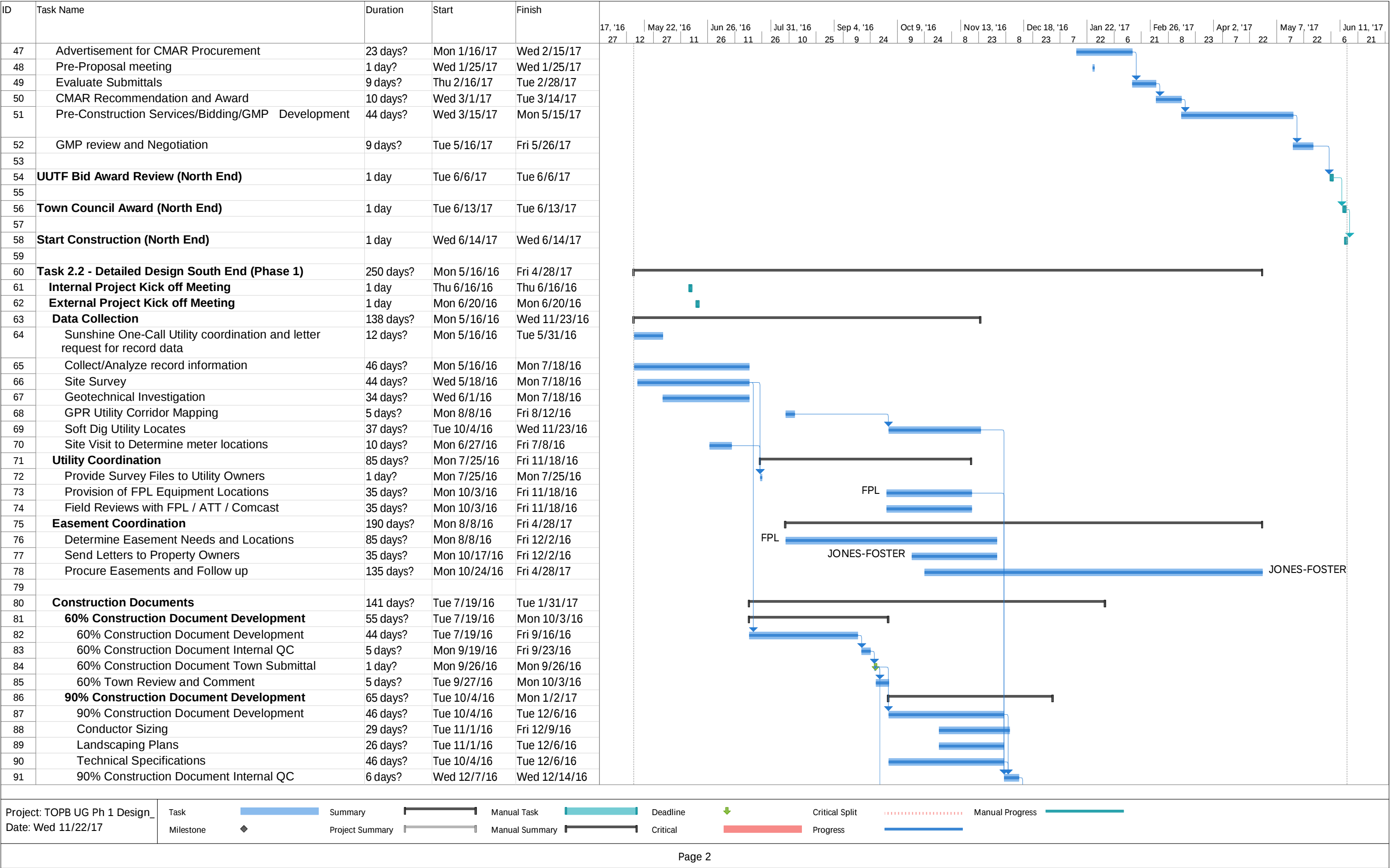
A. Saves: Confirmatory utility exploration in Phase 1 South has allowed us to eliminate two watermain deflections.

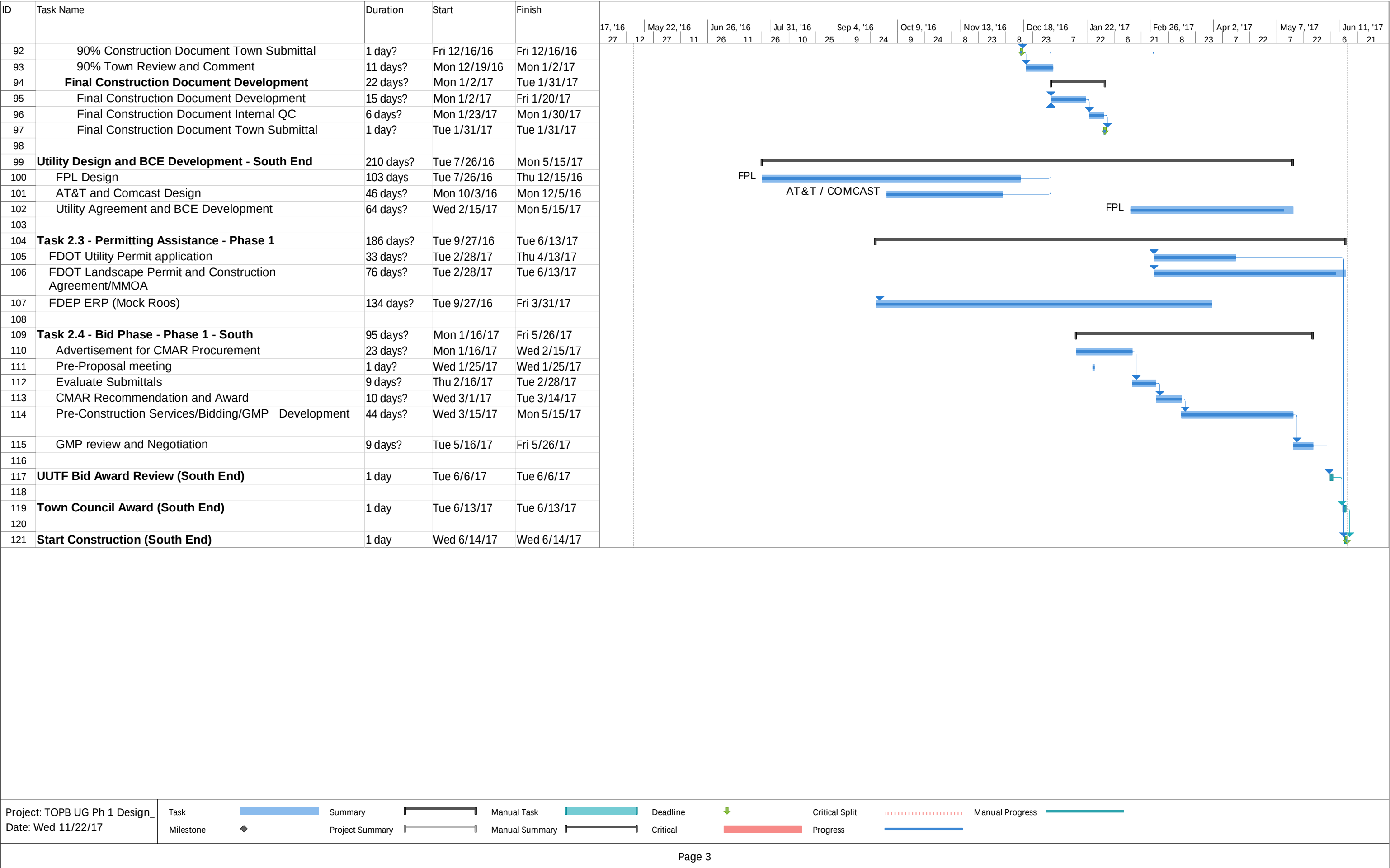
B. Raves: Big thanks to the palm Beach Civic Association for hosting the public information session on November 16th. We had a great turnout!

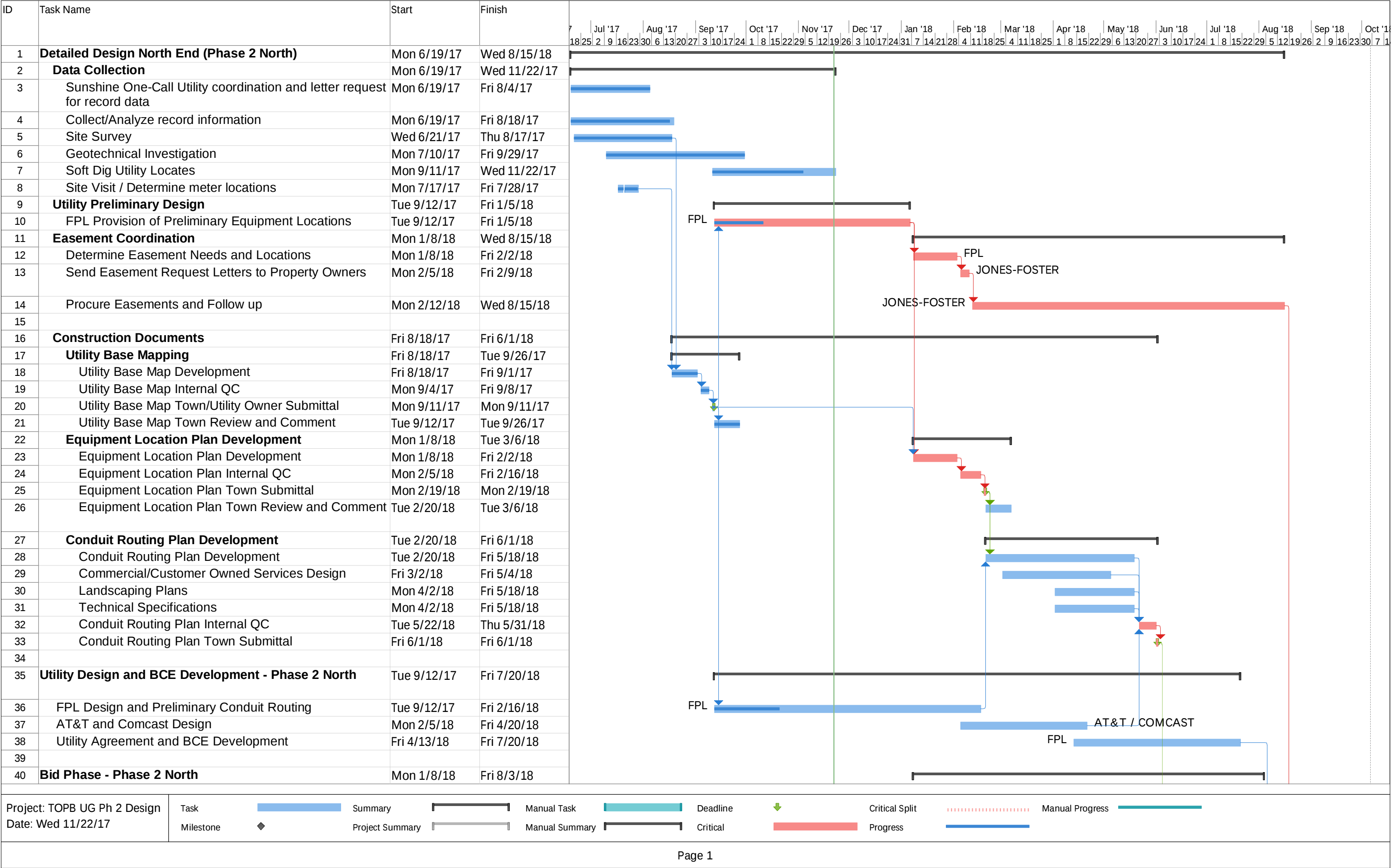
ID	Task Name	Duration																																										
			, '16 25	May 8, '16 6	May 17, '16 17	May 28, '16 28	Jun 8, '16 8	Jun 19, '16 19	Jul 3, '16 30	Jul 11, '16 11	Jul 22, '16 22	Jul 31, '16 2	Aug 13, '16 13	Aug 24, '16 24	Aug 4, '16 4	Aug 15, '16 15	Sep 26, '16 26	Sep 7, '16 7	Sep 18, '16 18	Oct 29, '16 29	Oct 9, '16 9	Nov 20, '16 20	Nov 1, '16 1	Nov 12, '16 12	Dec 23, '16 23	Dec 3, '16 3	Jan 14, '17 14	Jan 25, '17 25	Feb 5, '17 5	Feb 16, '17 16	Feb 27, '17 27	Mar 10, '17 10	Mar 21, '17 21	Mar 31, '17 1	Apr 11, '17 11	Apr 22, '17 22	May 3, '17 3	May 14, '17 14	May 25, '17 25	Jun 4, '17 4	Jun 15, '17 15	Jun 26, '17 26	Jul 7, '17 7	Jul 18, '17 18
1	Master Planning	230 days?																																										
2	External Project Kick off Meeting	1 day																																										
3	Internal Project Kick off Meeting	1 day																																										
4	Task 1.1.1 - Data Collection	65 days?																																										
5	Collect/Analyze Town Project Data- ACIP Program Information (roads, drainage, street lights, other planned ACIP projects)	35 days																																										
6	Collect/Analyze City Data - Watermain program information	30 days																																										
7	Collect/Analyze Lake Worth and South Palm Beach data at project limits	30 days																																										
8	Collect/Analyze FPU - gas main replacement program	30 days																																										
9	Collect/ Analyze - FDOT records and proposed projects in Town limits	30 days																																										
10	Collect/Analyze FPL	23 days?																																										
11	Office Meeting/Record Review with FPL	1 day?																																										
12	Field Verification of Major Utility Elements	22 days																																										
13	Collect/Analyze ATT	22 days?																																										
14	Office Meeting/Record Review with ATT (infrastructure / Smart Poles)	1 day?																																										
15	Field Verification of Major Utility Elements	21 days																																										
16	Collect/Analyze Comcast	21 days																																										
17	Office Meeting/Record Review with Comcast	1 day																																										
18	Field Verification of Major Utility Elements	18 days																																										
19																																												
20	Task 1.1.2 - Data Collection-Future Communications Systems	104 days																																										
21	Collect/Analyze - TOPB Police and Fire Dept private lines	16 days																																										
22	Meeting with Town Public Works staff, Fire Department Staff, and Police Staff	1 day																																										
23	Analysis of Town-wide Closed communications system expansion (police/fire/public works)	17 days																																										
24	Analysis of Town-wide Closed Circuit communications system	51 days																																										
25	Develop recommendations/conceptual order of magnitude OPC (Town Future Communications only)	21 days																																										
26	Draft and Issue summary memorandum	47 days																																										
27	Review recommendations with Town	6 days																																										
28																																												
29	Broadband Infrastructure Assessment	180 days?																																										
30	Kickoff meeting	1 day																																										
Project: TOPB UG Master Plann Date: Wed 11/22/17			Task Summary Manual Summary Deadline Manual Progress Milestone Manual Task Finish-only Progress																																									
Page 1																																												

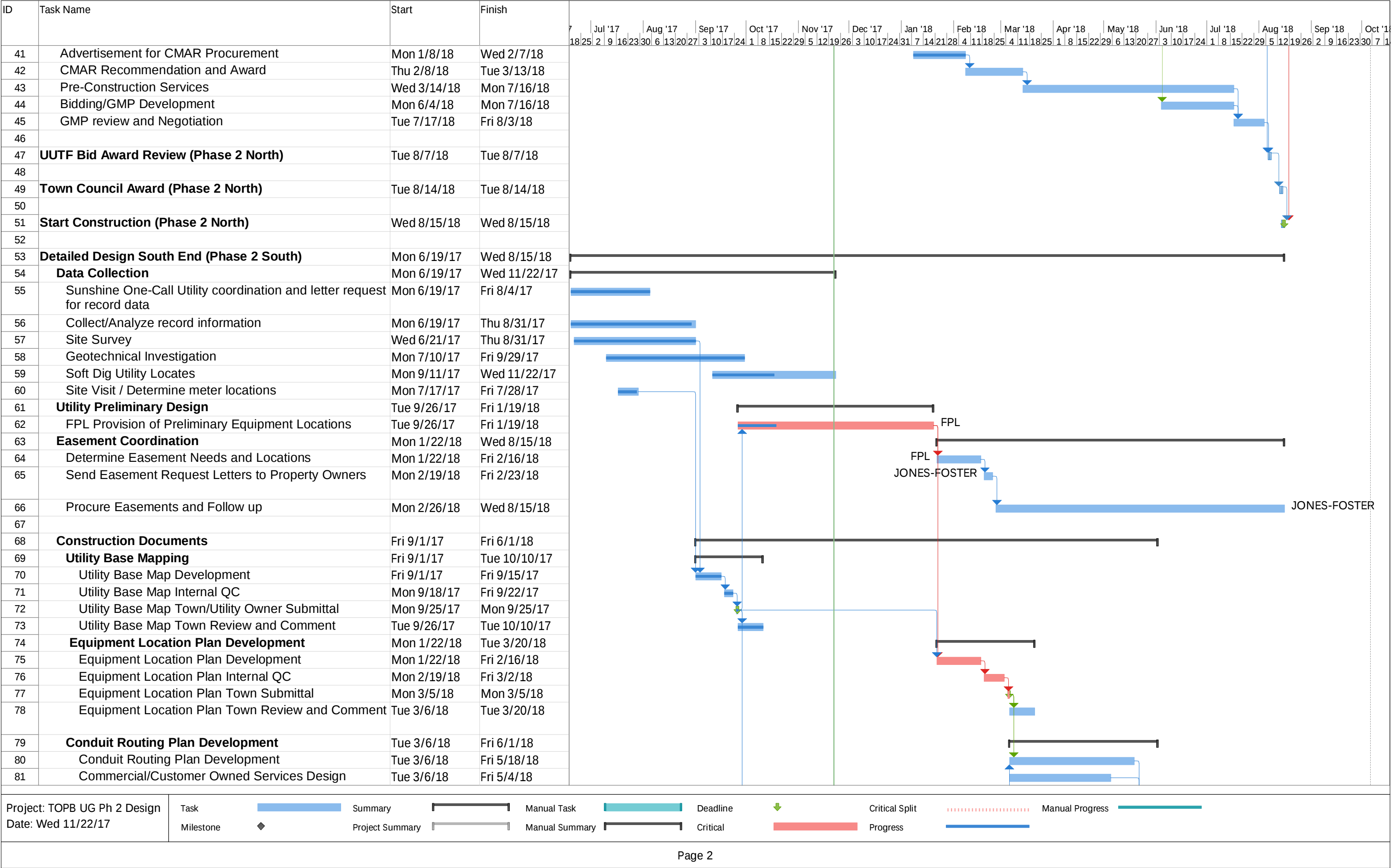


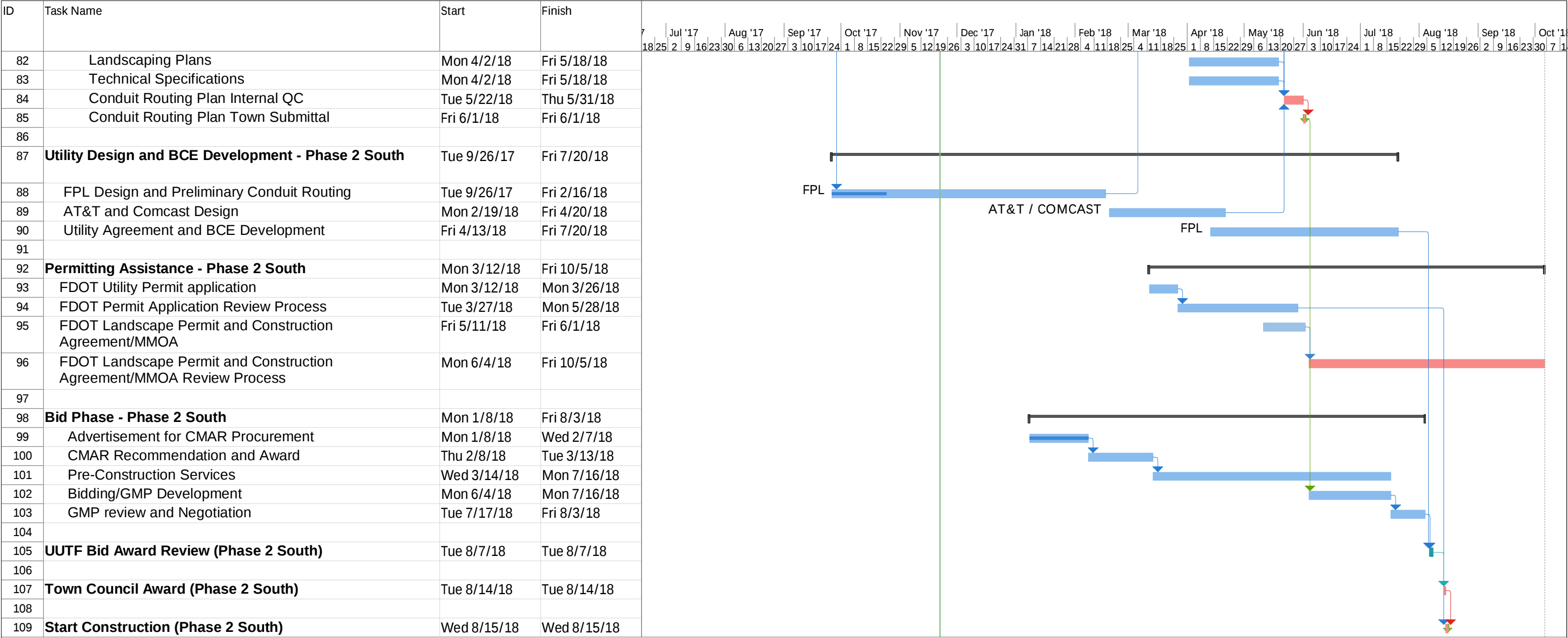












Project: TOPB UG Ph 2 Design
Date: Wed 11/22/17

Task

Milestone

Summary

Project Summary

Manual Task

Manual Summary

Deadline

Critical

Critical Split

Progress

Manual Progress

Vincent G. Burkhardt
President



Executive Summary
For
October 2017

Project Description

Townwide Overhead Utility Undergrounding
Phase 1 North
P.O. # 171308

Project Status:

The directional drilling operation continued north of Onondaga along North Ocean Blvd. to just past Mediterranean with the installation of the FPL, AT&T, and Comcast conduits. Once the crew drilled half way between Mediterranean & Caribbean Road they stopped and went to Onondaga so there were be no conflicts with the water main installation near East Inlet Drive.

Onondaga Avenue is a street that has main feeder lines to be installed. With all of the existing utilities that are already buried along Onondaga, it is a time consuming operation to install all of the necessary conduits without damaging what is currently in the ground. Maintaining traffic on such a narrow street presents its own set of challenges.

A service line crew continued installing the service line conduits along Onondaga Avenue, Debra lane, Manana Lane and Via Manana. When the primary drilling crew begins to drill again along North Ocean the service crew will follow them.

Drilling along Onondaga has continued with a cautious pace and is taking longer than anticipated. The drilling company anticipates bringing in another crew next month to make up the time. The project continues to remain within budget.

Vincent G. Burkhardt
President



Executive Summary
For
October 2017

Project Description

Townwide Utility Undergrounding
Onondaga Avenue & Laurie Lane Improvements
Phase 1 North
P.O. # 171308

Project Status:

The storm drainage work finished this month along Onondaga Avenue. Adjustments to the storm drainage tops along with touching up of the mud work at the structures where the pipe connections occur has been completed.

This crew began the installation of the water main along North Ocean Blvd near Indian Road to East Inlet Drive. The crew set up the maintenance of traffic devices and mobilized both the material and equipment.

The existing water main was tapped at Indian Road and by the end of the month the crew installed the new main up to the northern end of East Inlet Drive at Annie's dock.

The project is running behind schedule due to the high tides and unforeseen soil conditions however, this work is not on the critical path. This project continues to stay within budget.

TOWN-WIDE OVERHEAD UTILITY UNDERGROUNDING
PHASE 1 NORTH
SCHEDULE
RFQ No. 2017-14

ID	Task Name	% Complete	Duration	Start													2018												2019			
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb						
1	Phase I - NORTH	19%	420 days	Mon 6/12/17																												
2	Fully Executed Non-GAF Agreement	100%	23 days	Mon 6/12/17																												
3	Copy Of Executed Easements	98%	23 days	Mon 6/12/17																												
4	Fully Executed Applicant Installed Agreement With FPL	100%	23 days	Mon 6/12/17																												
5	Fully Executed R/O/W Agreement With FPL	100%	23 days	Mon 6/12/17																												
6	Fully Executed Agreement With COMCAST / AT & T	50%	23 days	Mon 6/12/17																												
7	Town Council Approval	100%	1 day	Tue 6/13/17																												
8	Award Prime Contract	100%	13 days	Wed 6/14/17																												
9	Permitting	100%	15 days	Mon 6/26/17																												
10	Customer Owned Service Connection Permitting	0%	15 days	Mon 6/26/17																												
11	Sub Contract Agreements	100%	23 days	Wed 6/14/17																												
12	Material Procurement	100%	11 days	Fri 6/30/17																												
13	Underground Conduit Installation, Primary/Secondary (FPL, ATT,	18%	225 days	Mon 7/17/17																												
14	Feeder Splice Box Installation	2%	15 days	Thu 10/12/17																												
15	Set Transformers / Switch Cabinets (FP	0%	75 days	Wed 11/8/17																												
16	Secondary Services / Wire	0%	138 days	Tue 2/20/18																												
17	As-Built Submission / Review (FPL)	0%	47 days	Tue 2/20/18																												
18	Pull Wire / Terminations Primary (FPL)	0%	81 days	Tue 2/20/18																												
19	*ATT Rod Conduit, Pull Wire, Set Pedestals	0%	133 days	Tue 2/27/18																												
20	*Comcast Pull Wire, Set Pedestals	0%	133 days	Tue 2/27/18																												
21	Cut over / Overhead Removal (ATT/Comcast)	0%	45 days	Mon 9/3/18																												
22	Energize Underground (FPL)	0%	30 days	Fri 4/27/18																												
23	Secondary Service Switch Over (FPL)	0%	113 days	Mon 6/11/18																												
24	** Demo Overhead / Remove Poles (FPL) / Final Restoration	0%	90 days	Mon 9/17/18																												
25	*This Work Will Be Performed By ATT/COMCAST Crews, All Other Work Is Anticipated To Be Performed By A Subcontractor Under The Direction Of Burkhardt Construction, Inc.	0%																														
26	**This Work Must Be Performed By FPL Crews, All Other Work Is Anticipated To Be Performed By A Subcontractor Under The Direction Of Burkhardt Construction, Inc.	0%																														
27	Storm Drainage	90%	45 days	Mon 7/17/17																												
28	Water Main	60%	35 days	Mon 9/4/17																												

DATED 10/31/17
CURRENT PERCENT COMPLETED 19%

SAFETY

Monthly safety inspections are conducted by WT Regional Safety Director. Daily safety inspections conducted by onsite staff.

- ◆ 0 lost time incidents to date
- ◆ 0 recordable incidents to date

CONSTRUCTION

- ◆ S. Ocean Blvd (Watermain Deflection Crew) - 8 of the 14 water main deflections completed. 5 of the 6 remaining water main deflections have been eliminated by the Engineer (Town Cost Savings). 1 deflection remaining to be completed.
- ◆ S. Ocean Blvd (Electrical Undergrounding Crew) - Undergrounding Crews are continuing to conduct exploratory work, to minimize the potential impact of any unforeseen conditions. Currently installing FPL feeder & primary conduits north of Lake Avenue. Approx. 70% of feeder & primary conduit is completed on S. Ocean Blvd. Approx. 20% of concrete vaults and pads for transformers and switches have been installed.
- ◆ Ibis Isle Undergrounding Crew has completed FPL primary, Comcast, and AT&T conduit installation along Ibis Isle Road East and West. Transformer pads and splice boxes along Ibis Isle Road East and West completed. Currently pulling FPL cable on Ibis Isle Road East & West. Conduit installation along Ibis Way currently on hold pending FDEP permit issuance for the subaqueous crossing.

DOCUMENTATION:

RFIs:

- A. 11 RFIs issued to date
- B. 1 Outstanding RFI

SUBMITTALS:

- A. 42+ Individual Submittals Processed
- B. 0 Submittal Package Currently Under Review
- C. 0 Submittal Packages Pending Submission to A/E

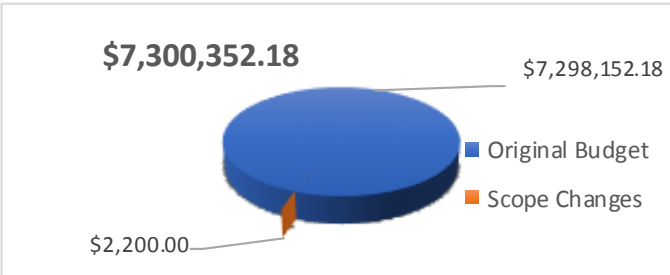
DRAWINGS:

- A. Post GMP Drawing Revision #2 received October 5th from KHA
- B. Post GMP Drawing Revision #3 received October 12th from KHA
- C. Post GMP Drawing Revision #4 received October 23rd from KHA
- D. Post GMP Drawing Revision #5 received November 28th from KHA

RELEVANT POTENTIAL CHANGES:

- A. FPL Line Drawing Changes to Ibis Isle Scope of Work
- B. Reduction in S. Ocean Boulevard Street Lighting Scope of Work
- C. Additional AT&T Fiber Conduits at Ibis Isle per the Town's request

FINANCIALS—BUDGET VS. COSTS



Current GMP Amount	—	\$7,300,352.18
Approved Owner Initiated Scope Changes	—	\$2,200.00
Gross Billings to Date (\$)	—	\$1,327,487.26
Gross Billings to Date (%)	—	18%
Schedule % Completed	—	23%



SCHEDULE SUMMARY

S. Ocean Undergrounding -Sta 11+10 to Sta 243+66									
IMP 1517	CAD files from Engineer	5	0	16AUG17 A	30AUG17 A				
IMP 1516	Existing Conflicts - RFI 04 & 06	4	0	28AUG17 A	06SEP17 A				
1500	ATT Conduit Installation	10	4	29AUG17 A	05DEC17				
1505	Comcast Conduit Installation	10	4	29AUG17 A	05DEC17				
1518	Line Stop Installations	50	10	04SEP17 A	13DEC17				
1512	FPL Feeder Splice Box Installation	20	12	23OCT17 A	15DEC17				
1507	ATT Vault (Installed by W-T's Sub)	15	15	06DEC17	27DEC17				
1521	WM Deflections	60	20	29AUG17 A	28DEC17				
1509	WT's Sub provide As-Builts for ATT/Comcast	5	4	01NOV17 A	03JAN18				
1543	FPL Feeder & Primary Conduits Installation	75	30	04SEP17 A	12JAN18				
1514	ATT/Comcast review as-built/inspect/procure wire	20	20	04JAN18	31JAN18				
1545	Service Sweep Condu /Set Equip Pads/Splice Boxes	75	46	27SEP17 A	06FEB18				
1547	WT's Sub provides As-Builts for FPL/TPB/K-H	5	5	07FEB18	13FEB18				
1525	Comcast Pull Wire/Set Pedestals/Terminations	20	20	01FEB18	28FEB18				
1527	ATT Pull Wire/Set Pedestals/Terminations	20	20	01FEB18	28FEB18				
Ibis Isle									
3052	Easements Recorded	0	0		11OCT17 A				
IMP 3009	Additional FPL Conduits per Town	7	0	23OCT17 A	03NOV17 A				
3005	Fire Hydrant Assembly	5	0	29NOV17 A	30NOV17 A				
IMP 3006	FDEP Permit - Subaqueous Crossing	30	1	04SEP17 A	30NOV17				
3008	FPL Primary/ATT & Comcast Conduits (Open Cut)	30	2	04SEP17 A	04DEC17				
3016	Backfill and Temp Restores	36	3	11SEP17 A	09DEC17				
3020	WT's Sub provides as-builts for ATT & Comcast	5	3	08NOV17 A	07DEC17				
3030	Service Sweep Condu /Set Equip Pads/Splice Boxes	45	5	19SEP17 A	11DEC17				
IMP 3011	Additional ATT Fiber Conduit CO Approval	10	8	10NOV17 A	14DEC17				
3045	Set Equip/PME/Terminations	30	5	08NOV17 A	18DEC17				
3047	Transformer Installation	30	5	13NOV17 A	18DEC17				
3055	WT's Sub provides as-builts for FPL/TPB/KH	5	5	12DEC17	18DEC17				
IMP 3012	Additional ATT Fiber Conduit Installation	10	10	15DEC17	29DEC17				

SCHEDULE NOTES / IMPACTS:

- Street Lighting installations currently delayed due to Town's Directive to hold until FPL LTI Tariff is approved. Revised credit currently being priced by Whiting-Turner.
- Additional AT&T Fiber Conduit at Ibis Isle requested by the Town. Currently being priced by Whiting-Turner. This will delay AT&T from beginning their scope of work (pulling wire etc).
- FDEP Permit at Ibis Isle Subaqueous Crossing preventing Undergrounding Subcontractor from completing Ibis Isle Conduit Installation.

Underground Utility Project Budget
Project Financial Summary
November 30, 2017

	Budget	Actual	% Expended
Phase 1			
Phase 1 Design	\$ 1,310,829	\$ 1,295,063	98.8%
Phase 1 Utility Costs	\$ 48,608	\$ 48,608	100.0%
Phase 1 Construction	\$ 8,536,041	\$ 1,556,591	18.2%
Phase 1 Construction Utility Costs	\$ 1,850,970	\$ 1,236,770	66.8%
Phase 1 Construction Engineering	\$ 568,532	\$ 103,805	18.3%
Phase 1 Easements	\$ -	\$ 295,208	n/a
Total Phase 1	\$ 12,314,980	\$ 4,536,044	36.8%
Phase 2			
Phase 2 Design	\$ 979,659	\$ 223,796	22.8%
Other			
Other Project Costs	\$ 880,414	\$ 992,142	112.7%
Total To Date	\$ 14,175,053	\$ 4,759,839	33.6%
Total Project Budget	\$ 98,600,000		
% Budgeted/Encumbered To Date	14.38%		
% Spent to Date	4.83%		

Underground Utility Project Budget
Phase 1 Project Costs
November 30, 2017

	Budget	Actual	% Expended
Project Engineering			
Task 2.1 - Detailed Design North End	472,063	472,063	100.0%
Task 2.2 - Detailed Design South End	619,411	619,411	100.0%
Task 2.3 - Permitting Assistance	17,790	16,011	90.0%
Task 2.4 - Bid Phase Assistance	42,166	42,166	100.0%
Task 2.5 - Meetings - Design Phase	125,399	121,337	96.8%
Legal Sketch and Description - Easements	34,000	24,075	70.8%
Subtotal Design Phase	\$ 1,310,829	\$ 1,295,063	98.8%
Utility Costs (FPL)			
FPL Engineering for Binding Cost Estimate	\$ 38,608		
North End Design		10,595	
South End Design		28,013	
Total FPL Engineering Costs for Design	\$ 38,608	\$ 38,608	100.0%
Utility Costs (AT&T and Comcast)			
AT&T North End Design		5,000	
AT&T South End Design		5,000	
Total Utility Costs (AT&T and Comcast)	\$ 10,000	\$ 10,000	100.0%
Construction Costs			
Phase 1 North Construction			
Preconstruction	\$ 19,720	19,720	100.0%
Burkhardt Construction	\$ 3,798,144	365,678	9.6%
Utility Costs (FPL, Comcast, AT&T)	\$ 476,776	96,884	20.3%
Construction Engineering (KH)	\$ 253,532	43,563	17.2%
	\$ 4,548,172	\$ 525,845	11.6%
Phase 1 South Construction			
Preconstruction	\$ 22,200	22,200	100.0%
Whiting Turner Construction	\$ 4,695,977	1,148,993	24.5%
Utility Costs (FPL, Comcast, AT&T)	\$ 1,374,193	1,139,886	82.9%
Construction Engineering (KH)	\$ 315,000	60,242	19.1%
	\$ 6,407,370	\$ 2,371,321	37.0%
Legal Costs/Easement Acquisition - Jones Foster	\$ -	\$ 295,208	0.0%
Total Phase 1 Costs	\$ 12,314,980	\$ 4,536,044	36.8%

Underground Utility Project Budget
Phase 2 Project Costs
November 30, 2017

	Budget	Actual	% Expended
Phase 2 Design			
Kimley Horn			
Task 1.1 Phase 2 North Design	\$ 281,304	\$ 98,456	35.0%
Task 1.2 Phase 2 South Design	\$ 335,353	\$ 117,374	35.0%
Task 1.3 Permitting Assistance North	\$ 5,779	\$ -	0.0%
Task 1.3 Permitting Assistance South	\$ 6,895	\$ -	0.0%
Task 1.4 Bid Phase Assistance North	\$ 18,498	\$ -	0.0%
Task 1.4 Bid Phase Assistance South	\$ 22,067	\$ -	0.0%
Task 1.5 Easement Assistance North	\$ 64,936	\$ 3,098	4.8%
Task 1.5 Easement Assistance South	\$ 77,466	\$ -	0.0%
Task 1.6 Meetings North	\$ 62,297	\$ 3,788	6.1%
Task 1.6 Meetings South	\$ 74,320	\$ -	0.0%
Task 1.7 Legal Sketch North	\$ 14,020	\$ 1,080	7.7%
Task 1.7 Legal Sketch South	\$ 16,725	\$ -	0.0%
Total Phase 2 Design	\$ 979,659	\$ 223,796	22.8%

Underground Utility Project Budget
Other Project Costs
November 30, 2017

Master Plan	Budget	Actual	% Expended
Task 1.1 - Data Collection & GIS Base Mapping	\$ 88,021	\$ 88,021	100.0%
Tash 1.1a Data Collection for Future Communications	\$ 23,511	\$ 23,511	100.0%
Task 1.2 - Conceptual Design and Master Plan	\$ 161,756	\$ 161,756	100.0%
Task 1.3 - Project Sequencing and Phasing	\$ 31,244	\$ 31,244	100.0%
Task 1.4 - Assessment of Traffic Impacts	\$ 77,660	\$ 77,660	100.0%
Task 1.5 - Project Delivery Methods	\$ 17,448	\$ 17,448	100.0%
Task 1.6 - Master Plan Document	\$ 45,053	\$ 42,800	95.0%
Task 1.7 - Meetings Master Planning Phase	\$ 113,135	\$ 113,123	100.0%
Task 1.8 - Master Plan Second Half	\$ 40,067	\$ 38,064	95.0%
Subtotal Master Planning	\$ 597,895	\$ 593,627	99.3%
Community Outreach	\$ 282,519	\$ 196,945	69.7%
FPL Future Phases	Future Phase Budget	\$ 75,215	
FPL Nightingale/LaPuerta - Townwide Portion	Future Phase Budget	\$ 74,900	
Comcast Preplanning	Future Phase Budget	\$ 12,015	
Comcast Nightingale/LaPuerta - Townwide Portion	Future Phase Budget	\$ 8,885	
AT&T Nightingale/LaPuerta Townwide Portion	Future Phase Budget	\$ 30,555	
Total Other Project Costs	\$ 880,414	\$ 992,142	112.7%

Related Costs Outside of the Underground Project Budget

Underground City of Lake Worth Section	Budget	Actual	% Expended
Project Design	\$ 25,231	\$ 24,430	96.8%
Project Construction	\$ 351,081	\$ 25,306	7.2%
Project Construction Engineering	\$ 11,607	\$ 3,178	27.4%
Utility Cost (FPL, Comcast, AT&T)	\$ 134,333	\$ 127,531	94.9%
Project Meeting Attendance	\$ 3,334	\$ 720	21.6%
Total Lake Worth Section	\$ 525,586	\$ 181,165	34.5%
Goldmacher v TPB Legal and Other Costs		\$ 137,558	
Kosberg v TPB Legal and Other Costs		\$ 107,325	
Ibis Way PGD Improvements	\$ 14,583	\$ 14,583	100.0%
Project Manager -Pay and benefits	\$ 130,000	\$ 49,699	38.2%
Peer Review Study - Patterson & Dewar	\$ 100,000	\$ 75,000	75.0%
Telecommunications Consultant	\$ 89,000	\$ 83,210	93.5%
Peter Brandt (Contract Negotiations)	\$ 35,000	\$ 22,633	64.7%
Total Related Costs Outside of the Budget	\$ 894,169	\$ 671,172	75.1%

U.S. Rate Forecasts

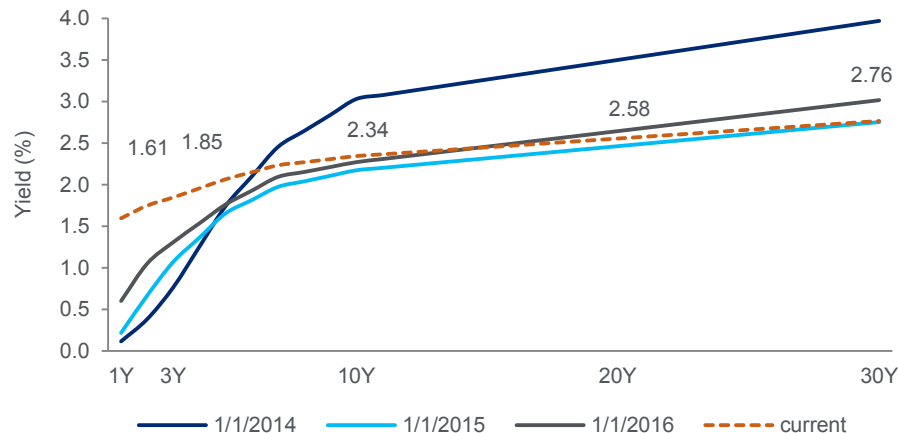
10-Year Treasury Yield Forecast

Citi forecasts a muted interest rate environment as we progress through the second half of 2017, while the street's is elevated



US Treasury Yield Curve

Yields strengthened across the intermediate-range and long-end of the curve last week



Rate Forecasts

5-Year Treasury	Current	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Citi's Forecast	2.07%	1.80%	2.00%	2.05%	2.25%	2.40%	2.45%

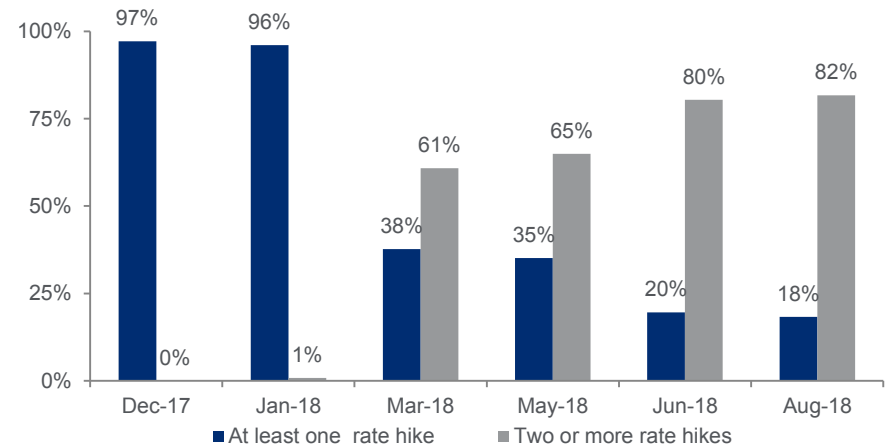
10-Year Treasury	Current	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Citi's Forecast	2.34%	2.20%	2.45%	2.45%	2.60%	2.75%	2.80%
Economists' Consensus		2.44%	2.59%	2.70%	2.85%	2.95%	3.01%

30-Year Treasury	Current	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Citi's Forecast	2.76%	2.85%	3.00%	3.00%	3.20%	3.40%	3.45%
Economists' Consensus		2.98%	3.11%	3.24%	3.30%	3.40%	3.40%

Fed Funds	Current	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Citi's Forecast	1.25%	1.50%	1.75%	2.00%	2.25%	2.25%	2.25%
Economists' Consensus		1.50%	1.50%	1.75%	2.00%	2.00%	2.25%

Expectations of Next Fed Increase in Rates

The market is currently pricing in a 97% probability of one more rate hike by the end of 2017



UNDERGROUNDING OF UTILITIES PROJECT

PHASE 1 SOUTH



DECEMBER UPDATE

- **Water main deflections:** Number required reduced to 10 due to field adjustments and easements granted.

All deflections completed by 12/8/2017.

- **Main line conduit installation:** Complete to 2275 S. Ocean by end of December. Electrical equipment concrete base installation and restoration proceeding from the South town limits moving North



UNDERGROUNDING OF UTILITIES PROJECT

PHASE 1 SOUTH



**UNDERGROUNDING
TODAY**

For A Better Tomorrow!



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WT
WHITING-TURNER



Master Planning and Phase 1

Progress Update

- On Schedule/Budget
- No issues or exceptions to report





Construction - Phase 1

Easement Acquisition Progress Update

Phase 1 North

Easements Required	38
Owners Contacted	38
Easements that have received Owner Approval	1
Fully Executed Easements Received	37

Phase 1 South

Easements Required	17
Owners Contacted	11 (all)
Fully Executed Easements Received	17

Voluntary Easements

Easements Volunteered	9
Interested Properties	7



Design – Phase 2

Progress Update

- On Schedule/Budget
- No issues or exceptions to report





Saves and Raves

Saves: Confirmatory utility exploration in Phase 1 South has eliminated two watermain deflections

Raves: Palm Beach Civic Association for a successful community forum