

TOWN OF PALM BEACH

Information for Town Council Meeting on: October 10, 2019

To: Mayor & Town Council

Via: Kirk W. Blouin, Town Manager

From: **Steven Stern, Underground Utilities Project Manager**

Re: Utility Undergrounding Project Status Report

Date: September 26, 2019

I. Communications

Community Meetings:

- South Phases: Cup of Joe with Bo & Town Staff
No October meeting, next meeting Fri, November 8.
- North Phases: Coffee with the Crew & Town Staff
No October meeting, next meeting Mon, November 4.
- Undergrounding Presentation to the Worth Ave Association.
Wednesday, September 11 at the Colony Hotel.
- Underground Utilities Task Force Meeting
Wednesday, October 2, Council Chambers

II. Progress Summary:

Construction progress:

Phase 1 South Construction:

- Construction is 95% complete.
- FPL conversions targeted by end of October. As of Sep 26th, 35 of 55 condos conversions (57%) on S. Ocean Blvd are scheduled or complete. In Ibis Isle, 100% of the single-family homes are complete.
- ATT & Comcast conversions are complete with exception of ATT 911 services.
- Landscape in progress.
- Final pole removal planned for November - to begin after all conversions and decom are complete.

Phase 2 North Construction:

- Construction is >50% complete.
- FPL wire pull activities continue.
- Comcast wire pulls also in progress.
- ATT strike resolved and the provider has started installation activities.

Phase 2 South Construction:

- CMAR Burkhardt Construction, Inc, continues subcontractor bid process.
- Phase 2 South GMP is planned for the November Town Council agenda.

Phase 3 North Construction:

- Transitioning from design to construction phase.
- Finalizing outstanding easements, eliminated Chicanes.

Phase 3 South Construction:

- Bid package availability remains incomplete due to outstanding easements.
- We are making progress but not ready to begin the bid process at this time.

Design & Easement Progress:**Phase 2:**

- Phase 2 South Design is 99% complete

Easement Status:

- Phase 2 South: 93% of easements recorded.

Phase 3:

- Phase 3 North Design is 98% complete
- Phase 3 South Design is 75% complete

Easement Status:

- Phase 3 North: 97% of easements recorded or verbally approved

The need for P3N Chicanes has been eliminated.

Update:

- | | |
|-----------------------|-------------------|
| 1. Merrain Road - | 2 Recorded |
| 2. Kenlyn Road - | 2 Verbal Approval |
| 3. La Puerta Way - | 1 Recorded |
| 4. Mockingbird Tr a - | 2 Verbal Approval |
| 5. Mockingbird Tr b - | 2 Verbal Approval |

- Phase 3 South: 75% of easements approved
Challenging areas include some properties on S. County Road and south of Worth Ave within the alley.

Phase 4:

- Phase 4 North Design is 58% complete
- Phase 4 South Design is 42% complete

Easement Status:

- Phase 4 North: 19% of easements approved
- Phase 4 South: 13% of easements approved
Challenging areas include some properties north of Worth Ave within the alley and parking lots.

Phase 5:

- Phase 5 North Design is 30% complete
- Phase 5 South Design is 30% complete

Easement Status:

- Phase 5 North: Not Started
- Phase 5 South: Not Started



Underground Utility Project Monthly Progress Report October 2019

Table of Contents

Dashboard – Phase 1, 2, 3 Construction and Phase 2, 3, 4, 5 Design

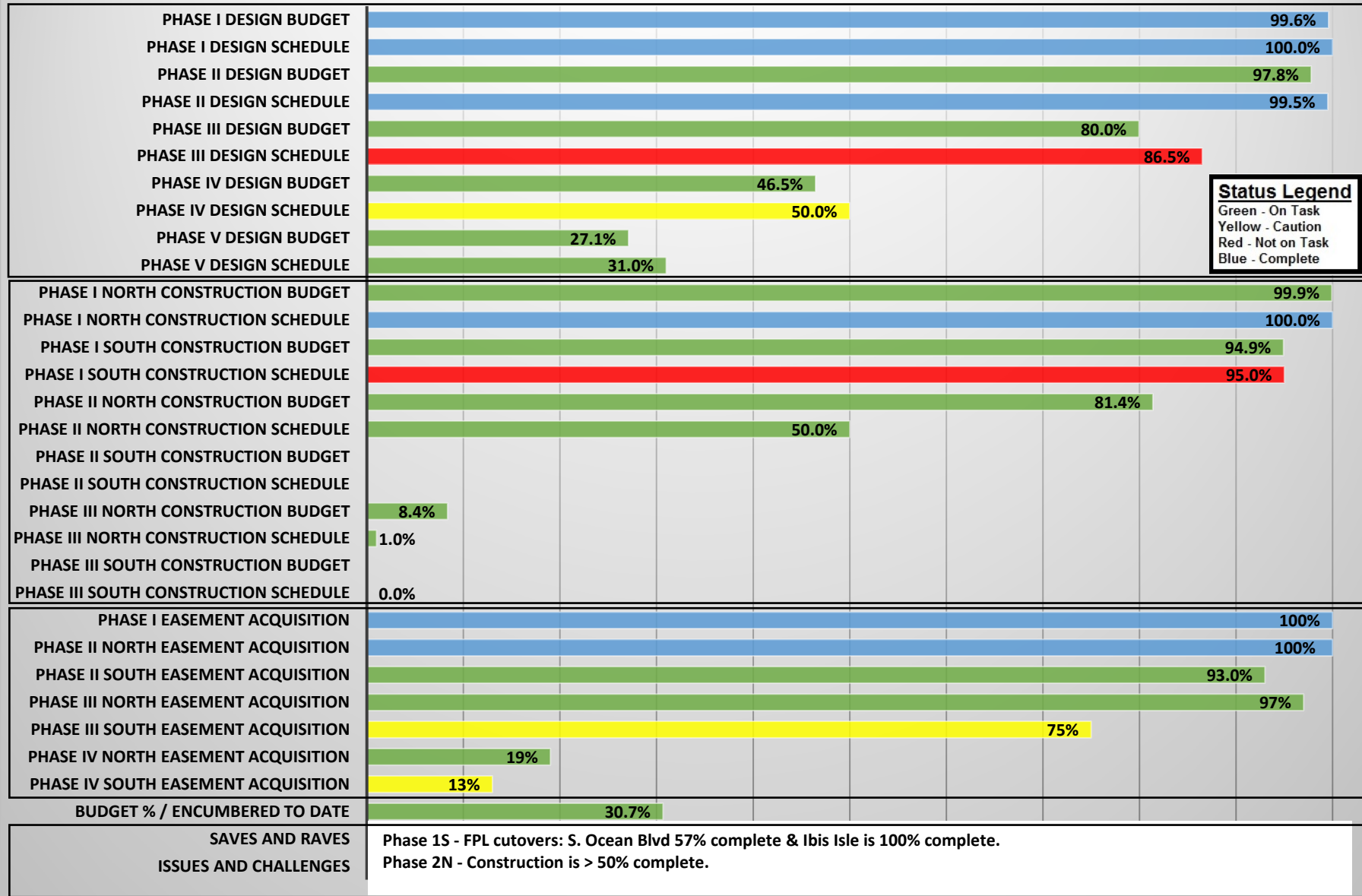
1. Townwide Undergrounding - Phasing & Sequencing Program Map
2. Kimley-Horn - Design Progress Reports - Phase 2 - 5
3. Kimley-Horn - Design Phase 2 - 5 Gantt Charts
4. Burkhardt - Executive Summary & Schedule – Phase 2N & 3N
5. Whiting Turner - Executive Summary & Schedule – Phase 1S
6. Project Financial Report
7. Interest Rate Forecast

Dashboard Notes:

- Overall Budget represents the percentage encumbered to date versus the total project budget of \$102 million.

Town of Palm Beach - Underground Utility Project Dashboard - Oct '19

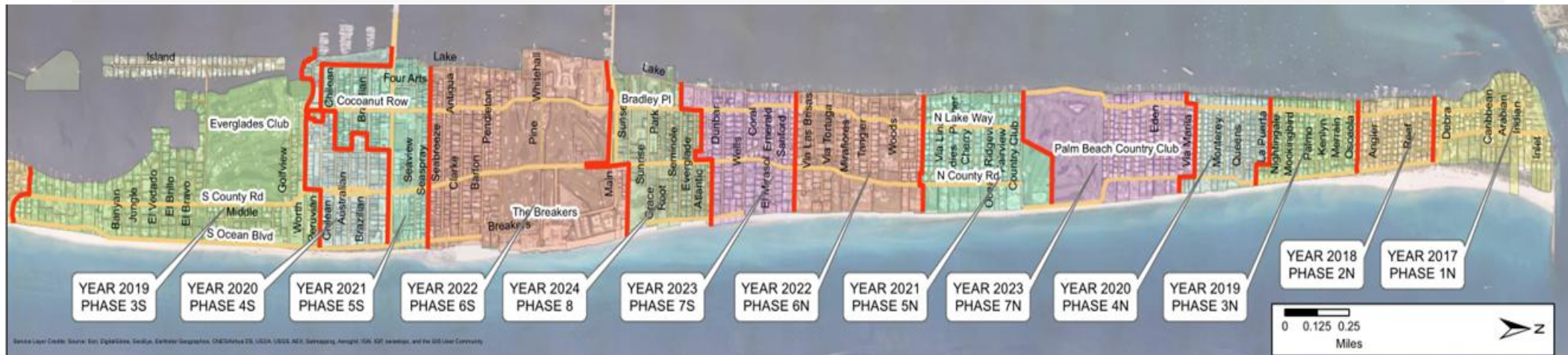
0.0% 10.0% 20.0% 30.0% 40.0% 50.0% 60.0% 70.0% 80.0% 90.0% 100.0%



Status Legend
 Green - On Task
 Yellow - Caution
 Red - Not on Task
 Blue - Complete



Phasing and Sequencing





**Town-Wide Undergrounding - Phase 2 Design
KHA Project #044063202
September 2019 Progress Report
Period: August 21, 2019 to September 19, 2019**

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 2 North Design is 100% complete
 - Phase 2 South Design is 99% complete
- Budget: Project is on budget as of June 15, 2018
 - Phase 2 North Design is at 99% of total task budget
 - Phase 2 South Design at 99% of total task budget
- Easement Status
 - Phase 2 North: 100% of easements approved
 - Phase 2 South: 93% of easements approved

B. Detailed Design Phase

- Continued coordination with Comcast, AT&T and FPL to finalize Network Design Plans for Phase 2 South.
- Continued resident coordination for easement acquisition in Phase 2 South.
- Conduct and attend Design Progress Meeting and develop/distribute Meeting Minutes
- Attendance at Meeting with BCI to discuss Phase 2 South bidding
- Attendance at Progress Meeting with Town and Utility Owners
- Attendance at Subconsultant Coordination Meetings

II. Upcoming Activities (September 20, 2019 – October 19, 2019)

A. Detailed Design Phase

- Continue resident meetings/conference calls to discuss easements in Phase 2 South.
- Continued coordination with Comcast, AT&T and FPL to finalize Network Design Plans for Phase 2 South.
- Progress Meeting Attendance.
- Continue to coordinate with CMAR for Phase 2 South bidding.



Town-Wide Undergrounding - Phase 3 Undergrounding
KHA Project #044063215
September 2019 Progress Report
Period: August 21, 2019 to September 19, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 3 North Design is 98% complete *
 - Phase 3 South Design is 75% complete *
- Budget: Project is on budget as of August 15, 2019
 - Phase 3 North Design is at 89% of total task budget
 - Phase 3 South Design at 75% of total task budget
- Easement Status
 - Phase 3 North: 97% of easements approved
 - Phase 3 South: 75% of easements approved

* Phase 3 South is currently behind schedule.

B. Detailed Design Phase

- o Continued Subconsultant/utility owner coordination
- o Continued Progress on development of Bid Plans for Phase 3 South.
- o Continued review and comment on FPL, ATT and Comcast Design Plans
- o Coordination of Golfview Alley design quotation process with BCI.
- o Progress Meeting Attendance.
- o Progress on Phase 3 South Landscape plans.
- o Continued development of Phase 3 North and South easement exhibits and submittal to Town.
- o Site meetings with property owners to discuss easement requests in Phase 3 North and South.
- o Development of legal sketches and descriptions for Phases 3 North and South.

II. Upcoming Activities (September 20, 2019 – October 19, 2019)

A. Detailed Design Phase

- o Continued Subconsultant/utility owner coordination
- o Continued Progress on development of Bid Plans for Phase 3 South.
- o Continued Easement meetings with property owners – Phases 3 North and South
- o Continued coordination with FPL, AT&T and Comcast to complete the Phase 3 South design
- o Progress Meeting Attendance



Town-Wide Undergrounding - Phase 4 Undergrounding

KHA Project #044063219

September 2019 Progress Report

Period: August 21, 2018 to September 19, 2019

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below.
 - Phase 4 North Design is 58% complete
 - Phase 4 South Design is 42% complete
- **Budget:** Project is on budget as of July 15, 2019
 - Phase 4 North Design is at 53% of total task budget
 - Phase 4 South Design at 39% of total task budget
- **Easement Status**
 - Phase 4 North: 19% of easements approved
 - Phase 4 South: 13% of easements approved.

B. Detailed Design Phase

- o Subconsultant coordination related to Phase 4 Undergrounding
- o Progress on soft dig field utility investigation in Phase 4 South.
- o Continued coordination with utility owners to receive design information.
- o Continued development of Equipment Location and Conduit Plans for Phase 4 North and South.
- o Performed field work to obtain information for equipment placement based on easement meetings with property owners.
- o Revised plans to maximize right of way equipment placement.
- o Review of FPL Conduit and Equipment Plans, coordination with FPL regarding design modifications.
- o Development and delivery of easement exhibits to the Town for Phases 4 North and South.
- o Progress Meeting Attendance
- o Site visits and meetings with property owners to discuss easement requests

II. Upcoming Activities (September 20, 2019 – October 19, 2019)

A. Detailed Design Phase

- o Continued coordination with utility owners to refine the design.
- o Receive and review Comcast design for Phase 4 South.
- o Continued development and submittal of easement exhibits for Phases 4 North and South.
- o Continued development of Equipment Location and Conduit Plans for Phases 4 North and South.
- o Meetings with property owners to discuss easement requests.
- o Progress Meeting attendance.



Town-Wide Undergrounding - Phase 5 Undergrounding

KHA Project #044063229

September 2019 Progress Report

Period: August 26, 2019 to September 25, 2019

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below
 - Phase 5 North Design is 31% complete
 - Phase 5 South Design is 31% complete
- **Budget:** Project is on budget as of September 15, 2019
 - Phase 5 North Design is at 23% of total task budget
 - Phase 5 South Design is at 24% of total task budget
- **Easement Status**
 - Phase 5: N/A, will provide status when this work begins

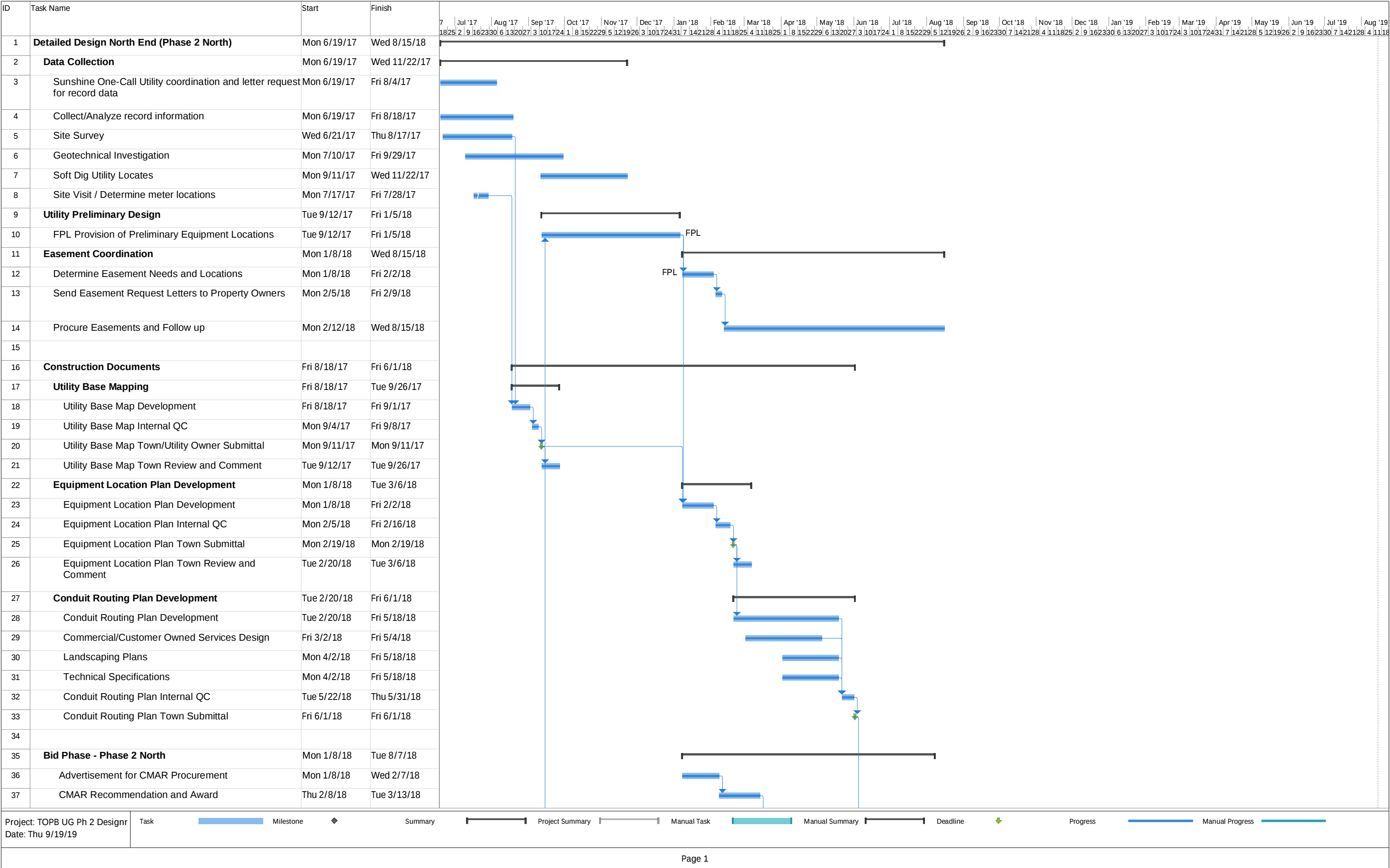
B. Detailed Design Phase

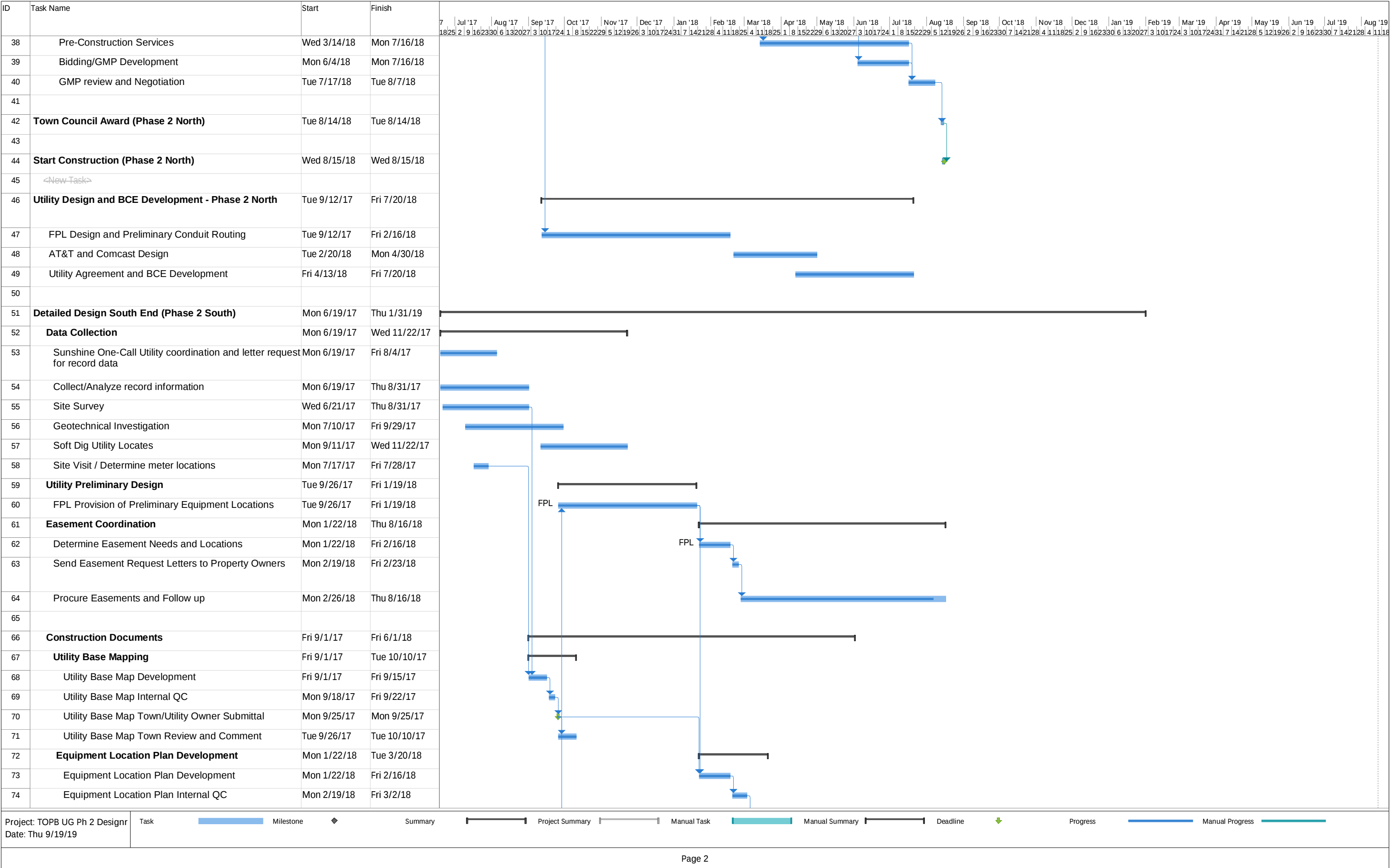
- o Awaiting preliminary equipment locations from FPL
- o Coordinated with utility companies, sub-consultants, and Town
- o Led coordination meetings with sub-consultants

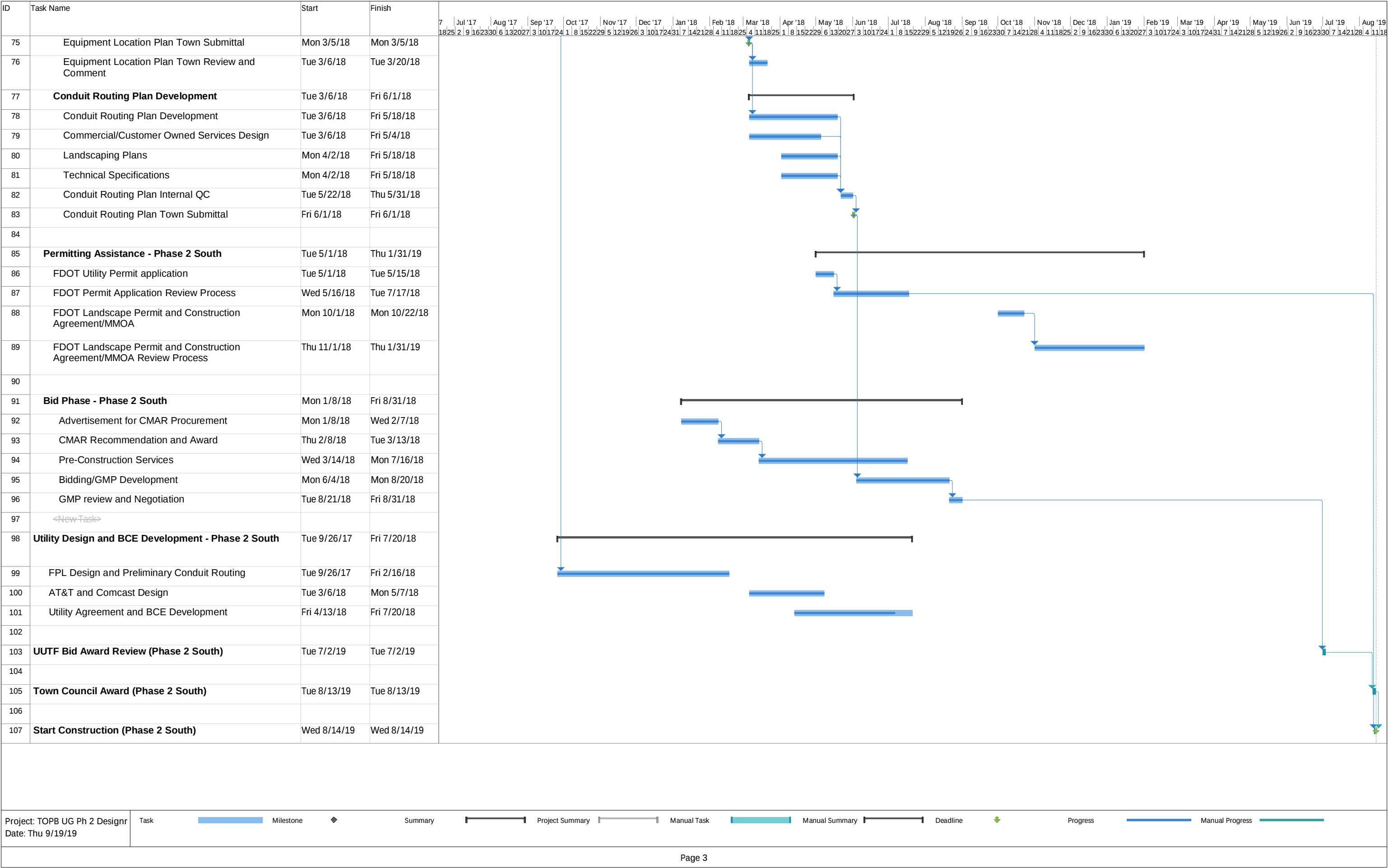
II. Upcoming Activities (September 26, 2019 – October 25, 2019)

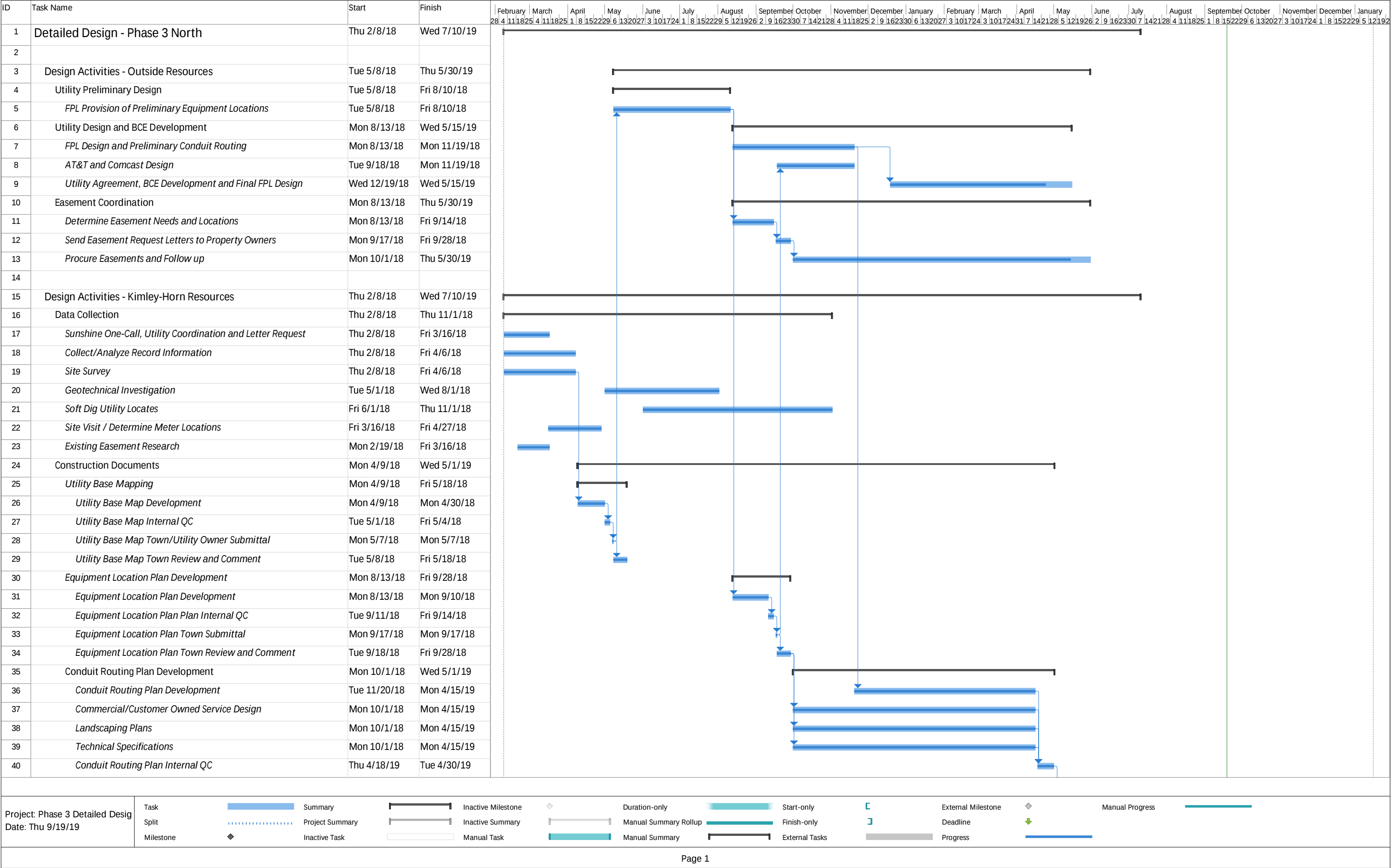
A. Detailed Design Phase

- o Await preliminary equipment locations from FPL
- o Coordinate with utility companies, sub-consultants, and Town
- o Lead coordination meetings with sub-consultants



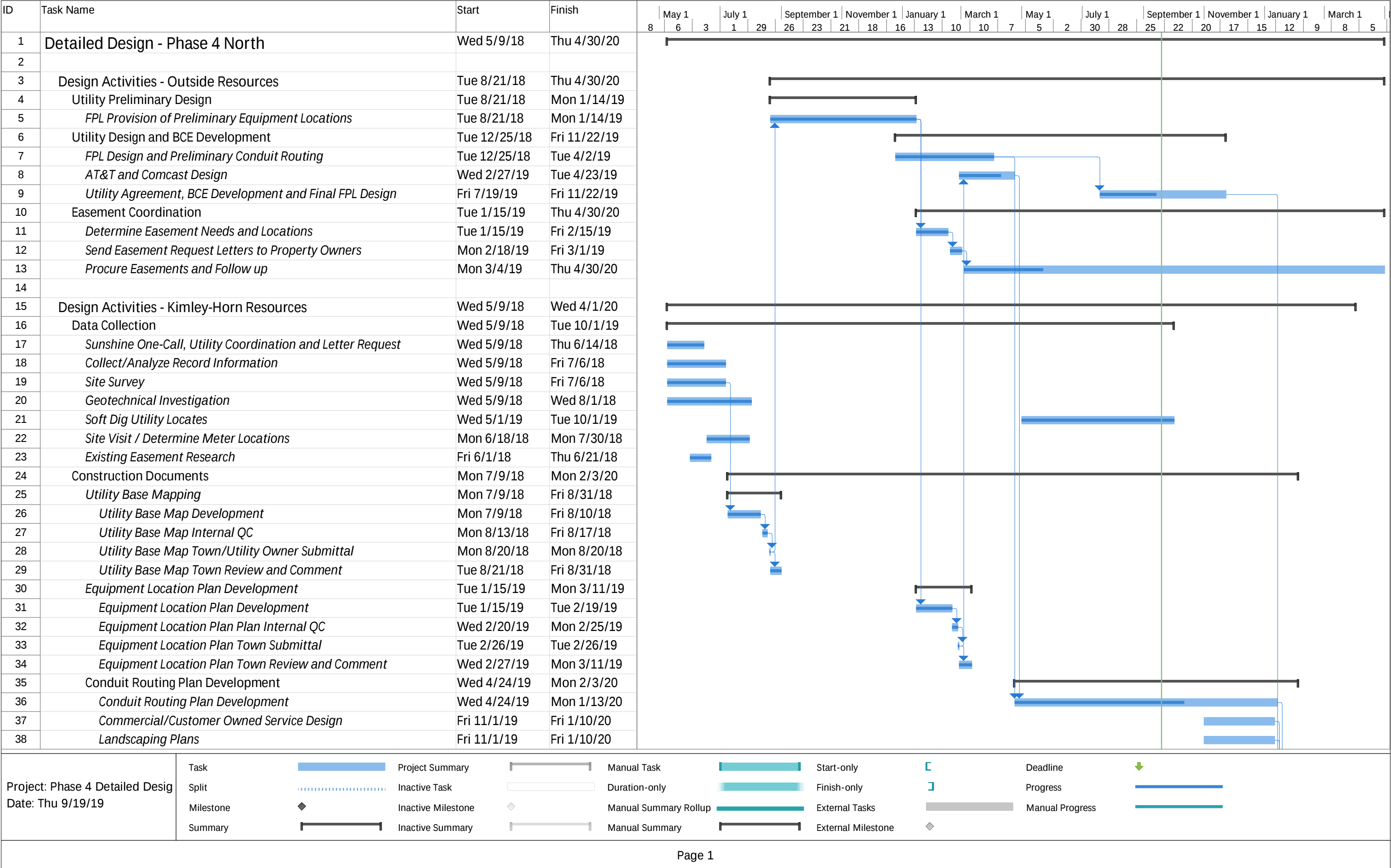




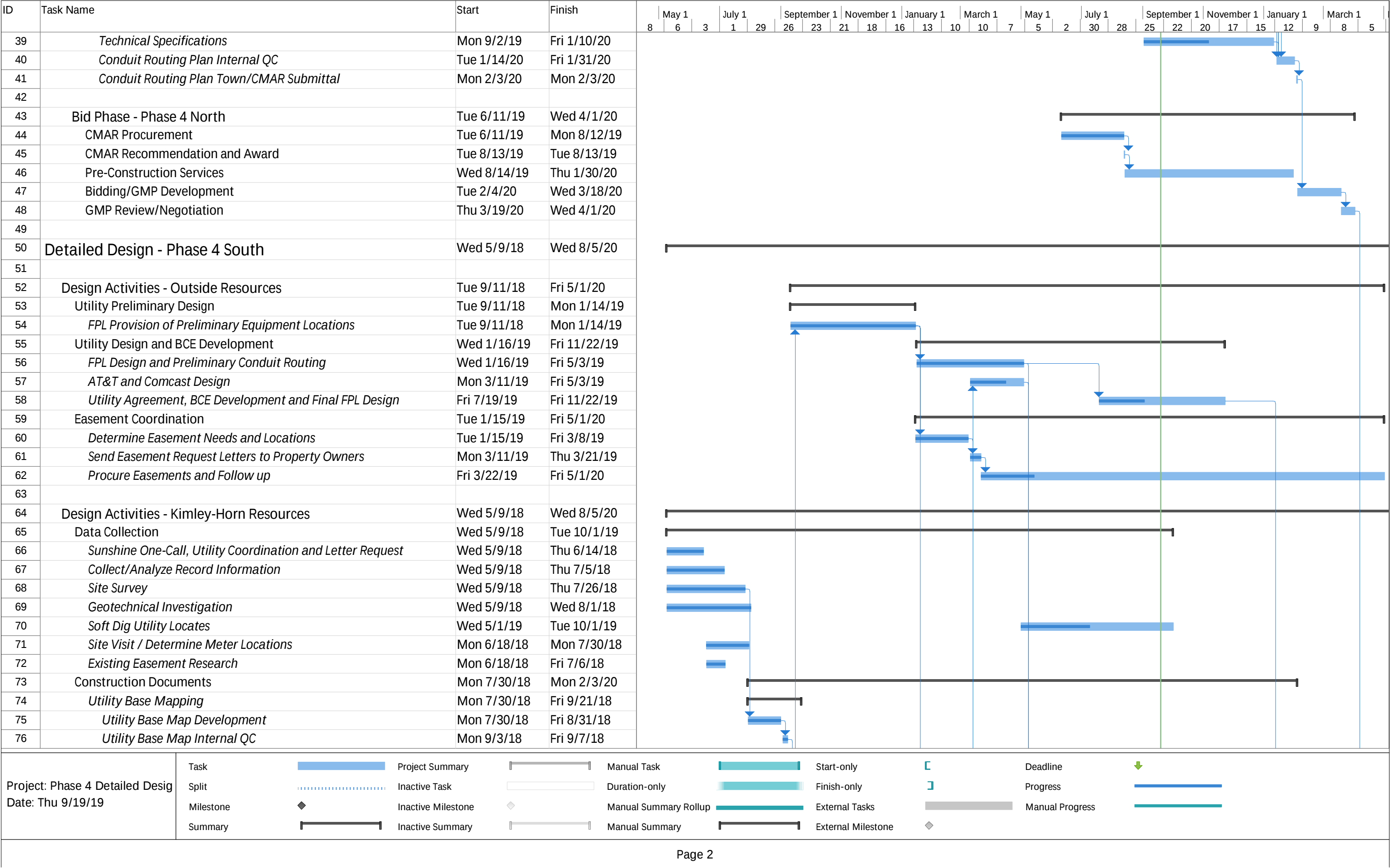


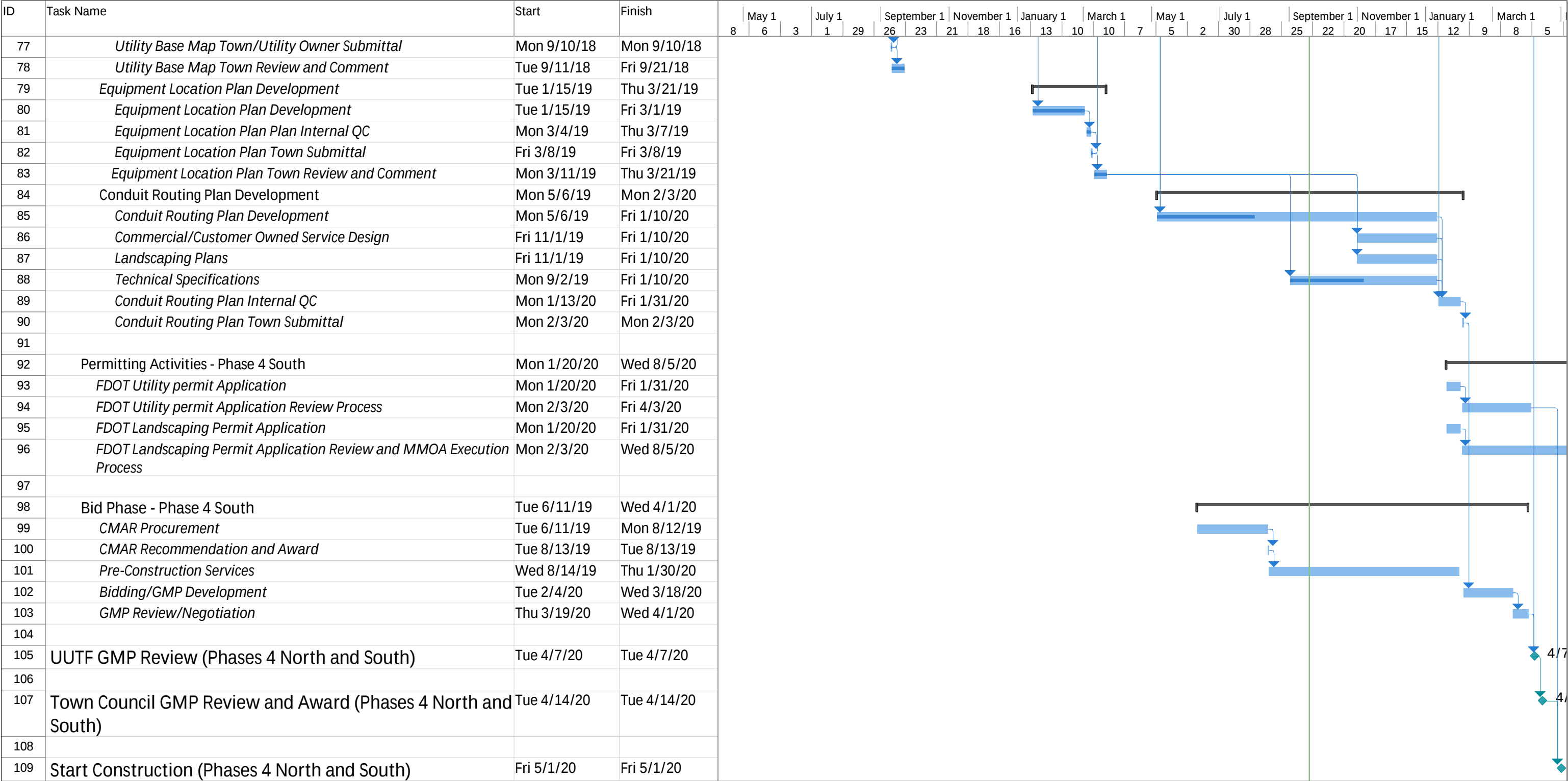
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ID	Task Name	Start	Finish																																																
41	Conduit Routing Plan Town/CMAR Submittal	Wed 5/1/19	Wed 5/1/19																																																
42																																																			
43	Bid Phase - Phase 3 North	Mon 9/3/18	Wed 7/10/19																																																
44	CMAR Procurement	Mon 9/3/18	Fri 11/2/18																																																
45	CMAR Recommendation and Award	Tue 11/13/18	Tue 11/13/18																																																
46	Pre-Construction Services	Wed 11/14/18	Fri 5/31/19																																																
47	Bidding/GMP Development	Thu 5/2/19	Tue 6/4/19																																																
48	GMP Review/Negotiation	Wed 6/5/19	Tue 6/18/19																																																
49																																																			
50	UUTF GMP Review (Phases 3 North and South)	Tue 7/2/19	Tue 7/2/19																																																
51																																																			
52	Town Council GMP Review and Award (Phases 3 North and South)	Tue 7/9/19	Tue 7/9/19																																																
53																																																			
54	Start Construction (Phases 3 North and South)	Wed 7/10/19	Wed 7/10/19																																																
55																																																			
56	Detailed Design - Phase 3 South	Thu 2/8/18	Wed 1/15/20																																																
57																																																			
58	Design Activities - Outside Resources	Mon 6/25/18	Tue 7/30/19																																																
59	Utility Preliminary Design	Mon 6/25/18	Tue 9/25/18																																																
60	FPL Provision of Preliminary Equipment Locations	Mon 6/25/18	Tue 9/25/18																																																
61	Utility Design and BCE Development	Wed 9/26/18	Mon 7/15/19																																																
62	FPL Design and Preliminary Conduit Routing	Wed 9/26/18	Tue 12/4/18																																																
63	AT&T and Comcast Design	Wed 10/17/18	Mon 12/17/18																																																
64	Utility Agreement, BCE Development and Final FPL Design	Wed 12/19/18	Mon 7/15/19																																																
65	Easement Coordination	Wed 9/26/18	Tue 7/30/19																																																
66	Determine Easement Needs and Locations	Wed 9/26/18	Tue 10/30/18																																																
67	Send Easement Request Letters to Property Owners	Wed 10/31/18	Mon 11/12/18																																																
68	Procure Easements and Follow up	Tue 11/13/18	Tue 7/30/19																																																
69																																																			
70	Design Activities - Kimley-Horn Resources	Thu 2/8/18	Wed 1/15/20																																																
71	Data Collection	Thu 2/8/18	Thu 11/1/18																																																
72	Sunshine One-Call, Utility Coordination and Letter Request	Thu 2/8/18	Fri 3/16/18																																																
73	Collect/Analyze Record Information	Thu 2/8/18	Fri 4/6/18																																																
74	Site Survey	Thu 2/8/18	Mon 5/7/18																																																
75	Geotechnical Investigation	Tue 5/1/18	Wed 8/1/18																																																
76	Soft Dig Utility Locates	Fri 6/1/18	Thu 11/1/18																																																
77	Site Visit / Determine Meter Locations	Fri 3/16/18	Fri 4/27/18																																																
78	Existing Easement Research	Mon 2/19/18	Fri 3/16/18																																																
79	Construction Documents	Tue 5/8/18	Mon 7/1/19																																																
Project: Phase 3 Detailed Design Date: Thu 9/19/19		Task Split Milestone Summary Project Summary Inactive Task Inactive Milestone Inactive Summary Manual Task Duration-only Manual Summary Rollup Manual Summary Start-only Finish-only External Tasks External Milestone Deadline Progress Manual Progress																																																	
Page 2																																																			



Page 1





Project: Phase 4 Detailed Design
Date: Thu 9/19/19

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

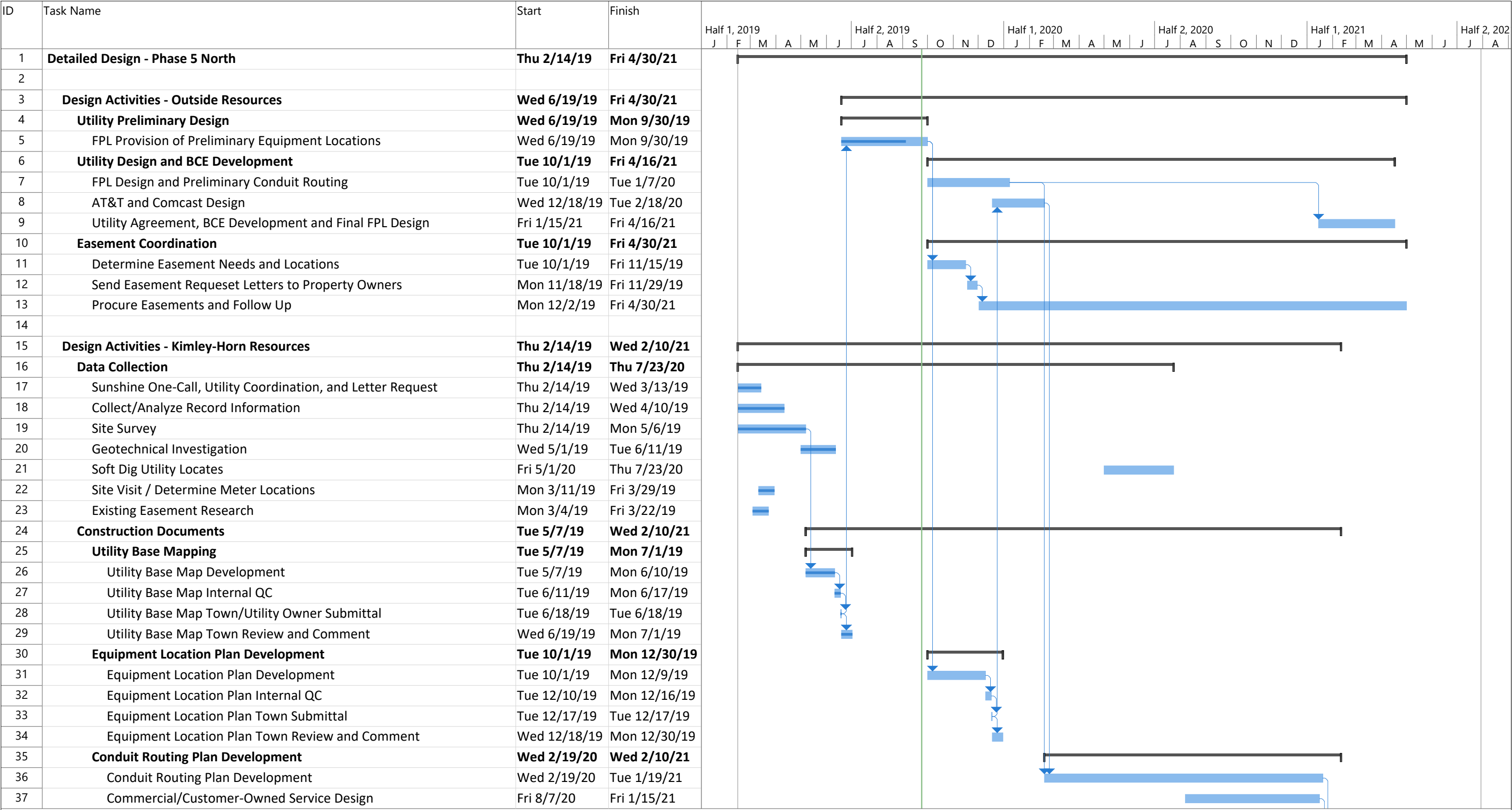
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: 2019_0226_Schedule
Date: Tue 9/24/19

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

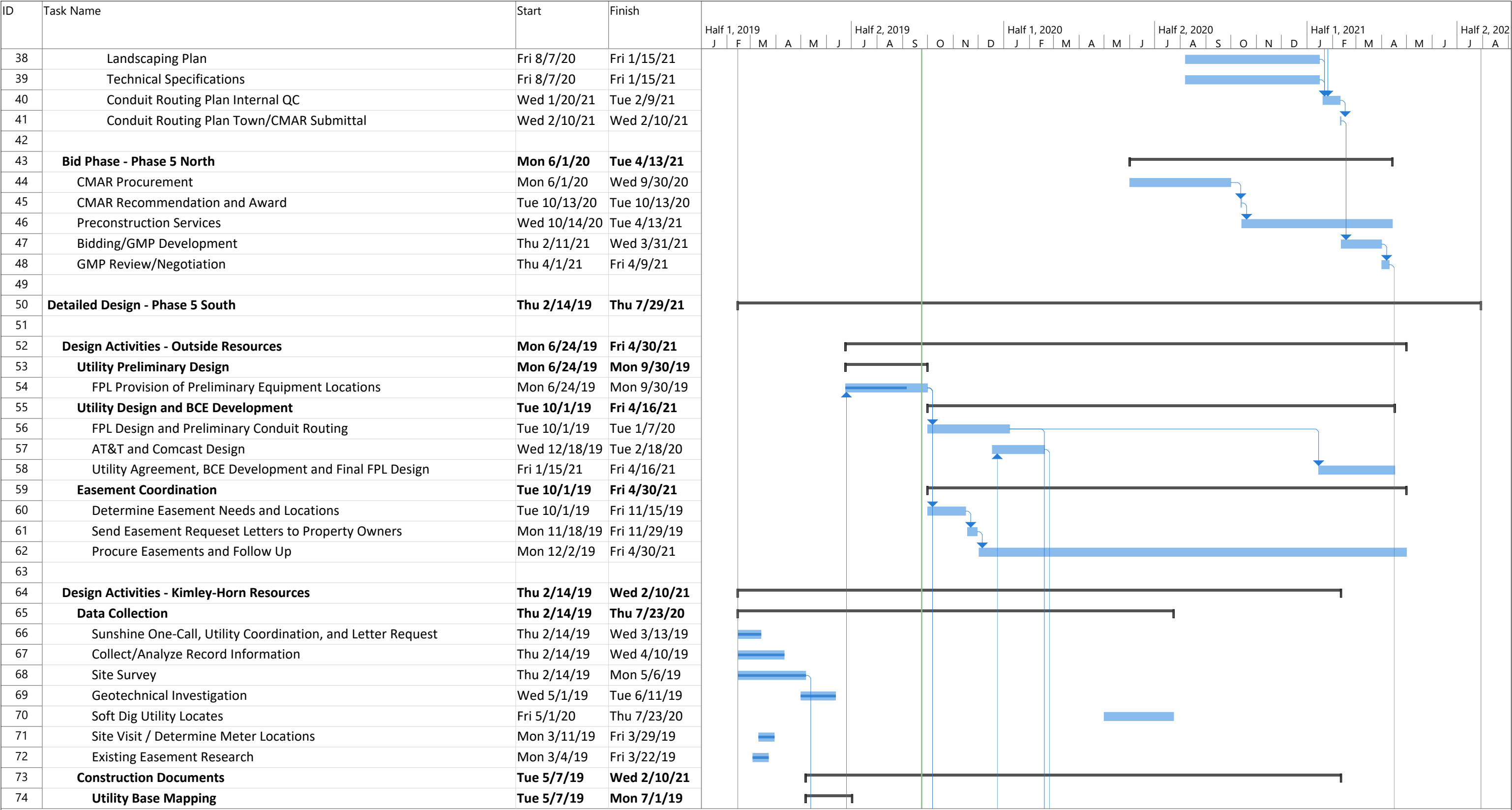
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: 2019_0226_Schedule
Date: Tue 9/24/19

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

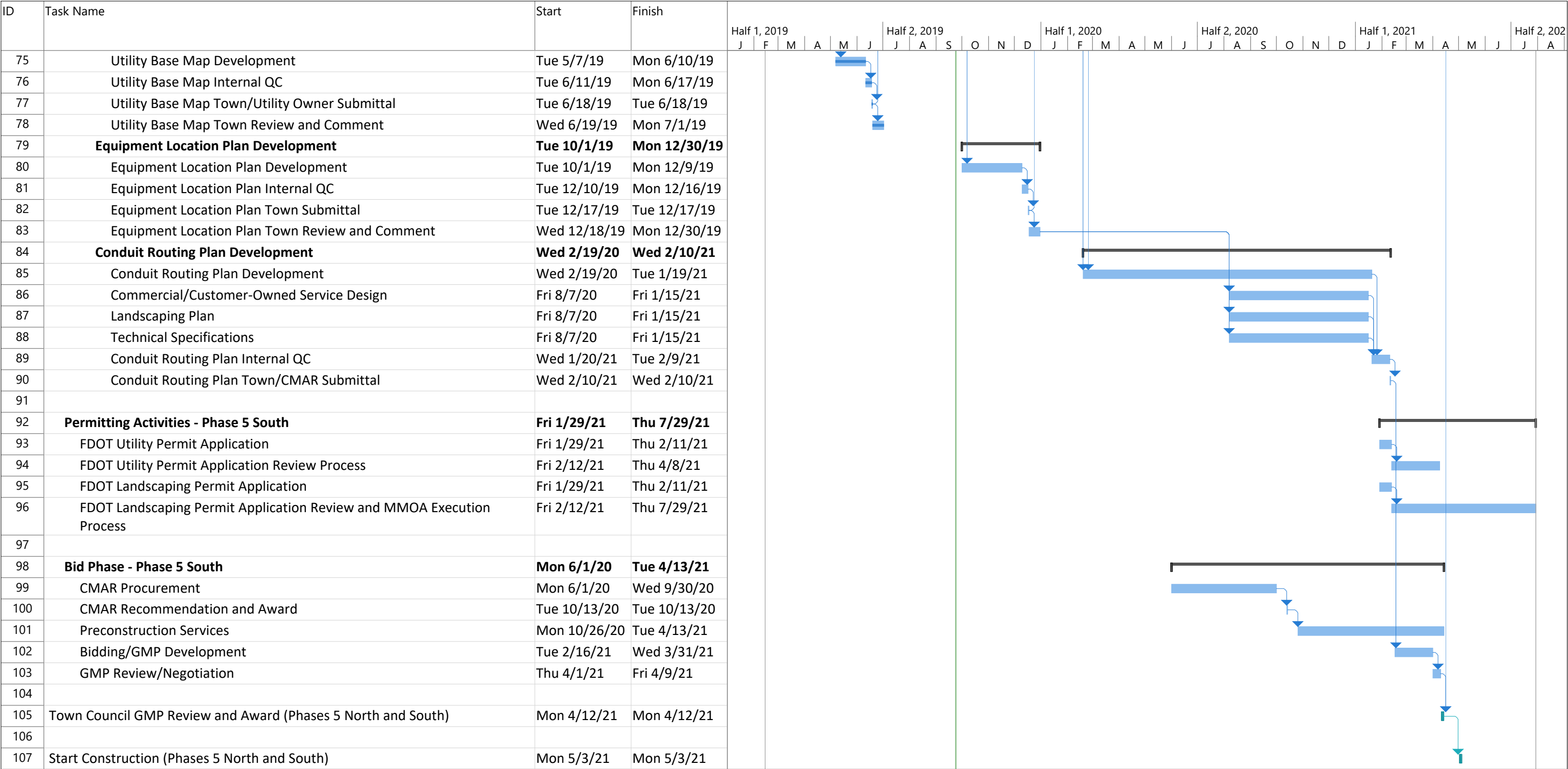
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: 2019_0226_Schedule
Date: Tue 9/24/19

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Vincent G. Burkhardt
President



Executive Summary

Vincent G. Burkhardt
President



Executive Summary
For
August 2019

Project Description

Townwide Overhead Utility Undergrounding
Phase 2 North
P.O. # 181400

Project Status:

In August the project turned from conduit installation to wire pulling. One of the crews began pulling primary cables from the north end of the project and worked their way heading south. A second crew began pulling secondary wire at the southern end of the project. A third crew followed up behind the wire pulling crews and began making connections at the transformers.

COMCAST crews began pulling their cables through the conduits that have been installed throughout the project.

Florida Public Utilities (FPU Gas), finished the installation of the new gas lines and is in the process of doing roadway restoration.

The project remains on schedule and continues to stay within budget.

TOWN-WIDE OVERHEAD UTILITY UNDERGROUNDING
PHASE 2 NORTH
PRELIMINARY SCHEDULE
RFQ No. 2018-03

ID	Task Name	% Comple	Duration	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
1	Phase 2 NORTH	50%	399 days	Tue 8/14/18	Fri 2/21/20																						
2	Town Council Approval	100%	1 day	Tue 8/14/18	Tue 8/14/18																						
3	Award Prime Contract	100%	13 days	Wed 8/15/18	Fri 8/31/18																						
4	Permitting	100%	14 days	Wed 8/15/18	Mon 9/3/18																						
5	Customer Owned Service Connection Permitting	90%	14 days	Wed 8/15/18	Mon 9/3/18																						
6	Sub Contract Agreements	100%	14 days	Wed 8/15/18	Mon 9/3/18																						
7	Material Procurement	99%	11 days	Mon 8/20/18	Mon 9/3/18																						
8	Underground Conduit Installation, Primary/Secondary (FPL, ATT, Comcast)	100%	240 days	Mon 9/3/18	Fri 8/2/19																						
9	Feeder Splice Box Installation	95%	140 days	Sun 12/30/18	Thu 7/11/19																						
10	Set Transformers / Switch Cabinets (FPL)	95%	155 days	Sun 1/13/19	Thu 8/15/19																						
11	Secondary Services / Wire	80%	235 days	Mon 11/5/18	Fri 9/27/19																						
12	As-Built Submission / Review (FPL)	95%	220 days	Mon 2/11/19	Fri 12/13/19																						
13	Pull Wire / Terminations Primary (FPL)	65%	145 days	Mon 2/18/19	Fri 9/6/19																						
14	*ATT Rod Conduit, Pull Wire, Set Pedestals	0%	180 days	Mon 3/11/19	Fri 11/15/19																						
15	*Comcast Pull Wire, Set Pedestals	10%	180 days	Mon 3/11/19	Fri 11/15/19																						
16	Cut over / Overhead Removal (ATT/Comcast)	0%	150 days	Mon 6/3/19	Fri 12/27/19																						
17	Energize Underground (FPL)	0%	140 days	Mon 4/8/19	Fri 10/18/19																						
18	Secondary Service Switch Over (FPL)	0%	180 days	Fri 4/19/19	Thu 12/26/19																						
19	** Demo Overhead / Remove Poles (FPL) / Final Restoration	0%	180 days	Mon 6/17/19	Fri 2/21/20																						
20	*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%																									
21	**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%																									
22	Storm Drainage	75%	30 days	Mon 8/12/19	Fri 9/20/19																						

SAFETY

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

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

CONSTRUCTION

- ◆ Some switching orders for the south end of South Ocean Blvd. (south of Lake Ave.) received from FPL. Conversions currently in progress. Approx. 35 conversions completed to date.
- ◆ S. Ocean Blvd (Electrical Undergrounding Crew) - Undergrounding Crews are 100% scope of work completed. Street Lighting install completed. FPL Punchlist related items completed. Some switching orders received from FPL. Electrical conversions 10% completed.
- ◆ Phipps Ocean North Parking Lot Lighting conduit, handholes and pole installation completed. Switching orders for completing this area pending from FPL.
- ◆ Ibis Isle AT&T/Comcast conduit installation along with drainage improvements and striping complete. Ibis Island switching order received, energizing in progress. 28 conversions completed to date on Ibis Isle.
- ◆ A-41 electrical/mechanical installations complete. Roof install 100% completed.

DOCUMENTATION:

RFIs:

- A. 37 RFIs issued to date
- B. 0 Outstanding RFI

SUBMITTALS:

- A. 276+ Individual Submittals Processed
- B. 0 Submittal Package Currently Under Review
- C. 0 Submittal Packages Pending Submission to A/E

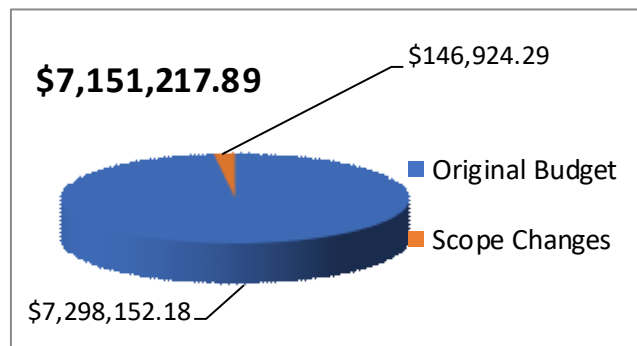
DRAWINGS: Added Scopes of Work

- A. Post GMP Phipps Ocean Park Restroom Building.
- B. Post GMP Phipps Ocean Park Lighting.
- C. Post GMP A-41 Wastewater Pump Station.
- D. Post GMP Ibis Bridge Watermain Crossing.

RELEVANT POTENTIAL CHANGES:

- A. Time Extension Requested based on delayed receipt of Switching Orders from FPL.

FINANCIALS—BUDGET VS. COSTS



Current GMP Amount	—	\$7,151,217.89
Approved Owner Initiated Scope Changes	—	\$146,934.29
Gross Billings to Date (\$)	—	\$6,594,884.75
Gross Billings to Date (%)	—	92%
Schedule % Completed	—	95%



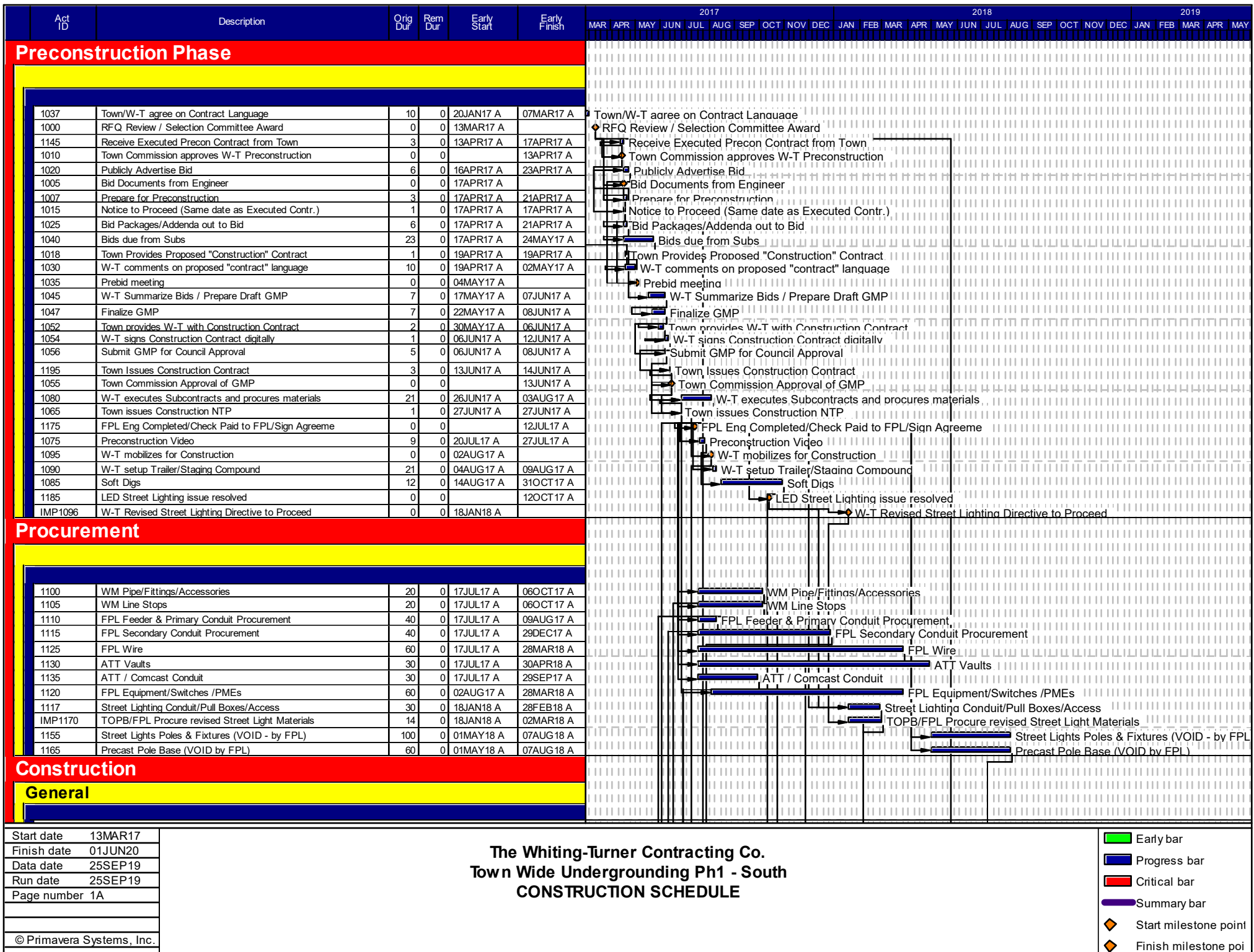
SCHEDULE SUMMARY

S. Ocean Undergrounding -Sta 11+10 to Sta 243+66					
1570	Converting / Energizing Services	45	44	17MAY19 A	21AUG19
1530	ATT remove Overhead Facilities	10	10	23MAY19	05JUN19
1535	Comcast remove Overhead Facilities	10	10	23MAY19	05JUN19
1537	Restoration due to ATT work	10	10	06JUN19	19JUN19
1540	Restoration due to Comcast work	10	10	06JUN19	19JUN19
1575	De-energize existing Aerial Power	7	7	22AUG19	30AUG19
A-41 Pump Station					
Preconstruction					
4100	Bid Packages to Subs	5	0	23MAR18 A	26APR18 A
4105	Subcontractor Bids Due	10	0	26APR18 A	10MAY18 A
4110	WT Prepares Analysis & Submit to Owner	10	0	11MAY18 A	18MAY18 A
4115	Town Council/Engineer Approves WT Proposal	15	0	18MAY18 A	12JUN18 A
4120	Town Issues Change Order / PO	3	0	12JUN18 A	28JUN18 A
4125	WT Issues Contracts to Subs	10	0	12JUN18 A	18JUL18 A
Street Lighting					
IMP4140	Davco to complete Punchlist per Town/MR	10	5	30NOV18 A	24MAY19
4050	Asphalt/Concrete Restoration	15	15	27MAY19	14JUN19
IMP4130	Primary to be Energized (Heat-up/Switching Order)	1	1	03JUN19	03JUN19
4040	FPL to Energize Light Poles	10	10	04JUN19	17JUN19
4060	Landscape & Irrigation Restoration	10	10	17JUN19	28JUN19
4090	Bid Unit #4 Substantial Completion	0	0		28JUN19



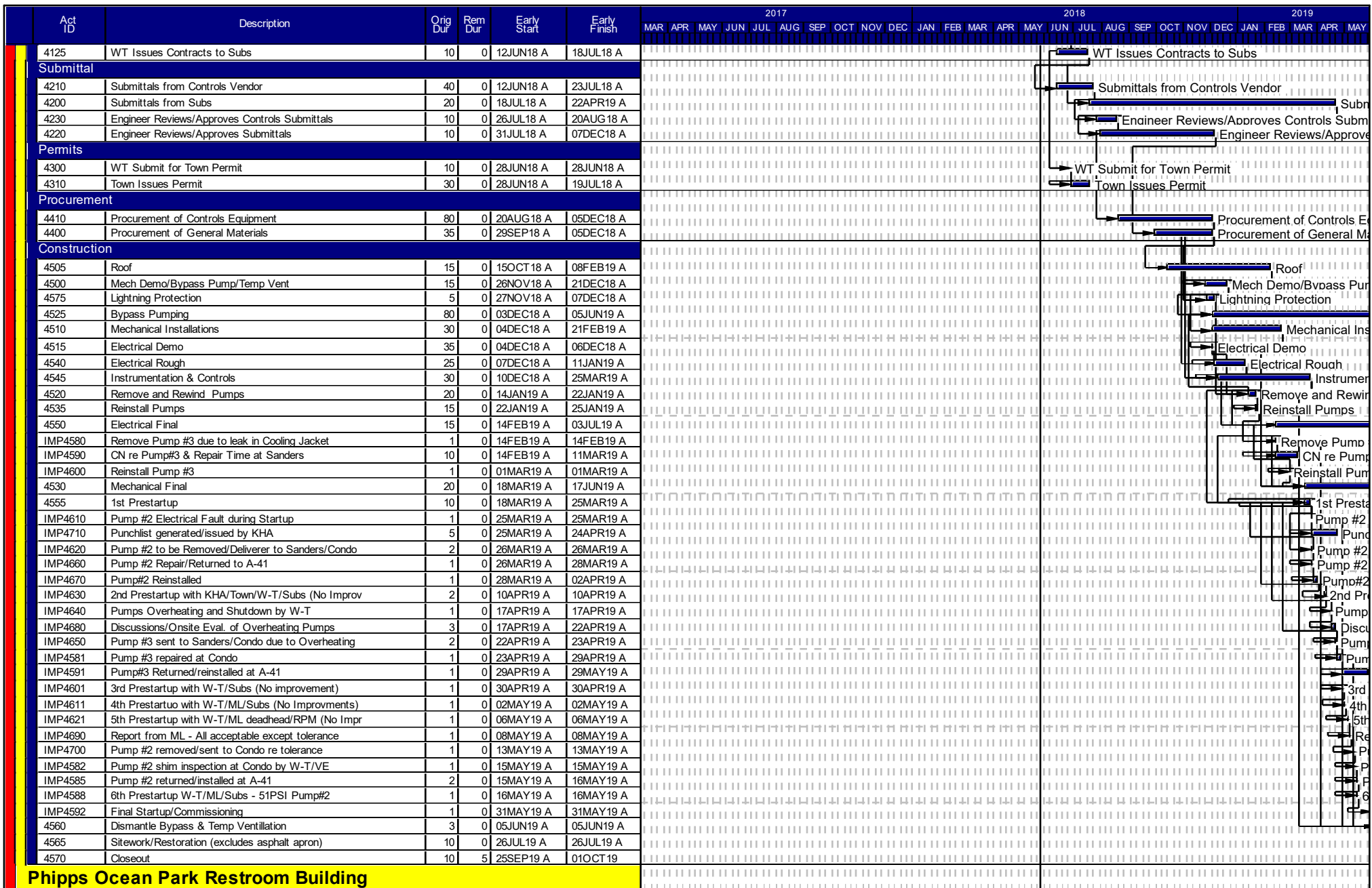
SCHEDULE NOTES / IMPACTS:

- Street Lighting conduit and handhole installations by Whiting-Turner 100% complete. Completion of the FPL Street Lighting installation punch-list (by FPL contractor) is still pending. This is preventing Whiting-Turner from completing the restoration scope.
- Additional AT&T/Comcast Service Conduit by Whiting-Turner at Ibis Isle completed. AT&T direct installations pending and Comcast direct installation approx. 100% completed. Service swaps are complete from both AT&T and Comcast.
- A-41 Pump Station pump back online. Roof installation complete.
- FPL switching orders slowly being received. Remaining switching orders pending.



Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	2017												2018												2019			
						MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
1200	Setup Advanced Warning (VMS Boards etc)	2	0	02AUG17 A	04AUG17 A																												
1205	Locates	10	0	09AUG17 A	04SEP17 A																												
1210	Soft Digs/Exploration	20	0	14AUG17 A	30NOV17 A																												
1215	Landscape Relocation/Demo	30	0	06SEP17 A	31MAY18 A																												
IMP 1207	Hurricane Irma Schedule Impacts	8	0	07SEP17 A	18SEP17 A																												
S. Ocean Undergrounding -Sta 11+10 to Sta 243+66																																	
IMP 1517	CAD files from Engineer	10	0	16AUG17 A	30AUG17 A																												
1500	ATT Conduit Installation	10	0	29AUG17 A	31MAY18 A																												
1505	Comcast Conduit Installation	10	0	29AUG17 A	31MAY18 A																												
1521	WM Deflections (See IMP1521 below)	60	0	29AUG17 A	21NOV17 A																												
1518	Line Stop Installations (See IMP1521 below)	50	0	04SEP17 A	29DEC17 A																												
1543	FPL Feed & Prim. Conduit Install (See IMP1543)	75	0	04SEP17 A	27DEC17 A																												
1545	Service Sweep Condu /Set Pads/SB (See IMP1543)	75	0	27SEP17 A	31AUG18 A																												
1512	FPL Feeder Splice Box Installation (See IMP1543)	20	0	23OCT17 A	31AUG18 A																												
1509	WT's Sub prov. As-Builts for ATT/Comc. (IMP1543)	5	0	01NOV17 A	28SEP18 A																												
1550	FPL Transformer Pad Installation	20	0	01NOV17 A	31AUG18 A																												
IMP1521	WM Deflections Delay (See WM Timeline)	28	0	21NOV17 A	29DEC17 A																												
IMP1543	FPL Feed & Prim Cond. Delay (See Plan Rev Time)	118	0	27DEC17 A	08JUN18 A																												
1547	WT's Sub provides As-Builts for FPL/TPB/K-H	5	0	29DEC17 A	23OCT18 A																												
1553	FPL Pull Feeder Wire (See IMP1543)	40	0	27JAN18 A	07SEP18 A																												
1557	FPL Pull Primary & Service Wire	50	0	27JAN18 A	14SEP18 A																												
1507	ATT Vault (Installed by W-T's Sub)	15	0	01MAR18 A	30JUN18 A																												
1555	FPL Equip/Vista Switches/PME/Xfmr (See IMP 1543)	55	0	01MAR18 A	07SEP18 A																												
1560	FPL Primary Cable at 3 Phase Transformer Termin	45	0	26MAR18 A	31AUG18 A																												
1525	Comcast Pull Wire/Set Pedestals/Terminations	20	0	01MAY18 A	30APR19 A																												
1527	ATT Pull Wire/Set Pedestals/Terminations	20	3	01MAY18 A	27SEP19																												
IMP1564	FPL installed Pole at South End in wrong locatio	56	0	07MAY18 A	24JUL18 A																												
1595	Orig. Switching Orders request FPL (south end)	2	0	21MAY18 A	21MAY18 A																												
1514	ATT/Comcast review as-built/inspect/procure wire	20	0	01JUN18 A	05DEC18 A																												
IMP 1545	Pre Punch Easement Delays (See Easem. Timeline)	57	0	08JUN18 A	19OCT18 A																												
1590	Final Landscape & Irrigation Restoration	40	35	06AUG18 A	28MAY20																												
IMP1567	ATT on hold - NO INSTALL PER TOWN	15	0	07SEP18 A	28SEP18 A																												
IMP1613	FPL Review Asbuilts	30	0	23OCT18 A	04DEC18 A																												
IMP1615	FPL Walkthru/FPL Punchlist	1	0	04DEC18 A	04DEC18 A																												
IMP1625	FPL Punchlist Items Addressed by W-T/Town	57	0	06DEC18 A	25FEB19 A																												
IMP1628	Revised Punchlist As-Builts to FPL (KHA)	2	0	25FEB19 A	27FEB19 A																												
IMP1630	FPL Reviews Punchlist Revised As-Builts	3	0	27FEB19 A	04MAR19 A																												
IMP1629	FPL Revised Asbuil Followup Meeting	0	0		27FEB19 A																												
IMP1605	Switching Orders requested from FPL	14	0	28FEB19 A	20MAR19 A																												
1565	Make Feeder Hot/Burn-in	10	8	20MAR19 A	25OCT19																												
IMP1635	Switching Order received from FPL	15	12	20MAR19 A	15OCT19																												
1570	Converting / Energizing Services	45	30	17MAY19 A	06DEC19																												
1530	ATT remove Overhead Facilities	10	8	19NOV18 A	09OCT19																												
1535	Comcast remove Overhead Facilities	10	0	19NOV18 A	31JAN19 A																												
1537	Restoration due to ATT work	10	7	04FEB19 A	18OCT19																												
1540	Restoration due to Comcast work	10	0	31JAN19 A	28FEB19 A																												
1575	De-energize existing Aerial Power	7	7	09DEC19	17DEC19																												
1580	Bid Unit #1 & #2 Substantial Completion	0	0		17DEC19																												
1585	FPL Remove Overhead Cond./Light/Poles (by FPL)	90	90	18DEC19	23APR20																												
Ibis Isle																																	
																					</												

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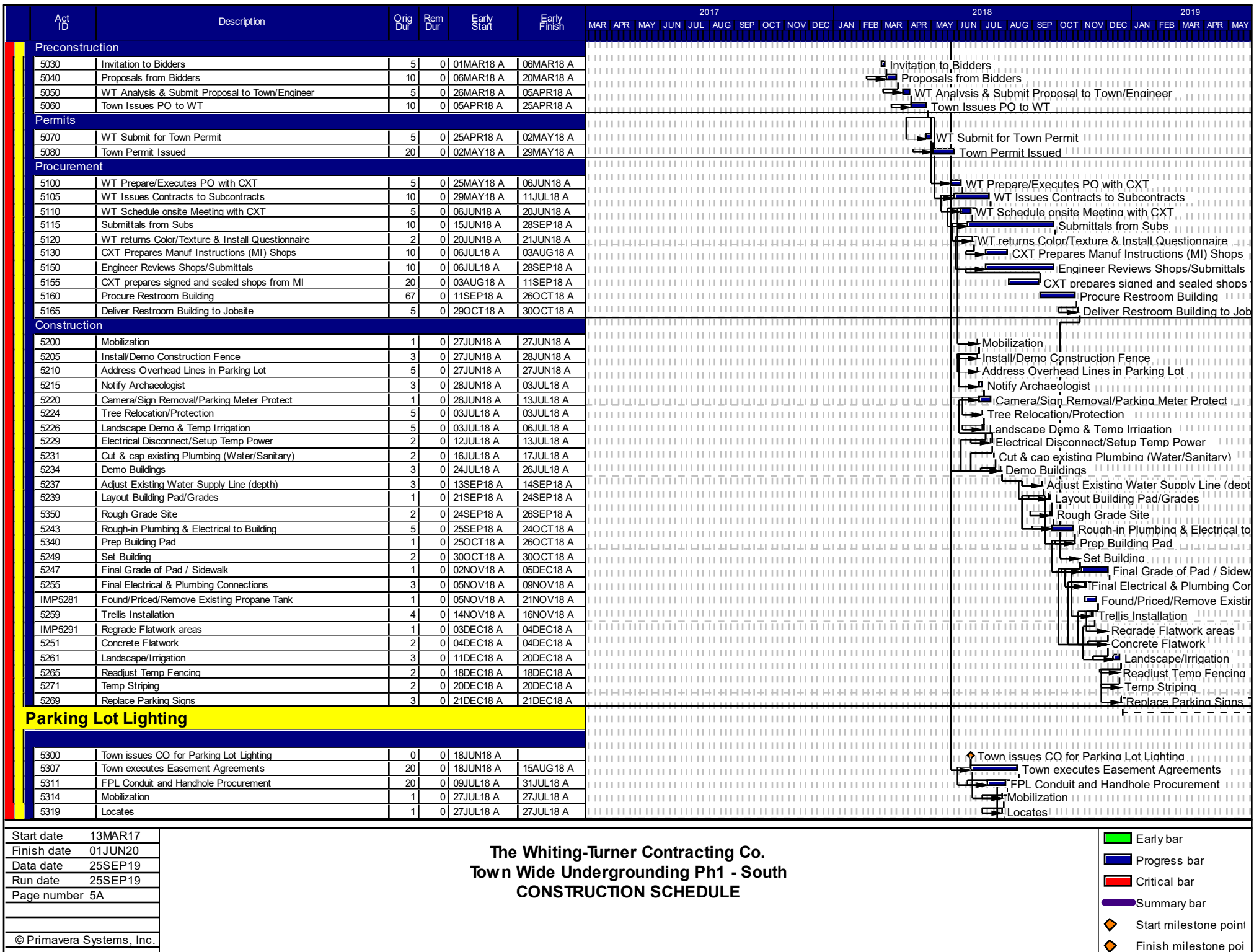
Phipps Ocean Park Restroom Building

Start date 13MAR17
 Finish date 01JUN20
 Data date 25SEP19
 Run date 25SEP19
 Page number 4A

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The Whiting-Turner Contracting Co. Town Wide Undergrounding Ph1 - South CONSTRUCTION SCHEDULE

- Early bar
- Progress bar
- Critical bar
- Summary bar
- ◆ Start milestone point
- ◆ Finish milestone point



Underground Utility Project Budget
Project Financial Summary
September 30, 2019

Expenditures	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 1	\$ 12,620,000	\$ 12,900,000	\$ 12,783,351	\$ 12,464,250	97.5%
Phase 2	\$ 9,170,000	\$ 9,710,000	\$ 5,897,832	\$ 5,074,246	86.0%
Phase 3	\$ 10,910,000	\$ 11,360,000	\$ 5,883,631	\$ 1,334,961	22.7%
Phase 4	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 537,051	41.1%
Phase 5	\$ 14,090,000	\$ 14,850,000	\$ 1,529,447	\$ 361,115	23.6%
Phase 6	\$ 16,820,000	\$ 17,690,000	\$ 1,850,002	\$ -	0.0%
Phase 7	\$ 11,730,000	\$ 12,220,000	\$ -	\$ -	
Phase 8	\$ 12,300,000	\$ 12,890,000	\$ -	\$ -	
Other	\$ 570,000	\$ 3,680,414	\$ 3,680,414	\$ 4,347,285	118.1%
Total Project Costs To Date	\$ 98,580,000	\$ 106,210,414	\$ 31,080,718	\$ 24,118,908	77.6%
Total Other Costs Outside Underground Budget			\$ 929,169	\$ 1,804,474	194.2%
Total Underground Project Costs			\$ 32,009,887	\$ 25,923,382	81.0%
Opinion of Cost - Master Plan			98,600,000		
AT&T and Comcast Additional Project Costs			6,700,000		
FPL Credit			(3,300,000)		
Total Project Budget			\$ 102,000,000		
% Budgeted/Encumbered To Date Project Costs			30.47%		
% Spent to Date - Project Costs			23.65%		

Project Revenues Received

Revenues	Budget	Actual	% of Budget
Revenues			
Prepaid Assessments		\$ 11,984,503	0.0%
Assessment Revenue	\$ 9,380,000	\$ 8,628,078	92.0%
Commercial Paper	\$ -	Paid off w/GO bond	0.0%
Town Owned Property Prepaid Assessments	\$ 2,797,291	\$ 2,797,291	100.0%
Interest on Assessment Escrow	\$ -	\$ 396,389	
Interest	\$ 12,000	\$ 1,480,704	12339.2%
GO Bond Proceeds	\$ 60,500,000	\$ 60,499,897	100.0%
1 Cent Sales Tax	\$ 2,500,000	\$ 1,458,333	58.3%
FPL		\$ 450,246	
Other			
Kevin McGann - CO #9		\$ 34,900	
Donations - Civic Association	\$ 49,250	\$ 49,250	100.0%
Transfer from (307) Fund CIP	\$ 760,200	\$ 760,200	100.0%
Transfer from (001) General Fund - PM Salary	\$ 265,000	\$ 253,750	
Total Project Revenues	\$ 76,263,741	\$ 88,793,541	116.4%

Underground Utility Project Budget
Phase 1 Project Costs
September 30, 2019

	Original OPC	Updated OPC	Budget	Actual	% Expended
Project Engineering					
Task 2.1 - Detailed Design North End	590,000		472,063	472,063	100.0%
Task 2.2 - Detailed Design South End	740,000		619,411	619,411	100.0%
Task 2.3 - Permitting Assistance			17,790	17,790	100.0%
Task 2.4 - Bid Phase Assistance			42,166	42,166	100.0%
Task 2.5 - Meetings - Design Phase			125,399	125,383	100.0%
Legal Sketch and Description - Easements			34,000	33,215	97.7%
Subtotal Design Phase	\$ 1,330,000	\$ 1,400,000	\$ 1,310,829	\$ 1,310,028	99.9%
Construction Costs					
Phase 1 North Construction					
Preconstruction			\$ 19,720	19,720	100.0%
Burkhardt Construction			\$ 3,598,144	3,598,144	100.0%
Street Light Conversion			\$ 26,273	40,934	155.8%
Change Order for AT&T and Comcast Conduit			\$ 371,201	371,201	100.0%
Other Change orders			\$ 130,415	130,415	100.0%
Utility Design Costs			\$ 15,595	15,595	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 476,776	483,548	101.4%
Construction Engineering (KH)			\$ 230,532	205,818	89.3%
	\$ 4,210,000	\$ 4,390,000	\$ 4,868,657	\$ 4,865,374	99.9%
Phase 1 South Construction					
Preconstruction			\$ 22,200	22,200	100.0%
Whiting Turner Construction			\$ 4,450,977	4,153,334	93.3%
Change Order for AT&T and Comcast Conduit			\$ 125,147	125,147	100.0%
Other Approved Change Orders			\$ 12,749	12,749	100.0%
Utility Design Costs			\$ 33,013	33,013	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 1,374,193	1,362,028	99.1%
Construction Engineering (KH)			\$ 283,880	272,915	96.1%
	\$ 6,800,000	\$ 6,830,000	\$ 6,302,159	\$ 5,981,385	94.9%
Easement Recording Fees			\$ 347	740	
Legal Costs/Easement Acquisition - Jones Foster	\$ 280,000	\$ 280,000	\$ 301,359	\$ 306,723	101.8%
Total Phase 1 Costs	\$ 12,620,000	\$ 12,900,000	\$ 12,783,351	\$ 12,464,250	97.5%

Underground Utility Project Budget
Phase 2 Project Costs
September 30, 2019

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 2 Design					
Kimley Horn					
Task 1.1 Phase 2 North Design	335,000	360,000	\$ 281,304	\$ 281,304	100.0%
Task 1.2 Phase 2 South Design	400,000	420,000	\$ 335,353	\$ 335,353	100.0%
Task 1.3 Permitting Assistance North and South			\$ 12,674	\$ 12,674	100.0%
Task 1.4 Bid Phase Assistance North and South			\$ 40,565	\$ 37,255	91.8%
Task 1.6 Meetings North and South			\$ 136,617	\$ 122,097	89.4%
Total Phase 2 Design	\$ 735,000	\$ 780,000	\$ 806,513	\$ 788,683	97.8%
Construction Costs					
Phase 2 North Construction					
Preconstruction			\$ 35,000	31,970	91.3%
Burkhardt Construction			\$ 4,015,865	3,137,229	78.1%
Approved Change Orders			\$ -		
FPL Design Cost			\$ 11,759	1,350	11.5%
ATT Design Cost			\$ 5,000	\$ 5,000	100.0%
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, Comcast, AT&T)			\$ 496,307	\$ 496,307	
FPL - Additional Vista Switches				\$ 54,938	
Street Light Conversion			\$ 19,186	\$ 19,186	
Construction Engineering (KH)			\$ 248,121	\$ 181,586	73.2%
Total Phase 2 North Construction	3,800,000	4,000,000	\$ 4,831,238	\$ 3,932,149	0.0%
Phase 2 South Construction	-				
Preconstruction			\$ 35,000	-	
Burkhardt Construction					
Approved Change Orders			\$ -		
FPL Design Cost			\$ 13,330	14,200	106.5%
ATT Design Cost			\$ 5,000	\$ 5,000	
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, Comcast, AT&T)				\$ 123,948	
Street Light Conversion				\$ 19,268	
Construction Engineering (KH)					
Total Phase 2 South Construction	4,435,000	4,730,000	\$ 53,330	\$ 166,998	313.1%
Easement Acquisition	200,000	200,000			
Kimley Horn Easement Assistance					
Task 1.5 Easement Assistance North			\$ 64,936	\$ 64,715	99.7%
Task 1.5 Easement Assistance South			\$ 77,466	\$ 76,456	98.7%
Surveys					
Task 1.7 Legal Sketch North			\$ 14,020	\$ 14,020	100.0%
Task 1.7 Legal Sketch South			\$ 16,725	\$ 16,633	99.5%
Advertising				\$ 1,101	
Jones Foster - Legal			\$ 25,000	\$ 8,920	35.7%
Postage			\$ -	\$ 491	
Temp Services			\$ 5,000	\$ 1,452	29.0%
Recording Costs			\$ 3,605	\$ 2,629	72.9%
Total Easement Acquisition Costs	200,000	200,000	\$ 206,752	\$ 186,416	90.2%
Total Phase 2 Costs	\$9,170,000	\$9,710,000	\$ 5,897,832	\$ 5,074,246	86.0%

Underground Utility Project Budget
Phase 3 Project Costs
September 30, 2019

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 3 Design					
Kimley Horn					
Task 1.1 Phase 3 North Design	\$ 325,000	\$ 350,000	\$ 288,851	\$ 280,189	97.0%
Task 1.2 Phase 3 South Design	\$ 535,000	\$ 580,000	\$ 503,260	\$ 379,332	75.4%
Task 1.3 Permitting Assistance			\$ 13,739		0.0%
Task 1.4 Bid Phase Assistance			\$ 36,834	\$ 18,417	50.0%
Task 1.5 Meetings			\$ 101,652	\$ 37,296	36.7%
Deductive Change Order (Scope Change)			\$ (49,840)		0.0%
Total Phase 3 Design	\$ 860,000	\$ 930,000	\$ 894,496	\$ 715,233	80.0%
Construction Costs					
Phase 3 North Construction	\$ 3,700,000	\$ 3,850,000			
Preconstruction			\$ 24,580	\$ 24,580	
Construction - Burkhardt			\$ 4,042,171	\$ -	
Approved Change Orders					
FPL Design Cost			\$ 12,850		
ATT Design Cost				\$ 5,000	
Comcast Design Cost				\$ 3,128	
Construction Engineering (KH)			\$ 236,976	\$ -	
Daniella Construction - Nightingale/LaPuerta - Townwide portion			\$ 243,470	\$ 243,470	
FPL Nightingale/LaPuerta - Townwide Portion			\$ 74,900	\$ 74,900	
Comcast Nightingale/LaPuerta - Townwide Portion			\$ 8,885	\$ 8,885	
AT&T Nightingale/LaPuerta Townwide Portion			\$ 30,555	\$ 30,555	
Total Phase 3 North Construction	\$ 3,700,000	\$ 3,850,000	\$ 4,674,387	\$ 390,518	0.0%
Phase 3 South Construction	\$ 6,090,000	\$ 6,320,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 11,359		
ATT Design Cost				5,000	
Comcast Design Cost				3,128	
Construction Engineering (KH)					
Total Phase 3 South Construction	\$ 6,090,000	\$ 6,320,000	\$ 11,359	\$ 8,128	0.0%
Easement Acquisition	\$ 260,000	\$ 260,000			
<i>Kimley Horn Easement Assistance</i>					
Task 1 Easement Assistance North and South			\$ 235,953	\$ 218,698	92.7%
<i>Surveys</i>					
Task Legal Sketch South			\$ 37,436		
Jones Foster - Legal			\$ 25,000		
American Acquisition Group					
Temp Services			\$ 5,000		
Recording Costs				\$ 2,385	
Total Easement Acquisition Costs	\$ 260,000	\$ 260,000	\$ 303,389	\$ 221,083	72.9%
Total Phase 3 Costs	\$ 10,910,000	\$ 11,360,000	\$ 5,883,631	\$ 1,334,961	22.7%

Underground Utility Project Budget
Phase 4 Project Costs
September 30, 2019

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 4 Design					
Kimley Horn					
Task 1.1 Phase 4 North Design	\$ 402,000	\$ 435,000	\$ 312,317	209,252	67.0%
Task 1.2 Phase 4 South Design	\$ 413,000	\$ 435,000	\$ 451,284	194,052	43.0%
Task 1.3 Permitting Assistance			\$ 14,468	-	0.0%
Task 1.4 Bid Phase Assistance			\$ 37,899	-	0.0%
Task 1.6 Meetings			\$ 77,911	11,936	15.3%
Total Phase 4 Design	\$ 815,000	\$ 870,000	\$ 893,879	415,241	46.5%
Construction Costs					
Phase 4 North Construction	4,605,000	4,820,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 12,757		
ATT Design Cost				5,000	
Comcast Design Cost				3,128	
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 North Construction	\$ 4,605,000	\$ 4,820,000	\$ 12,757	8,128	0.0%
Phase 4 South Construction	4,710,000	4,980,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 13,160		
ATT Design Cost				5,000	
Comcast Design Cost				3,128	
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 South Construction	\$ 4,710,000	\$ 4,980,000	\$ 13,160	8,128	0.0%
Easement Acquisition	\$ 240,000	\$ 240,000			
<i>Kimley Horn Easement Assistance</i>					
Easement Assistance (KH)			\$ 280,270	103,299	36.9%
Easement Assistance (KH) -- Switches			\$ 62,780		0.0%
<i>Surveys</i>					
Legal Sketch			\$ 38,230	2,000	
Legal Sketch - Switches			\$ 4,967		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs				256	
Total Easement Acquisition Costs	\$ 240,000	\$ 240,000	\$ 386,247	105,555	27.3%
Total Phase 4 Costs	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	537,051	41.1%

Underground Utility Project Budget
Phase 5 Project Costs
September 30, 2019

	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 5					
Kimley Horn					
Task 1.1 Phase 5 North Design	\$ 520,000	\$ 560,000	\$ 454,210	\$ 136,263	30.0%
Task 1.2 Phase 5 South Design	\$ 600,000	\$ 640,000	\$ 606,951	\$ 182,085	30.0%
Task 1.3 Permitting Assistance North					0.0%
Task 1.3 Permitting Assistance South			\$ 17,100		0.0%
Task 1.4 Bid Phase Assistance North			\$ 37,899		0.0%
Task 1.4 Bid Phase Assistance South					0.0%
Task 1.6 Meetings North			\$ 77,911	\$ 5,146	6.6%
Task 1.6 Meetings South					0.0%
Total Phase 5 Design	\$ 1,120,000	\$ 1,200,000	\$ 1,194,071	\$ 323,494	27.1%
Construction Costs					
Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
FPL Design Costs				16,223	
Construction Engineering (KH)					
Total Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000	\$ -	\$ 16,223	0.0%
Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
FPL Design Costs				19,283	
Construction Engineering (KH)					
Total Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000	\$ -	\$ 19,283	0.0%
Easement Acquisition	\$ 330,000	\$ 330,000			
<i>Kimley Horn Easement Assistance</i>					
<i>Easement Assistance</i>			\$ 218,600	\$ 1,753	
Easement Assistance			\$ 75,696	\$ 250	0.3%
<i>Surveys</i>					
Legal Sketch			\$ 41,080		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs				\$ 111	
Total Easement Acquisition Costs	\$ 330,000	\$ 330,000	\$ 335,376	\$ 2,114	0.6%
Total Phase 5 Costs	\$14,090,000	\$14,850,000	\$ 1,529,447	\$ 361,115	23.6%

Underground Utility Project Budget
Phase 6 Project Costs
September 30, 2019

	OPC	Updated OPC	Budget	Actual	% Expended
Phase 6 Design					
Kimley Horn					
Task 1.1 Phase 6 North Design	\$ 420,000	\$ 455,000	\$ 475,019		0.0%
Task 1.2 Phase 6 South Design	\$ 940,000	\$ 985,000	\$ 826,551		0.0%
Task 1.3 Permitting Assistance North					0.0%
Task 1.3 Permitting Assistance South			\$ 17,694		0.0%
Task 1.4 Bid Phase Assistance North			\$ 35,938		0.0%
Task 1.4 Bid Phase Assistance South					0.0%
Task 1.6 Meetings North			\$ 84,791		0.0%
Task 1.6 Meetings South					0.0%
Total Phase 6 Design	\$ 1,360,000	\$ 1,440,000	\$ 1,439,993	\$ -	0.0%
Utility and Construction Costs					
Phase 6 North Construction	\$ 4,790,000	\$ 5,030,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost					
ATT Design Cost					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 6 North Construction	\$ 4,790,000	\$ 5,030,000	\$ -	\$ -	0.0%
Phase 6 South Construction	\$ 10,270,000	\$ 10,820,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost					
ATT Design Cost					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 6 South Construction	\$ 10,270,000	\$ 10,820,000	\$ -	\$ -	0.0%
Easement Acquisition	\$ 400,000	\$ 400,000			
<i>Kimley Horn Easement Assistance</i>					
Easement Assistance			\$ 351,594		
<i>Surveys</i>					
Legal Sketch			\$ 58,415		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs					
Total Easement Acquisition Costs	\$ 400,000	\$ 400,000	\$ 410,009	\$ -	0.0%
Total Phase 6 Costs	\$ 16,820,000	\$ 17,690,000	\$ 1,850,002	\$ -	0.0%

Underground Utility Project Budget
Other Project Costs
September 30, 2019

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	\$ 45,053	100.0%
Task 1.7 - Meetings Master Planning Phase	\$ 113,135	\$ 113,123	100.0%
Task 1.8 - Master Plan Second Half	\$ 40,067	\$ 40,067	100.0%
Subtotal Master Planning	\$ 597,895	\$ 597,883	100.0%
Comcast Preplanning - Master Plan		\$ 12,015	
Community Outreach	\$ 282,519	\$ 203,466	72.0%
Peer Review Study - Patterson & Dewar (\$50,000 Offsetting Revenue)	\$ 100,000	\$ 100,000	100.0%
Commercial Paper Issuance Cost		\$ 200,675	
Commercial Paper Fees		\$ 52,252	
Commercial Paper Interest		\$ 243,096	
GO Bond Closing Costs		\$ 483,618	
GO Bond Debt Service	\$ 2,700,000	\$ 2,454,281	
Total Other Project Costs	\$ 3,680,414	\$ 4,347,285	118.1%

Related Costs Outside of the Underground Project Budget

	Budget	Actual	% Expended
Costs paid from (307) Fund CIP			
Underground City of Lake Worth Section			
Project Design	\$ 25,231	\$ 24,430	96.8%
Project Construction	\$ 351,081	\$ 336,687	95.9%
Project Construction Engineering	\$ 11,607	\$ 12,849	110.7%
Utility Cost (FPL, Comcast, AT&T)	\$ 134,333	\$ 127,531	94.9%
Project Meeting Attendance	\$ 3,334	\$ 2,914	87.4%
Total Lake Worth Section	\$ 525,586	\$ 504,411	96.0%
Ibis Way PGD Improvements	\$ 14,583	\$ 14,583	100.0%
General Fund Costs			
Goldmacher v TPB Legal and Other Costs		\$ 183,701	
Kosberg v TPB Legal and Other Costs		\$ 515,093	
PBT Real Estate v TPB		\$ 144,527	
Gardner, Bist Bowden, Bush (Shel Wright)		\$ 24,799	
Project Manager -Pay and benefits	\$ 265,000	\$ 310,416	117.1%
Telecommunications Consultant	\$ 89,000	\$ 83,210	93.5%
Peter Brandt (Contract Negotiations)	\$ 35,000	\$ 23,735	67.8%
Total Related Costs Outside of the Budget	\$ 929,169	\$ 1,804,474	194.2%

U.S. Rate Forecasts

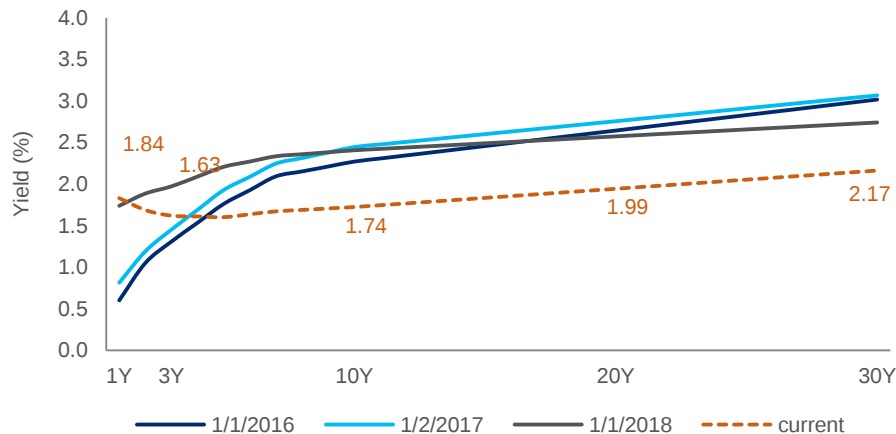
10-Year Treasury Yield Forecast

Citi is forecasting a generally elevated interest rate environment by the end of 2019 into 2020, while the streets' giving lower guidance



US Treasury Yield Curve

The 2s5s curve remains inverted as treasuries flattened following the Fed's cut in rates



Rate Forecasts

5-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	1.61%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
Economists' Consensus		1.56%	1.55%	1.55%	1.60%	1.70%	1.80%

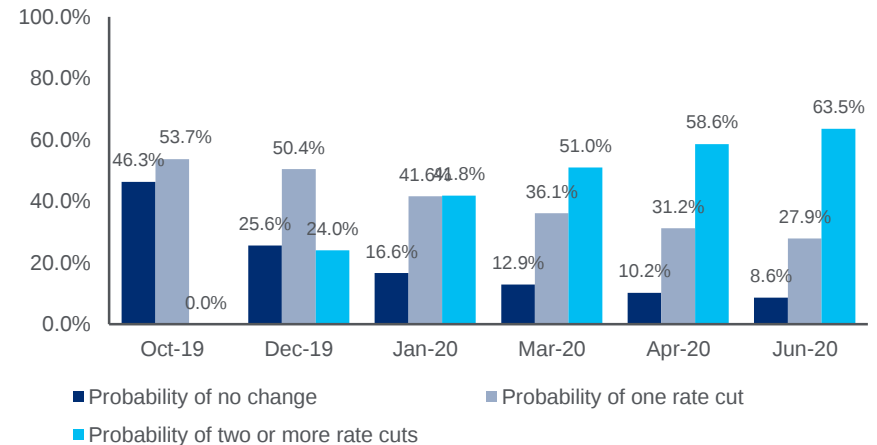
10-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	1.74%	2.15%	2.15%	2.15%	2.15%	2.15%	2.15%
Economists' Consensus		1.69%	1.70%	1.77%	1.85%	1.90%	2.00%

30-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	2.17%	2.55%	2.55%	2.55%	2.55%	2.55%	2.55%
Economists' Consensus		2.19%	2.15%	2.23%	2.25%	2.30%	2.33%

Fed Funds	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Economists' Consensus		2.00%	1.75%	1.75%	1.75%	1.75%	1.75%

Expectations of Fed Change in Interest Rates (Market View)

As anticipated, the Fed cut rates by 25 bps at last week's FOMC meeting while casting doubt on the need for future easing



Source: Current rates and expectation of Fed hike as of September 20, 2019; Citi forecasts as of August 28, 2019, Bloomberg forecasts as of September 22, 2019.