

TOWN OF PALM BEACH

Information for Town Council Meeting on: August 14, 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: August 1, 2019

I. Communications

Community Meetings:

- South Phases: Cup of Joe with Bo & Town Staff
Friday August 2nd at the South Fire Station
- North Phases: Coffee with the Crew & Town Staff
Monday August 5th at Palmo Way Park

Significant Correspondence:

- Phase 3 North - Right of Way Notification letters sent last week of July.

II. Progress Summary:

Construction progress:

Phase 1 North Construction:

- 100% Complete
- Vacating Rear Yard Easements. Presentation is on the August Town Council agenda for consideration and approval.

Phase 1 South Construction:

- FPL condominium conversions are progressing with ~27 of 60 or 45% complete as of July 31, 2019.
- Ibis Isle FPL conversions scheduled to begin no later than August 5.
- ATT conversions are complete.
- Comcast conversions are in progress.
- Final pole removal and landscape expected to begin in September.

Phase 2 North Construction:

- All drilling and conduits are complete.
- Transformer placements complete.
- Vista switch cabinets will be installed in August.
- FPL wire pull activities will continue through the month of August.
- Comcast installation in progress.
- ATT has not started installation activities, Staff escalating.

Phase 2 South Construction:

Negotiations for the Phase 2 South GMP, Town-wide Overhead Undergrounding between the Town and Kaufman Lynn failed to produce a GMP agreement. The GMP presented was significantly over the Engineer's Opinion of Probable Cost and sequencing of work was not supportive of the project scope as discussed by the Town and Kimley-Horn at the onset of the project.

Town will proceed by engaging the runner up CMAR, Burkhardt Construction, Inc, to produce an alternative GMP.

Phase 3 North Construction:

- Staff's recommendation and GMP are on the August Town Council agenda for consideration and approval.

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: 86% of easements approved

Five (5) easements outstanding, progressing to conclusion.

Phase 3:

- Phase 3 North Design is 94% complete
- Phase 3 South Design is 71% complete

Easement Status:

- Phase 3 North: 68% of easements approved
Eight (8) easements outstanding, progressing to conclusion.

In addition to the eight easements remaining, four (4) Chicanes are planned in Phase 3 North. Staff continues to work with the applicable property owners seeking private property alternatives.

1. Merrain Road
2. Kenlyn Road
3. La Puerta Way
4. Mockingbird Trail

- Phase 3 South: 63% of easements approved
Thirty-three (33) easements outstanding with minimal alternatives available. Most easements are located on S. County Road or near the Worth Ave alley way.

Phase 4:

- Phase 4 North Design is 49% complete
- Phase 4 South Design is 36% complete

Easement Status:

- Phase 4 North: 0% of easements approved
- Phase 4 South: 1% of easements approved



Underground Utility Project Monthly Progress Report August 2019

Table of Contents

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

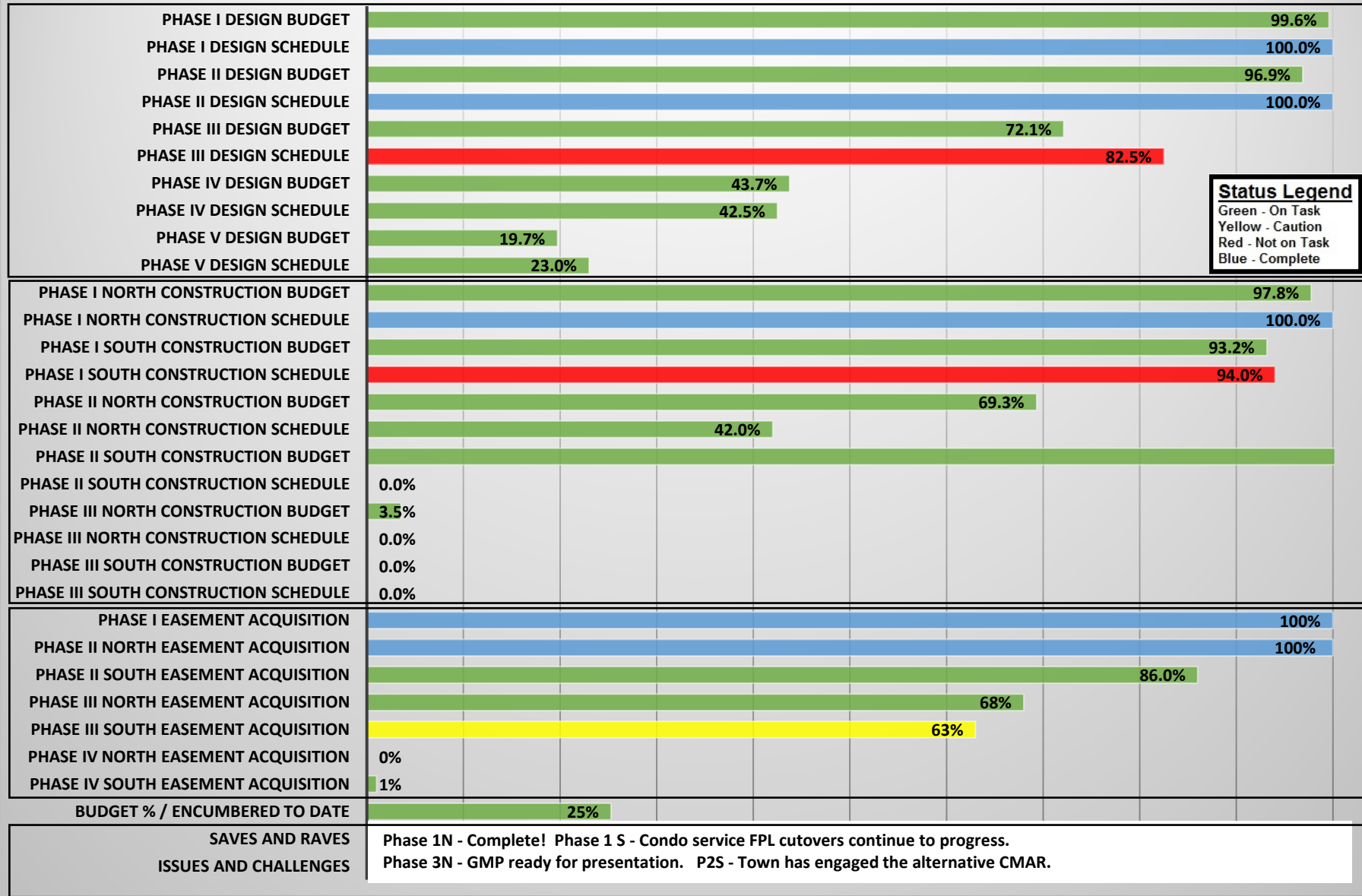
1. Kimley-Horn - Design Progress Reports - Phase 2 - 5
2. Kimley-Horn - Design Phase 2 - 5 Gantt Charts
3. Burkhardt - Executive Summary & Schedule – Phase 1N & 2N
4. Whiting Turner - Executive Summary & Schedule – Phase 1S
5. Project Financial Report
6. Interest Rate Forecast

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 - Aug '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



Town-Wide Undergrounding - Phase 2 Design

KHA Project #044063202

July 2019 Progress Report

Period: June 25, 2018 to July 18, 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 98% of total task budget
 - Phase 2 South Design at 98% of total task budget
- Easement Status
 - Phase 2 North: 100% of easements approved
 - Phase 2 South: 86% 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.
- Coordination with the CMAR to answer RFIs for the Phase 2 South bidding process
- Phase 2 South GMP review
- GMP Negotiation Meeting with CMAR for Phase 2 South
- Attendance at Progress Meeting with Town and Utility Owners
- Attendance at Subconsultant Coordination Meetings

II. Upcoming Activities (June 25, 2018 – July 24, 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.
- Finalize GMP negotiation with CMAR for Phase 2 South.



Town-Wide Undergrounding - Phase 3 Undergrounding
KHA Project #044063215
July 2019 Progress Report
Period: June 26, 2019 to July 18, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 3 North Design is 94% complete *
 - Phase 3 South Design is 71% complete *
 - Budget: Project is on budget as of July 15, 2019
 - Phase 3 North Design is at 81% of total task budget
 - Phase 3 South Design at 70% of total task budget
 - Easement Status
 - Phase 3 North: 68% of easements approved
 - Phase 3 South: 63% of easements approved
- * Phase 3 is currently behind schedule. Due to hurricane impacts drawing resources to the panhandle, Comcast was unable to meet the schedule for their design.

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 Attend Design coordination meetings with FPL and Comcast
- o Review and Respond to RFIs from BCI during GMP development for Phase 3 North.
- o Continued Coordination with Comcast related to advancing the Golfview Alley design.
- o Progress Meeting Attendance.
- 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.
- o Attendance at GMP negotiation meeting with Town and Kaufman Lynn

II. Upcoming Activities (July 19, 2019 – August 19, 2019)

A. Detailed Design Phase

- o Submittal of easement exhibits based on new equipment locations received from FPL – Phase 3 North and 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 design
- o Review and negotiation of the Phase 3 North GMP
- o Submittal of the Golfview Alley communications design to CMAR for pricing.
- o Progress Meeting Attendance



Town-Wide Undergrounding - Phase 4 Undergrounding

KHA Project #044063219

July 2019 Progress Report

Period: June 26, 2018 to July 18, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 4 North Design is 49% complete
 - Phase 4 South Design is 36% complete
- Budget: Project is on budget as of July 15, 2019
 - Phase 4 North Design is at 46% of total task budget
 - Phase 4 South Design at 32% of total task budget
- Easement Status
 - Phase 4 North: 0% of easements approved
 - Phase 4 South: 1% of easements approved.

B. Detailed Design Phase

- o Subconsultant coordination related to Phase 4 Undergrounding
- o Continued coordination with utility owners to receive design information.
- o Development of soft dig exhibit for field utility investigation.
- o Continued development of Equipment Location and Conduit Plans for Phases 4 North and South.
- o Development and delivery of easement exhibits and easement matrix to the Town for Phases 4 North and South.
- o Development of Technical Specifications for Phase 4 North
- o Progress Meeting Attendance
- o Attendance at Design Meeting with Comcast
- o For site visits and meetings with property owners to discuss easement requests

II. Upcoming Activities (July 19, 2019 – August 19, 2019)

A. Detailed Design Phase

- o Continued coordination with utility owners to refine the design.
- o Receive and review AT&T and Comcast designs for Phase 4 North and South.
- o Continued development and submittal of easement exhibits 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

July 2019 Progress Report

Period: June 26, 2019 to July 25, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below
 - Phase 5 North Design is 23% complete
 - Phase 5 South Design is 23% complete
- Budget: Project is on budget as of July 15, 2019
 - Phase 5 North Design is at 17% of total task budget
 - Phase 5 South Design is at 18% of total task budget
- Easement Status
 - Phase 5: N/A, will provide status when this work begins

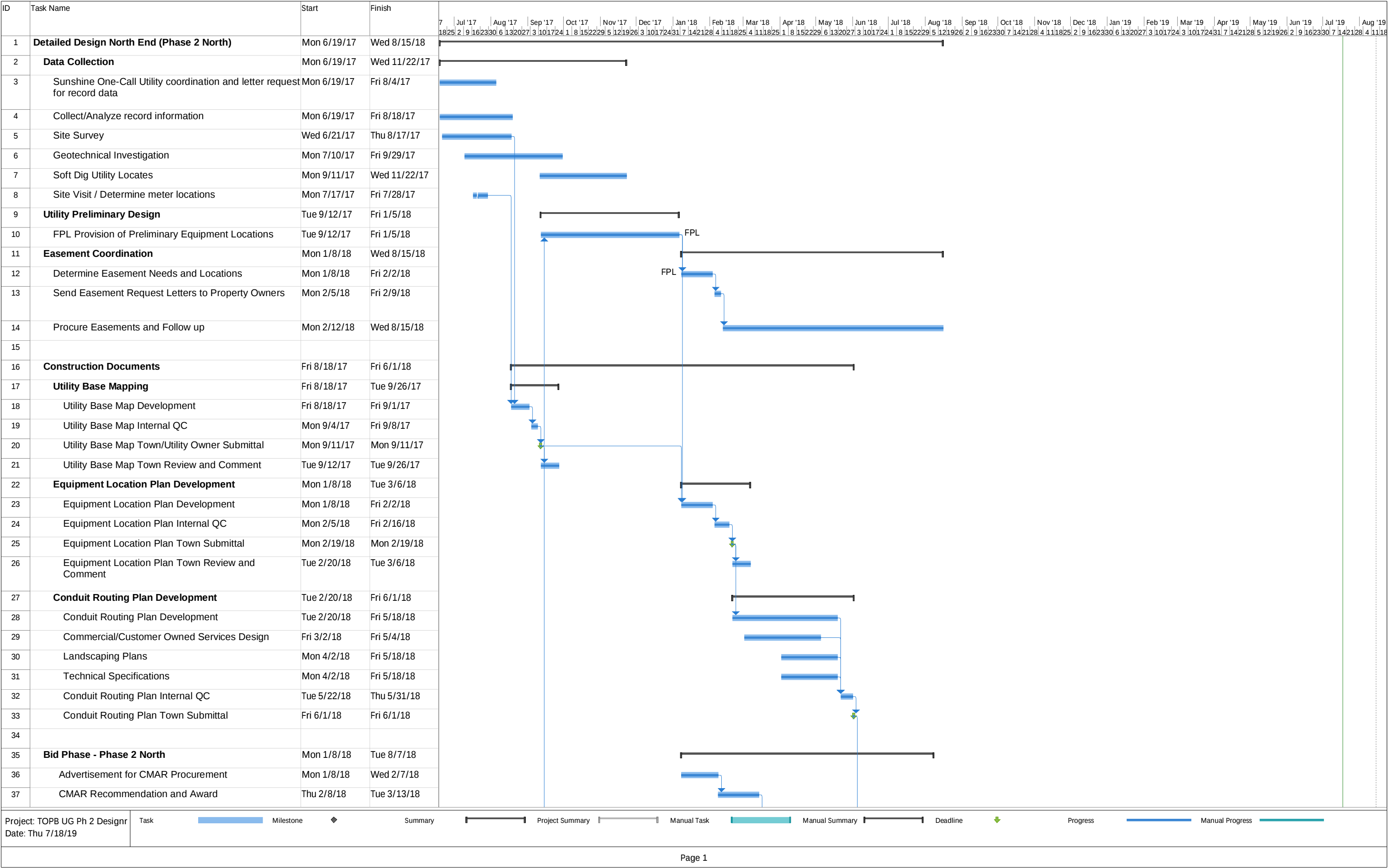
B. Detailed Design Phase

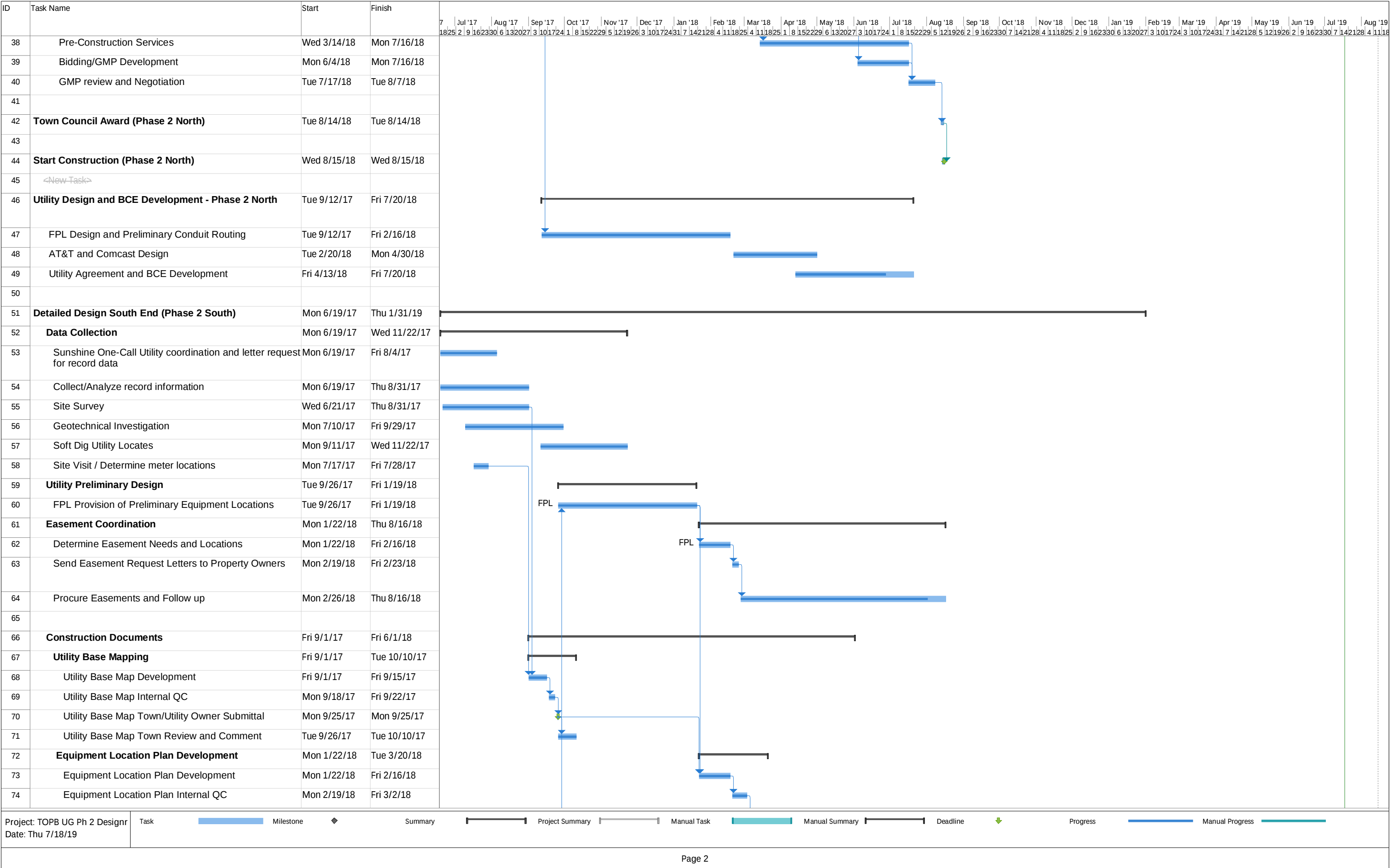
- o Submitted utility base maps to FPL
- o Coordinated with utility companies, sub-consultants, and Town
- o Led coordination meetings with sub-consultants

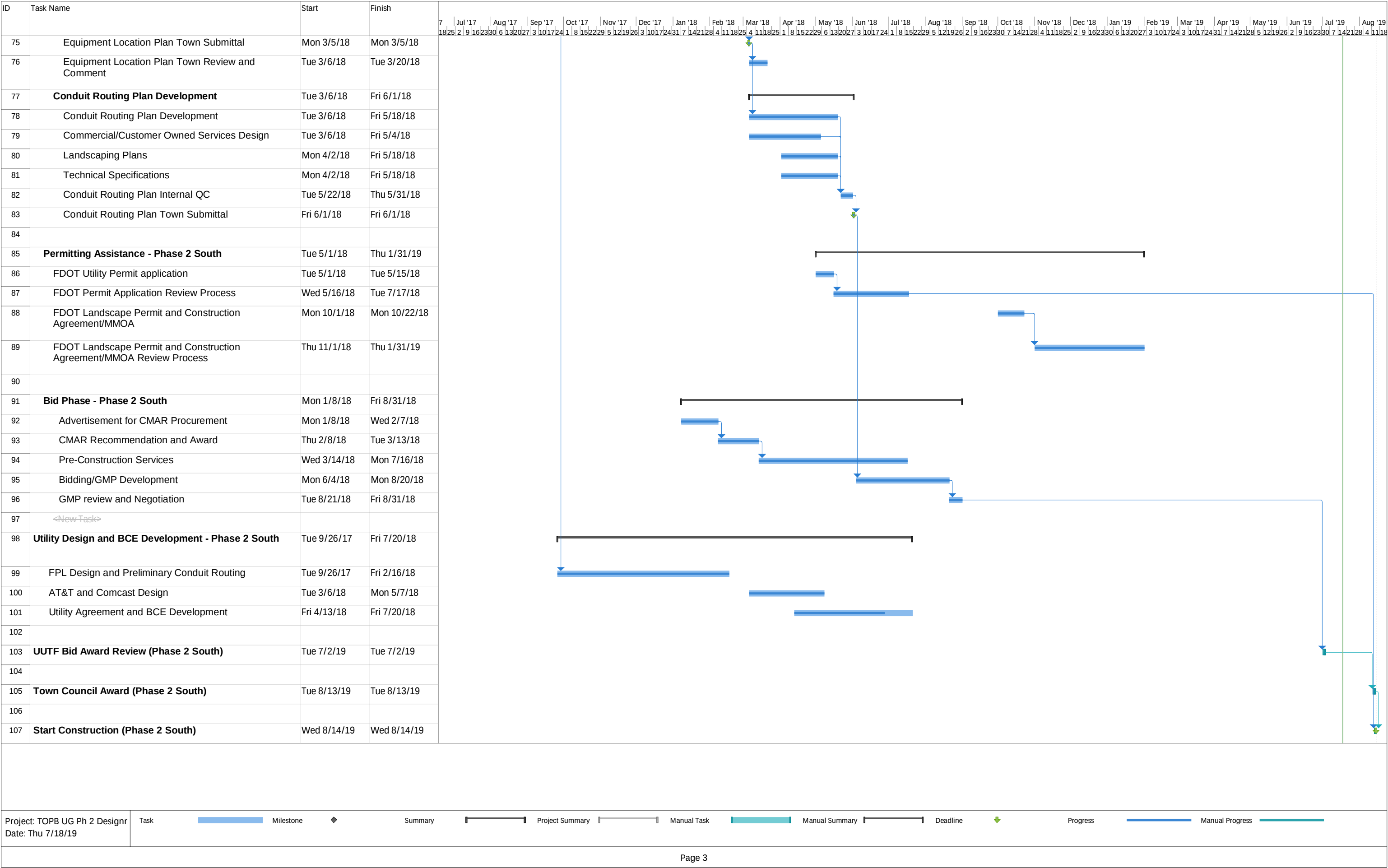
II. Upcoming Activities (July 26, 2019 – August 25, 2019)

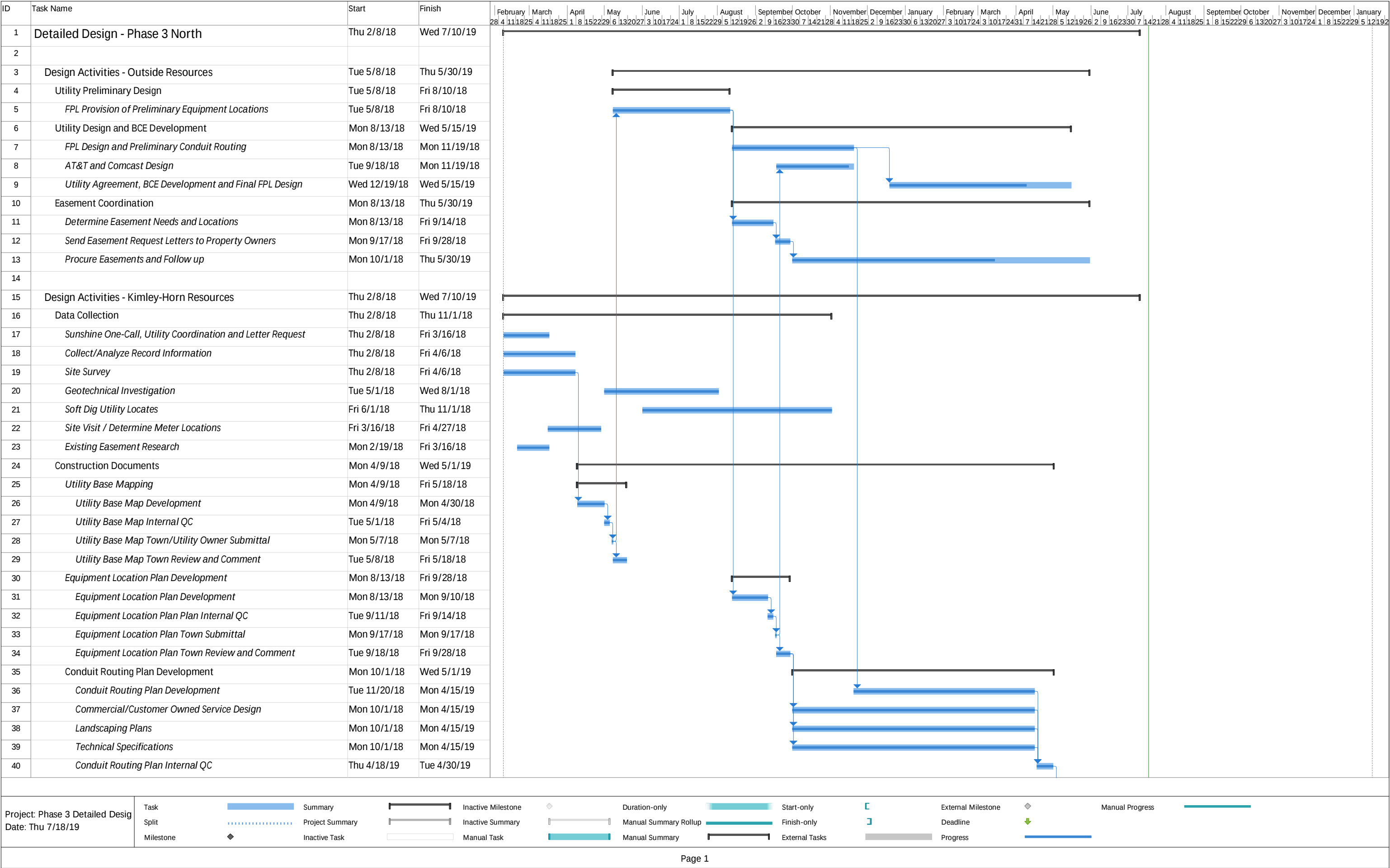
A. Detailed Design Phase

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



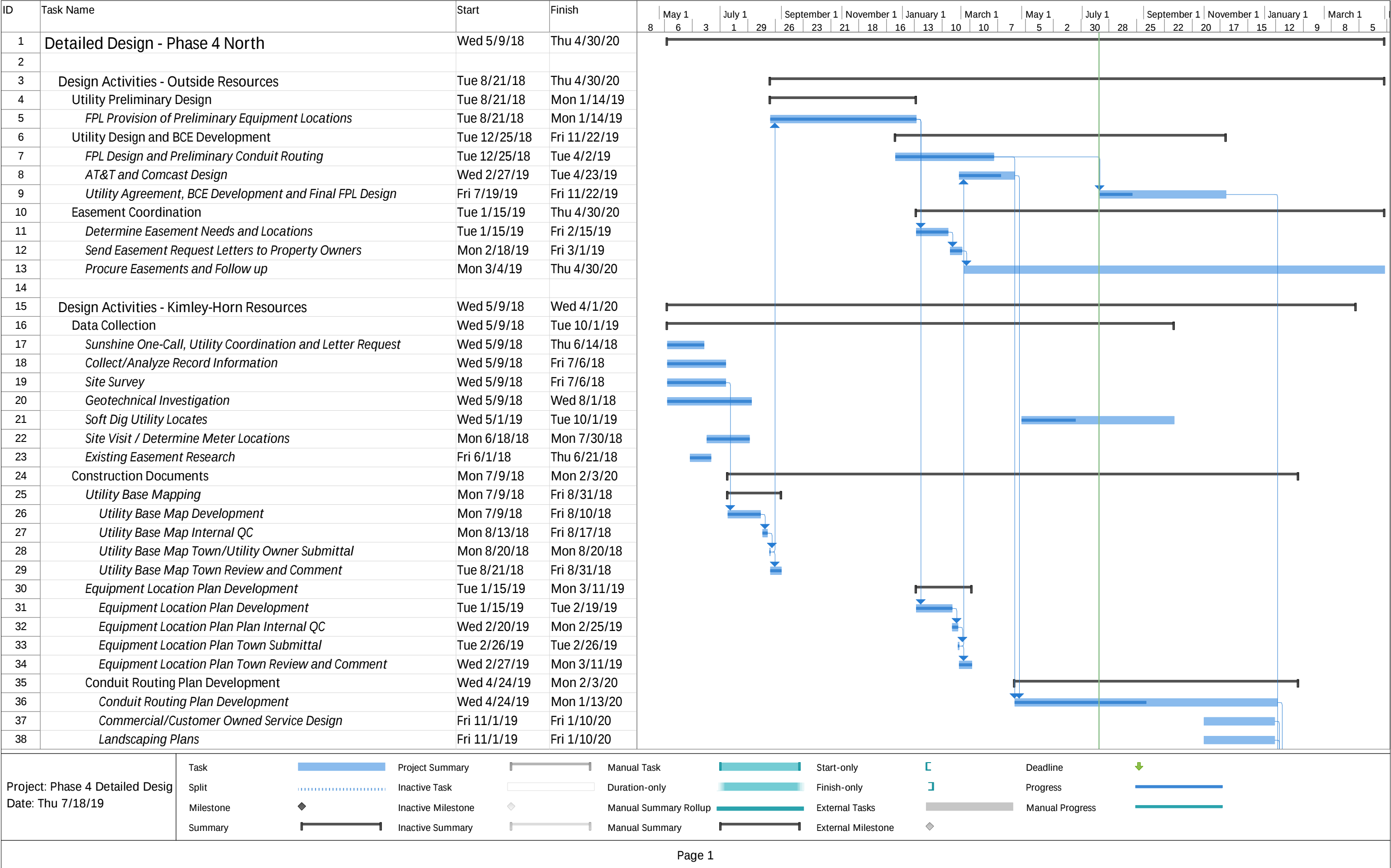


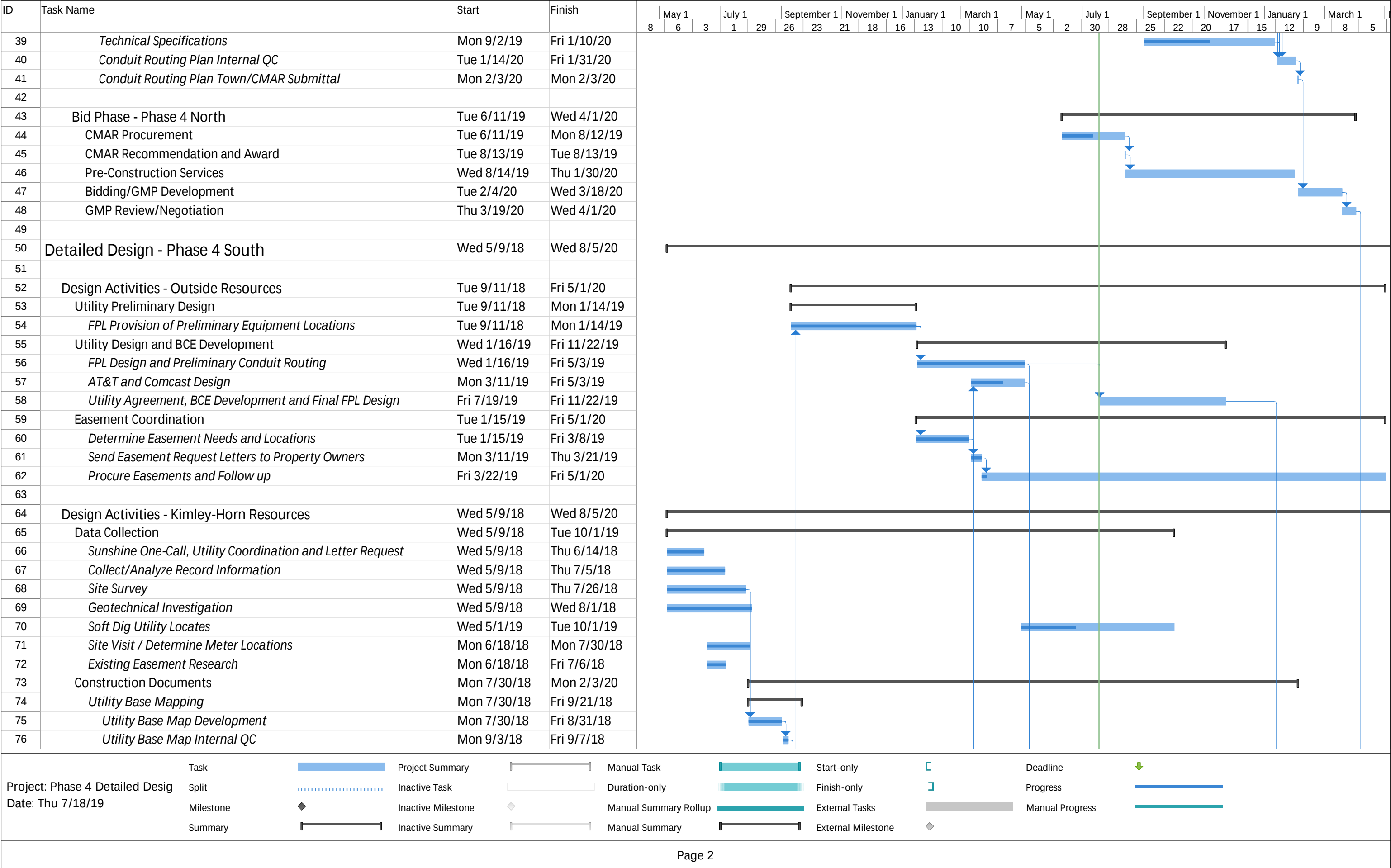


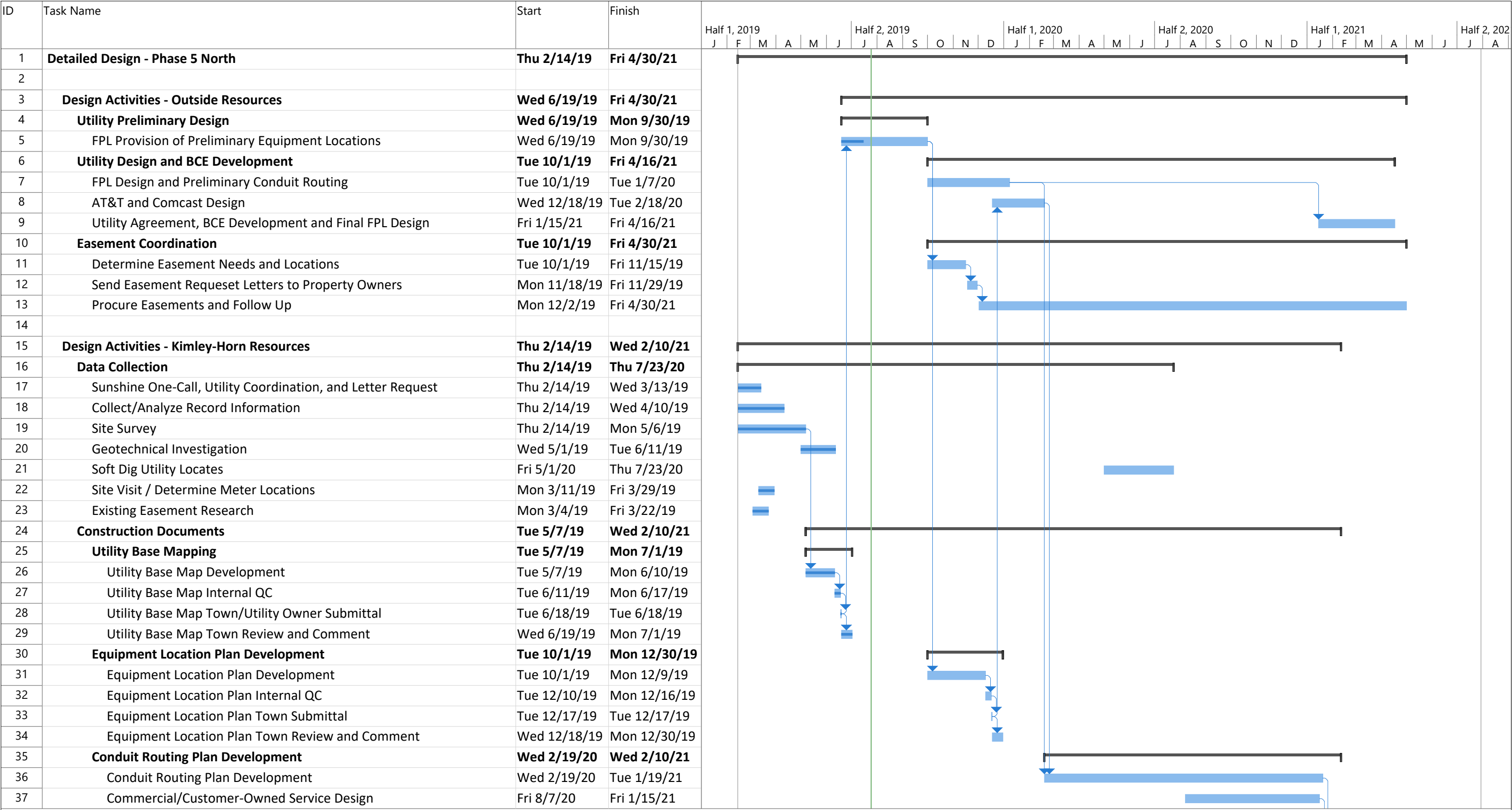


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ID	Task Name	Start	Finish																																																
41	Conduit Routing Plan Town/CMAR Submittal	Wed 5/1/19	Wed 5/1/19																																																
42																																																			
43	Bid 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 Desig Date: Thu 7/18/19		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																																																			







Project: 2019_0226_Schedule
Date: Thu 7/25/19

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

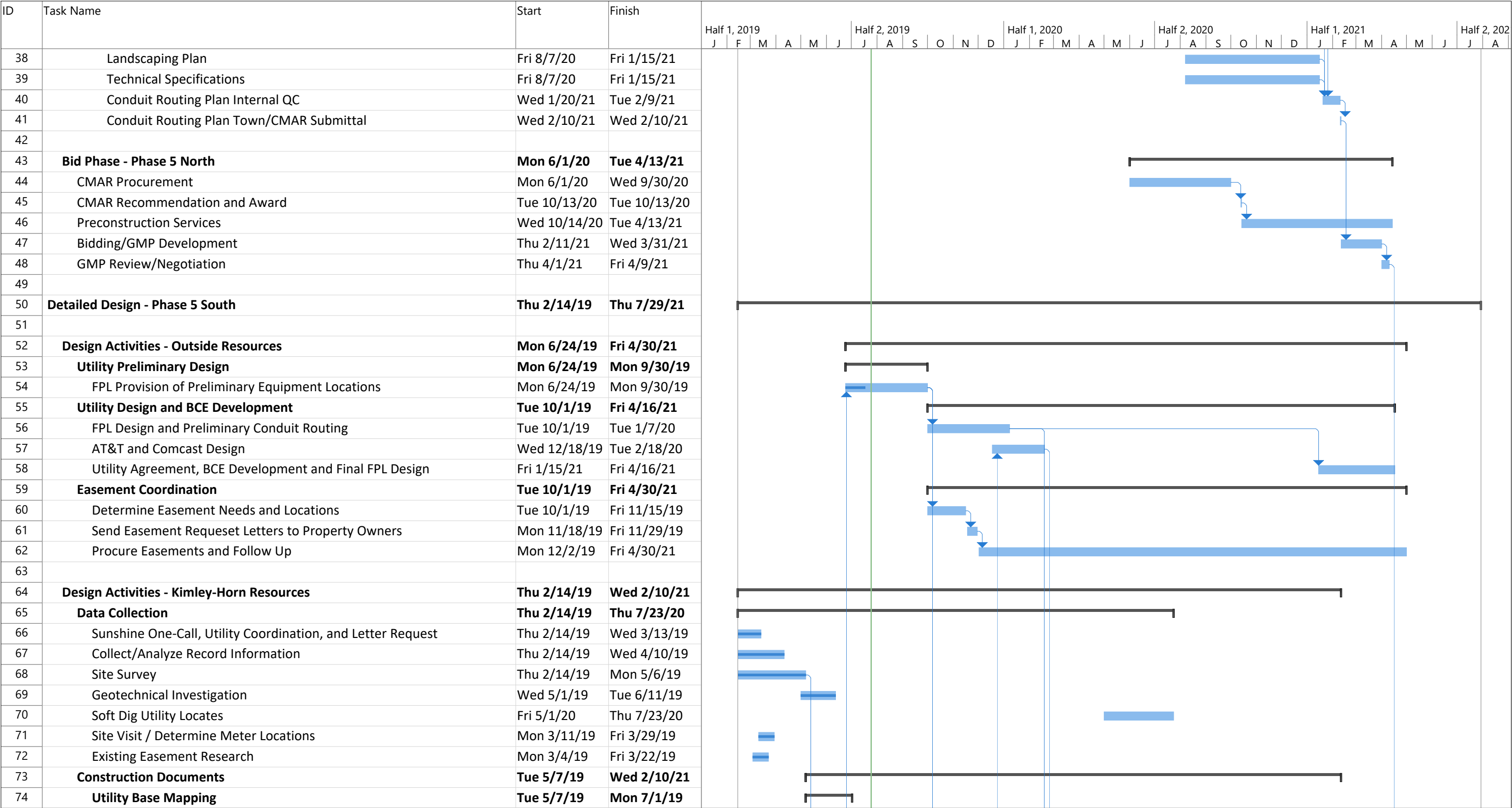
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: 2019_0226_Schedule
Date: Thu 7/25/19

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

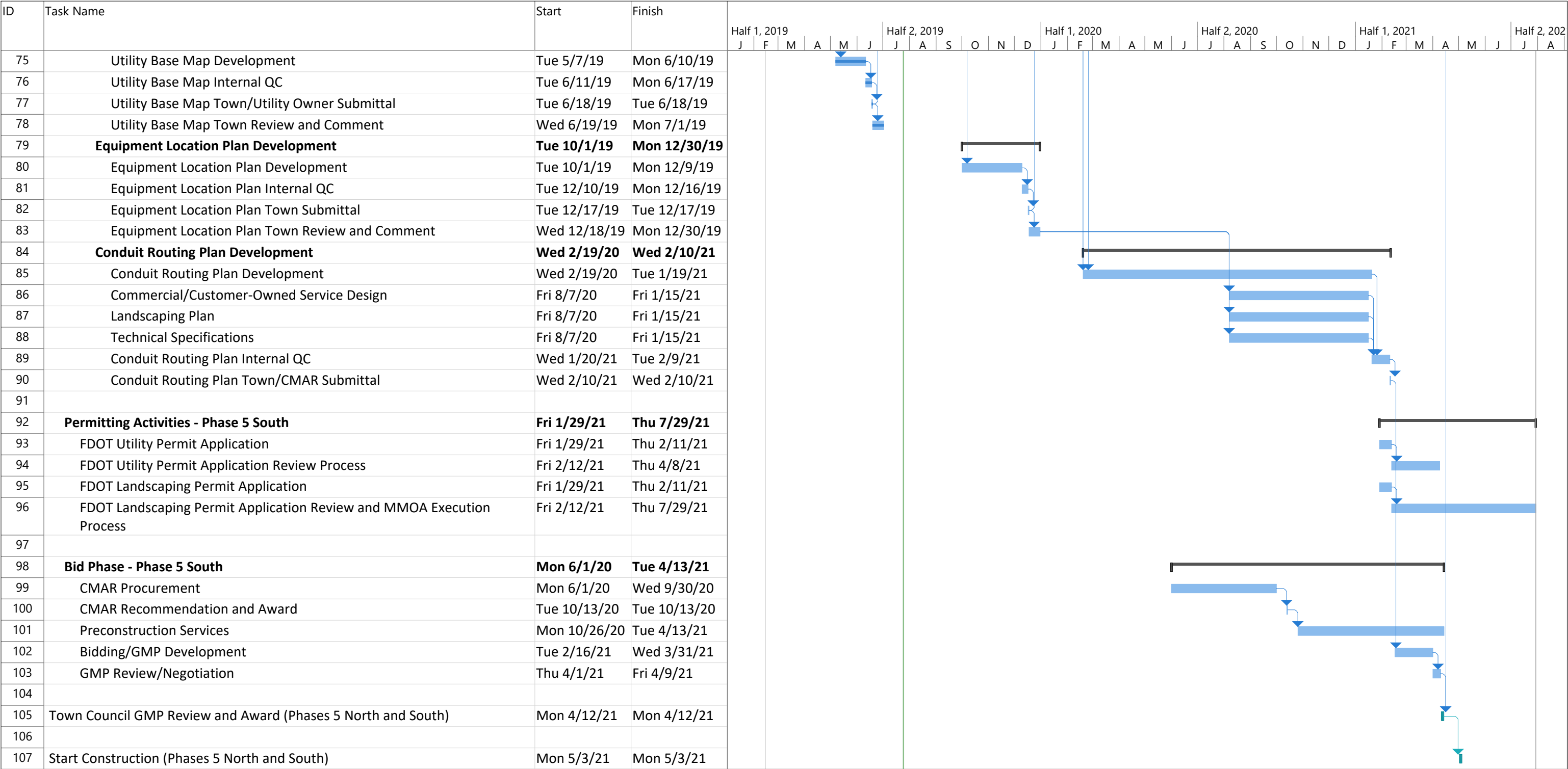
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Deadline

Progress

Manual Progress



Project: 2019_0226_Schedule
Date: Thu 7/25/19

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

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

ID	Task Name	% Complete	Duration	Start	Finish	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2019	Jan	Feb	Mar	Apr	May	Jun	Jul
1	Phase I - NORTH	100%	548 days	Mon 6/12/17	Wed 7/17/19																													
2	Fully Executed Non-GAF Agreement	100%	23 days	Mon 6/12/17	Wed 7/12/17																													
3	Copy Of Executed Easements	100%	23 days	Mon 6/12/17	Wed 7/12/17																													
4	Fully Executed Applicant Installed Agreement With FPL	100%	23 days	Mon 6/12/17	Wed 7/12/17																													
5	Fully Executed R/O/W Agreement With FPL	100%	23 days	Mon 6/12/17	Wed 7/12/17																													
6	Fully Executed Agreement With COMCAST / AT & T	100%	23 days	Mon 6/12/17	Wed 7/12/17																													
7	Town Council Approval	100%	1 day	Tue 6/13/17	Tue 6/13/17																													
8	Award Prime Contract	100%	13 days	Wed 6/14/17	Fri 6/30/17																													
9	Permitting	100%	15 days	Mon 6/26/17	Fri 7/14/17																													
10	Customer Owned Service Connection Permitting	100%	15 days	Mon 6/26/17	Fri 7/14/17																													
11	Sub Contract Agreements	100%	23 days	Wed 6/14/17	Fri 7/14/17																													
12	Material Procurement	100%	11 days	Fri 6/30/17	Fri 7/14/17																													
13	Underground Conduit Installation, Primary/Secondary (FPL, ATT, Comcast)	100%	225 days	Mon 7/17/17	Fri 5/25/18																													
14	Feeder Splice Box Installation	100%	15 days	Thu 10/12/17	Wed 11/1/17																													
15	Set Transformers / Switch Cabinets (FPL)	100%	75 days	Sun 2/4/18	Thu 5/17/18																													
16	Secondary Services / Wire	100%	138 days	Tue 2/20/18	Thu 8/30/18																													
17	As-Built Submission / Review (FPL)	100%	47 days	Tue 2/20/18	Wed 4/25/18																													
18	Pull Wire / Terminations Primary (FPL)	100%	81 days	Tue 2/20/18	Tue 6/12/18																													
19	*ATT Rod Conduit, Pull Wire, Set Pedestals	100%	133 days	Tue 2/27/18	Thu 8/30/18																													
20	*Comcast Pull Wire, Set Pedestals	100%	133 days	Tue 2/27/18	Thu 8/30/18																													
21	Cut over / Overhead Removal (ATT/Comcast)	100%	45 days	Mon 9/3/18	Fri 11/2/18																													
22	Energize Underground (FPL)	100%	30 days	Mon 9/17/18	Fri 10/26/18																													
23	Secondary Service Switch Over (FPL)	100%	113 days	Mon 6/11/18	Wed 11/14/18																													
24	** Demo Overhead / Remove Poles (FPL) / Final Restoration	100%	90 days	Mon 9/17/18	Fri 1/18/19																													
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.	100%	1 day	Mon 6/12/17	Mon 6/12/17																													
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.	100%	1 day	Mon 6/12/17	Mon 6/12/17																													
27	Storm Drainage	100%	45 days	Mon 7/17/17	Fri 9/15/17																													
28	Water Main	100%	79 days	Sun 10/15/17	Wed 1/31/18																													

DATED 07/25/19
CURRENT PERCENT COMPLETED 100%

Vincent G. Burkhardt
President



Executive Summary
For
June 2019

Project Description

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

Project Status:

The mainline crew continued south with horizontal drilling along the roads that run east/west between North Lake Way and North Ocean Blvd. The majority of the mainline work took place on Angler, Ocean Terrace, N. Ocean Way, and Osceola Way. The second drilling crew continued drilling the private side services along Dolphin, Seagate, Angler and Ocean Terrace. We are hoping by mid to the end of next month to have all of the directional drilling completed.

Installation of transformer pads, transformers, and AT&T splice boxes continued at various locations within the project limits.

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	42%	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	85%	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	90%	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	75%	235 days	Mon 11/5/18	Fri 9/27/19																							
12	As-Built Submission / Review (FPL)	90%	220 days	Mon 2/11/19	Fri 12/13/19																							
13	Pull Wire / Terminations Primary (FPL)	0%	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	0%	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	0%	30 days	Mon 8/5/19	Fri 9/13/19																							

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. 17 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. Currently waiting on switching orders from FPL to energize Ibis Isle.
- ◆ A-41 electrical/mechanical installations complete. Roof install 90% 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

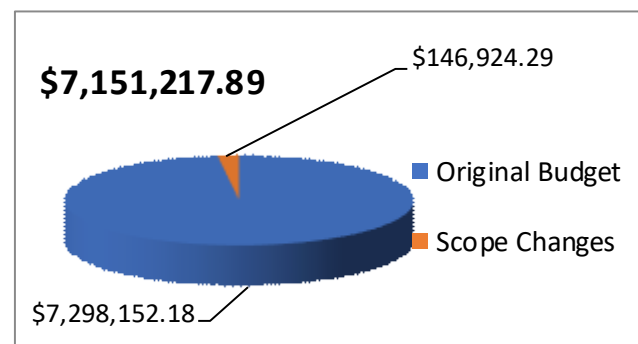
DRAWINGS: Added Scopes of Work

- 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	—	\$146,924.29
Gross Billings to Date (\$)	—	\$6,495,821.28
Gross Billings to Date (%)	—	91.5%
Schedule % Completed	—	94%



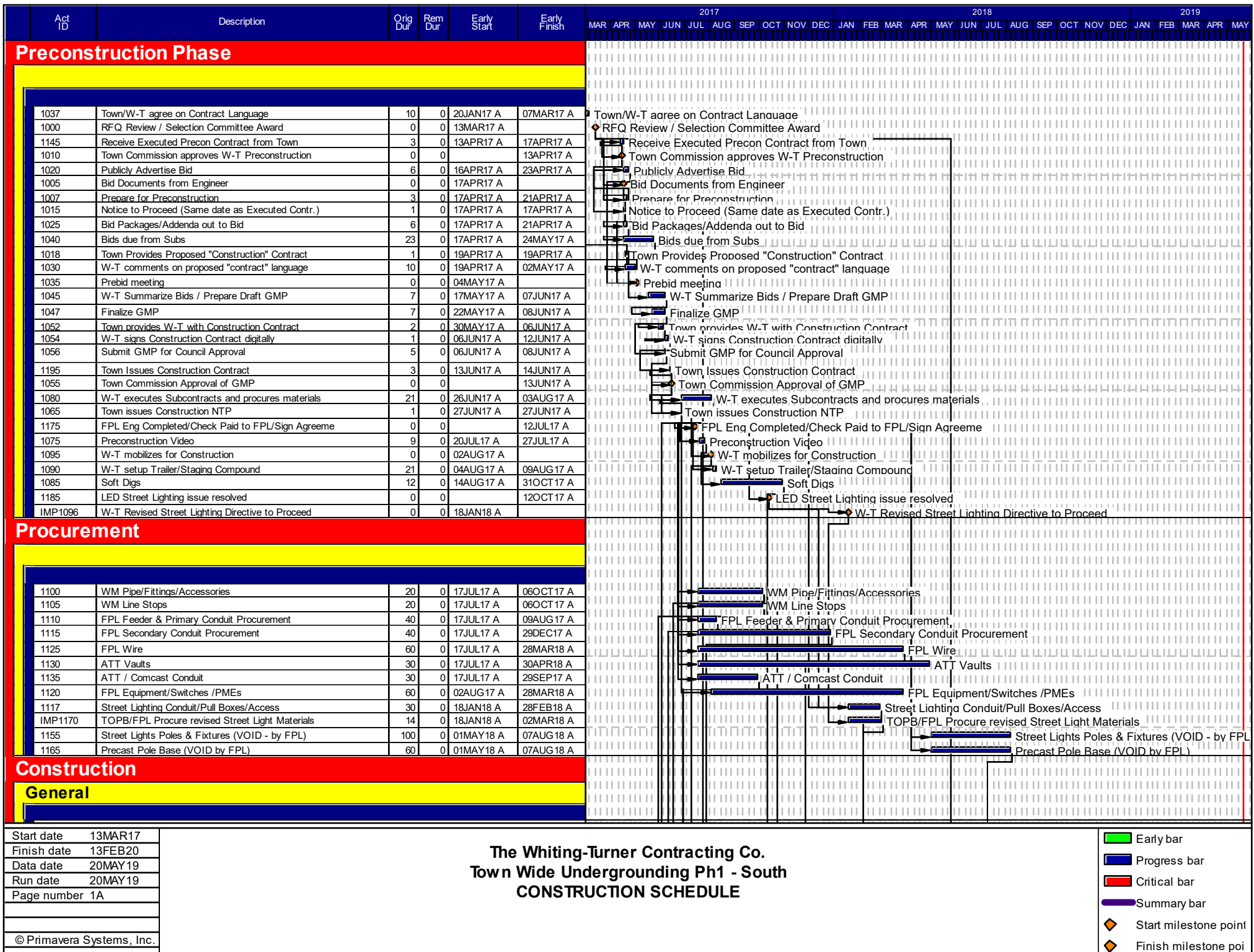
SCHEDULE SUMMARY

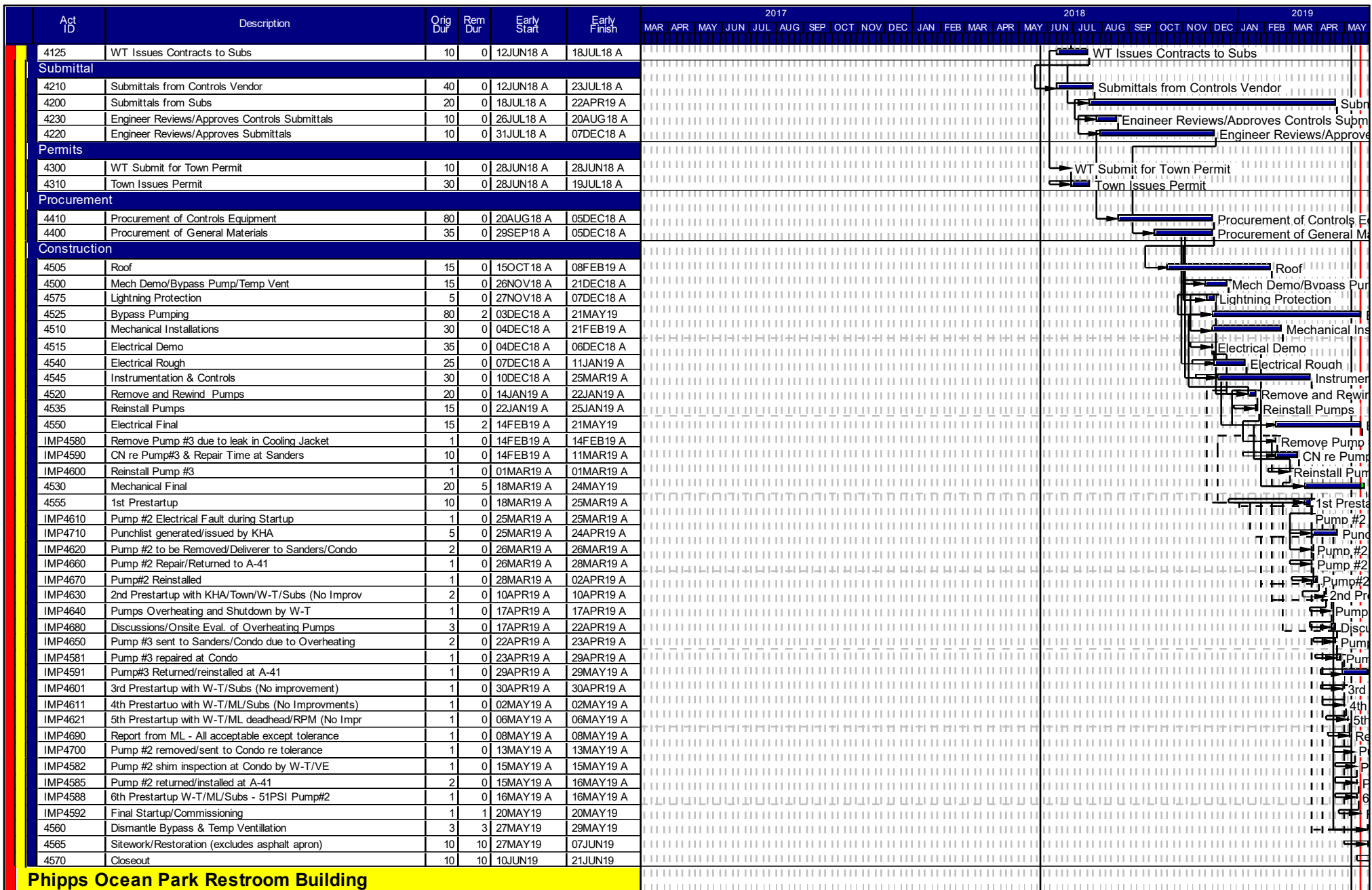
S. Ocean Undergrounding -Sta 11+10 to Sta 243+66					
1570	Converting / Energizing Services	45	44	17MAY19 A	21AUG19
1530	ATT remove Overhead Facilities	10	10	23MAY19	05JUN19
1535	Comcast remove Overhead Facilities	10	10	23MAY19	05JUN19
1537	Restoration due to ATT work	10	10	06JUN19	19JUN19
1540	Restoration 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. 95% completed. Service swaps are still pending from both AT&T and Comcast.
- A-41 Pump Station pump back online. Roof installation substantially complete.
- FPL switching orders slowly being received. Remaining switching orders pending.





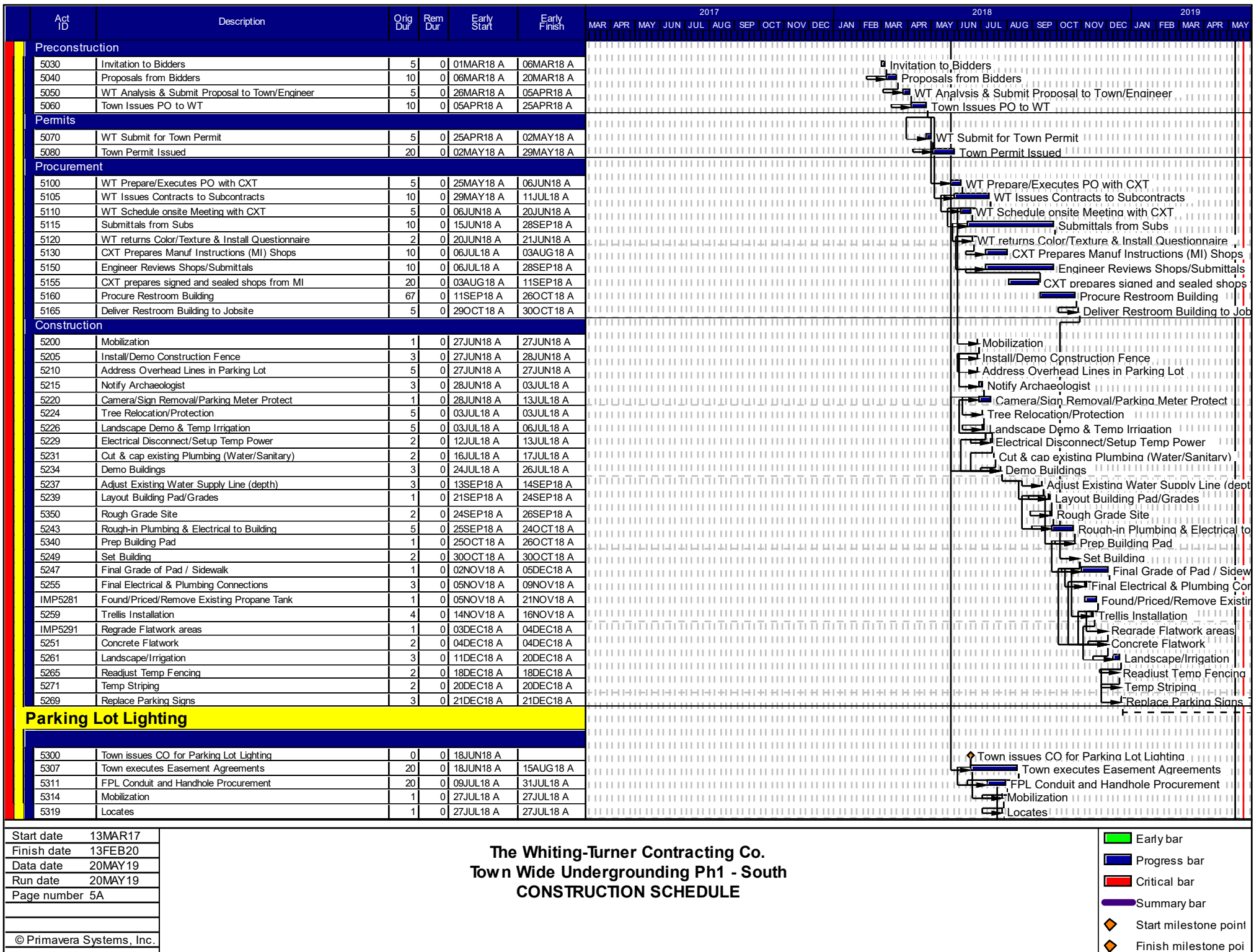
Phipps Ocean Park Restroom Building

Start date 13MAR17
 Finish date 13FEB20
 Data date 20MAY19
 Run date 20MAY19
 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
July 31, 2019

Expenditures	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 1	\$ 12,620,000	\$ 12,900,000	\$ 12,642,040	\$ 12,105,604	95.8%
Phase 2	\$ 9,170,000	\$ 9,710,000	\$ 5,401,525	\$ 4,082,242	75.6%
Phase 3	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 1,197,727	98.0%
Phase 4	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 448,861	34.4%
Phase 5	\$ 14,090,000	\$ 14,850,000	\$ 1,529,447	\$ 271,373	17.7%
Phase 6	\$ 16,820,000	\$ 17,690,000	\$ -	\$ -	
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	\$ 4,345,427	118.1%
Total Project Costs To Date	\$ 98,580,000	\$ 106,210,414	\$ 25,781,563	\$ 22,451,234	87.1%
Total Other Costs Outside Underground Budget			\$ 929,169	\$ 1,756,905	189.1%
Total Underground Project Costs			\$ 26,710,732	\$ 24,208,138	90.6%
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			25.28%		
% Spent to Date - Project Costs			22.01%		

Project Revenues Received

Revenues	Budget	Actual	% of Budget
Revenues			
Prepaid Assessments		\$ 11,591,500	0.0%
Assessment Revenue	\$ 9,380,000	\$ 8,326,498	88.8%
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	\$ 1,223,181	10193.2%
GO Bond Proceeds	\$ 60,500,000	\$ 60,499,897	100.0%
1 Cent Sales Tax	\$ 2,500,000	\$ 1,375,000	55.0%
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	\$ 231,250	
Total Project Revenues	\$ 76,263,741	\$ 87,735,602	115.0%

Underground Utility Project Budget
Phase 1 Project Costs
July 31, 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	28,546	84.0%
Subtotal Design Phase	\$ 1,330,000	\$ 1,400,000	\$ 1,310,829	\$ 1,305,359	99.6%
Construction Costs					
Phase 1 North Construction					
Preconstruction			\$ 19,720	19,720	100.0%
Burkhardt Construction			\$ 3,598,144	3,571,840	99.3%
Street Light Conversion			\$ 26,273	40,934	155.8%
Change Order for AT&T and Comcast Conduit			\$ 371,201	371,201	100.0%
Utility Design Costs			\$ 15,595	15,595	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 476,776	416,138	87.3%
Construction Engineering (KH)			\$ 230,532	196,291	85.1%
	\$ 4,210,000	\$ 4,390,000	\$ 4,738,241	\$ 4,631,719	97.8%
Phase 1 South Construction					
Preconstruction			\$ 22,200	22,200	100.0%
Whiting Turner Construction			\$ 4,450,977	4,122,005	92.6%
Change Order for AT&T and Comcast Conduit			\$ 125,147	125,147	100.0%
Other Approved Change Orders - Additional soil borings at Ibis Isle			\$ 2,200	2,200	100.0%
Utility Design Costs			\$ 33,013	33,013	100.0%
Utility Construction Costs (FPL, Comcast, AT&T)			\$ 1,374,193	1,294,618	94.2%
Construction Engineering (KH)			\$ 283,880	261,881	92.3%
	\$ 6,800,000	\$ 6,830,000	\$ 6,291,610	\$ 5,861,064	93.2%
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	\$ 12,642,040	\$ 12,105,604	95.8%

Underground Utility Project Budget
Phase 2 Project Costs
July 31, 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	\$ 35,048	86.4%
Task 1.6 Meetings North and South			\$ 136,617	\$ 116,888	85.6%
Total Phase 2 Design	\$ 735,000	\$ 780,000	\$ 806,513	\$ 781,267	96.9%
Construction Costs					
Phase 2 North Construction					
Preconstruction			\$ 35,000	31,970	91.3%
Burkhardt Construction			\$ 4,015,865	2,606,503	64.9%
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)				\$ 131,881	
FPL - Additional Vista Switches				\$ 54,938	
Street Light Conversion			\$ 19,186	\$ 19,186	
Construction Engineering (KH)			\$ 248,121	\$ 149,333	60.2%
Total Phase 2 North Construction	3,800,000	4,000,000	\$ 4,334,931	\$ 3,004,743	0.0%
Phase 2 South Construction	-				
Preconstruction			\$ 35,000	-	
Kaufman Lynn 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)				\$ 67,409	
Street Light Conversion				\$ 19,268	
Construction Engineering (KH)	-				
Total Phase 2 South Construction	4,435,000	4,730,000	\$ 53,330	\$ 110,459	207.1%
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	\$ 16,084	96.2%
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	\$ 2,535	70.3%
Total Easement Acquisition Costs	200,000	200,000	\$ 206,752	\$ 185,772	89.9%
Total Phase 2 Costs	\$9,170,000	\$9,710,000	\$ 5,401,525	\$ 4,082,242	75.6%

Underground Utility Project Budget
Phase 3 Project Costs
July 31, 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	\$ 266,179	92.2%
Task 1.2 Phase 3 South Design	\$ 535,000	\$ 580,000	\$ 503,260	\$ 350,152	69.6%
Task 1.3 Permitting Assistance			\$ 13,739		0.0%
Task 1.4 Bid Phase Assistance			\$ 36,834	\$ 3,683	10.0%
Task 1.5 Meetings			\$ 101,652	\$ 25,200	24.8%
Deductive Change Order (Scope Change)			\$ (49,840)		0.0%
Total Phase 3 Design	\$ 860,000	\$ 930,000	\$ 894,496	\$ 645,215	72.1%
Construction Costs					
Phase 3 North Construction	\$ 3,700,000	\$ 3,850,000			
Preconstruction					
Construction					
Approved Change Orders					
FPL Design Cost			\$ 12,850		
ATT Design Cost				5,000	
Comcast Design Cost				3,128	
Construction Engineering (KH)					
Daniella Construction - Nightingale/LaPuerta - Townwide portion				\$ 243,470	
FPL Nightingale/LaPuerta - Townwide Portion				\$ 74,900	
Comcast Nightingale/LaPuerta - Townwide Portion				\$ 8,885	
AT&T Nightingale/LaPuerta Townwide Portion				\$ 30,555	
Total Phase 3 North Construction	\$ 3,700,000	\$ 3,850,000	\$ 12,850	\$ 365,938	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	\$ 177,168	75.1%
<i>Surveys</i>					
Task Legal Sketch South			\$ 37,436		
Jones Foster - Legal			\$ 25,000		
American Acquisition Group					
Temp Services			\$ 5,000		
Recording Costs				\$ 1,279	
Total Easement Acquisition Costs	\$ 260,000	\$ 260,000	\$ 303,389	\$ 178,447	58.8%
Total Phase 3 Costs	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 1,197,727	98.0%

Underground Utility Project Budget
Phase 4 Project Costs
July 31, 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	203,006	65.0%
Task 1.2 Phase 4 South Design	\$ 413,000	\$ 435,000	\$ 451,284	180,514	40.0%
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	7,541	9.7%
Total Phase 4 Design	\$ 815,000	\$ 870,000	\$ 893,879	391,061	43.7%
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	41,495	14.8%
Easement Assistance (KH) -- Switches			\$ 62,780		0.0%
<i>Surveys</i>					
Legal Sketch			\$ 38,230		
Legal Sketch - Switches			\$ 4,967		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs				49	
Total Easement Acquisition Costs	\$ 240,000	\$ 240,000	\$ 386,247	41,545	10.8%
Total Phase 4 Costs	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	448,861	34.4%

Underground Utility Project Budget
Phase 5 Project Costs
July 31, 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	\$ 99,926	22.0%
Task 1.2 Phase 5 South Design	\$ 600,000	\$ 640,000	\$ 606,951	\$ 133,529	22.0%
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	\$ 2,084	2.7%
Task 1.6 Meetings South					0.0%
Total Phase 5 Design	\$ 1,120,000	\$ 1,200,000	\$ 1,194,071	\$ 235,540	19.7%
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	\$ 1,356	
Easement Assistance			\$ 75,696	\$ 250	0.3%
<i>Surveys</i>					
Legal Sketch			\$ 41,080		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs				\$ 77	
Total Easement Acquisition Costs	\$ 330,000	\$ 330,000	\$ 335,376	\$ 327	0.1%
Total Phase 5 Costs	\$14,090,000	\$14,850,000	\$ 1,529,447	\$ 271,373	17.7%

Underground Utility Project Budget
Other Project Costs
July 31, 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	\$ 201,608	71.4%
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	\$ 4,345,427	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	\$ 12,800	110.3%
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	\$ 504,361	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		\$ 497,211	
PBT Real Estate v TPB		\$ 143,611	
Gardner, Bist Bowden, Bush (Shel Wright)		\$ 24,799	
Project Manager -Pay and benefits	\$ 265,000	\$ 281,694	106.3%
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	\$ 1,756,905	189.1%

U.S. Rate Forecasts

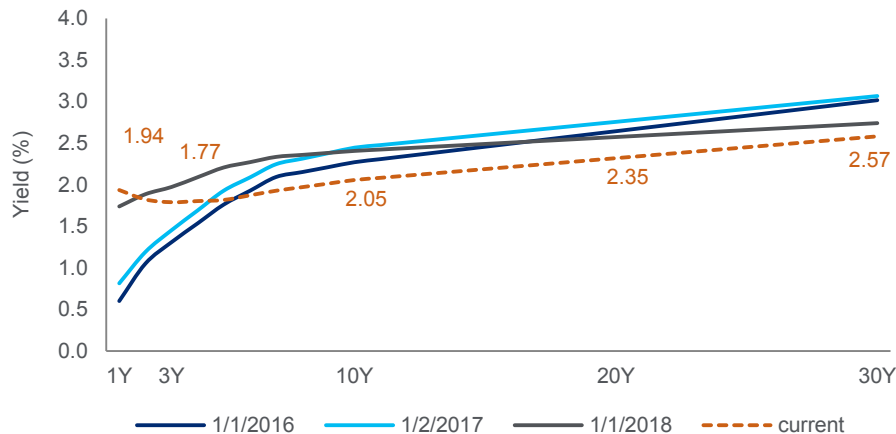
10-Year Treasury Yield Forecast

Citi and the street are forecasting a muted interest rate environment for the remainder of 2019 and 2020



US Treasury Yield Curve

The US treasury curve steepened over the past week as front end rates increased as investors priced in one versus two rate cuts at the Fed's July



Rate Forecasts

5-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%
Economists' Consensus	1.80%	1.90%	1.92%	1.95%	2.00%	2.00%	2.02%

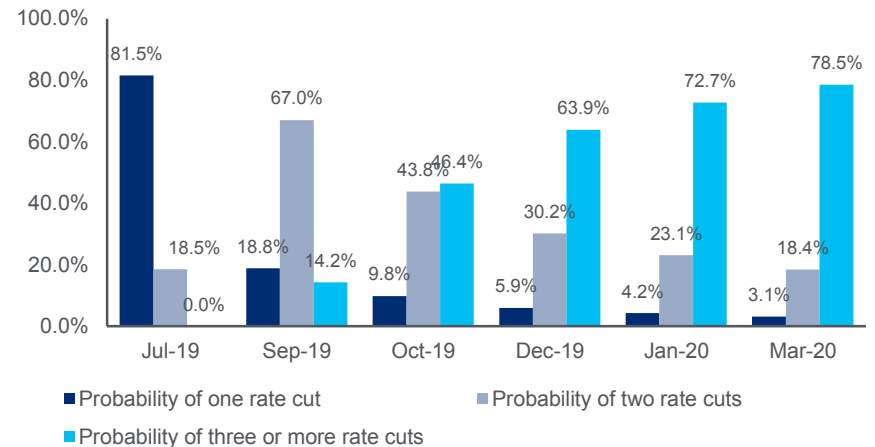
10-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	2.05%	2.15%	2.15%	2.15%	2.15%	2.15%	2.15%
Economists' Consensus	2.05%	2.10%	2.15%	2.20%	2.20%	2.25%	2.25%

30-Year Treasury	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	2.57%	2.55%	2.55%	2.55%	2.55%	2.55%	2.55%
Economists' Consensus	2.57%	2.58%	2.60%	2.60%	2.65%	2.68%	2.67%

Fed Funds	Current	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20
Citi's Forecast	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Economists' Consensus	2.50%	2.25%	2.00%	2.00%	2.00%	2.00%	2.00%

Expectations of Fed Change in Interest Rates (Market View)

The market is currently pricing in a July rate cut given recent Fed rhetoric and headlines on trade tensions and concerns over continued economic growth



Source: Current rates and expectation of Fed hike as of July 19, 2019; Citi forecasts as of June 26, 2019, Bloomberg forecasts as of July 19, 2019.