

TOWN OF PALM BEACH

Information for Town Council Meeting on: April 9, 2019

To: Mayor and Town Council

Via: Kirk W. Blouin, Town Manager

From: Steven Stern, Underground Utilities Project Manager

Re: Utility Undergrounding Project Status Report

Date: March 28, 2019

I. Communications

Recent Events:

- Cup of Joe with Bo & Town Staff, Friday April 5, 2019.
Location: South Fire Station.
 - Next Meeting: Friday May 3, 2019
- Coffee with the Crew & Town Staff, Monday April 1, 2019.
Location: Palmo Way – Near the Pump Station
 - Next Meeting: Monday May 6, 2019

II. Progress Summary:

Construction progress:

Phase 1 North Construction:

- FPL subscriber conversions are 95% complete as of March 28.
- ATT & Comcast private side service wire pulls and equipment activation are in progress.
- Final pole removal, expected to start end of May 2019.

Phase 1 South Construction:

- The first FPL switching order was received March 15 and the feeder line is now active.
- Numerous additional switching orders are necessary with the schedule determined solely by FPL
- Subscriber conversions will follow an appx 30 day burn in period.
- ATT & Comcast private side service wire pulls and equipment activations are in progress.
- Final pole removal, expected to start July 2019. FPL advised conversions could be delayed by summer electric demand and bad weather.

Phase 2 North Construction:

- On schedule with horizontal directional drilling, compete on N Ocean Way and N Ocean Blvd. The side streets are now in progress.

Phase 3 North Construction:

- Pre-Construction Services in progress with Burkhardt Construction.

Phase 2-3 South Construction:

- Pre-Construction Services in progress.

Design & Easement Progress:

Phase 2:

- Phase 2 North Design is 99% complete
- Phase 2 South Design is 97% complete

Easement Status:

- Phase 2 North: 100% of easements approved
- Phase 2 South: 77% of easements approved

Phase 3:

- Phase 3 North Design is 73% complete
 - Phase 3 South Design is 56% complete
- Phase 3 design remains behind schedule due to delays in Comcast design delivery.

Easement Status:

- Phase 3 North: 20% of easements approved
 - Phase 3 South: 7% of easements approved
- Phase 3 easement acquisition is progressing slower than expected.

Phase 4:

- Phase 4 North Design is 28% complete
 - Phase 4 South Design is 25% complete
- Easement Status: Not Started

Phase 5:

- Phase 5 North Design is 3% complete
 - Phase 5 South Design is 3% complete
- Easement Status: Not Started

III. Phase 2 North – Chicane/ Street Choker – Status Summary:

- | | |
|-------------------|------------------------|
| 1. Esplanade Way: | Recorded |
| 2. Angler Ave: | Recorded |
| 3. Seagate Road: | Discussion in Progress |
| 4. Ocean Terrace: | Recorded (2 of 2) |
| 5. Reef Road: | Recorded (2 of 2) |
| 6. Dolphin Road: | Recorded |

IV. ATT Mobility Update

Staff will provide an update regarding discussions with this service provider to deploy small cell antennas at specific locations.



Underground Utility Project Monthly Progress Report April 2019

Table of Contents

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

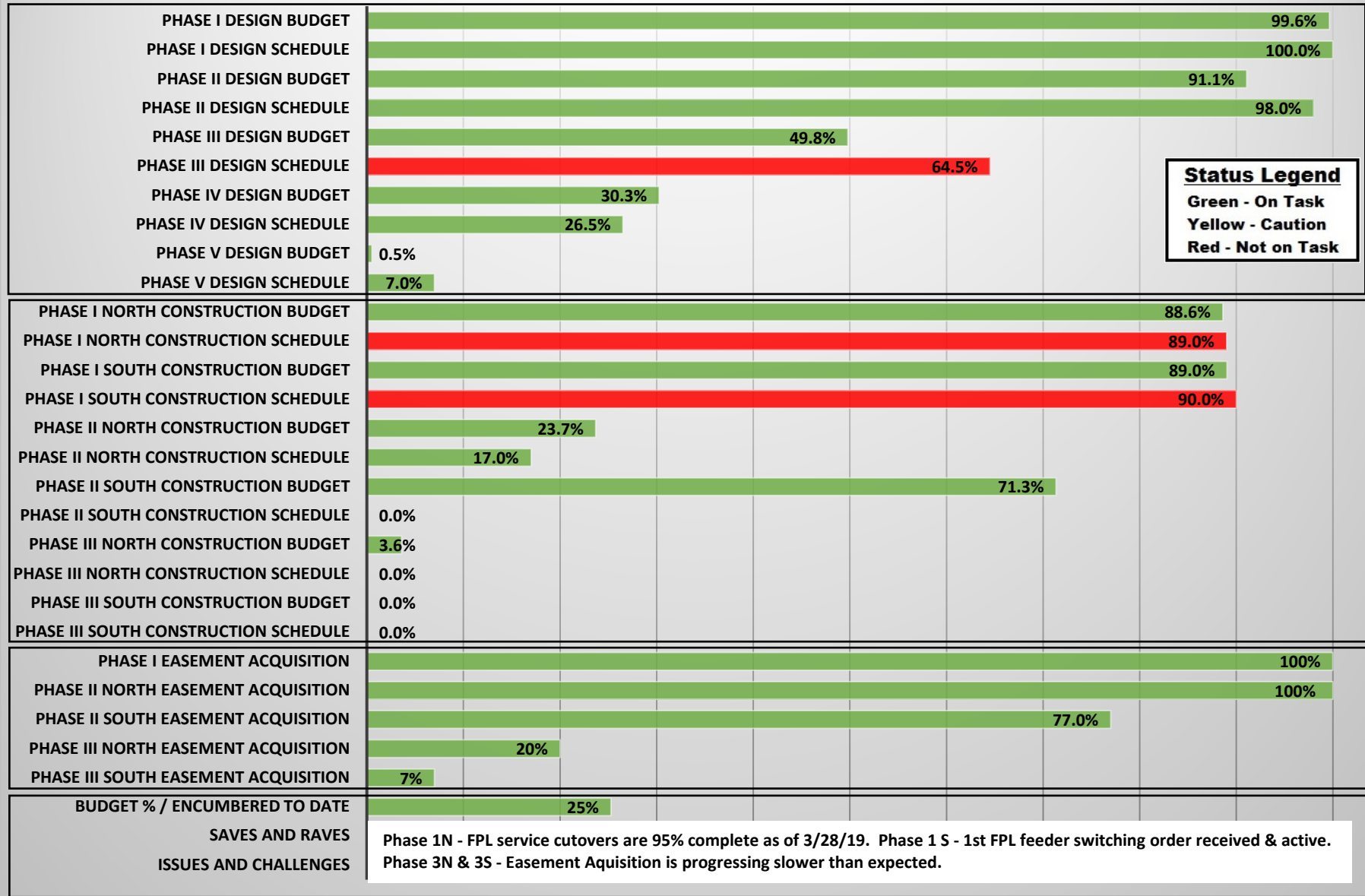
1. Kimley-Horn - Design Progress Reports - Phase 2 - 5
2. Kimley-Horn - Design Phase 2 - 5 Gantt Charts
3. Burkhardt - Executive Summary & Schedule – Phase 1N & 2N
4. Whiting Turner - Executive Summary & Schedule – Phase 1S
5. Project Financial Report
6. Interest Rate Forecast

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 - April '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



Town-Wide Undergrounding - Phase 2 Design

KHA Project #044063202

March 2019 Progress Report

Period: February 26, 2018 to March 25, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 2 North Design is 99% complete
 - Phase 2 South Design is 97% complete
- Budget: Project is on budget as of March 15, 2018
 - Phase 2 North Design is at 95% of total task budget
 - Phase 2 South Design at 92% of total task budget
- Easement Status
 - Phase 2 North: 100% of easements approved
 - Phase 2 South: 77% of easements approved

B. Detailed Design Phase

- Subconsultant/utility owner coordination related to Phase 2 Design revisions and construction.
- Continued modification of construction plans based on easement acquisition process.
- Continued coordination with Comcast, AT&T and FPL to finalize Conduit Plans for Phase 2 South.
- Coordination with the FDOT for the Phase 2 South Landscape MMOA
- Continued resident meetings for easement acquisition in Phase 2 North and Phase 2 South.
- Attendance at Progress Meeting with Town and Utility Owners
- Prepare and submit legal sketches and descriptions for approved easements.
- Attendance at CMAR Phase 2 Construction Kick-off Meeting

II. Upcoming Activities (March 26, 2018 – April 25, 2019)

A. Detailed Design Phase

- Continue resident meetings to discuss easements in Phase 2 South.
- Continued modification of construction plans based on easement acquisition process.
- Continued coordination with Comcast, AT&T and FPL to finalize Conduit Plans for Phase 2 South.
- Progress Meeting Attendance



Town-Wide Undergrounding - Phase 3 Undergrounding
KHA Project #044063215
March 2019 Progress Report
Period: February 26, 2018 to March 25, 2019

I. Scope Update

A. General

- Schedule: Project schedule progress is shown below.
 - Phase 3 North Design is 73% complete *
 - Phase 3 South Design is 56% complete *
 - Budget: Project is on budget as of March 15, 2019
 - Phase 3 North Design is at 53% of total task budget
 - Phase 3 South Design at 48% of total task budget
 - Easement Status
 - Phase 3 North: 20% of easements approved
 - Phase 3 South: 7% 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

- Continued Subconsultant/utility owner coordination related to Phase 3 Undergrounding.
- Continued Progress on development of Equipment Location and Conduit Plan for Phase 3 South.
- Review and comment on ATT and Comcast Preliminary Plans
- Preliminary Landscaping Plan development.
- Phase 3 Specification development.
- Phase 3 North BCE markup and request to FPL.
- Coordination with Waypoint regarding commercial service sizing.
- Meeting with Comcast to coordinate Phase 3 Design
- Meeting with ATT to coordinate the Phase 3 South Design
- Meeting with CMAR to discuss Phase 3 South
- Progress Meeting Attendance.
- Continued development of Phase 3 North and South easement exhibits and submittal to Town.
- Site meetings to discuss easement requests in Phase 3 North and South.
- Field Review with FPL regarding Golfview Alley
- Conference Call with Town to discuss Private Streets
- Coordination Meetings with Subconsultants

II. Upcoming Activities (March 26, 2019 – April 25, 2019)

A. Detailed Design Phase

- Submittal of easement exhibits based on new equipment locations received from FPL – Phase 3 North and South
- Continued Easement meetings with property owners – Phases 3 North and South
- Coordination with CMAR for Phase 3 North pre-construction services
- Continued coordination with FPL, AT&T and Comcast to complete the design
- Progress Meeting Attendance



Town-Wide Undergrounding - Phase 4 Undergrounding

KHA Project #044063219

March 2019 Progress Report

Period: February 26, 2018 to March 25, 2019

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below.
 - Phase 4 North Design is 28% complete
 - Phase 4 South Design is 25% complete
- **Budget:** Project is on budget as of March 15, 2019
 - Phase 4 North Design is at 25% of total task budget
 - Phase 4 South Design at 25% of total task budget
- **Easement Status**
 - Phase 4: N/A, will provide status when this work begins

B. Detailed Design Phase

- Subconsultant coordination related to Phase 4 Undergrounding
- Continued coordination with utility owners to receive record information.
- Review of preliminary equipment location plans provided by FPL.
- Field review of preliminary FPL equipment locations for feasibility.
- Preliminary development of Equipment Location Plans for Phase 4 North and South.
- Submittal of Phase 4 North plans to AT&T and Comcast to begin design
- Meeting with City of West Palm Beach regarding desired watermain replacement work in Phase 4.
- Progress on the development of easement exhibits for Phases 4 North and South.
- Progress Meeting Attendance

II. Upcoming Activities (March 26, 2018 – April 25, 2018)

A. Detailed Design Phase

- Continued development and submittal of easement exhibits for Phases 4 North and South.
- Submittal of Preliminary Equipment Location Plans to Town
- Submittal of Phase 4 South Equipment Plan to AT&T and Comcast to begin design
- Progress Meeting attendance



Town-Wide Undergrounding - Phase 5 Undergrounding

KHA Project #044063229

March 2019 Progress Report

Period: February 26, 2019 to March 25, 2019

I. Scope Update

A. General

- **Schedule:** Project schedule progress is shown below
 - Phase 5 North Design is 6% complete
 - Phase 5 South Design is 8% complete
- **Budget:** Project is on budget as of March 15, 2019
 - Phase 5 North Design is at 6% of total task budget
 - Phase 5 South Design is at 8% of total task budget
- **Easement Status**
 - Phase 5: N/A, will provide status when this work begins

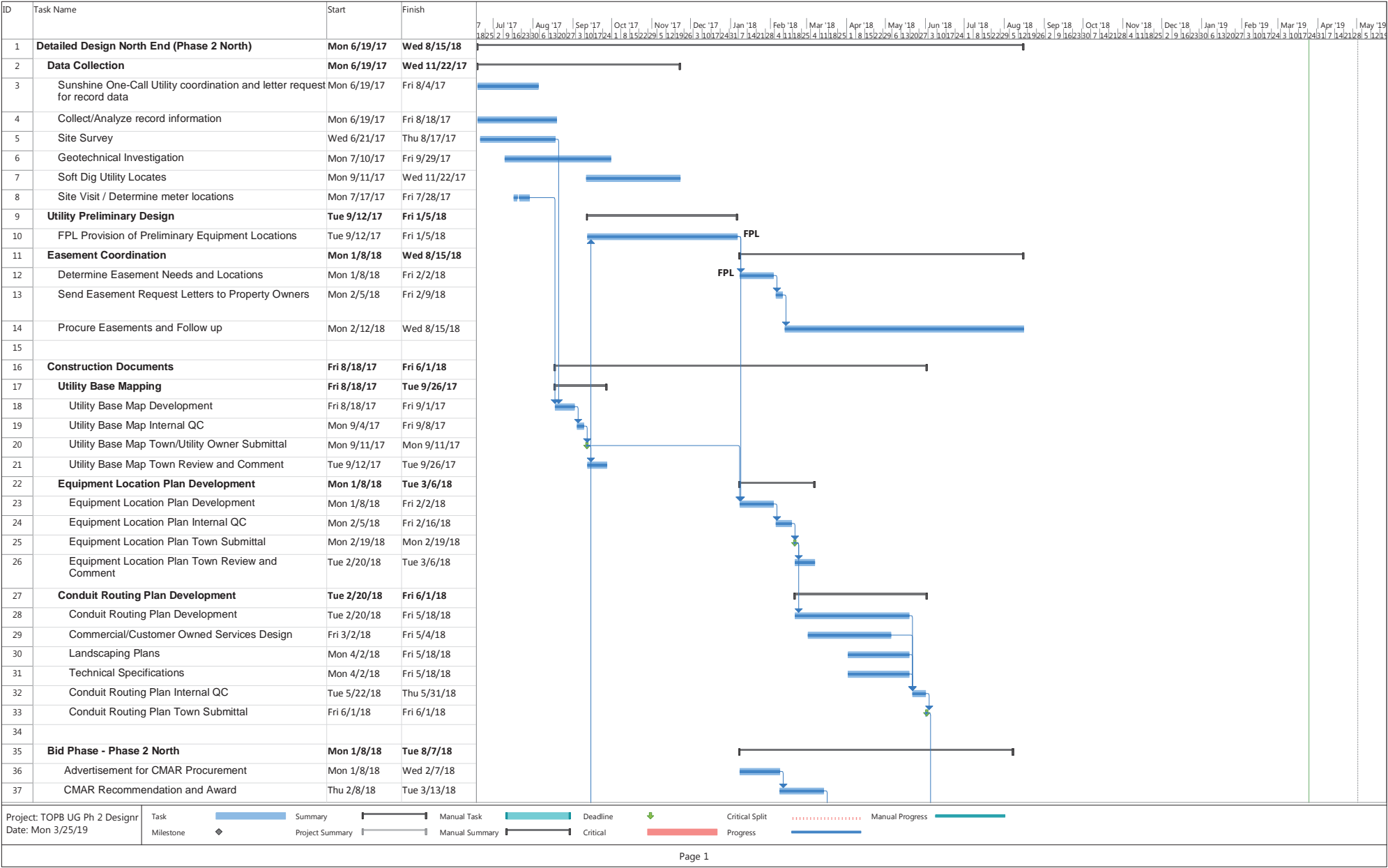
B. Detailed Design Phase

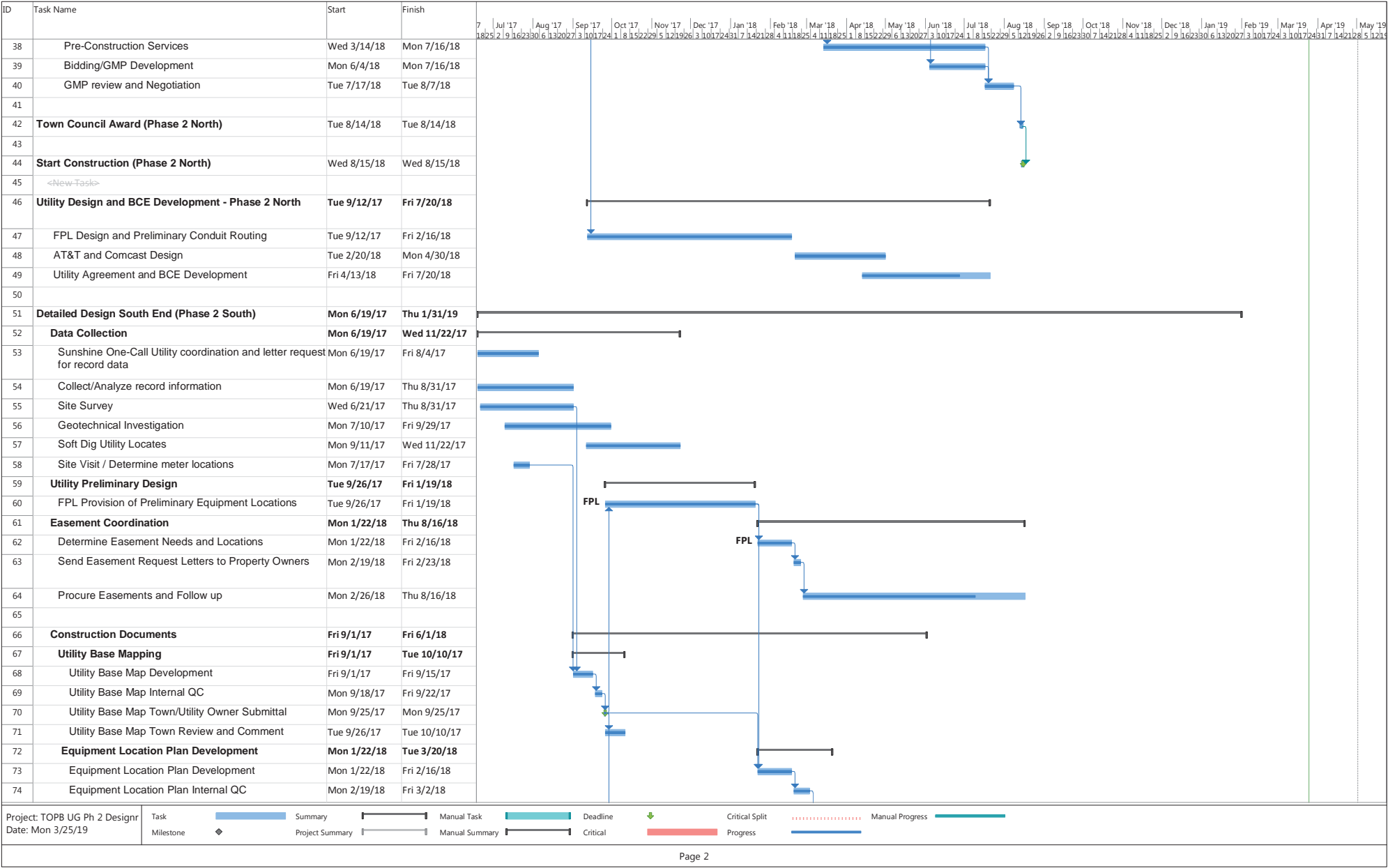
- Began field meter reviews
- Continued surveying
- Continued utility coordination
- Coordinated with sub-consultants and Town
- Led coordination meetings with sub-consultants

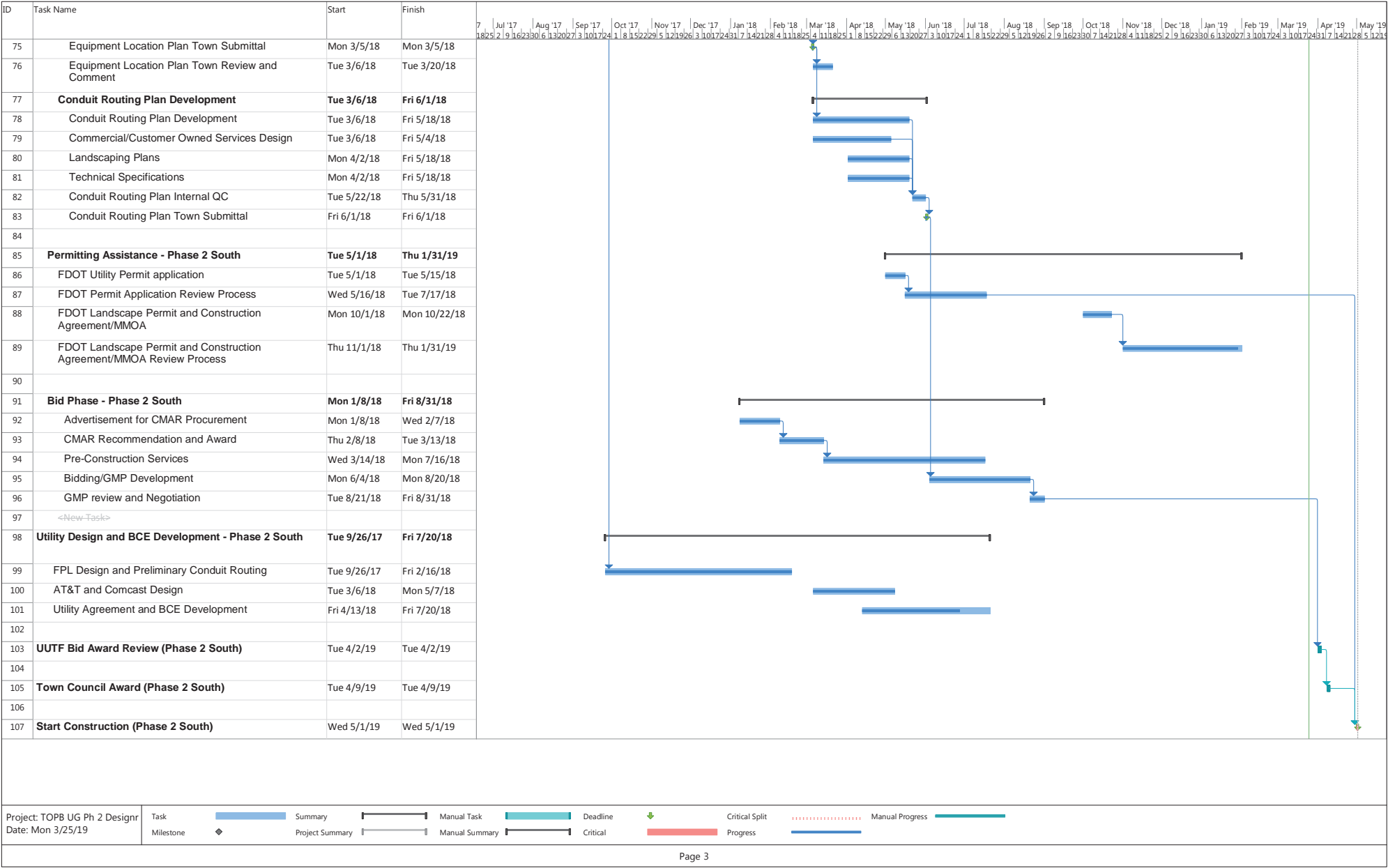
II. Upcoming Activities (March 26, 2019 – April 25, 2019)

A. Detailed Design Phase

- Begin existing easement research
- Continue field meter reviews
- Continue surveying
- Coordinate with sub-consultants and Town
- Lead coordination meetings with sub-consultants

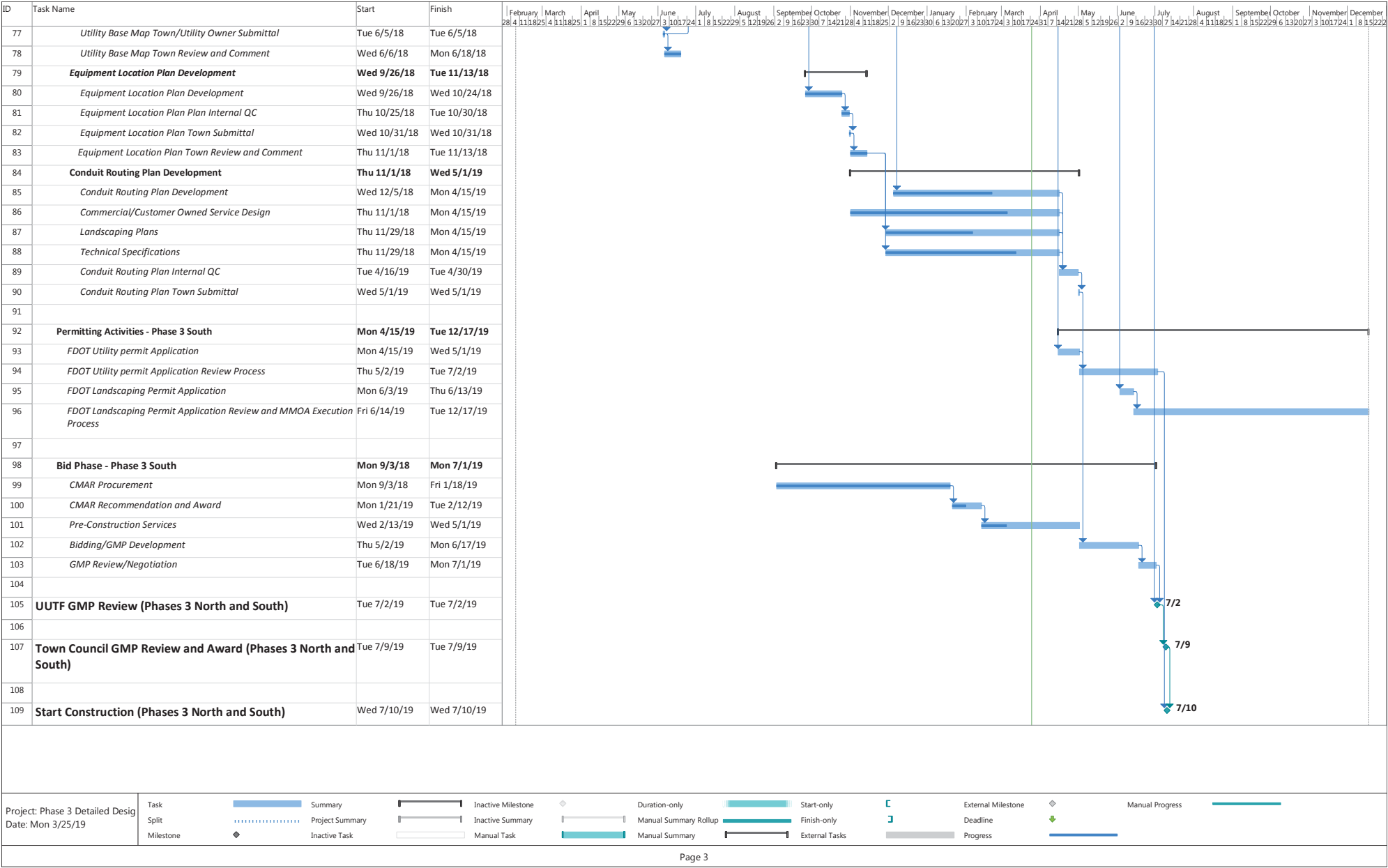


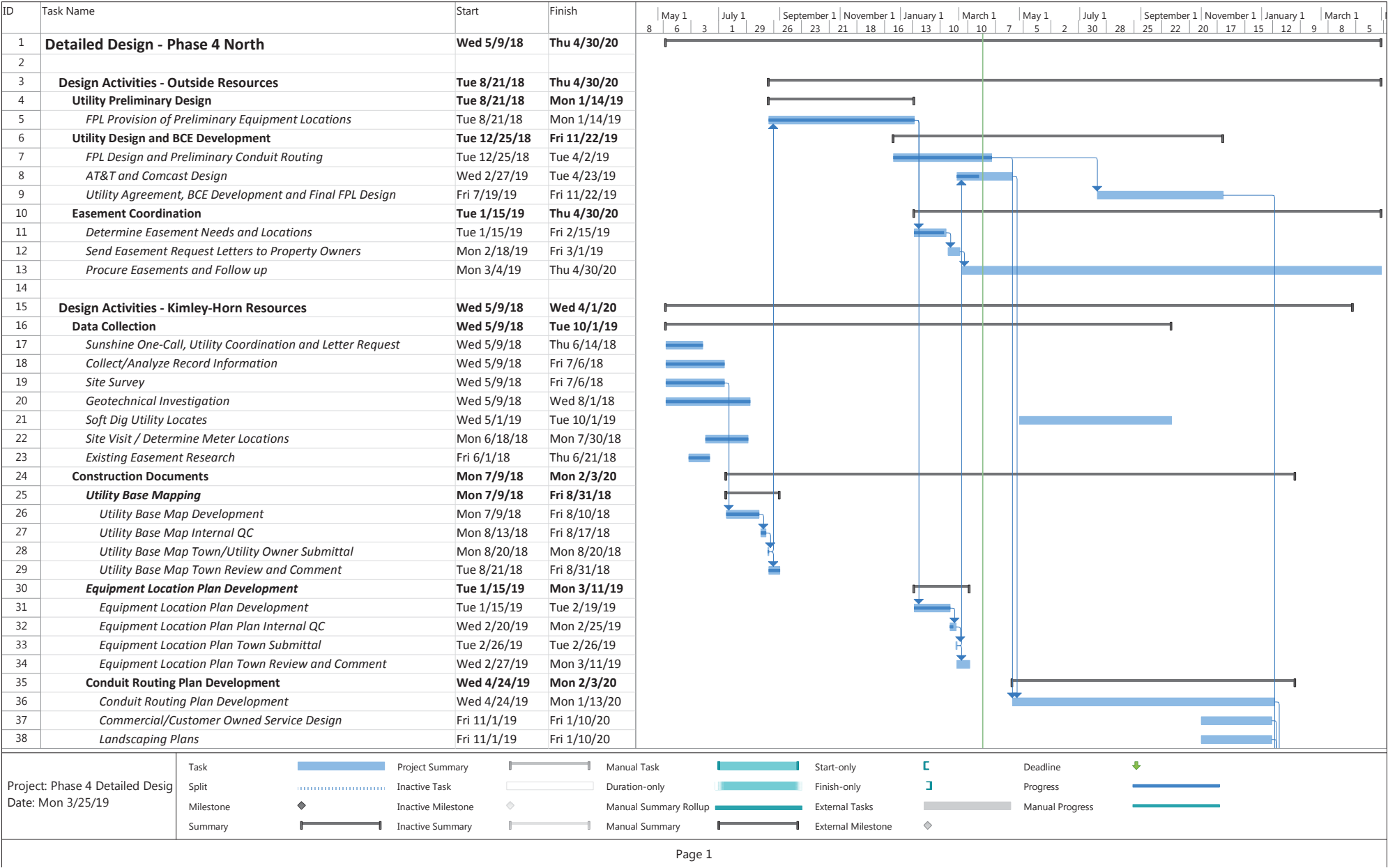


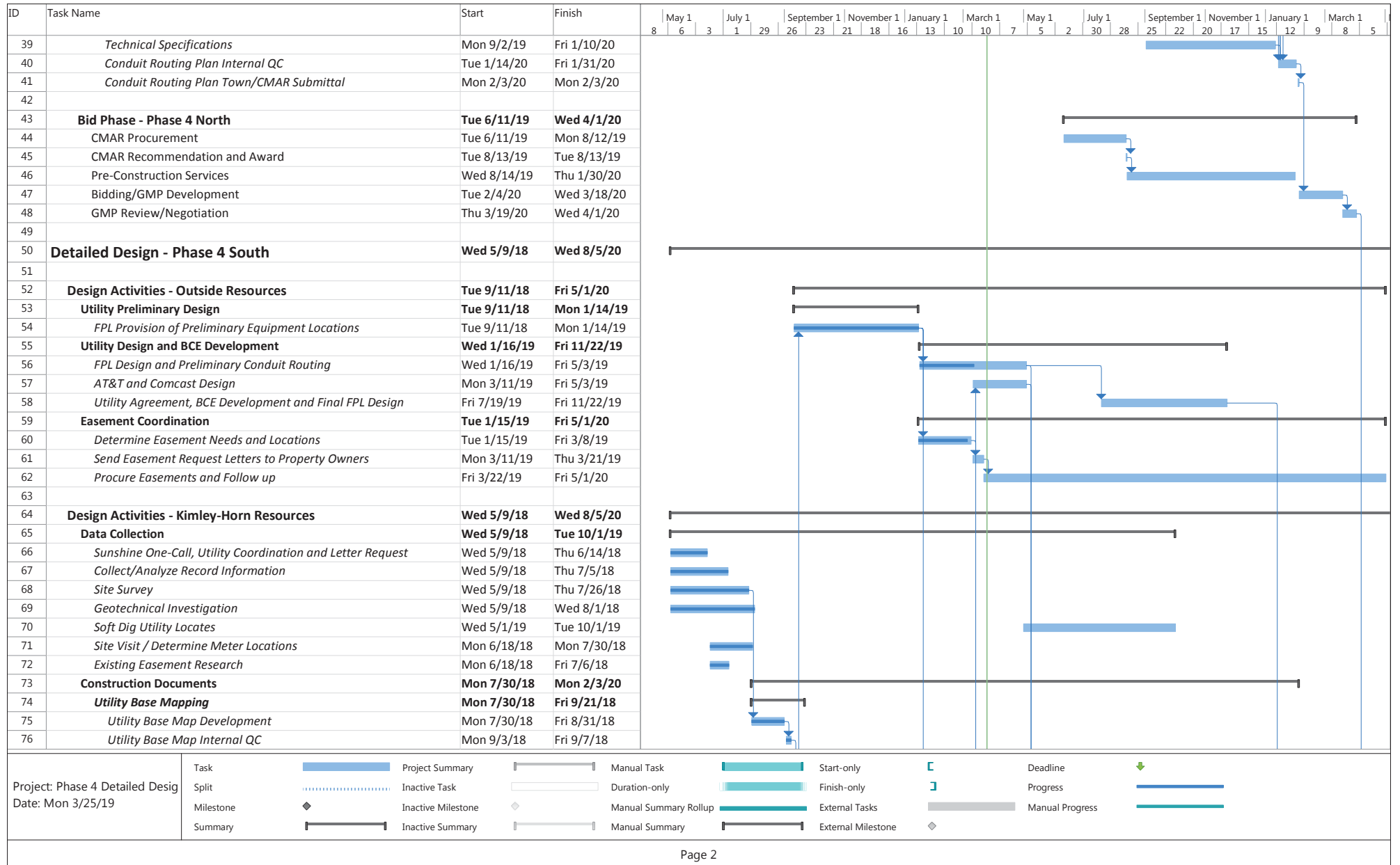


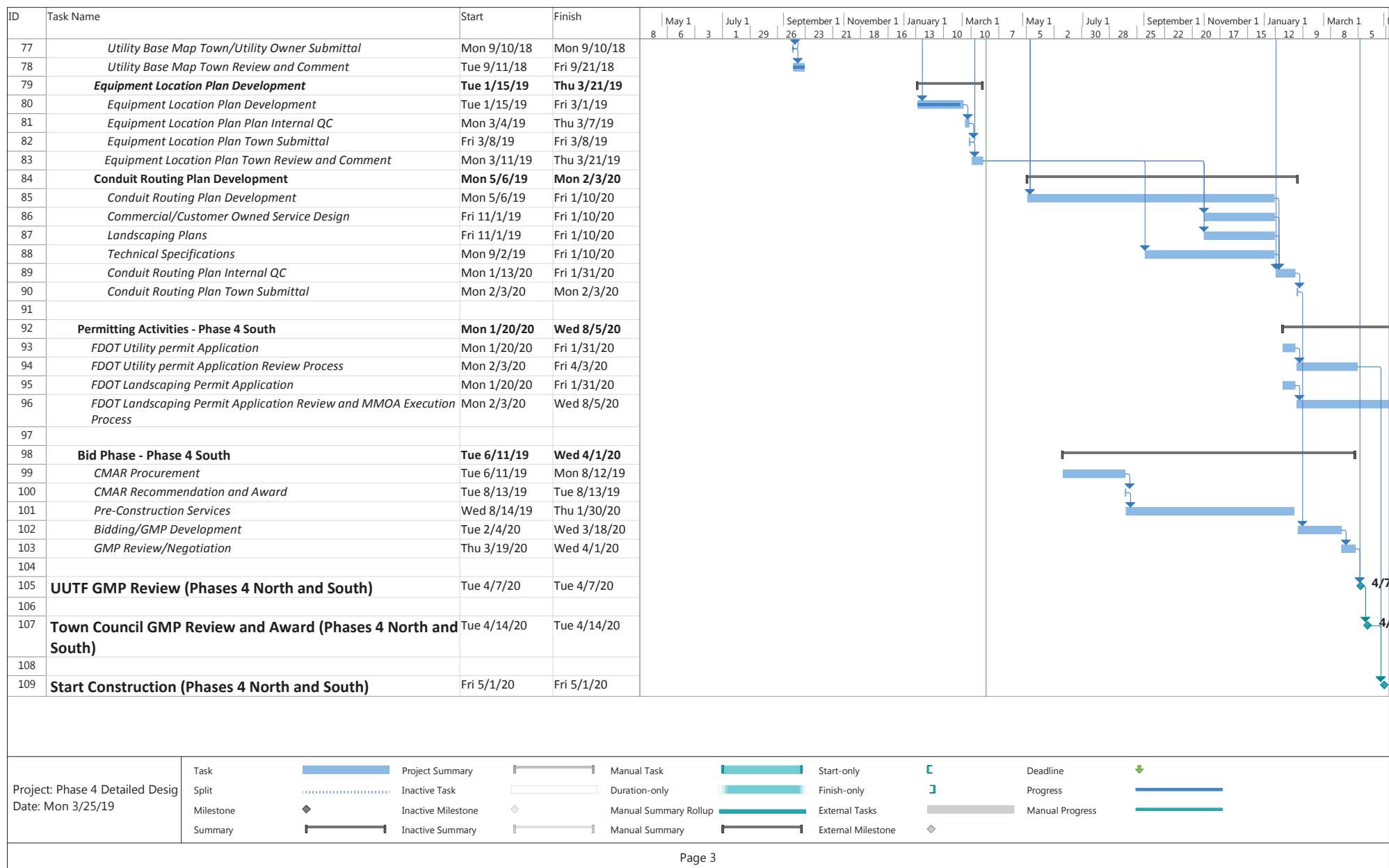
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Project: Phase 3 Detailed Design Date: Mon 3/25/19		<div><div><div>Task</div><div>Split</div><div>Milestone</div></div><div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div></div><div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div></div><div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div></div><div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div><div><div>External Milestone</div><div>Deadline</div><div>Progress</div></div><div><div>Manual Progress</div><div>Progress</div></div></div>																																																																																																					
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39	Technical Specifications	Mon 10/1/18	Fri 2/15/19																																																																																																				
40	Conduit Routing Plan Internal QC	Mon 2/18/19	Thu 2/28/19																																																																																																				
41	Conduit Routing Plan Town/CMAR Submittal	Fri 3/1/19	Fri 3/1/19																																																																																																				
42																																																																																																							
43	Bid Phase - Phase 3 North	Mon 9/3/18	Tue 4/30/19																																																																																																				
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	Tue 4/30/19																																																																																																				
47	Bidding/GMP Development	Mon 3/4/19	Thu 4/4/19																																																																																																				
48	GMP Review/Negotiation	Fri 4/5/19	Thu 4/18/19																																																																																																				
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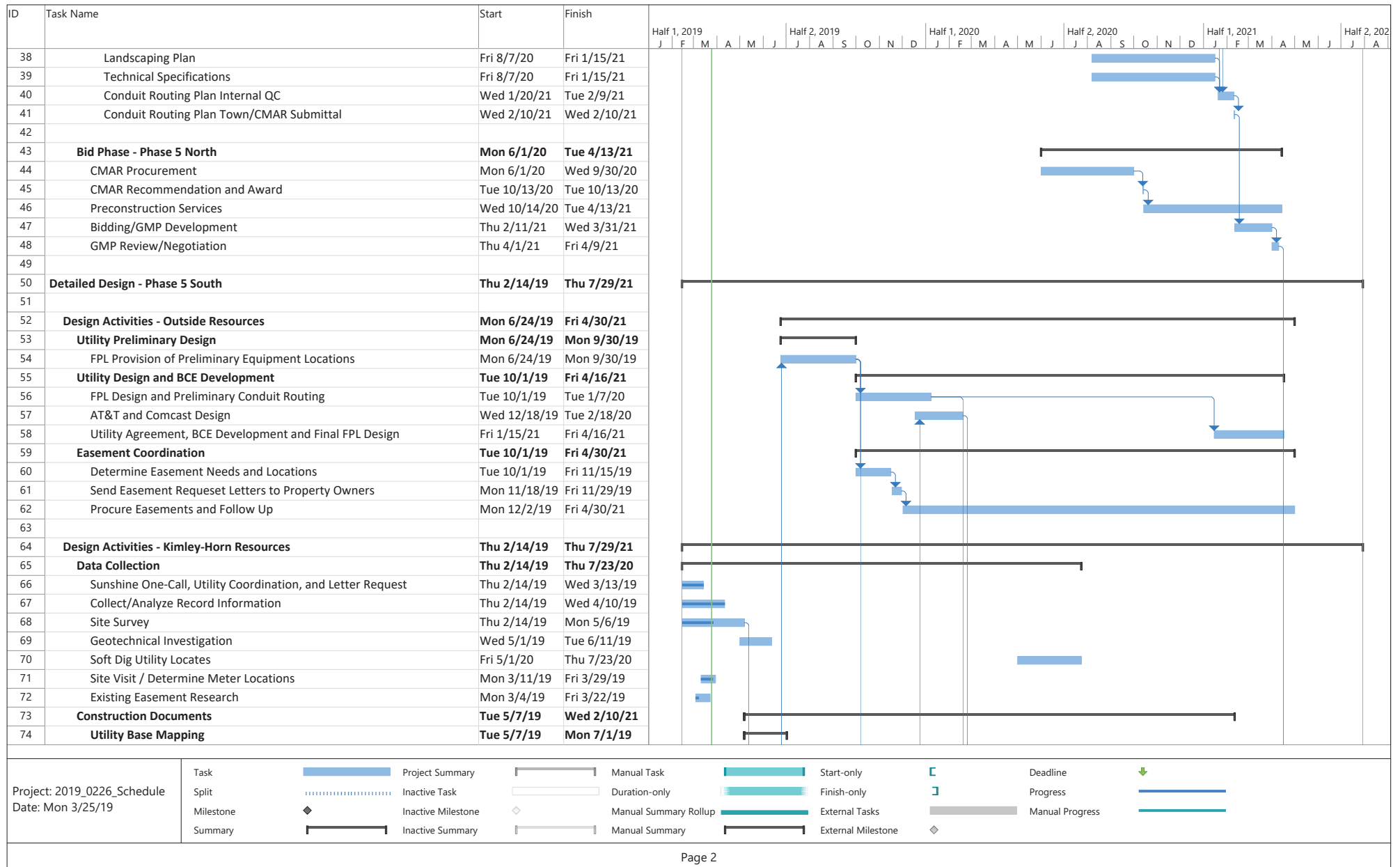


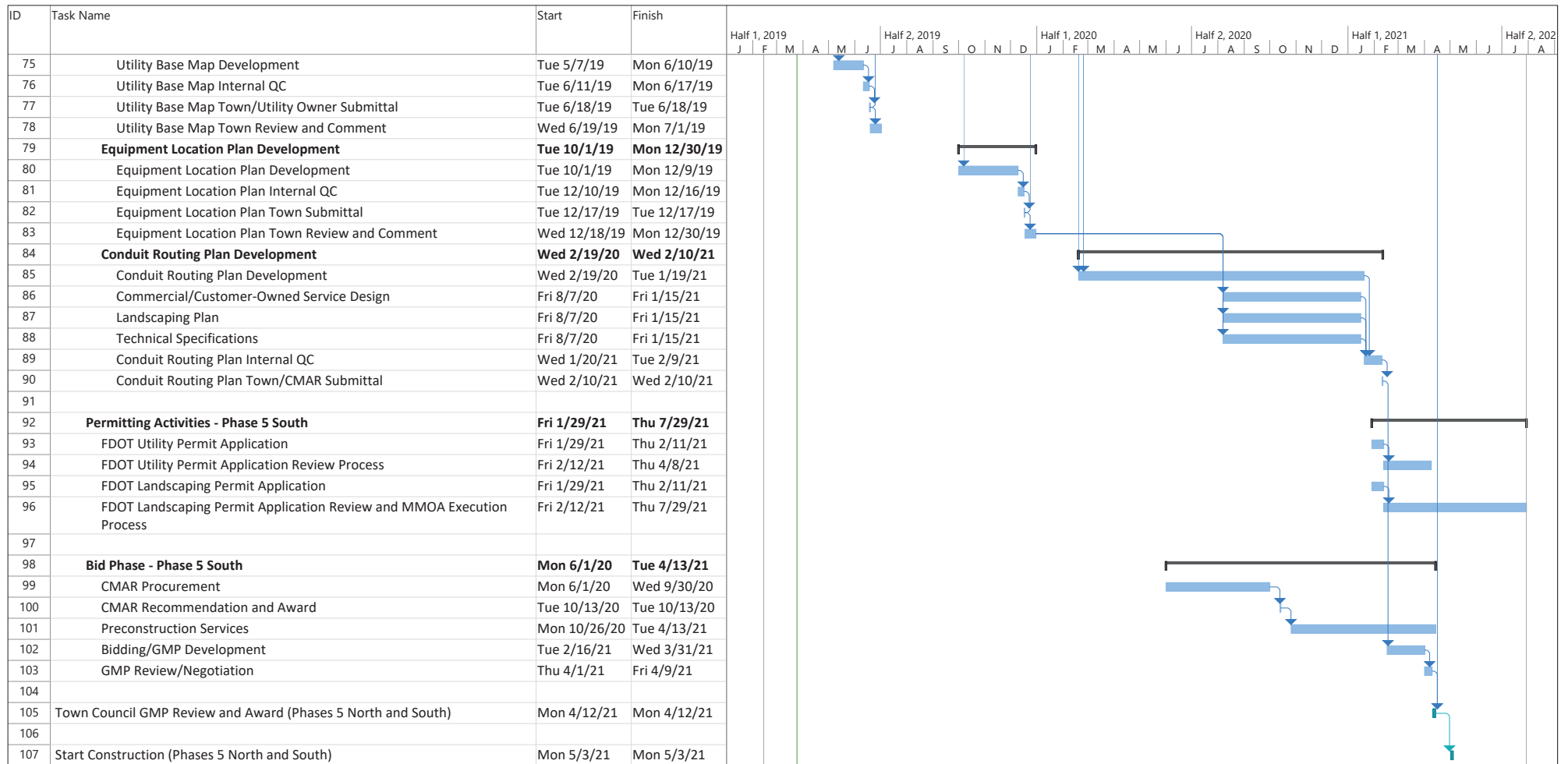






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1	Detailed Design - Phase 5 North	Thu 2/14/19	Fri 4/30/21
2			
3	Design Activities - Outside Resources	Wed 6/19/19	Fri 4/30/21
4	Utility Preliminary Design	Wed 6/19/19	Mon 9/30/19
5	FPL Provision of Preliminary Equipment Locations	Wed 6/19/19	Mon 9/30/19
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15	Design Activities - Kimley-Horn Resources	Thu 2/14/19	Tue 4/13/21
16	Data Collection	Thu 2/14/19	Thu 7/23/20
17	Sunshine One-Call, Utility Coordination, and Letter Request	Thu 2/14/19	Wed 3/13/19
18	Collect/Analyze Record Information	Thu 2/14/19	Wed 4/10/19
19	Site Survey	Thu 2/14/19	Mon 5/6/19
20	Geotechnical Investigation	Wed 5/1/19	Tue 6/11/19
21	Soft Dig Utility Locates	Fri 5/1/20	Thu 7/23/20
22	Site Visit / Determine Meter Locations	Mon 3/11/19	Fri 3/29/19
23	Existing Easement Research	Mon 3/4/19	Fri 3/22/19
24	Construction Documents	Tue 5/7/19	Wed 2/10/21
25	Utility Base Mapping	Tue 5/7/19	Mon 7/1/19
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34	Equipment Location Plan Town Review and Comment	Wed 12/18/19	Mon 12/30/19
35	Conduit Routing Plan Development	Wed 2/19/20	Wed 2/10/21
36	Conduit Routing Plan Development	Wed 2/19/20	Tue 1/19/21
37	Commercial/Customer-Owned Service Design	Fri 8/7/20	Fri 1/15/21





Project: 2019_0226_Schedule
Date: Mon 3/25/19

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													2018												2019	
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb				
1	Phase I - NORTH	89%	420 days?	Mon 6/12/17	Fri 1/18/19																										
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	90%	133 days	Tue 2/27/18	Thu 8/30/18																										
20	*Comcast Pull Wire, Set Pedestals	90%	133 days	Tue 2/27/18	Thu 8/30/18																										
21	Cut over / Overhead Removal (ATT/Comcast)	0%	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)	98%	113 days	Mon 6/11/18	Wed 11/14/18																										
24	** Demo Overhead / Remove Poles (FPL) / Final Restoration	10%	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.	0%																													
26	**This Work Must Be Performed By FPL Crews, All Other Work Is Anticipated To Be Performed By A Subcontractor Under The Direction Of Burkhardt Construction, Inc.	0%																													
27	Storm Drainage	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																										



Vincent G. Burkhardt
President



Executive Summary
For
February 2019

Project Description

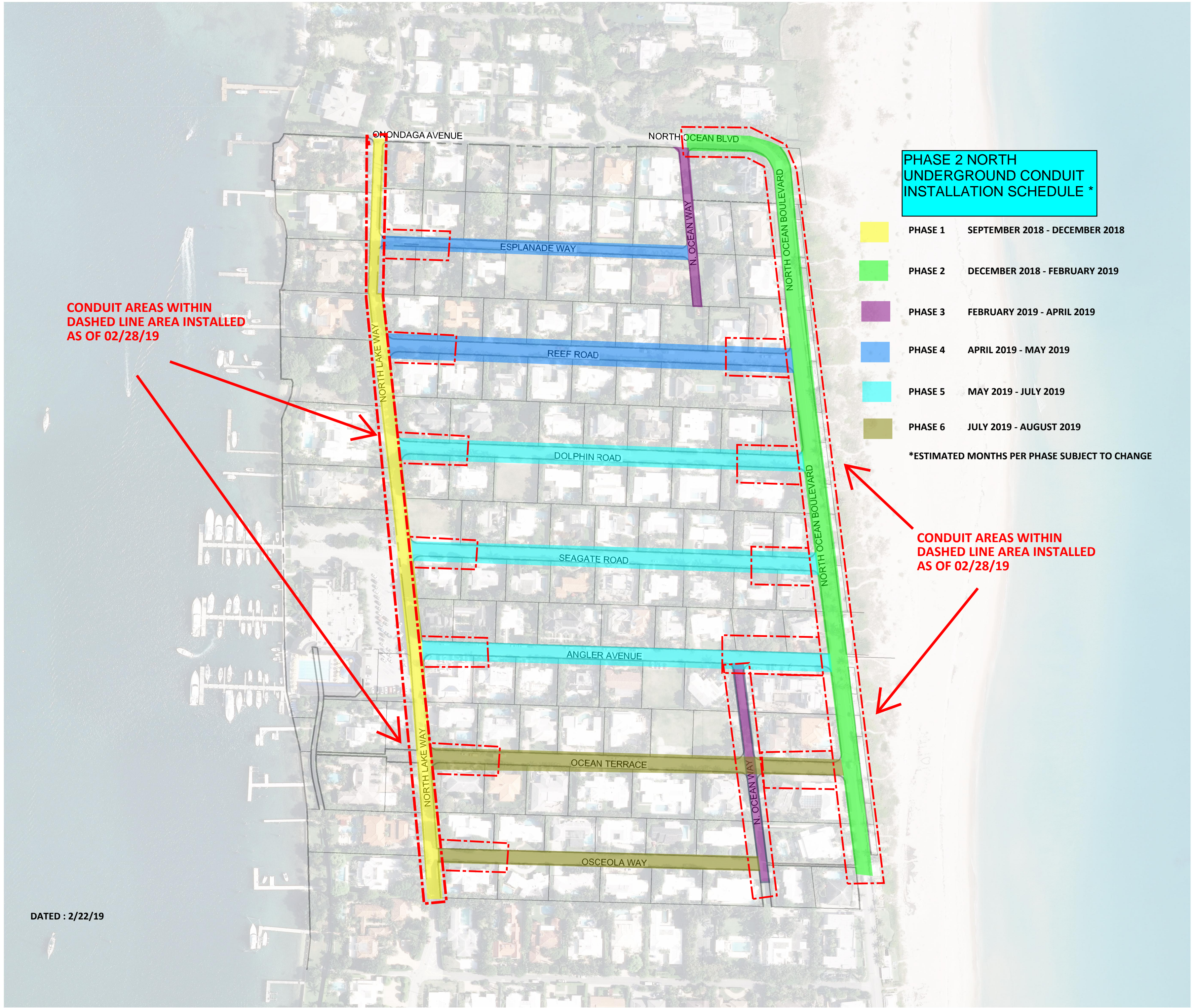
Townwide Overhead Utility Undergrounding
Phase 2 North
P.O. # 181400

Project Status:

February was a very productive month as the crews made significant progress with the horizontal directional drilling. They continued south along North Ocean Blvd. from Dolphin to the southern limits of the project just south of Ocean Terrace. They also continued drilling from North Ocean Blvd west to the first transformer location on Seagate, Angler, and Ocean Terrace. North Ocean Way from Angler Avenue heading to the south the end was also drilled.

Transformer pads, transformers, and AT&T splice boxes were installed at 6 locations within the project.

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	% Complete	Duration	Start	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter			2nd 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	17%	399 days	Tue 8/14/18																						
2	Town Council Approval	100%	1 day	Tue 8/14/18																						
3	Award Prime Contract	100%	13 days	Wed 8/15/18																						
4	Permitting	100%	14 days	Wed 8/15/18																						
5	Customer Owned Service Connection Permitting	80%	14 days	Wed 8/15/18																						
6	Sub Contract Agreements	100%	14 days	Wed 8/15/18																						
7	Material Procurement	98%	11 days	Mon 8/20/18																						
8	Underground Conduit Installation, Primary/Secondary (FPL, ATT, Comcast)	80%	240 days	Mon 9/3/18																						
9	Feeder Splice Box Installation	25%	140 days	Sun 12/30/18																						
10	Set Transformers / Switch Cabinets (FPL)	25%	155 days	Sun 1/13/19																						
11	Secondary Services / Wire	0%	235 days	Mon 11/5/18																						
12	As-Built Submission / Review (FPL)	25%	220 days	Mon 2/11/19																						
13	Pull Wire / Terminations Primary (FPL)	0%	145 days	Mon 2/18/19																						
14	*ATT Rod Conduit, Pull Wire, Set Pedestals	0%	180 days	Mon 3/11/19																						
15	*Comcast Pull Wire, Set Pedestals	0%	180 days	Mon 3/11/19																						
16	Cut over / Overhead Removal (ATT/Comcast)	0%	150 days	Mon 6/3/19																						
17	Energize Underground (FPL)	0%	140 days	Mon 4/8/19																						
18	Secondary Service Switch Over (FPL)	0%	180 days	Fri 4/19/19																						
19	** Demo Overhead / Remove Poles (FPL) / Final Restoration	0%	180 days	Mon 6/17/19																						
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 9/24/18																						

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

- ♦ S. Ocean Blvd (Electrical Undergrounding Crew) - Undergrounding Crews are 100% completed with conduit, equipment, concrete vaults and pads, cable and terminations. Street Lighting conduit and boxes completed. FPL Punchlist related items completed. Currently waiting on switching orders from FPL.
- ♦ Phipps Ocean North Parking Lot Lighting conduit, handholes and pole installation completed. Currently waiting on switching orders from FPL to energize poles.
- ♦ Ibis Isle AT&T/Comcast conduit installation along with Concrete Curb/Asphalt Mill & Re-surface (drainage) and striping complete. Currently waiting on switching orders from FPL.
- ♦ Ibis Isle Watermain replacement completed.
- ♦ Restroom building is completed and open to the public.
- ♦ A-41 electrical/mechanical installations completed. Pump Station Start-up to take place this month.

DOCUMENTATION:

RFIs:

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

SUBMITTALS:

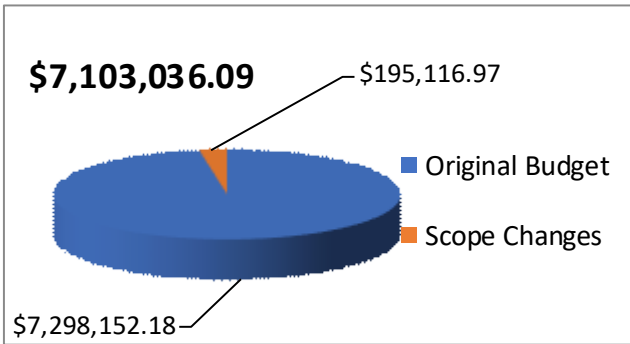
- A. 275+ Individual Submittals Processed
- B. 0 Submittal Package Currently Under Review
- C. 0 Submittal Packages Pending Submission to A/E

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:

FINANCIALS—BUDGET VS. COSTS



Current GMP Amount	—	\$7,103,036.09
Approved Owner Initiated Scope Changes	—	\$195,116.97
Gross Billings to Date (\$)	—	\$6,207,986.56
Gross Billings to Date (%)	—	87%
Schedule % Completed	—	90%

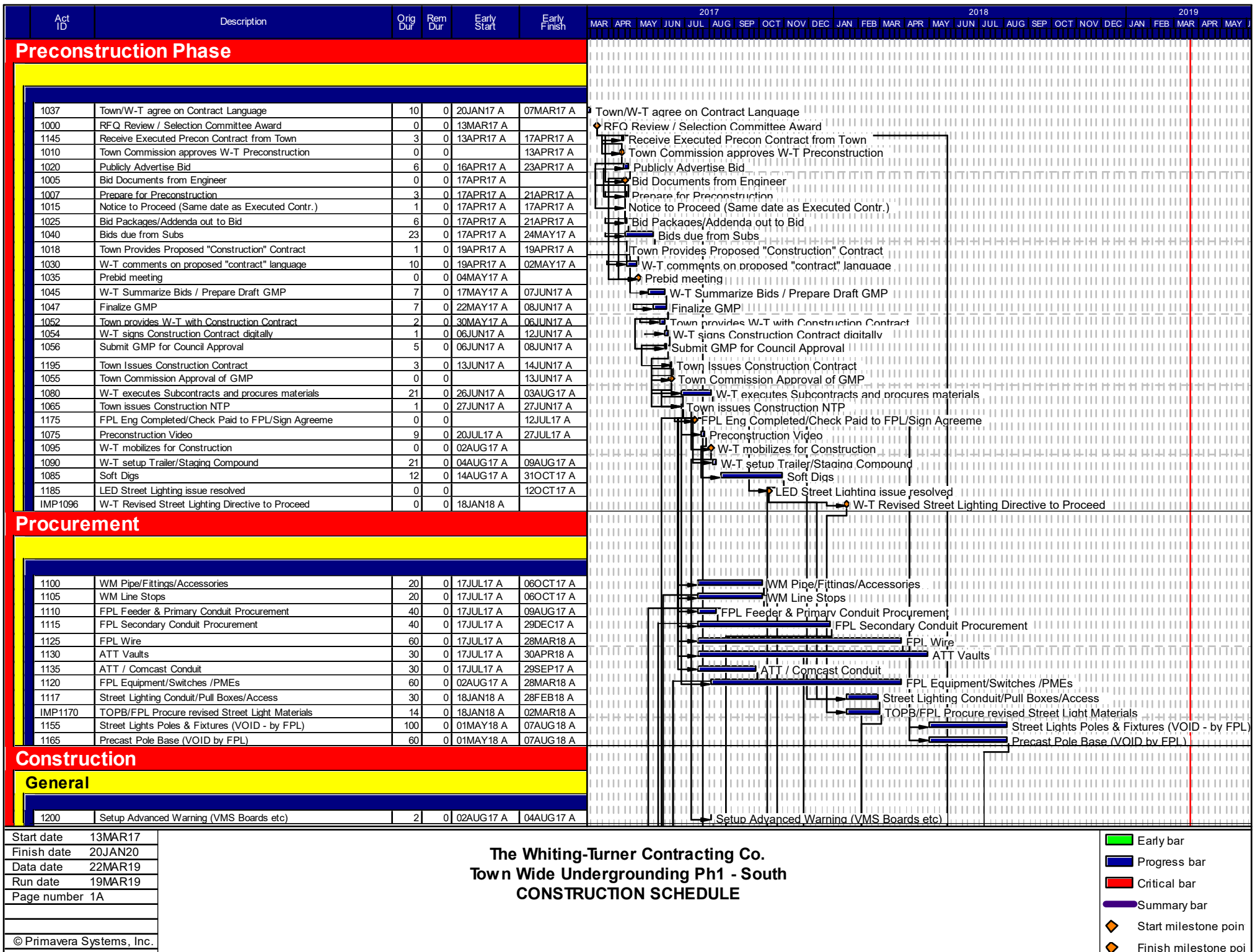


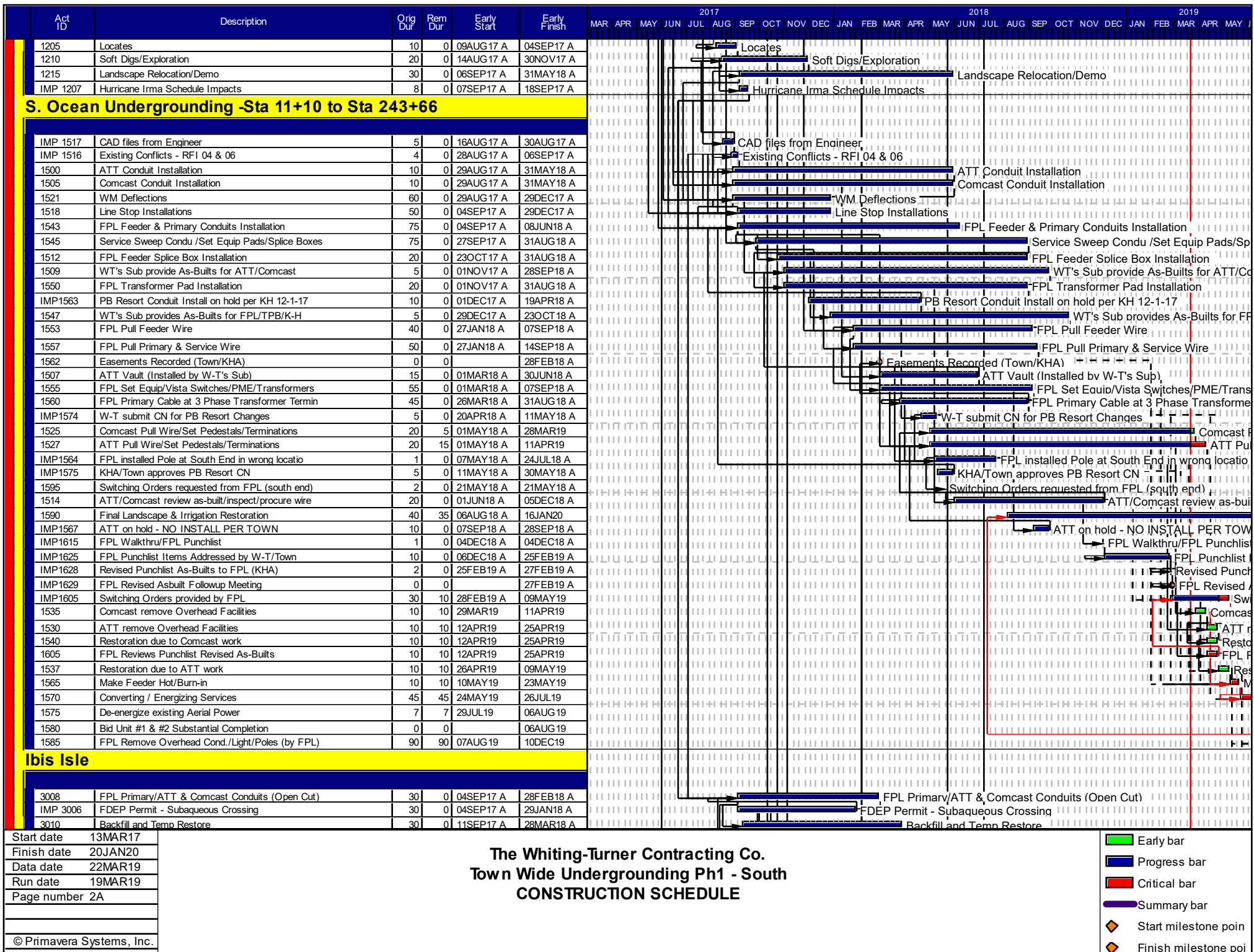
SCHEDULE SUMMARY

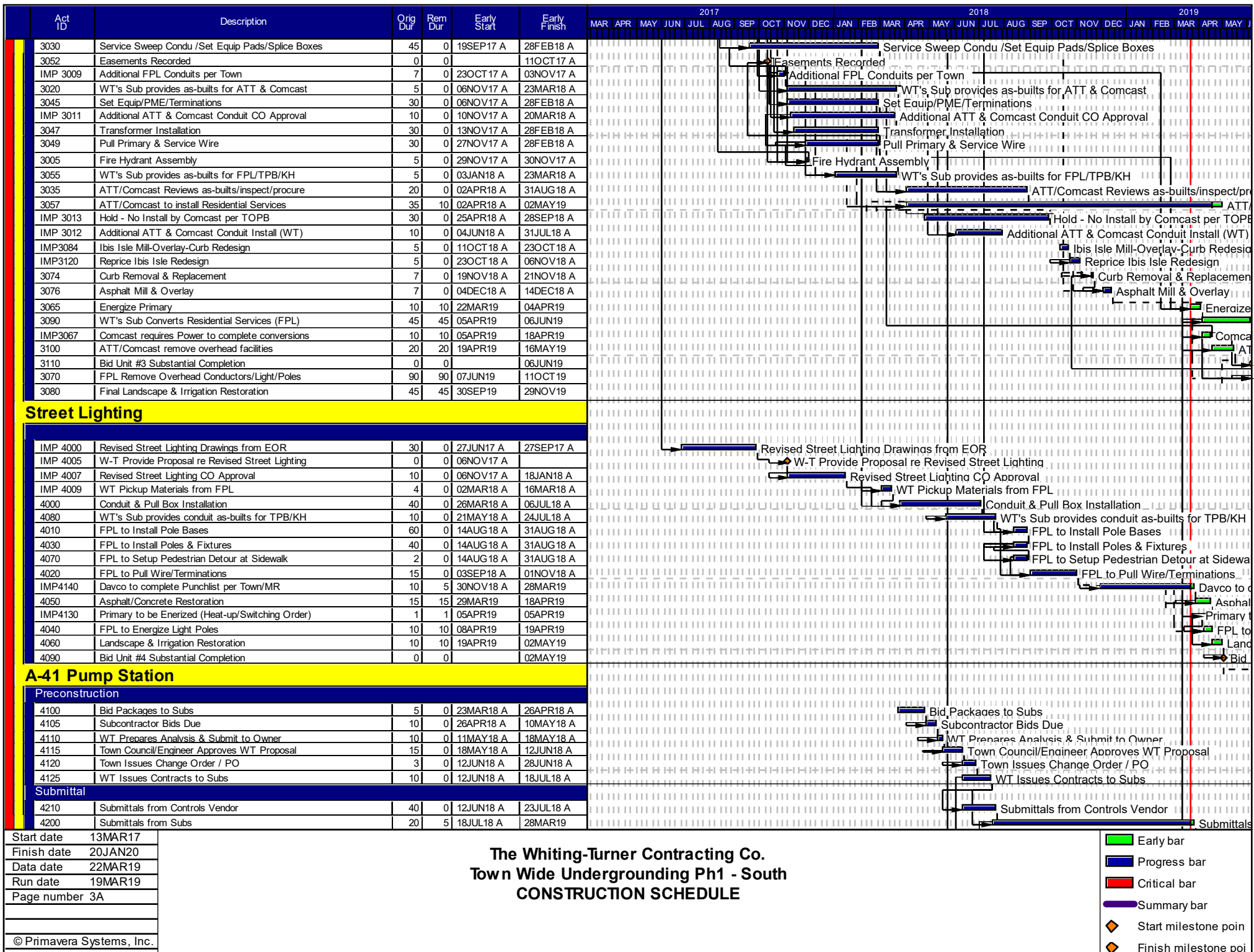
S. Ocean Undergrounding -Sta 11+10 to Sta 243+66					
1535	Comcast remove Overhead Facilities	10	10	19DEC18	03JAN19
1530	ATT remove Overhead Facilities	10	10	04JAN19	17JAN19
1540	Restoration due to Comcast work	10	10	04JAN19	17JAN19
1537	Restoration due to ATT work	10	10	18JAN19	31JAN19
1565	Make Feeder Hot/Burn-in	10	10	18JAN19	31JAN19
1570	Converting / Energizing Services	45	45	01FEB19	04APR19
A-41 Pump Station					
Preconstruction					
4535	Reinstall Pumps	15	0	22JAN19 A	25JAN19 A
4550	Electrical Final	15	10	14FEB19 A	16APR19
IMP4580	Remove Pump #3 due to leak in Cooling Jacket	1	0	14FEB19 A	14FEB19 A
IMP4590	CN re Pump#3 & Repair Time at Sanders	10	0	14FEB19 A	11MAR19 A
IMP4600	Reinstall Pump #3	1	0	01MAR19 A	01MAR19 A
4530	Mechanical Final	20	10	18MAR19 A	16APR19
4555	Start-up / Commissioning	10	10	17APR19	30APR19
4560	Dismantle Bypass & Temp Ventilation	10	10	26APR19	09MAY19
Street Lighting					
4020	FPL to Pull Wire/Terminations	15	0	03SEP18 A	01NOV18 A
IMP4140	Davco to complete Punchlist per Town/MR	10	5	30NOV18 A	01MAR19
4050	Asphalt/Concrete Restoration	15	15	04MAR19	22MAR19
IMP4130	Primary to be Energized (Heat-up/Switching Order)	1	1	11MAR19	11MAR19
4040	FPL to Energize Light Poles	10	10	12MAR19	25MAR19
4060	Landscape & Irrigation Restoration	10	10	25MAR19	05APR19
4090	Bid Unit #4 Substantial Completion	0	0		05APR19

SCHEDULE NOTES / IMPACTS:

- Street Lighting conduit and handhole installations by Whiting-Turner 100% complete. FPL Street Lighting pole installation (by others) 100% complete. Currently waiting on switching orders from FPL for WT for proceed.
- 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 will be fully operational following start-up scheduled for this month.







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Start date	13MAR17
Finish date	20JAN20
Data date	22MAR19
Run date	19MAR19
Page number	6A
© Primavera Systems, Inc.	

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

Underground Utility Project Budget
Project Financial Summary
February 28, 2019

Expenditures	Original OPC	Updated OPC	Budget	Actual	% Expended
Phase 1	\$ 12,620,000	\$ 12,900,000	\$ 12,642,040	\$ 11,413,515	90.3%
Phase 2	\$ 9,170,000	\$ 9,710,000	\$ 5,401,525	\$ 1,967,630	36.4%
Phase 3	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 882,995	72.3%
Phase 4	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 273,367	20.9%
Phase 5	\$ 14,090,000	\$ 14,850,000	\$ 1,529,447	\$ 6,649	0.4%
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	\$ 2,434,002	66.1%
Total Project Costs To Date*	\$ 98,580,000	\$ 106,210,414	\$ 25,781,563	\$ 16,978,158	65.9%
* Updated OPC includes estimated AT&T credit					
Total Other Costs Outside Underground Budget			\$ 929,169	\$ 1,568,006	168.8%
Total Underground Project Costs			\$ 26,710,732	\$ 18,546,164	69.4%
Opinion of Cost - Master Plan			98,600,000		
AT&T and Comcast Additional Project Costs			6,700,000		
AT&T Credit - TBD					
FPL Credit			(3,300,000)		
Total Project Budget			\$ 102,000,000		
% Budgeted/Encumbered To Date Project Costs			25.28%		
% Spent to Date - Project Costs			16.65%		

Project Revenues Received

Revenues	Budget	Actual	% of Budget
Revenues			
Prepaid Assessments		\$ 11,591,500	0.0%
Assessment Revenue	\$ 9,380,000	\$ 8,075,120	86.1%
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	\$ -	\$ 340,970	
Interest	\$ 12,000	\$ 776,709	6472.6%
GO Bond Proceeds	\$ 60,500,000	\$ 60,499,897	100.0%
1 Cent Sales Tax	\$ 2,500,000	\$ 1,166,667	46.7%
FPL		\$ 418,436	
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	\$ 175,000	
Total Project Revenues	\$ 76,263,741	\$ 86,685,940	113.7%

Underground Utility Project Budget
Phase 1 Project Costs
February 28, 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	29,215	85.9%
Subtotal Design Phase	\$ 1,330,000	\$ 1,400,000	\$ 1,310,829	\$ 1,306,028	99.6%
Construction Costs					
Phase 1 North Construction					
Preconstruction			\$ 19,720	19,720	100.0%
Burkhardt Construction			\$ 3,598,144	3,169,654	88.1%
Street Light Conversion			\$ 26,273	28,753	109.4%
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	176,957	76.8%
	\$ 4,210,000	\$ 4,390,000	\$ 4,738,241	\$ 4,198,018	88.6%
Phase 1 South Construction					
Preconstruction			\$ 22,200	22,200	100.0%
Whiting Turner Construction			\$ 4,450,977	3,876,929	87.1%
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	1,289,694	93.9%
Construction Engineering (KH)			\$ 283,880	252,899	89.1%
	\$ 6,800,000	\$ 6,830,000	\$ 6,291,610	\$ 5,602,082	89.0%
Easement Recording Fees			\$ 347	\$ 665	
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	\$ 11,413,515	90.3%

Underground Utility Project Budget
Phase 2 Project Costs
February 28, 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	\$ 318,585	95.0%
Task 1.3 Permitting Assistance North and South			\$ 12,674	\$ 11,407	90.0%
Task 1.4 Bid Phase Assistance North and South			\$ 40,565	\$ 32,842	81.0%
Task 1.6 Meetings North and South			\$ 136,617	\$ 90,357	66.1%
Total Phase 2 Design	\$ 735,000	\$ 780,000	\$ 806,513	\$ 734,494	91.1%
Construction Costs					
Phase 2 North Construction					
Preconstruction			\$ 35,000	31,970	91.3%
Burkhardt Construction			\$ 4,015,865	831,500	20.7%
Approved Change Orders			\$ -		
FPL Design Cost			\$ 11,759	1,350	11.5%
ATT Design Cost			\$ 5,000		0.0%
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, AT&T)				\$ 64,472	
Street Light Conversion			\$ 19,186	\$ 19,186	
Construction Engineering (KH)			\$ 248,121	\$ 73,919	29.8%
Total Phase 2 North Construction	3,800,000	4,000,000	\$ 4,334,931	\$ 1,026,979	0.0%
Phase 2 South Construction	-				
Preconstruction			\$ 35,000	-	
Whiting Turner Construction					
Approved Change Orders			\$ -		
FPL Design Cost			\$ 13,330	14,200	106.5%
ATT Design Cost			\$ 5,000		
Comcast Design Cost				\$ 4,582	
Utility Costs (FPL, Comcast, AT&T)				\$ -	
Street Light Conversion				\$ 19,268	
Construction Engineering (KH)					
Total Phase 2 South Construction	4,435,000	4,730,000	\$ 53,330	\$ 38,050	71.3%
Easement Acquisition	200,000	200,000			
<i>Kimley Horn Easement Assistance</i>					
Task 1.5 Easement Assistance North			\$ 64,936	\$ 64,192	98.9%
Task 1.5 Easement Assistance South			\$ 77,466	\$ 74,110	95.7%
<i>Surveys</i>					
Task 1.7 Legal Sketch North			\$ 14,020	\$ 13,818	98.6%
Task 1.7 Legal Sketch South			\$ 16,725	\$ 12,339	73.8%
Advertising				\$ 1,101	
Jones Foster - Legal			\$ 25,000	\$ 265	1.1%
American Acquisition Group			\$ -		
Temp Services			\$ 5,000		0.0%
Recording Costs			\$ 3,605	\$ 2,283	63.3%
Total Easement Acquisition Costs	200,000	200,000	\$ 206,752	\$ 168,107	81.3%
Total Phase 2 Costs	\$9,170,000	\$9,710,000	\$ 5,401,525	\$ 1,967,630	36.4%

Underground Utility Project Budget
Phase 3 Project Costs
February 28, 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	\$ 168,113	58.2%
Task 1.2 Phase 3 South Design	\$ 535,000	\$ 580,000	\$ 503,260	\$ 267,477	53.1%
Task 1.3 Permitting Assistance			\$ 13,739		0.0%
Task 1.4 Bid Phase Assistance			\$ 36,834		0.0%
Task 1.5 Meetings			\$ 101,652	\$ 9,722	9.6%
Deductive Change Order (Scope Change)			\$ (49,840)		0.0%
Total Phase 3 Design	\$ 860,000	\$ 930,000	\$ 894,496	\$ 445,313	49.8%
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					
Comcast Design Cost					
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	\$ 357,810	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					
Comcast Design Cost					
Construction Engineering (KH)					
Total Phase 3 South Construction	\$ 6,090,000	\$ 6,320,000	\$ 11,359	\$ -	0.0%
Easement Acquisition	\$ 260,000	\$ 260,000			
<i>Kimley Horn Easement Assistance</i>					
Task 1 Easement Assistance North and South			\$ 235,953	\$ 79,795	33.8%
<i>Surveys</i>					
Task Legal Sketch South			\$ 37,436		
Jones Foster - Legal			\$ 25,000		
American Acquisition Group					
Temp Services			\$ 5,000		
Recording Costs				\$ 77	
Total Easement Acquisition Costs	\$ 260,000	\$ 260,000	\$ 303,389	\$ 79,872	26.3%
Total Phase 3 Costs	\$ 10,910,000	\$ 11,360,000	\$ 1,222,094	\$ 882,995	72.3%

Underground Utility Project Budget
Phase 4 Project Costs
February 28, 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	\$ 109,311	35.0%
Task 1.2 Phase 4 South Design	\$ 413,000	\$ 435,000	\$ 451,284	\$ 157,949	35.0%
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	\$ 3,142	4.0%
Total Phase 4 Design	\$ 815,000	\$ 870,000	\$ 893,879	\$ 270,402	30.3%
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					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 North Construction	\$ 4,605,000	\$ 4,820,000	\$ 12,757	\$ -	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					
Comcast Design Cost					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 4 South Construction	\$ 4,710,000	\$ 4,980,000	\$ 13,160	\$ -	0.0%
Easement Acquisition	\$ 240,000	\$ 240,000			
<i>Kimley Horn Easement Assistance</i>					
Easement Assistance (KH)			\$ 280,270	\$ 2,965	1.1%
Easement Assistance (KH) -- Switches			\$ 62,780		
<i>Surveys</i>					
Legal Sketch			\$ 38,230		
Legal Sketch - Switches			\$ 4,967		
Jones Foster - Legal					
American Acquisition Group					
Temp Services					
Recording Costs				\$ -	
Total Easement Acquisition Costs	\$ 240,000	\$ 240,000	\$ 386,247	\$ 2,965	0.8%
Total Phase 4 Costs	\$ 10,370,000	\$ 10,910,000	\$ 1,306,043	\$ 273,367	20.9%

Underground Utility Project Budget
Phase 5 Project Costs
February 28, 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		0.0%
Task 1.2 Phase 5 South Design	\$ 600,000	\$ 640,000	\$ 606,951	\$ 6,070	0.0%
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	\$ 252	0.0%
Task 1.6 Meetings South					0.0%
Total Phase 5 Design	\$ 1,120,000	\$ 1,200,000	\$ 1,194,071	\$ 6,322	0.0%
Construction Costs					
Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 5 North Construction	\$ 5,890,000	\$ 6,200,000	\$ -	\$ -	0.0%
Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000			
Preconstruction					
Construction					
Utility Costs (FPL, Comcast, AT&T)					
Construction Engineering (KH)					
Total Phase 5 South Construction	\$ 6,750,000	\$ 7,120,000	\$ -	\$ -	0.0%
Easement Acquisition	\$ 330,000	\$ 330,000			
<i>Kimley Horn Easement Assistance</i>					
<i>Easement Assistance</i>			\$ 218,600		
Easement Assistance			\$ 75,696	\$ 250	
<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	\$ 6,649	0.4%

Underground Utility Project Budget
Other Project Costs
February 28, 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	\$ 542,856	
Total Other Project Costs	\$ 3,680,414	\$ 2,434,002	66.1%

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	\$ 295,731	84.2%
Project Construction Engineering	\$ 11,607	\$ 10,562	91.0%
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	\$ 461,168	87.7%
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		\$ 430,433	
PBT Real Estate v TPB		\$ 124,403	
Gardner, Bist Bowden, Bush (Shel Wright)		\$ 24,529	
Project Manager -Pay and benefits	\$ 265,000	\$ 222,245	83.9%
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	\$ 1,568,006	168.8%

U.S. Rate Forecasts

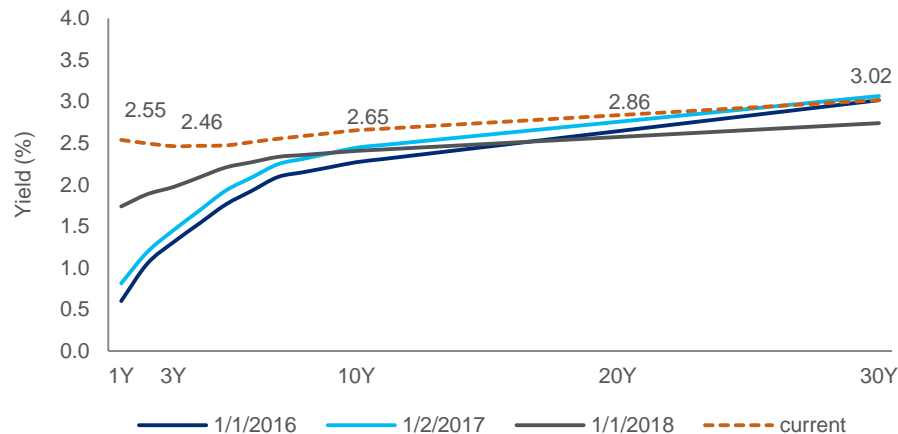
10-Year Treasury Yield Forecast

Citi forecasts a relatively flat interest rate environment through 2019, while the street's view is slightly more upward sloping



US Treasury Yield Curve

The US Treasury curve bull steepened over the past week



Rate Forecasts

5-Year Treasury	Current	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20
Citi's Forecast	2.47%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%

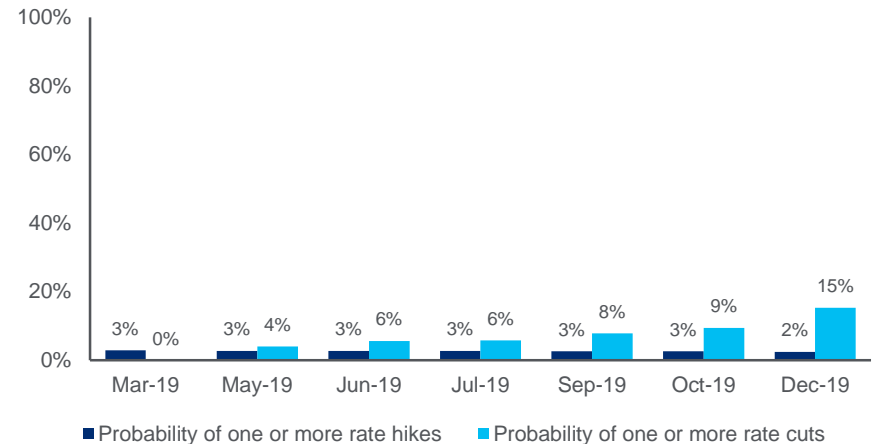
10-Year Treasury	Current	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20
Citi's Forecast	2.65%	2.85%	2.85%	2.85%	2.85%	2.85%	2.85%
Economists' Consensus		2.80%	2.91%	3.00%	3.00%	3.00%	3.05%

30-Year Treasury	Current	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20
Citi's Forecast	3.02%	3.05%	3.05%	3.05%	3.05%	3.05%	3.05%
Economists' Consensus		3.10%	3.17%	3.25%	3.30%	3.34%	3.36%

Fed Funds	Current	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20
Citi's Forecast	2.50%	2.50%	2.75%	3.00%	3.00%	3.00%	3.00%
Economists' Consensus		2.50%	2.75%	2.75%	2.75%	2.75%	2.75%

Expectations of Next Fed Increase in Rates

After the December 2018 rate hike and subsequent stock market sell-off, the market is pricing lower implied probabilities of further rate hikes in 2019



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



ATT's Proposed Coverage/Service Improvements for the Town of Palm Beach

March 29, 2019

Timeline

July 2018

ATT vacated their wireless tower atop a Port of Palm Beach building prior to a replacement tower being erected. ATT operated from a low height mast on a Cell on Wheels (COW) at the Port which impacted coverage levels in the north end of Town.

September 2018

Town staff tasked to advocate for improved wireless service.
Meetings were held with ATT & Verizon.

December 2018

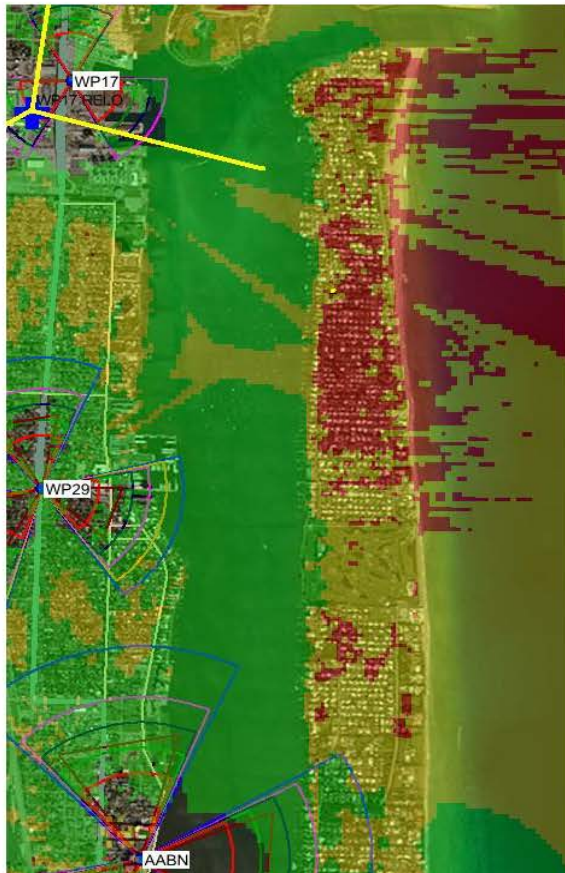
Verizon services were determined satisfactory.
ATT redeployed radios from the temporary Cell on Wheels (COW) at the Port of Palm Beach to a new permanent cell tower at the Port. The new tower's antennas and height restored as much coverage in the north end of Town as possible (per ATT) from the macro site at the Port of Palm Beach.

February 2019

ATT activated a temporary COW in the Town's Palmo Way park area to further improve mobility services in the north end of Town. Lease expires June 2019.

March 2019

ATT proposes a permanent solution for Palmo Way and 10 other locations throughout the Town to improve the service levels.



Before 12-1-2018



After 12-1-2018

Predicted coverage aligned to IQI (phones reporting) data, Green = strong signal, Yellow = marginal signal, and Red = poor signal.

This image shows the difference of AT&T Mobility service level in the north end of Town before and after Dec 1, 2018. According to ATT, coverage levels in the north end of Town are what they were before the forced relocation at the Port of Palm Beach. Subscriber services on the Island from July 2018 to Dec 1 were attenuated due to the distance from the serving site (Port of Palm Beach), thickness of the foliage and density of home construction on the Island. Diagram represents outdoor coverage.



Feb 28, 2019



After COW at pump station on Palmo Way



Before COW at pump station on Palmo Way

This is a general representation of AT&T Mobility's cellular network coverage to indoor service levels, with and without the addition of a temporary Cell on Wheels (COW) located at the pump station on Palmo Way. The COW radios, antenna, and pole height (tree-top level) are what AT&T is proposing as coverage/service improvements to the Town of Palm Beach, in lieu of tall cellular towers that would otherwise be required to wide-area coverage/service improvement. These prediction plots have been tuned to actual/measured data on the street, but it is not intended to be a representation of service level at any specific pixel/house in the map view.

The indoor coverage/service color code is; Green = strong coverage/service, Yellow = light coverage/service, and Red = low coverage/service.

GCB

Diagrams represents a model of predicted indoor coverage.

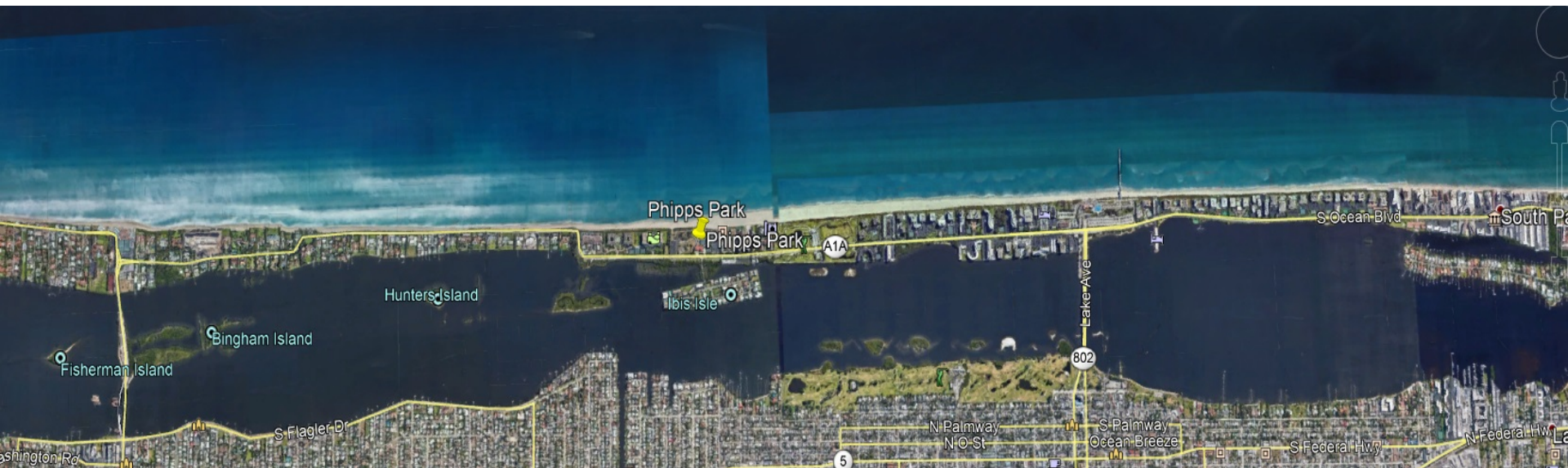
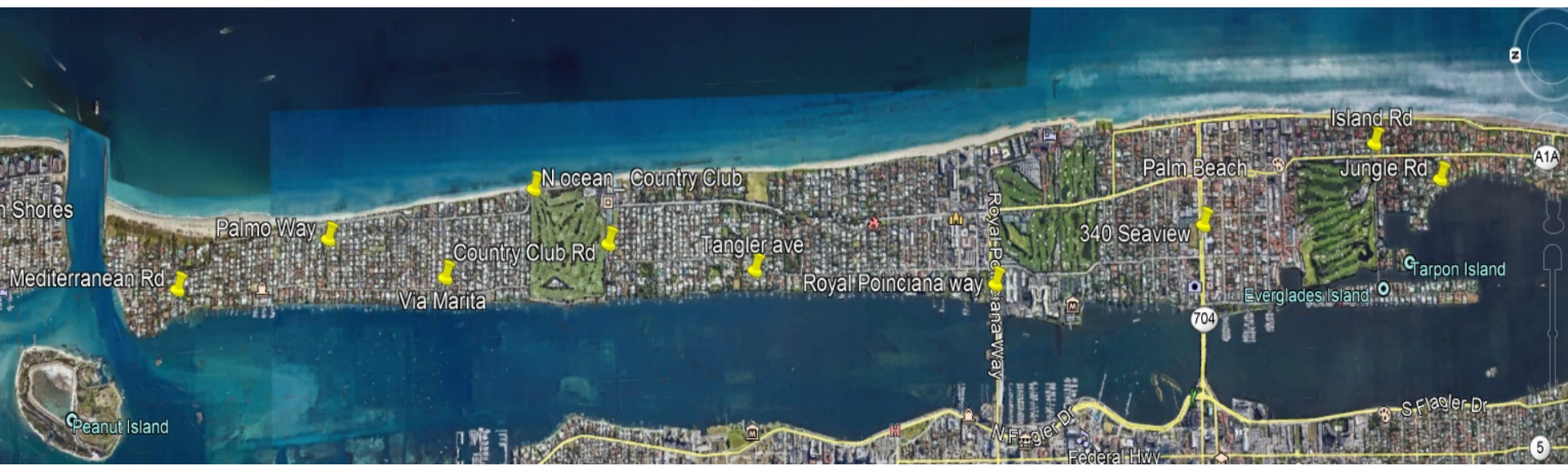
Proposed Small Cell Sites

- The following is table of locations ATT recommends for coverage/service improvement to the Town at this time. The top 9 are ranked in terms of coverage improvement needed based on real network coverage/performance data. The last two are for capacity offload and throughput improvement.

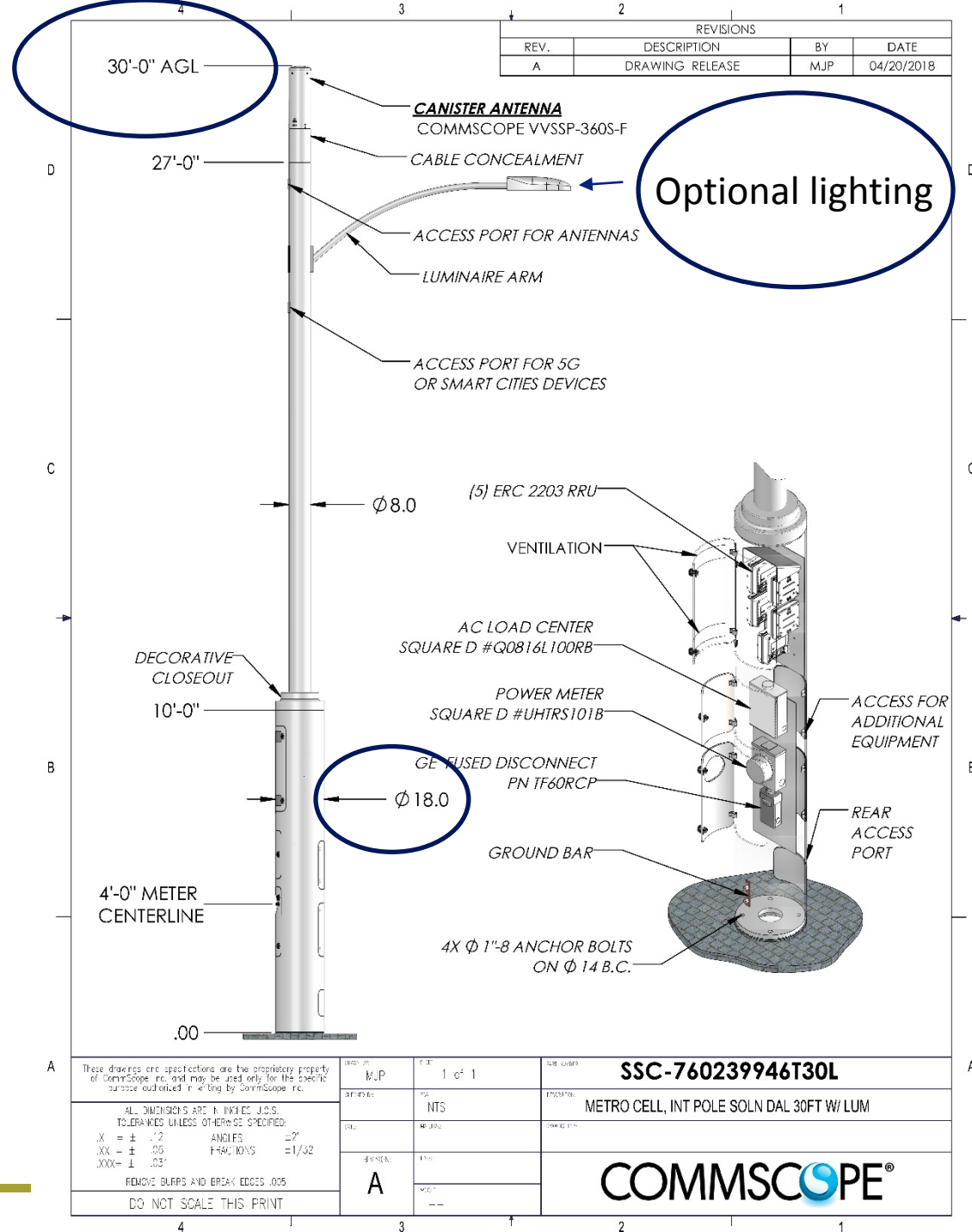
Priority	General location, prefixed with pump station guide locator reference where applicable	Latitude	Longitude
1	D2 (Palmo Way)	26.75823	-80.03857
2	A39 (Phipps Park / South Fire Station)	26.63962	-80.03853
3	N Ocean Blvd. ROW, at NE perimeter of Palm Beach Country Club	26.74586	-80.03629
4	D8 (Country Club Rd.)	26.74148	-80.03956
5	D10 (Via Marita)	26.75127	-80.04104
6	D16 (Jungle Rd.)	26.69147	-80.03811
7	A7 (Island Rd.)	26.6953	-80.03593
8	D3 (Tangler Ave)	26.73276	-80.04143
9	D9 (Mediterranean Rd.)	26.76727	-80.04099
10	340 Seaview Ave, SW corner of property or in the adjacent ROW	26.70582	-80.040064
11	A5 (Royal Poinciana Way)	26.71842	-80.04284

Note: All are town infrastructure locations except #3 (ROW NE PBCC) and #10 (Recreation Center Parcel or within adjacent Royal Palm ROW.)

Proposed Small Cell Sites



Small Cell Pole Specifications



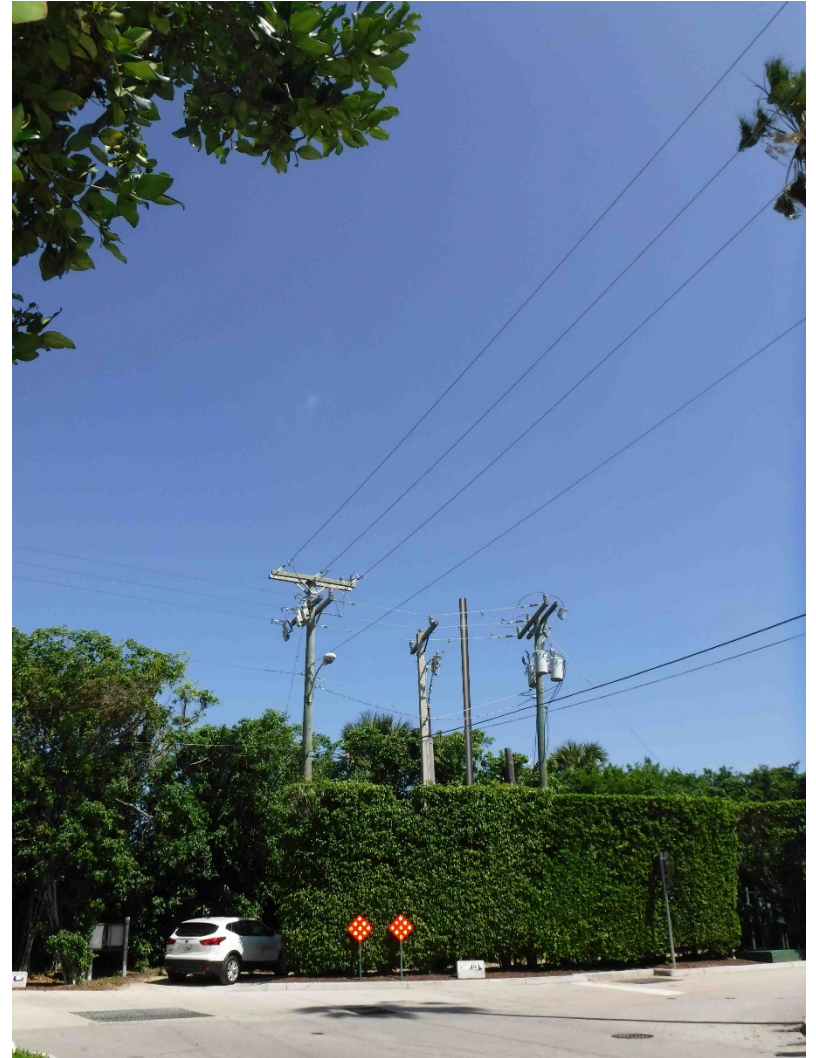


Renderings of ATT Small Cell Antennae at 11 Selected Locations

Palmo Way (D2) & South Fire Station



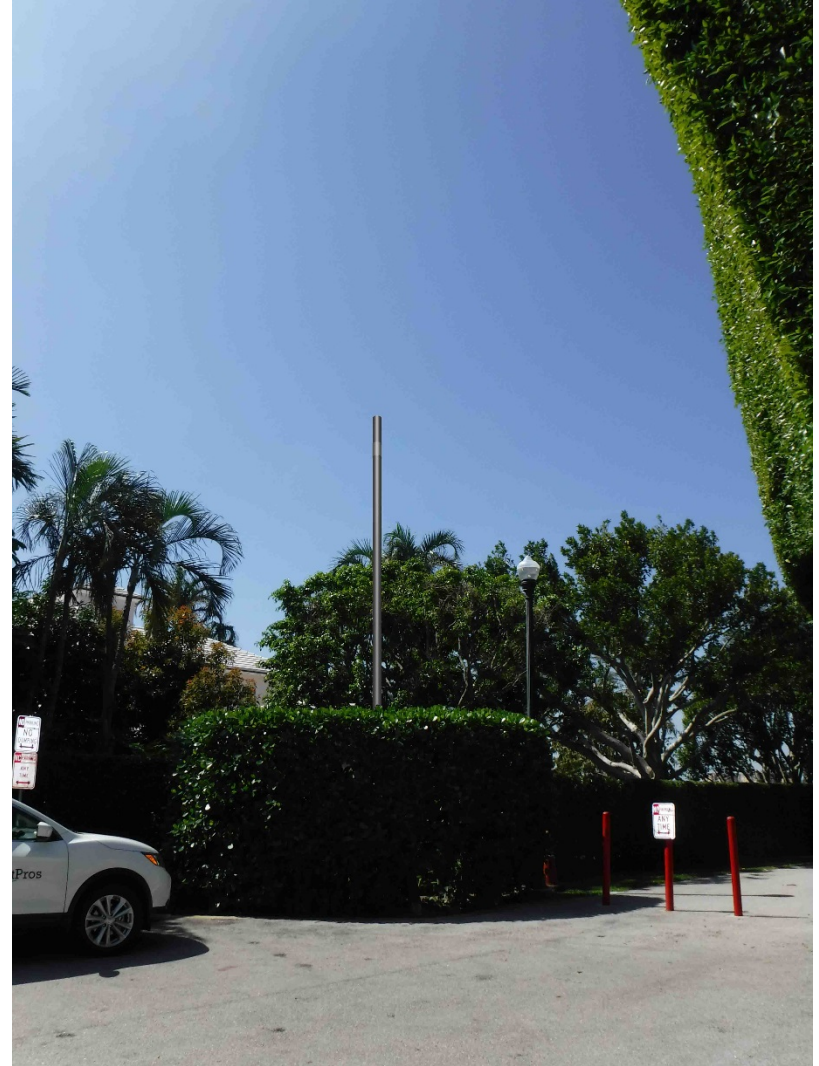
N Ocean Blvd ROW NE of PBCC & CC Road (D8)



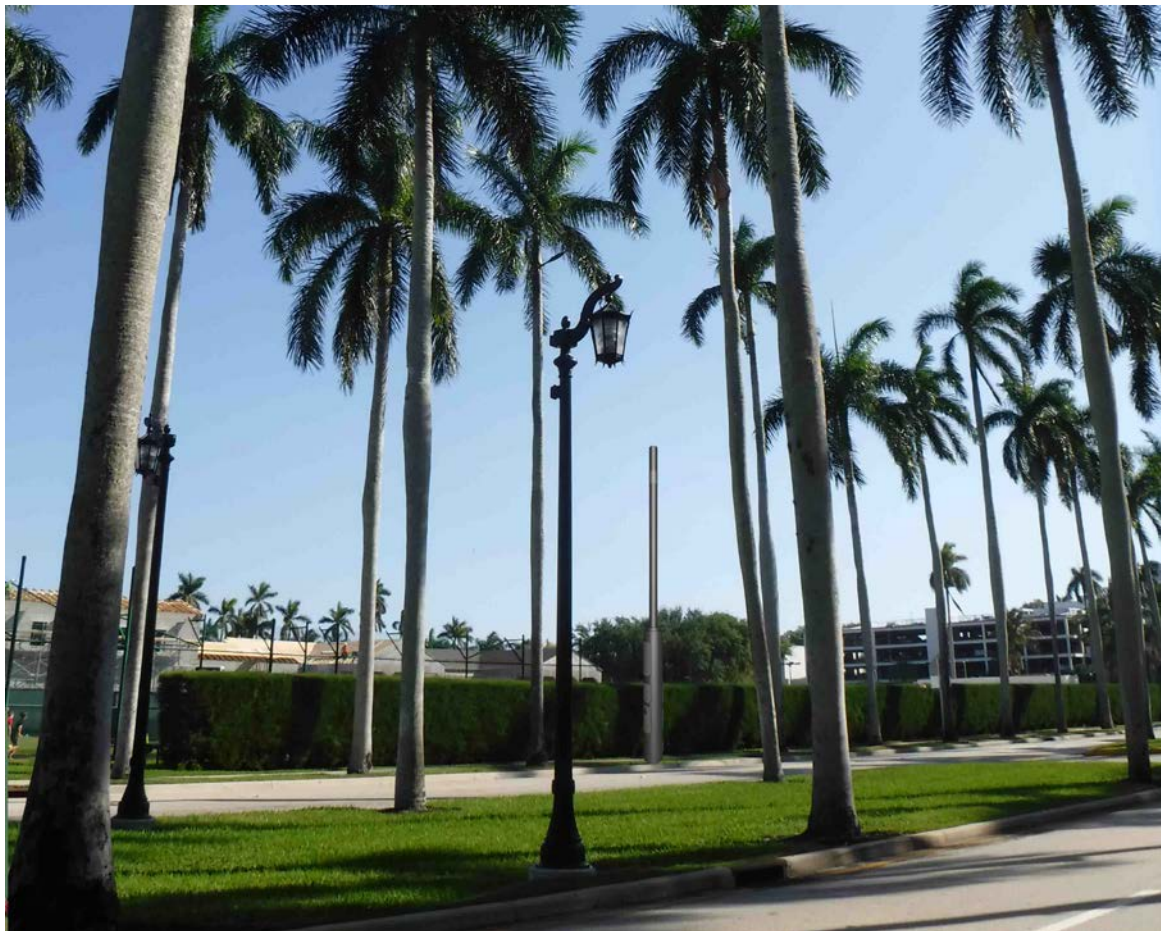
Via Marita (D10) & Jungle Road (D16)



Island Road (A7) & Tangler Ave (D3)



Mediterranean Rd (D9) & 340 Seaview Ave



Royal Poinciana Way (A5)





Questions?

Next Steps for Staff?
