

GOAA DATE 4/19/2023  
ITEM NO. 6.A  
DOCUMENTARY # 101003

**CONTRACT DOCUMENTS**  
INCLUDING CONSTRUCTION SPECIFICATIONS

for

**BP-S00199, TRAIN STATION PDL  
PARKING LOTS (D/B)**

**VOLUME 1 of 2  
ENVELOPE A**

**ORLANDO INTERNATIONAL AIRPORT**

Orlando, Florida 32827



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**GREATER ORLANDO AVIATION AUTHORITY**

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Proposal Package BP-S00199

# Train Station PDL Parking Lots D/B

at Orlando International Airport

Technical | Envelope A

Proposal Package No. BP-S00199

MARCH 14, 2023







## The Right Team Partnership for GOAA

The Middlesex Corporation (Middlesex) and C&S Engineers, Inc. (C&S) welcome the opportunity to again partner with the Greater Orlando Aviation Authority on another important project that continues the Authority's ongoing efforts *in delivering the Orlando Experience for their customers; a commitment we share and have demonstrated over numerous past customer-facing projects.*

Our Team looks forward to the challenges of this fast-paced project, with its aggressive schedule. We are fully prepared to commit the resources needed and develop solutions to open *Parking Lot B in 120-days, Lot A in 128-days, and Lot C in 144-days* – while also maximizing the number of parking spaces and meeting GOAA and the City of Orlando's standards. In fact, we have developed additional Value Engineered alternates *beyond the scope of this RFP* that we feel can also be delivered to GOAA economically. We would appreciate the opportunity to discuss these with you.

As you read through our technical proposal you will see a clear plan for executing design and construction that is mindful of the MCO Master Plan provided on the GOAA web site to build out a hotel, parking garage, and new Terminal D within the footprint of these proposed parking lots. Our Team is thoroughly familiar with GOAA's processes, we know the right people to deal with to move work forward, and simply put – *we know how GOAA likes things done.*

We organized our Technical Proposal per the scoring categories provided in the RFP. Subsections have been added under each category to provide information requested in other areas of the "Instructions to Proposers" that we believe provides information important to the Authorities decision making process.

The structure of The Middlesex Corporation (the proposing entity) and our team members has not changed, and each is fully described in our prior Statement of Qualifications. The Middlesex Corporation's State of Florida Construction License remains current (as provided in our prior Statement of Qualifications). Our corporate seal is affixed below, as required.

Thank you for the opportunity to submit a proposal for your important project.

**Design-BUILDER:**  
**The Middlesex Corporation**

**Design Lead:**  
**C&S Engineers, Inc.**

Contact:

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Sincerely,

David Socci  
Sr. Vice President Preconstruction  
The Middlesex Corporation



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# 1 PART 1: PROJECT APPROACH

## 1.1 QUALIFICATIONS and PROPOSED APPROACH

### Partnering to Deliver Success:

The Middlesex Corporation (Middlesex) and C&S Engineers, Inc. (C&S) have partnered and are committed to making this job a success for our highly valued client – the Greater Orlando Aviation Authority (GOAA). Both members of the Team bring years of experience designing and constructing projects at Orlando International Airport and Orlando Executive Airport. Many of these projects have the same features as the BP-S00199 Train Station Passenger Drop-Off Lobby Parking Lots project. It is with this mutual, in-depth experience and collaborative and professional spirit that our two companies are partnering. We are confident that we can again deliver superior design and construction quality.

Middlesex and C&S are also committed to GOAA's goals of 15% MWBE and 5% LDB/VBE participation. C&S will be supported by the following design subconsultants who have worked on similar projects, have experience working with GOAA facilities, and have worked with C&S:

- **Tierra, Inc. (MBE)** - Geotechnical Engineering  
*Recently completed an on-call contract with GOAA to provide QC services*
- **American Infrastructure Development, Inc. (AID) (MBE)** - Drainage and pavement engineering. *Performing a continuing civil engineering services consultant at GOAA*
- **Coyle & Caron (MBE)** - Landscape architecture.  
*Previously worked on the New Hangar Development, Phase 1 project at GOAA*



- **Optimal Point Solutions (LDB)** - Design topographic survey.  
*Previously performed surveying for the new South Terminal C*
- **RGD Consulting Engineers (VDB)** - Structural engineering

Middlesex has retained the following subcontractor and has a clear plan to identify, solicit, and subcontract with local MWBE/LVB firms throughout the pricing phase:

- **Tierra, Inc. (MBE)** - Construction QC services  
*Recently completed an on-call contract at GOAA*

## Our Approach Translates to Exceeding GOAA's Goals

Our approach to delivering this project is based on our in-depth understanding and experience with the key technical issues of this project. And because both companies have extensive history working with GOAA, our approach is also rooted in the principles of GOAA's delivery methodology. As well, we are also familiar with all of the personnel at GOAA.

Here are some key features that demonstrate our Team's ability to meet GOAA's goals:

- Prior construction of **4 parking lot projects** at Orlando International Airport
- Prior experience working in active airports
- **88+** combined years of airport experience at GOAA and airports across the country
- Extensive experience with FDOT and FDOT Aviation for over 10 years
- Extensive **design-build experience**
- Middlesex - \$2B in value over 19 projects; \$580M and 10 projects for FDOT
- C&S - 40 projects with \$3.4M in design fees; \$85.4M in construction value over 5 years
- **60-acre laydown yard** only minutes away, at Cosmonaut Blvd. (Middlesex owned)
- **State-of-the-art asphalt production facility** (Middlesex owned) located minutes from MCO on Cosmonaut Blvd - enabling self-performance for all paving. Single largest manufacturing facility in the Southeast producing over 1M tons of asphalt each year.
- **Local firms/local resources:** 500 construction staff and 25 design staff
- Partnering approach (with each other and GOAA) to manage projects

### Ahead of Schedule

Our experience will **deliver early opening** and potential parking revenue

**Lot B – 80 Days Early = \$203,200**

**Lot A – 72 Days Early = \$174,240**

**Lot C – 60 Days Early = \$288,960**

**Total = \$666,400**

**(Based on \$10/day/ space)**

## 1.1.1 DESIGN APPROACH

1.1.1

### 1.1.1.A General Design Approach

C&S knows GOAA expectations on design projects and our team is here to be a partner with GOAA to design this important Parking Lot Project. On the day following selection of this Team, we recommend that our team and GOAA meet to determine if any modifications should be made to our presented parking lots A, B and C-2 layouts that are included in Appendix 4.2. We will also begin design immediately with our current model files and survey information, allowing our Team to meet the aggressive schedule. Our design approach is further detailed below and includes items we believe can potentially build upon the GOAA Experience.



- **Early Works Packages for Procurement of Long Lead Items**

Our team will review long lead items with all subcontractors and accelerate their procurement. Currently, it is assumed that many of the electrical components required will need to be procured as soon as possible to meet the schedule.

- **Early Works Packages for Design**

**C&S will begin design immediately after bid opening, at risk to accelerate the design start up.** The critical path will be the development of grading and stormwater requirements in order to submit and obtain a South Florida Water Management District (SFWMD) permit and obtain a NPDES permit. Our team would develop erosion, site preparation, demolition and earthwork / rough grading plans so Middlesex could begin construction prior to obtaining the SFWMD permits as part of an Early Works package.

- **Design Modifications to the Design Criteria Package**

In reviewing the design criteria package, our team has provided the following modifications/improvements:

- **Parking Space Size** - The parking space size has been increased by 0.5' for each space. After reviewing the GOAA EDC and City of Orlando Land Development Code, our team believes the required minimum design for parking space size is 9' x 18.5'. Currently in the design criteria package the parking space is 8.5' x 18.5'.
  - There is discussion in GOAA-EDC – 43b, Parking Guidelines that allows the use of a width of 8.5' for low turnover parking lots. The City of Orlando Land Development Code section 61.309.C, referenced in Division 32, states:  
“Low Turnover Parking Spaces. Low turnover parking spaces shall have a minimum width of **8-feet 6-inches** and a minimum depth of 18-feet 6-inches. A maximum of 20% of the total spaces in a garage or parking lot may be designated as low turnover. Low turnover parking spaces shall be placed generally in the parking facility at locations that are furthest from the entrance and not designed for visitor or customer use. Low turnover spaces are only intended to serve employees or residents of the non-residential or residential land use served by the parking garage.”
  - This change removes approximately 1 space for every 18 spaces as depicted in the RFP. If GOAA determines the narrow space may be provided, we can add about 5% or 30 more parking spaces across Lots A and B. We are assuming that Lot C-2 was not assumed to be low turnover as the spots are already 9 feet wide in the DCP.
- **Landscaping** - Additional landscaping will be added to ensure compliance with GOAA design, along with the City of Orlando, Code Ordinances, Chapter 61 – Roadway Design and Access Management, and 3B – Landscaping for Parking Lots and Garages.
  - The current layout did not allow for intermediate landscaping areas.
- **Lot C** - For Lot C, Lot C-1 and C-2 have been modified.
  - Lot C-1 has been eliminated due to Addendum No. 03 stating the proposed alignment of SB Jeff Fuqua Boulevard makes this lot not a viable option.
  - Lot C-2 has been modified to avoid the proposed alignment of SB Jeff Fuqua Boulevard.
- **Post-Bid Value Engineering Opportunities** - Our team developed Post-Bid Value Engineering Opportunities, as shown in Section 1.3. They are not included in our current design or construction costs but allow for innovative ways to gain additional parking spaces.



- **Technical Challenges/Solutions**

As in any fast-paced project, technical challenges will arise. **Our team is ready**, for example we have added Quality Cable Contractors Inc. for low voltage construction work scopes. Two specific items stand out:

- **Lot C layout**

- Lots C-1 and C-2, as shown in the Design Criteria Package, both have challenges with the proposed alignment of SB Jeff Fuqua Boulevard. **Our team has evaluated these lots and provided a revised Lot C-2 layout that avoids the future alignment of SB Jeff Fuqua Boulevard.**
- We are confident that our team can coordinate with GOAA after the project is awarded to increase the number of spaces to ensure GOAA's ultimate goals are achieved.

- **Stormwater Management**

The stormwater management design will require a modification to the existing SFWMD permit. The latest permit is 48-00063-S and application number 140327-1. The project in this permit increased the ponds to accommodate future development but SFWMD will likely require additional dry retention. See excerpt below from Section 4.2.2(a), of Environmental Resource Permit Applicant's Handbook, Volume II of SFWMD:

- Commercial zoned projects shall provide at least one-half inch of dry detention or retention pre-treatment as part of the required retention / detention, unless reasonable assurances can be offered that hazardous materials will not enter the project's surface water management system. Such assurances include, for example, deed restrictions on property planned for re-sale, type of occupancy, recorded lease agreements, local government restrictive codes, ordinances, licenses, and separate containment systems designed to prevent discharge.

Stormwater designs will need to be fully vetted and re-submitted to GOAA for review and then to SFWMD for concurrence.

- **Permits**

Obtaining Permits quickly will be required in order to meet the tight schedule. We anticipate the following permits will be required:

- Stormwater, SFWMD
- NPDES, EPA
- Electrical Permit, City of Orlando
- Horizontal Permit, GOAA

Our dedicated electrical subcontractor TSI has a strong relationship with the City of Orlando's inspection services and has been successful in obtaining electrical permits with component plan sets and mitigating schedule impacts from the typical requirement to have 100% RFC plans for all work. **Together, Middlesex and TSI have completed 9 projects for GOAA.**

Past experience has found a building permit is required for the canopies, although not indicated in Q&A 8, Addendum 3. We plan to fast-track the canopy design, including foundations, to obtain a City of Orlando Building permit if needed.

- **Technical Review Team**

GOAA requires design documentation and reviews at the 60%, 95% and final design levels. Our team will request a kickoff meeting at the beginning of the project, and other meetings as needed, to ensure we are providing all required information to GOAA. We will recommend that we submit design documents and then perform a plan flip through the entire set to discuss in detail with GOAA. This will allow us to continue design while obtaining GOAA comments. We



will also recommend, based upon our previous design build experience and in an effort to accommodate the tight delivery schedule, that only two deliverables be required as the design can be reviewed throughout the process with GOAA. This will allow a more streamlined design phase to support opening the parking lots early.

### 1.1.1.B Design Start-up

Prior to the contract award with GOAA, our Team will ensure that the scope of work for all of our design consultants has been established. This will allow us to begin design work on day one – instead of waiting for administrative paperwork. On the first day of work our team will begin the following items:

- Verifying the survey
- Geotechnical investigations
- Records research
- Setting up a SFWMD pre-application meeting
- Setting up a design kickoff meeting with GOAA

### 1.1.1.C Design Scope/Features and Benefits

Key aspects of our design are described below and shown in the attached figures in Appendix 4.2. It was our goal to meet the design criteria package requirements while still meeting all local codes, ordinances, and laws.

- **Parking Facility Design**

- **Base Bid** – Lot A, south of the Train Station and Passenger Drop-off Lobby (PDL) and Lot B, within the center of the Station Loop Road turnaround will have an impervious parking lot constructed. The southeast corner of Lot A was modified to eliminate the need for a retaining wall on the pond embankment.
  - Parking spaces provided in our current layout:  
**Lot A = 242   Lot B = 254**
- **Add Alternate 1** – Electric vehicle (EV) charging station infrastructure in Lots A and B
- **Add Alternate 2** – Lot C-2, on the west side of the Jeff Fuqua Boulevard at the Station Loop Road intersection will have an impervious parking lot constructed.
  - This layout was fully reviewed during the technical approach development and Lot C-1 was removed per Addendum No. 03. The configuration of Lot C-2 has been modified to avoid the future alignment of SB Jeff Fuqua Boulevard.
  - Parking spaces provided in our current layout:  
**Lot C-2 = 301**
- **Add Alternate 3** – EV charging station infrastructure in Lot C-2
- **2-way Flow & Max Spaces** - All parking lot aisles will be designed for two-way traffic flow and with a parking geometry that maximizes the number of parking spaces within the dimensions in accordance with GOAA Parking Guidelines.
- **Rail Tracks near Lot A** - Lot A will be designed to avoid the existing embankment adjacent to the Brightline rail tracks.
- **Entry & Exit Points** – A single entry and single exit point will be designed on the north side of each lot. All entry and exit lanes will be gate-controlled with pole-mounted access control readers and overhead transponder readers.
- **Turnouts** - Entry lanes to all lots will be designed with a turnout to avoid trapped vehicles and backing maneuvers.



- **Shared Use Path** – A realigned shared-use path will be designed around the southern and western edges of Parking Lot A, with construction requirements for a slab thickness of 6-inches and a minimum width of 10 feet.
- **Lot C Bus Loop** – A bus loop, which accommodate the turning maneuvers of a small shuttle bus and loading area with canopy will be designed in Lot C-2.
- **Lot C Sidewalk** - A 5-foot-wide concrete sidewalk with 4-inch slab thickness will be designed to connect Lot C-2 to the PDL and Train Station along Station Loop Road.
- **Curbing** – The design will provide for curbing to surround the entire facility and all landscaping areas.
- **Fire Hydrants** – The design will provide fire hydrants within each lot. It is currently assumed a meter will be required for each separate connection from OUC.
- **Parking Lot Pavement Section** – The design will specify for 1.5" of FDOT Type SP 12.5 as a surface coarse throughout, with an additional 1.5" of FDOT Type SP 12.5 in the Bus lanes/Loop beneath the surface coarse. This will simplify paving with installation of an initial 1.5" lift in the bus lanes/loops followed by a 1.5" lift across the entire parking lot. This mix type is also less susceptible to supply chain issues.
  - See Figure 5 in Appendix 4.2 for typical pavement sections.
- **Stormwater Management**
  - **Stormwater Facilities** - The stormwater management facilities for the site will be designed in accordance with the MCO Master Plan.
  - **Stormwater Calculations** - Stormwater calculations and documentation will be prepared for the site and submitted to GOAA for their review and records.
  - **Stormwater Permits or Exemptions** - Any necessary stormwater regulatory permits or exemptions for stormwater permits will be obtained through SFWMD. We will coordinate with GOAA and the SFWMD to facilitate obtaining the environmental permit modifications.
  - **Stormwater Pipe** - Stormwater systems will be designed for HDPE pipe, which is readily available compared to concrete pipe that is affected by supply change issues. **HDPE pipe was approved by GOAA for the Heintzelman RAC Storage project, constructed by Middlesex.**
- **Pavement Markings**
  - **Pavement Markings** - Design of pavement markings will be defined in accordance with the GOAA Parking Guidelines and the Manual on Uniform Traffic Control Devices (MUTCD). All paint will be FDOT 710 waterborne paint.
- **Signage**
  - **Signage** - Traffic control, directional, and wayfinding signs will be developed in accordance with the GOAA Parking Guidelines, GOAA Signage Guidelines, Manual on Uniform Traffic Control Devices (MUTCD), and MCO Master Plan.
  - **Wayfinding Signage** – The Team will coordinate with GOAA on the scope of directional and wayfinding signage approaching and within each lot.
  - It is assumed these will be signs in the immediate vicinity of these lots.
- **Lighting**
  - **Facility lighting** will be designed to meet Division 26 56 00 Exterior lighting and meet The Illuminating Engineering Society (IES), IESNA LM-64, "Photometric Measurements of Parking Areas" light levels. It is assumed that the shared path will have similar requirements. **Power will be installed to a new circuit, avoiding connection to existing street light circuits which are the property of OUC.**
  - Lot B shall reuse the existing light poles by adding another light head where able.



- **Security and Access**

- **Fencing** – The design will call for a wire fence (six-foot, black vinyl coated, without barbed wire) to surround the entire perimeter of the lot if berms or other landscaping cannot be constructed to secure the parking lot.
- **CCTV** – CCTV is not required for this project per Addendum No. 03 and will not be included in the design.
- **Emergency Phones** - The design will specify emergency blue phones (totems) be installed in each lot. We are assuming two per lot for a total of 6.
- **AVI Transponders** – Our team will coordinate with TransCore and GOAA to design and install TransCore AVI transponder readers for access to/from the lots including gantry, communications, and power equipment. This coordination shall include a schedule to provide ample opportunity to procure and install the TransCore readers. We discussed the early package earlier in section 1.1.1A to procure long lead items.
- **Access System Integration** - The access system will be capable of integrating with existing GOAA and/or vendor software (e.g., SunPass Plus) and GOAA management card system.
- **Exit Gates** – The exit gates of all lots will have an intercom system and remote gate control that is integrated with GOAA's parking and communication systems.

- **Landscaping**

- **Impacts to Existing Landscape** – The design will make all efforts to minimize impacts to existing landscape trees and shrubs greater than or equal to 4" in diameter. If the design necessitates impacts to a tree greater than or equal to 4" in diameter, the Team will coordinate with GOAA on a desired relocation. Existing plantings will be removed and relocated if possible. Drought tolerant and native plants will be prioritized for new plantings.
- **Landscape Installation** – The design will include substantial landscaping to be installed to sufficiently screen the lots from public view, in coordination with GOAA. The landscape design will also follow all irrigation guidelines as specified in the GOAA Master Design Guidelines. Middlesex has worked with GOAA Maintenance and Maintenance subcontractors on numerous projects to connect to the existing irrigation system. Our team will also use excess material to construct berms to allow for additional screening of the lots from public view.
- **Islands** – Landscaping will also be designed for the parking lot islands, to comply with the City of Orlando requirements.

- **Electric Vehicle (EV) Charging Stations**

- **Add Alternate 1** – Electric vehicle (EV) charging station infrastructure in Lots A and B and **Add Alternate 3** – EV charging station infrastructure in Lot C
  - Install Infrastructure to accommodate twenty (20) Level 2 Chargers (nominal 7.2 kW) that are capable of charging one or two vehicles individually or in sequence from a single charger. There will be one charging stall to meet ADA compliance out of every 10 charging stalls.
- Coordinate with Orlando Utilities Commission (OUC) and GOAA on appropriate electrical tie-in locations and provide all necessary voltage transformation and overcurrent protection
- Provide network capabilities to allow public and airport staff to view charger status for available, in use, and off-line (Open Charge Point Protocol (OCPP) 1.6 or greater compatible)



- **Sustainability Approach**

- GOAA is clearly committed to sustainability, and it is essential that the selected team not only support these principles but work hard to advance them. Specific items that are team will implement are the following:
  - **Reuse of Existing Materials** - The existing onsite soils can be used to construct onsite berms that will aid in the screening of the parking lots to the public. Use GOAA stockpiled materials, from other projects, for stabilization.
  - **Electrical Design** - Consistent with standard GOAA procedures, all lights will be Light Emitting Diode (LED) for this project.
  - **Environmental Considerations for Equipment during Construction** - All construction equipment will be specified to meet and exceed environmental standards in terms of air emissions. Additionally, by enforcing idling restrictions, fuel usage will be reduced.
  - **Irrigation** – The new system will tie into the existing reclaimed water system.
  - **Recycled Materials** – New asphalt will include recycled product. A metal dumpster will be maintained on site. Concrete will be sent to Middlesex's facility at Cosmonaut Blvd for processing and reuse.

#### 1.1.1.D Future Project Accommodations

GOAA's Master Plan for MCO will necessitate the re-alignment of Jeff Fuqua Blvd in the near future, and replacement of the parking lots with a multi-story garage. See Figure 1 below. Parking Lot C-1 has been eliminated as it is not viable per Q&A #3, Addendum 3 and the configuration of Parking Lot C-2 has been modified. Use of existing drainage has been maximized to reduce throw-away work. Access control systems, lighting, and similar ITS/electrical infrastructure equipment has been selected that is commonly used at GOAA facilities so it may be re-used, promoting sustainability. Paving has been designed for the needed life cycle but with a mix design that is economical considering the future removal.

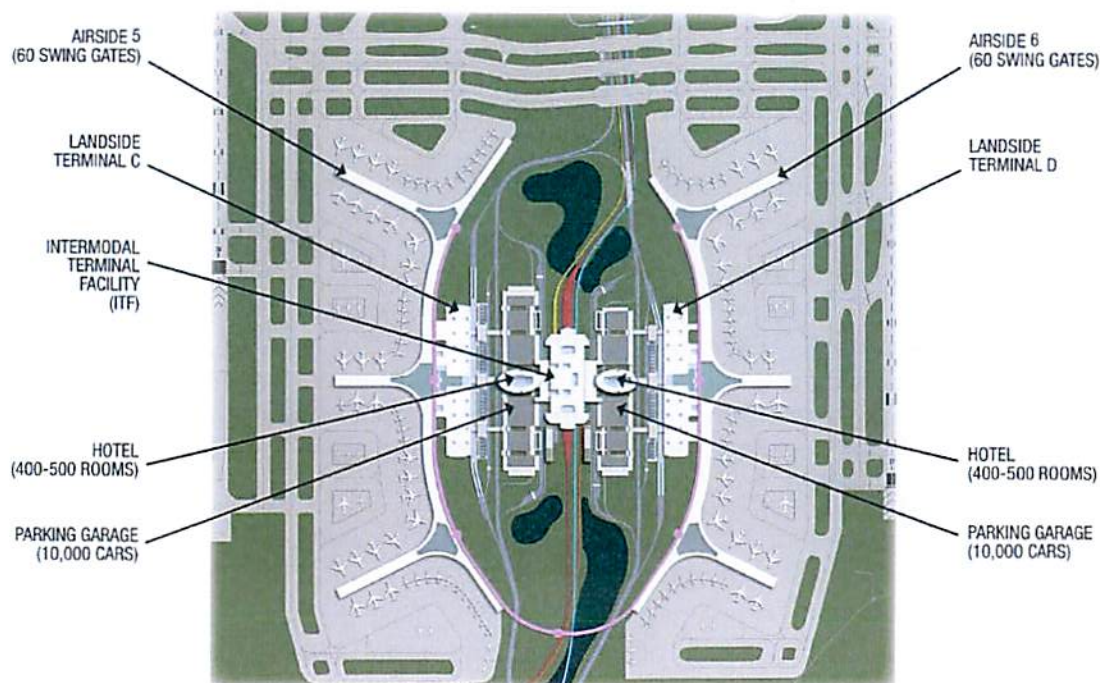


Fig. 1: GOAA's Master Plan for MCO



## 1.1.2 CONSTRUCTION APPROACH

Middlesex's approach to managing and constructing this project will be consistent with our previous projects at Orlando International Airport. **Cary Strzepek, Project Executive**, has executed numerous successful projects for GOAA and has been actively involved with the pursuit of this project. He will provide leadership and support to the Middlesex/C&S Team through the successful completion of the project. **Project Manager, Peter Donkor**, is responsible for construction activities and is committed to exceeding expectations in safety, quality, schedule, and budget, along with client and stakeholder satisfaction (as he has accomplished on previous projects). **Our Team will go above and beyond to partner with GOAA, the OAR, and project stakeholders to ensure that all goals and objectives are achieved.** Our approach to open and transparent communication promotes a teamwork environment and establishes the trust that is needed for the Team to be successful.

The level of detail put into Middlesex's planning efforts ensures all operations are performed safely, efficiently, and to the highest level of quality - with minimal impacts to travelers, GOAA's operations, and other businesses at the South Terminal Complex and through the airport. All work shifts will have full-time supervisors who have the experience and level of authority to make on-the-spot decisions. Middlesex also goes through a thorough interview process before selecting subcontractors. We ensure they are capable of meeting our commitments and requirements while maximizing opportunities for MWBE/LDB firms.

### 1.1.2.A SAFETY

- **Site Safety**

While overall safety is managed according to Middlesex's Corporate Health and Safety Manual; *conditions are unique on every site*, so a companion Site-Specific Health and Safety Plan will also be developed - *quickly and specifically for this project* - using site-specific safety plans we previously created for other GOAA projects. The site-specific safety program will focus on the key elements of communication and coordination. Our superintendents and safety personnel will communicate daily with all project contractors and stakeholders to ensure that all employees working on site have complete awareness of the on-going activities. Together these documents will address all potential safety hazards and how to handle them. They will be implemented shortly after receiving the Notice to Proceed (NTP).

- **Plan Elements, Job Hazard Analysis, and STOP Program**

A full time **Safety Manager, Jake Mayforth**, will be responsible for developing the Site-Specific Safety Management Plan. Key elements of the plan will be the Job Hazard Analysis (JHA) for each activity, daily huddles to review the day's work plans and applicable JHAs, and Middlesex's "STOP" program. The STOP program proactively engages team members through peer reviews of on-going operations and records both good and bad safety behaviors. Results are shared with those performing an activity and the rest of the team to encourage good safety behavior and eliminate bad habits.

#### *Our commitment to this and every project...*

##### **"Safety First in Everything We Do"**

Safety is Middlesex's top core value – and to prove it -- we've had **Zero Lost Time Accidents** in our SE operations for over the past 34 months (a total of 1,370,000 MH). Our strong safety program and proven track record provides safe construction zones for the Project Team, GOAA personnel, the traveling public (including pedestrians and bicyclists), and for workers in other active project sites nearby.



- **Safety – Incident/Near Miss Reporting**

Middlesex is already familiar with GOAA's Incident Reporting process/system. This process is taken a step further by Middlesex internal Near Miss Reporting process, which encourages all team members to report any near miss. Reported information is used to reinforce a positive safety culture: near misses are analyzed and discussed in the next daily huddle or briefing, and crews develop recommendations as a team to avoid another near-miss or incident. This approach has worked! Feedback and recommendations have resulted in reduced incidents.

- **Safety Coordination with Subcontractors and Vendors**

The Middlesex Safety Program is incorporated into all subcontractors' and vendors' subcontracts. If our Safety Program does not cover specific aspects of their work, they are required to submit a copy of their safety program for approval and incorporation into our project specific safety plan. As we start each shift with a stretch and flex routine prior to daily safety huddles – all subcontractors and vendors are expected to participate in the morning activity. Each subcontractor is also included in the JHA process and is subject to inspections, in the same manner as our Middlesex crews. These daily safety huddles and JHA reviews include an acknowledgement from each person that they fully understand the requirements of each work task, and the site safety limits under which they will be working.

- **Public and Pedestrian Safety**

To protect the safety of passers-by, motorists, and adjoining property, Middlesex will employ barricades, temporary fences, and designated walkways as required by prudent construction practices, local building codes, ordinances or other laws, or the Contract Documents.

We also understand the importance of effective and reliable communication in ensuring the safety of the traveling public, and adjoining projects at GOAA, stakeholders and GOAA personnel. With the volume of traffic and requirement to maintain vehicular and pedestrian to the train station, it is critical to keep GOAA informed in advance of major milestones that may affect traffic patterns. Updated 4-week and 90-day look ahead schedules will help with early identification of any mitigation actions required to avoid any impacts to adjacent properties and to coordinate with adjacent projects. Temporary wayfinding signage will be provided if needed. See also *"Construction Coordination: Maintenance of Traffic Plans"* in Section 1.1.2.E on the following pages.

### **1.1.2.B Construction Start-up**

- **Location of Offices and Support Facilities**

Middlesex has an established field office at the Airport for our ongoing Horizontal Construction Services contract. This will serve as the site management offices for this project as well, allowing for a quick start-up. In addition, Middlesex has a full suite of offices located at 10801 Cosmonaut Boulevard, a few minutes away from the Terminal C project site.

- **Laydown & Storage**

Middlesex office facilities at Cosmonaut Blvd. include a 60-acre laydown yard. This laydown yard will be used for staging/sequencing of equipment, and secure storage needs. Onsite parking and storage will be minimized and will be located to avoid impacts to the existing traffic accessing the train station. Only materials needed in the near-term will be stored on site. Off-site hauling will be minimized by re-using soils for on-site landscape berms.

#### **Good Neighbor ...**

Middlesex is known for clean, well-maintained project sites.

**4.74 / 5.0**

Average FDOT Public Perception Partnering



- **Construction Access**

A project-specific Hauling Plan will prioritize trucking and construction staff use of the south entrance to the airport. The Plan will include identification of routing and location of on-site staging areas for critical tasks to reduce traffic impacts to roadways, other nearby project sites, and vehicles traveling through the airport (and specifically traveling to Terminal C and the train station). Hauling routes to all work zones with ingress and egress points designed to allow safe acceleration and deceleration will be identified and distributed to subcontractors and suppliers. "Construction Vehicles Only" signage will be installed in advance of each location. As a "good neighbor", we will use dust and soil tracking prevention measures where vehicles are entering and exiting the facility.

- **Asphalt Facility**

Middlesex's Cosmonaut Boulevard yard includes a **State-of-the-Art Asphalt Production Facility**. The plant's close proximity to GOAA ensures that Middlesex can self-perform all paving tasks – which will reduce the cost and time and improve the quality of the paving services. Considering intermittent shortages of asphalt materials, Middlesex will prioritize the GOAA project to support opening Lot B in 120-days, Lot A in 128-days, and Lot C in 144-days.

- **Support of Early Works Packages**

Middlesex will have C&S start design immediately after bid opening, at our risk, to accelerate the schedule and specifically designs for early works packages and long lead items. The construction DB Coordinator will co-locate with C&S in their Orlando offices to provide quick responses to questions, advise on constructability as design advances, and coordinator constructability reviews by the site management team.

### 1.1.2.C Parking Lot Construction

Middlesex will self-perform the majority of work including maintenance of traffic (MOT), erosion control, earthwork, drainage, asphalt, and duct banks. These represent the majority of activities that will control the ability to open the parking lot for service. Specialty subcontractors will perform scopes including electrical, signs, ITS, landscaping, and security/access systems. Separate crews will be established to construct Parking Lots A and B simultaneously. As crews finish, they will move to Parking Lot C-2. As each lot is completed it will be opened, providing parking for customers well ahead of the 200/240-day completion dates. To accelerate start up, we will request permission immediately after bid opening for survey, erosion control, and geotechnical investigation crews to enter the site. We will also request to start any construction activities not tied to design approval such as striping, MOT, etc. If access is not permitted prior to Notice-to-Proceed (NTP) crews will be scheduled to mobilize immediately after NTP.

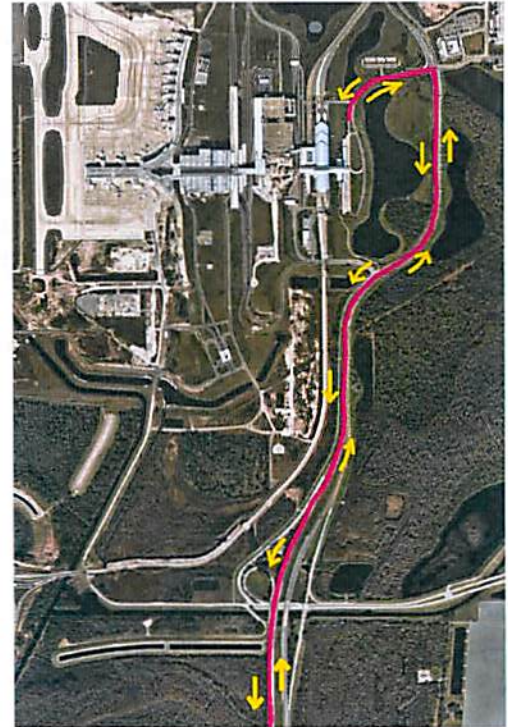


Fig. 2: Construction route in/out of airport  
Jeff Fuqua Blvd. to the South Exit

#### **Prioritize Completion of Lot B**

Lot B is the most "customer friendly" lot, right in front of the train station entrance.

Greatest impact on public perception.

Reduces construction impacts to the station and drop-off/pick-up traffic early in the project.



Maintenance of traffic will be established at the start of the project for both Lots A and B, due to their close proximity. MOT for Lot C-2 will be installed once work is ready to start, VMS boards will be placed a week in advance to notify travelers of the forthcoming changes to traffic patterns. Clearly identified entrance and exit locations will be established, with temporary construction signs. Acceleration/De-acceleration lanes will be provided where feasible so construction vehicles can merge with airport traffic as close to posted speeds as possible. The existing train station drop-off/pickup roadway and concourse area will be maintained throughout construction. The relocated shared use path along the south and west side of Parking Lot A will be constructed prior to removing the existing path from service.

- **Stormwater Management**

Middlesex will abide by all regulatory conditions during construction, including the Project Stormwater Pollution Prevention Plan. Best Management Practices (BMP's) will be put in place and strictly followed to avoid any impacts to GOAA's existing Stormwater System leading to Florida environmentally sensitive waterways. Dewatering activities and runoff to GOAA's existing Stormwater Management System will be monitored to identify any possible high turbidity discharge. Middlesex will utilize settlement basins, alum injection and other stormwater treatments to improve stormwater quality if necessary.

Existing Stormwater System elevations and upcoming weather forecasts will also be monitored during the rainy/hurricane season to be prepared for any significant weather events. Middlesex will be prepared with additional pumps if necessary to draw down the system at Pond 70 as done during past significant weather events.

Construction of new drainage pipe and structures will have a minimal impact on the existing systems. Middlesex will utilize pipe plugs or steel plates and bypass pumps as necessary during installation of new facilities to maintain flow. The use of HDPE pipe, in these shallow applications, mitigates procurement and installation time as well as risk of deficiencies with RCP.

- **Signage**

Any existing signs impacted by the work will be replaced with temporary signs, or new permanent signing if possible. New directional and wayfinding signs will be installed prior to paving, and to avoid confusion, signs will be covered until a parking lot is ready to be placed into service. Individual sign panels that provide direction for more than one parking lot, when only one is ready for use, will have temporary overlays installed so it is clearly communicating direction for only in-service parking lots.

- **Implementation of Lighting**

The lighting for each parking lot will be installed and power activated to support the sequential opening of each for service. Lighting for Parking Lot B will be completed as work progresses, the permanent lights will be in use when opened. Electrical crews will then move to Parking Lot A, and finally C. Our design to OUC standards will help mitigate supply chain issues, we do not anticipate the need for temporary lighting. Elements of the lighting system that fall outside the prelude of the Electrical permit (conduit, handholes, pull boxes, light pole foundations, and setting light poles, etc.) will be advanced as early in the schedule as possible. Once the Electrical Permit is received the only remaining work will be pulling cable and terminations.

The current shared use path, requiring relocation as part of Parking Lot A construction, does not have lighting. Any new lighting for this pathway will be installed prior to substantial completion. Infrastructure that would impact Parking Lot A or cause re-work will be installed along with the parking lot.



- **Implementation of Security and Access (ITS)**

The Middlesex-C&S Team and electrical subcontractor TSI has already identified the potential impacts of supply chain issues to the procurement of select security and access components. To mitigate this, our approach includes installing temporary components as needed until the permanent equipment is delivered; temporary equipment only needs to meet design standards for short duration use and is therefore more readily available. Temporary poles with mast arms will be installed, off-set from permanent pole locations, for installation of SunPass Plus antennas by TransCore. Once the permanent poles are installed the antennas will be moved to the new support, and the temporary supports removed. While this will require an additional relocation by TransCore it provides the benefit of early opening of each parking lot. We will implement the approach for card readers recently employed at the border patrol access gate. Temporary, readily available, blank card readers (preset cards swiped over a reader) were installed while punch-number-cards (cards associated with a specific access number that must be manually entered on a keypad in addition to the card swipe past a reader) were installed until the punch-number-card components arrive.

**Low Voltage Subcontractor**

**Quality Cable Contractors, Inc.**

**21 Projects at Orlando Airport**

- Level 1,2, & 3 Land Side a Wireless Access Points
- HBI to CE Fiber Installation
- Term. C Comms Rm. Buildout
- Airside 4 Video Display Upgrade
- Airside 2 Paging System Upgrade
- Term. C Airside and Landside AV Cabling & Speakers.

- **Implementation of Landscaping**

Landscaping will be installed at the end of the project, mitigating damage while work is ongoing. Crews will start at Parking Lots A and B and advance to Lot C -2 in time to complete landscaping before Lot C-2 opens.

- **Implementation of EV Charging Stations**

Infrastructure (conduit, pull boxes, foundations, etc.,) for EV charging stations will be constructed with each parking lot.

- **Paving Construction**

Middlesex will self-perform the paving as soon as each parking lot has been filled, graded, curb installed, and any below grade work scope completed that would otherwise result in rework of the asphalt. We anticipate multiple mobilizations to support sequential opening of the parking lots. Middlesex will prioritize this project, so crews are available when needed to meet our proposed schedule, and early opening of all lots.

### **1.1.2.D Construction Coordination**

- **Maintenance of Traffic (MOT)**

With the volume of traffic traveling in and out of the existing airport complex, train facility, parking garages, and use of common roadways, it will be critical to plan and clearly communicate all activities that may affect traffic, lane closures, and traffic shifts.

A comprehensive Maintenance of Traffic (MOT) plan that provides safe passage and access for the project workforce, traveling public, pedestrians, bicyclists, and other nearby projects is vital for successfully completing this project. Updated 4-week and 90-day look ahead schedules will help with early identification and coordination of activities that may create impacts.

**UON Experience**

Middlesex -- and specifically the staff selected for this project -- have used **GOAA's Utility Outage Notification (UON)** process for MOT notification on numerous airport projects.



The MOT plan will be developed to deliver the following objectives:

- Define travel paths, delivery routes, laydown areas, vehicle parking, equipment only zones, and access/egress points for both long and short-term work zones.
- Maintain/improve the quality of the existing traffic (in terms of flow rate and safety) for vehicles, pedestrians, and bicycles in the area of the project site (including the train station facilities and garages)
- Provide signage that mitigates confusion and provides safe passage through the project (including clear beginning and end points of lane closures, temporary work zone speed limit changes, and construction worker presence alerts)
- Provide visible signage for proper decisions by drivers before entering and exiting the work zone
- Provide for all lanes of traffic to be open in the event of an emergency and preserve shoulders for emergency vehicles

The MOT plans will be reviewed in advance with all truckers and suppliers servicing the project and will be discussed with our crews prior to each work shift. Middlesex's dedicated Design/Build Coordinator, Frances Stella-Ortiz, will be responsible for the coordination with adjacent projects.

- **Coordination with Nearby Projects**

Project Manager Peter Donkor will be responsible to managing the coordination effort with any adjacent projects, such as the relocation of Jeff Fuqua Blvd. or projects at Terminal C, the Train Station, and anywhere within the Airport. C&S will provide all pertinent information to Peter for submission to GOAA for preparation of the FAA 7460(s).

- **Coordination with Long Lead Items and Supply Chain Issues**

Our Team has identified a number of materials that continue to be affected by supply chain issues and developed solutions to mitigate impacts. We will assign a dedicated office/field engineer to known long-lead suppliers and fabricators to expedite the shop drawing approval process, address questions that arise (RFIs), or coordinate constructability challenges. The engineer will work with Design/Build Coordinator, Frances Stella-Ortiz to resolve issues requiring designer involvement. On recent projects, we have found that most electrical, electronic, revenue systems, and lighting items all have long lead items.

As an additional step to avoid delays due to material shortages, Middlesex also includes procurement activities in our CPM schedule. This step further ensures that materials and equipment are ordered well in advance of needing them.

## 1.2 MWBE, LDB/VBE REQUIREMENTS

1.2

Middlesex and C&S are committed to providing equal employment opportunities to all small business contractors and suppliers and we respect and support GOAA's Small Business Development programs and your mission to foster programs that encourage the inclusion of MWBE, LDB, and VBE businesses. These small businesses bring inspirational ideas to our industry and by recognizing them, we in turn build a stronger, healthier construction community.



## 1.2.1 MWBE, LDB/VBE Participation for Construction Services

1.2.1

Middlesex has reviewed and fully understands the policies that have been developed by GOAA's Small Business Development Department for:

- Minority and Women Business Enterprise (MWBE) Program Policy
- Local Developing Business /Veteran Business Enterprise (LDB/VBE) Policy

Middlesex has worked with GOAA's Department on projects that we successfully completed, and we will continue to work closely with GOAA in order to achieve the established participation goals.

The scopes of work associated for this project will include clearing, grubbing, grading, storm drainage, exterior electric, other utilities, paving, curb and gutter, and civil. We perform this type of work on a regular basis and through our years of experience, have developed an extensive database of qualified MWBE/LDB/VBE subconsultants, subcontractors, and vendors. Middlesex knows there is a separate and distinct directory associated with each program and we are very familiar with the resources available to verify subcontractor and vendor certification.

**A+**  
Middlesex FDOT DBE  
Participation Grade  
Calendar Year 2021

- Assistance to MWBE and LDB/VBE firms

Middlesex is committed to providing additional assistance to MWBE and LDB/VBE firms to increase their capacity and competitive advantage in the marketplace. We, therefore, will provide the following capacity building and technical assistance to help build their skills:

Capacity Building and Technical Assistance to MWBE and LDB/VBE Firms	
• GOAA certification assistance	• GOAA contract interpretation and understanding
• Bonding and financial assistance	• Change order management training
• QA/QC process & implementation training	• Partnering methods to enhance management
• Assistance with estimating preparation	• Procurement assistance

- MWBE and LDB/VBE Action Plan:

The following is a proposed action plan that Middlesex will use to achieve the goals:

1. **Notify** - Provide written notice and sufficient time for consideration to MWBE and LDB/VBE subcontractors and vendors via the Email bid notification (Building Connected solicitation system) and by advertising in local media and newspapers.
2. **Provide Info** - Provide all necessary project information (plans, specifications, addenda) to subcontractors and vendors using Building Connected or through an FTP site or similar file transfer platform. We also allow subcontractors and vendors the ability to review the project information in Middlesex's Orlando office or site office and arrange for individual confidential meetings to assist them with work scope assessment and pricing.
3. **Selective Work Scopes** - Select work scopes targeted specifically for M/WBE or LDB/VBE participation, including splitting up or breaking out scopes.
4. **Supplies Assistance** - Assist with obtaining necessary equipment, materials, or supplies.
5. **Follow-up** - After the initial solicitation, follow-up with the firms to determine with certainty if they are interested in providing a quote.
6. **Coordinate** - Coordinate with GOAA's Small Business Development Department to find interested subcontractors and vendors.



## 1.2.2 MWBE, LDB/VBE PARTICIPATION for DESIGN SERVICES

1.2.2

C&S regularly engages the services of diverse teammates on our projects. We are dedicated to meeting or exceeding participation goals set by our clients. In fact, we make a concerted effort to team with minority, disadvantaged, women-owned, and local firms whenever possible, whether a project has set goals or not.

C&S complies with all applicable federal, state, and local regulations and laws, including the MWBE, LDB and VBE program goals established for our projects. We have consistently met or exceeded participation goals on airport projects nationwide. Here in Orlando, we team with MWBE, LDB and VBE firms for many projects and have many productive relationships in multiple trades and disciplines. We also make an effort to learn about what firms can offer the types of services that would interest GOAA, and which firms are interested in working at GOAA.

We have participated in the GOAA small business development networking event over the past few years and the speed networking session as a prime consultant for the past five years. C&S has read GOAA's participation program policies and programs that encourage the inclusion of women, minorities, and small businesses.

## 1.2.3 POST-BID VALUE ENGINEERING OPPORTUNITIES

1.2.3

### Post Bid Value Engineering Opportunities

#### Est. Added Revenue

**\$533,812**

195 Added Spaces

\$10/Day/Space

75% Occupancy

The Middlesex-C&S Team has identified value engineering (VE) opportunities to provide GOAA with **195 additional parking spaces**, beyond what is included in our technical proposal or outlined in the RFP. These options are not included in the price component of our proposal as they require more in-depth direct

discussion with GOAA than permitted under the RFP procurement process. However, we feel strongly these value engineered options can be provided economically. We look forward to discussing these with the GOAA team.

The 1<sup>st</sup> VE option would involve significantly expanding Parking Lot C-2, shown above in Fig. 3. This option would provide approximately 105 additional parking spaces.

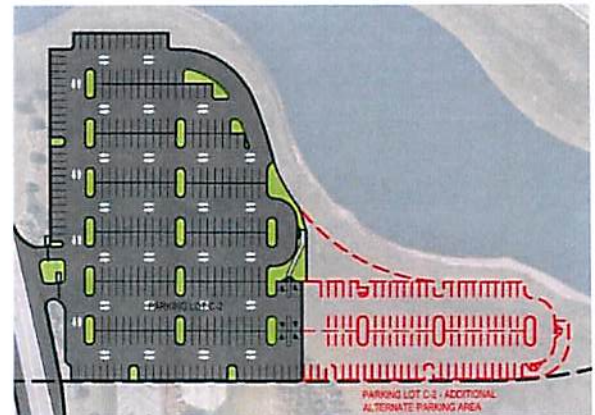


Fig. 3: Expanded Lot C-2 Sketch

The 2<sup>nd</sup> VE option would add a parking lot between the loop road and pond, across from Parking Lot B, Fig. 4. This option would provide approximately 90 additional parking spaces.

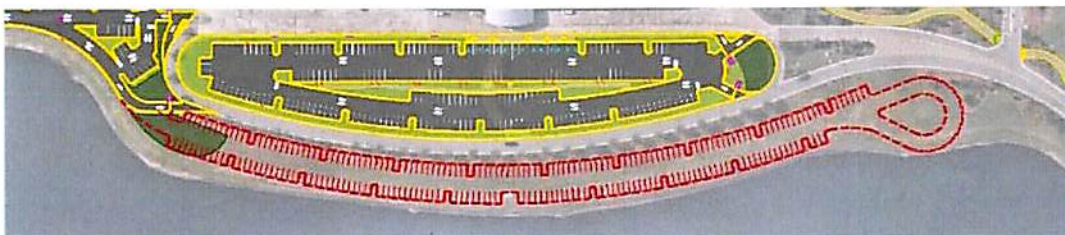


Fig. 4: Expanded Lot B Sketch



# 2 PART 2: SCHEDULE

## 2.1 SCHEDULE NARRATIVE

# 2.1

### Early Completion

	Open	Substantial Completion
Lot A	120 Days	170 Days
Lot B	128 Days	170 Days
Lot C	144 Days	170 Days

In its 51-year company history, encompassing thousands of projects and billions of dollars of work, Middlesex has never finished a project late, nor been assessed liquidated damages. These results have provided tremendous value to the owners we serve and the end users of these projects. In the Southeast region, we have completed six of our last 9 Design Build projects ahead of the scheduled completion. **Our expertise and knowledge of GOAA facilities and operations will be brought to this project to open parking lots A, B, and C, and open each one before the Thanksgiving rush of travelers.**

Important features of our schedule that support early opening, early Substantial Completion, and early Final Completion include:

- ✓ Start work immediately after bid opening
- ✓ Work 6-days per week 10 hours per day
- ✓ Separate crews to work Lot A&B simultaneously
- ✓ All crews work Lot C
- ✓ Prioritize Lot B to open first
- ✓ Reduce number of review cycles for design submittals
- ✓ Shorten submittal review cycles
- ✓ Install temporary equipment and materials to mitigate long lead times
- ✓ Early works packages for materials experiencing long lead times
- ✓ Early works packages for all parking lots
- ✓ Concurrent permitting activities

We have structured our schedule to minimize design activities and associated reviews that are on the critical path. The critical path of the project starts after bid opening with Data Collection and Survey and then shifts to Early Works procurement packages. The critical path thereafter is through access equipment and gantries for SunPass antennas, and once completed, OAR inspections and punch/as-builts/close out. The secondary critical path will flow through civil activities performed by Middlesex, keeping these activities under full control of Middlesex.

The schedule was created in Oracle's Primavera P6. Our team is committed to an accelerated start (the project start date has been set as April 4, 2023) the day after bid opening. Milestone dates - Substantial Completion and Final Completion - are based on a notice to proceed on May 1, 2023. A detailed work breakdown structure subdivides work scopes to WBS Level 6. Three calendars are used: C1) 5-days/week, 8 hr./days for design, permits, and pre-construction; C2) 6-day/weeks, 10 hr./days for construction; and C3) 7-day/weeks for general milestones, procurement, and concrete cure time activities. C1 and C2 include holidays and non-workdays. The majority of the 770 relationships are Finish-to-Start, with minimal use of lag ties, and no Start-to-Finish, Open End, Dangling, or leads or negative lags. Activity durations do not exceed 20 days.

### • Design

Design will start on April 4, 2023, at our risk. To accelerate design start we have included a design kickoff meeting activity for April 4<sup>th</sup>. C&S has committed to expedited design, with comment resolution turn-around times as short as 2-days. Based on the need for timely completion, our past experience with fast track GOAA projects, C&S's extensive experience



preparing design submittal documents for GOAA, and the simplicity of the project we have set two (2) reviews for design submittals each with 5-day review durations. Component plan submittals include civil, electrical & security, landscaping, and signing and pavement marking.

- **Permitting**

- Env. Resource Permit Mod - SFWMD
- GOAA Master Dewatering Permit
- GOAA Horizontal Permit
- NPDES Permit
- City of Orlando electrical permit
- OUC Water System Permit

Permitting activities are not on the critical path and have float. A pre-application meeting will be scheduled with GOAA and SFWMD immediately after bid opening. GOAA's review of the permit MOD will be 18-days after Award. C&S has a good relationship with SFWMD and expects to turn around Requests for Additional Information (RAI) comments in 2-days. We know the process well for obtaining GOAA Master Dewatering and Horizontal permits and will submit for these permits 15-days and 27-days after award respectively. The NPDES permit is straight forward and will be submitted the day after award. Our dedicated Electrical subcontractor TSI has a long and successful relationship with OUC and the City of Orlando, obtaining the electrical permit by June 16, 2023, is achievable.

- **Utility Coordination**

- Coordination with OUC electrical
- Coordination with OUC for fire line, hydrants, and meter

We will hold a coordination meeting with OUC soon after bid opening in order to begin submitting electrical and fire protection submittals on May 18, 2023.

- **Stakeholder Coordination**

- Brightline for proposed electric and communication modifications to panels
- GOAA and Transcore, SunPass Plus equipment mounting on gantries.

We recognize that GOAA will aid in bringing Brightline officials as needed for any coordination matters working around the terminal. Activities are included for installation of temporary gantries at all three parking lots, and subsequent activities for permanent gantries that have procurement as their predecessor.

- **Preconstruction**

- Submittal package development, submission, review, and approval
- Procurement related to early works design construction package.
- Procurement related to early work design package for long lead items.

Middlesex will start developing submittal packages after bid opening, April 3, 2023. This effort will allow submission to start May 1, 2023 and continue through June 2, 2023. The work scopes and materials are common to GOAA projects, and the submittals have been approved on past projects; therefore, we have included one (1) review/approval cycle. Middlesex and GOAA successfully instituted a fast-track process for submittal and procurement on the Heintzelman RAC Storage project, which cut 11% off the project duration. We anticipate following similar processes.



- **Construction**

- Early works construction
- Multiple Crews
- Middlesex Controls the Secondary Critical Path
- Phased early opening
- Temporary and Permanent equipment
- Dedicated 6-day, ten-hour work shift
- Sundays as a makeup day for adverse weather

All construction is tied to the 6-day/week 10-hrs/day calendar, with multiple crews and subcontractor crews. Sunday work is anticipated to make up for inclement weather. Early works such as MOT signage, silt fence and inlet protection device start on May 2, 2023, the day after NTP, and are concurrent with ongoing design. Lots A and B have separate crew resources working simultaneously, with Lot B prioritized for early opening on August 29, 2023, and Lot A 8-days later on September 6, 2023. Activities to replace temporary equipment and gantries are included that are the immediate successor to procurement.

- **Post-Construction**

- Quality log to track non-conformance
- Early punch list inspections
- Maintain updated as-built file
- Accelerated effective contract closeout process

Our use of a quality log to track any non-conformance issues and their resolution, results in quick closeout. Each parking lot has separated punch list and closeout activities and our proven process provides the confidence in the 30-day duration of each.

- **Schedule Implementation**

The CPM included with the Technical Proposal will be further developed after bid opening to form the baseline schedule. The schedule will be updated weekly, identifying any schedule slippage as soon as possible. The Project Team will develop 4-week lookahead schedules, which will be reviewed and discussed at weekly planning meetings by the Team, including the PM, Engineers, Superintendents, Foremen, and major subcontractors; also including the Design Project Manager while design is advancing. At these meetings the schedule is the focal point and utilized to ensure we have the appropriate type and quantity of resources, crews, equipment, materials, and trucks to accomplish the task ahead. The schedule also is an aid to our procurement and submittal preparation and tracking. These lookahead schedules, along with weekly updates are also provided to all subcontractors so they also can be fully aware of when their crews are needed on the project and ensure they are managing their submittals and procurement to align with the project schedule.

From the 4-week lookahead schedules, the scheduled construction activities are then incorporated into daily work plans. These daily work plans are presented by Foremen at their crew Daily Huddles, where all the details for the that day's work along with safety and quality plans and production goals are communicated to team members.

On a monthly basis, our Project Team and Operations Manager will assemble to review each monthly update, evaluate the status of our work progress against milestone dates, look ahead at upcoming tasks to ensure that all submittals, future resource needs, specialty equipment needs, subcontractor needs, and other outside needs are identified. Schedule scenarios will also be evaluated to determine proposed actions necessary to mitigate potential impacts and identify opportunities to further improve the schedule.



## **4** PART 4: APPENDIX

**Appendix 4.1      Schedule**

**Appendix 4.2      Plans**

**Appendix 4.3      Addendum Acknowledgement**

**Appendix 4.4      Certificate of Good Standing**



## 4.1 SCHEDULE

4.1





# Proposal Schedule BP-S00199 Train Station Passenger Drop-off Lobby Parking Lot (D/B)



Activity ID	Activity Name	OO	Start	Finish	Total Hours	Mar -1	Apr 1	May 2	Jun 3	Jul 4	2023 Aug 5	Sep 6	Oct 7	Nov 8	Dec 9	2024 Jan 10
<b>BP-S00199 Train Station Passenger Drop-off Lobby Parking Lot (D/B)</b>																
<b>PROJECT ADMINISTRATIVE MILESTONES</b>																
<b>GENERAL MILESTONES</b>																
GN-ML-1000	Expected Bid Opening Date (4/3/2023)	0	03-Apr-23	03-Apr-23	0											
GN-ML-1010	Design Start	0	04-Apr-23	04-Apr-23	21											
GN-ML-1020	Design Kickoff Meeting with GOAA	1	04-Apr-23	04-Apr-23	21											
GN-ML-1030	Expected Award Date (4/15/2023)	0	19-Apr-23	19-Apr-23	0											
GN-ML-1040	Expected Contract Execution Date (4/24/2023)	0	24-Apr-23	24-Apr-23	0											
GN-ML-1050	Site Management	200	01-May-23	17-Nov-23	70											
GN-ML-1060	Project Start - Expected NTP (5/1/2023)	0	01-May-23	01-May-23	0											
GN-ML-1070	MOT Install & Maintenance	200	01-May-23	17-Nov-23	70											
<b>BASE PROPOSAL / LOTS A &amp; B MILESTONES</b>																
BP-ML-1000	Parking Lots A & B Duration (NTP to Substantial Completion)	170	01-May-23	16-Oct-23	30											
BP-ML-1010	Parking Lots A & B Duration (NTP to Final Completion)	200	01-May-23	17-Nov-23	30											
BP-ML-1030	Parking Lot B Opening (Temp Gantry)	0	29-Aug-23	29-Aug-23	79											
BP-ML-1020	Parking Lot A Opening (Temp Gantry)	0	06-Sep-23	06-Sep-23	71											
BP-ML-1040	Parking Lots A & B Substantial Completion	0	18-Oct-23	18-Oct-23	30											
BP-ML-1050	Parking Lots A & B Final Completion	0	17-Nov-23	17-Nov-23	30											
<b>ALT 1 / EV CHARGING STATIONS / LOTS A &amp; B MILESTONES</b>																
A1-ML-1000	EV Charging Stations Infrastructure / Lots A & B Completion	0	28-Jun-23	28-Jun-23	75											
<b>ALT 2 / LOT C-2 MILESTONES</b>																
A2-ML-1000	Parking Lot C-2 Duration (NTP to Substantial Completion)	170	01-May-23	18-Oct-23	70											
A2-ML-1010	Parking Lot C-2 Duration (NTP to Final Completion)	200	01-May-23	17-Nov-23	70											
A2-ML-1020	Parking Lot C-2 Opening (Temp Gantry)	0	22-Sep-23	22-Sep-23	95											
A2-ML-1030	Parking Lot C-2 Substantial Completion	0	18-Oct-23	18-Oct-23	70											
A2-ML-1040	Parking Lot C-2 Final Completion	0	17-Nov-23	17-Nov-23	70											
<b>ALT 3 / EV CHARGING STATIONS / LOT C-2 MILESTONES</b>																
A3-ML-1000	EV Charging Stations Infrastructure / Lot C-2 Completion	0	28-Jun-23	28-Jun-23	124											
<b>BASE PROPOSAL / PARKING LOTS A &amp; B</b>																
<b>DESIGN / BASE PROPOSAL / PARKING LOTS A &amp; B</b>																
<b>DESIGN SURVEY / BASE PROPOSAL / LOTS A &amp; B</b>																
DES-BP-1000	Data Collection and Design Survey / BP / Lots A & B	5	04-Apr-23	10-Apr-23	21											
<b>DESIGN GEOTECH / BASE PROPOSAL / LOTS A &amp; B</b>																
DES-BP-1010	Prepare Design Geotechnical Report / BP / Lots A & B	10	04-Apr-23	17-Apr-23	26											
<b>EARLY WORK DESIGN PACKAGE / BASE PROPOSAL / LOTS A &amp; B</b>																
DES-BP-1020	Prepare Early Work Design Package / BP / Lots A & B / BP / Lots A & B	20	11-Apr-23	10-May-23	50											
DES-BP-1030	Prepare Early Work Design Procurement Package / BP / Lots A & B	12	11-Apr-23	26-Apr-23	21											
DES-BP-1040	Early Work Design Package / BP / Lots A & B - Submittal	0	24-Apr-23	24-Apr-23	27											
DES-BP-1060	Early Work Design Package / BP / Lots A & B - Review & Approval	5	25-Apr-23	01-May-23	27											
DES-BP-1050	Early Work Design Procurement Package / BP / Lots A & B - Submittal	0	26-Apr-23	26-Apr-23	21											
DES-BP-1070	Early Work Design Procurement Package / BP / Lots A & B - Review & Approval	5	27-Apr-23	03-May-23	21											
DES-BP-1480	Resolve Comments / Prepare Early Work RFC Plans / BP / Lots A & B	5	04-May-23	10-May-23	50											
DES-BP-1490	Issue Early Work RFC Plans / BP / Lots A & B	0	10-May-23	10-May-23	50											
<b>PARKING LOT 80% DESIGN PACKAGE / BASE PROPOSAL / LOTS A &amp; B</b>																
<b>CIVIL 80% DESIGN PACKAGE / BASE PROPOSAL / LOTS A &amp; B</b>																
DES-BP-1080	Prepare Civil 80% Design Package / BP / Lots A & B	25	04-Apr-23	08-May-23	55											
DES-BP-1180	Civil 80% Design Package / BP / Lots A & B - Submittal	0	06-May-23	06-May-23	55											
DES-BP-1200	Civil 80% Design Package / BP / Lots A & B - Review & Approval	5	09-May-23	15-May-23	55											
<b>ELECTRICAL AND SECURITY 80% DESIGN PACKAGE / BASE PROPOSAL / LOTS A &amp; B</b>																
DES-BP-1090	Prepare Electrical and Security 80% Design Package / BP / Lots A & B	25	04-Apr-23	08-May-23	55											



Activity ID	Activity Name	CO	Start	Finish	Total Float	2023												2024
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan		
						-1	1	2	3	4	5	6	7	8	9	10		
DES-BP-1190	Electrical and Security 80% Design Package / BP / Lots A & B - Submittal	0	08-May-23	08-May-23	55													
DES-BP-1210	Electrical and Security 80% Design Package / BP / Lots A & B - Review & Approval	5	09-May-23	15-May-23	55													
LANDSCAPE AND HARDSCAPE 80% DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1100	Prepare Landscape and Hardscape 80% Design Package / BP / Lots A & B	25	04-Apr-23	04-May-23	60													
DES-BP-1140	Landscape and Hardscape 80% Design Package / BP / Lots A & B - Submittal	0	01-May-23	01-May-23	60													
DES-BP-1160	Landscape and Hardscape 80% Design Package / BP / Lots A & B - Review & Approval	5	02-May-23	08-May-23	60													
SIGNING AND PAVEMENT MARKING 80% DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1110	Prepare Signing and Pavement 80% Design Package / BP / Lots A & B	20	04-Apr-23	01-May-23	60													
DES-BP-1150	Signing and Pavement 80% Design Package / BP / Lots A & B - Submittal	0	01-May-23	01-May-23	60													
DES-BP-1170	Signing and Pavement 80% Design Package / BP / Lots A & B - Review & Approval	5	02-May-23	08-May-23	60													
PARKING LOT FINAL DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
CIVIL FINAL DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1250	Resolve Comments / Prepare Civil Final Design Package / BP / Lots A & B	20	16-May-23	13-Jun-23	76													
DES-BP-1330	Civil Final Design Package / BP / Lots A & B - Submittal	0	13-Jun-23	13-Jun-23	76													
DES-BP-1350	Civil Final Design Package / BP / Lots A & B - Review & Approval	5	14-Jun-23	20-Jun-23	76													
DES-BP-1420	Resolve Final Comments / Prepare Civil RFC Plans / BP / Lots A & B	5	21-Jun-23	27-Jun-23	76													
DES-BP-1450	Issue Civil RFC Plans / BP / Lots A & B	0	27-Jun-23	27-Jun-23	76													
ELECTRICAL AND SECURITY FINAL DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1260	Resolve Comments / Prepare Electrical and Security Final Design Package / BP / Lots A & B	20	16-May-23	13-Jun-23	55													
DES-BP-1340	Electrical and Security Final Design Package / BP / Lots A & B - Submittal	0	13-Jun-23	13-Jun-23	76													
DES-BP-1360	Electrical and Security Final Design Package / BP / Lots A & B - Review & Approval	5	14-Jun-23	20-Jun-23	76													
DES-BP-1430	Resolve Final Comments / Prepare Electrical and Security RFC Plans / BP / Lots A & B	5	21-Jun-23	27-Jun-23	76													
DES-BP-1440	Issue Electrical and Security RFC Plans / BP / Lots A & B	0	27-Jun-23	27-Jun-23	76													
LANDSCAPE AND HARDSCAPE FINAL DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1230	Resolve Comments / Prepare Landscape and Hardscape Final Design Package / BP / Lots A & B	15	09-May-23	30-May-23	88													
DES-BP-1290	Landscape and Hardscape Final Design Package / BP / Lots A & B - Submittal	0	30-May-23	30-May-23	88													
DES-BP-1300	Landscape and Hardscape Final Design Package / BP / Lots A & B - Review & Approval	5	31-May-23	06-Jun-23	88													
DES-BP-1370	Resolve Final Comments / Prepare Landscape and Hardscape RFC Plans	3	07-Jun-23	09-Jun-23	88													
DES-BP-1400	Issue Landscape and Hardscape RFC Plans / BP / Lots A & B	0	09-Jun-23	09-Jun-23	88													
SIGNING AND PAVEMENT MARKING FINAL DESIGN PACKAGE / BASE PROPOSAL / LOTS A & B																		
DES-BP-1240	Resolve Comments / Prepare Signing and Pavement Final Design Package / BP / Lots A & B	15	09-May-23	30-May-23	88													
DES-BP-1290	Signing and Pavement Final Design Package / BP / Lots A & B - Submittal	0	30-May-23	30-May-23	88													
DES-BP-1310	Signing and Pavement Final Design Package / BP / Lots A & B - Review & Approval	5	31-May-23	06-Jun-23	88													
DES-BP-1360	Resolve Final Comments / Prepare Signing and Pavement RFC Plans / BP / Lots A & B	3	07-Jun-23	09-Jun-23	88													
DES-BP-1410	Issue Signing and Pavement RFC Plans / BP / Lots A & B	0	09-Jun-23	09-Jun-23	88													
PERMIT / BULG ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
SWMD PERMIT / PERMITTING ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
PER-BP-1060	Prepare SWMD Permit Modification / BP / Lots A & B	2	16-May-23	17-May-23	55													
PER-BP-1090	Owner Review SWMD Permit Modification / BP / Lots A & B	5	18-May-23	24-May-23	55													
PER-BP-1120	SWMD Review / BP / Lots A & B	30	24-May-23	23-Jun-23	81													
PER-BP-1150	Respond to RAI and Resubmit / BP / Lots A & B	2	26-Jun-23	27-Jun-23	55													
PER-BP-1160	Issue SWMD Permit Modification / BP / Lots A & B	30	27-Jun-23	27-Jul-23	79													
CITY OF ORLANDO PERMIT (ELECTRICAL SYSTEMS) / PERMITTING ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
PER-BP-1050	Submit City of Orlando Permit (Electrical Systems) / BP / Lots A & B	5	11-May-23	17-May-23	50													
PER-BP-1090	City of Orlando Permit (Electrical Systems) Review / BP / Lots A & B	30	17-May-23	16-Jun-23	74													
PER-BP-1140	Obtain City of Orlando Permit (Electrical Systems) Permit / BP / Lots A & B	0	16-Jun-23	16-Jun-23	51													
NPDES PERMIT / PERMITTING ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
PER-BP-1030	Submit NPDES Permit Application / BP / Lots A & B	1	20-Apr-23	20-Apr-23	73													
PER-BP-1010	NPDES Review / BP / Lots A & B	5	21-Apr-23	27-Apr-23	73													
PER-BP-1020	Obtain NPDES Permit / BP / Lots A & B	0	27-Apr-23	27-Apr-23	105													
GOAA MASTER DOWATERING PERMIT / PERMITTING ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
PER-BP-1030	Submit GOAA's Master Dewatering Permit Modification / BP / Lots A & B	2	04-May-23	05-May-23	57													
PER-BP-1040	GOAA Review Master Dewatering Permit Modification / BP / Lots A & B	0	08-May-23	19-May-23	57													
PER-BP-1110	Obtain GOAA's Master Dewatering Permit / BP / Lots A & B	0	19-May-23	19-May-23	57													
GOAA HORIZONTAL PERMIT / PERMITTING ACTIVITIES / BASE PROPOSAL / LOTS A & B																		
PER-BP-1070	Submit GOAA's Horizontal Permit / BP / Lots A & B	2	16-May-23	17-May-23	66													
PER-BP-1100	GOAA Review Horizontal Permit / BP / Lots A & B	5	18-May-23	24-May-23	66													



Activity Name		CD	Start	Finish	Total	2024											
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PER-PR-1130	Obtain CDAA's Horizontal Permit / BP / Lots A & B		0	24-May-23	66												
<b>PRE-CONSTRUCTION / BASE PROPOSAL / PARKING LOTS A &amp; B</b>																	
111	Obtain CDAA's Horizontal Permit / BP / Lots A & B		25-Apr-23	29-Sep-23	29												
53	Work Plan (Safety & QAVOC Plans) / BP / Lots A & B - Submittal		27-Sep-23	01-Jun-24	64												
SUB-PR-1110	Existing Site Condition (Video CDS) / BP / Lots A & B - Submittal		01-May-23	01-May-23	59												
SUB-PR-1120	Light Poles (Aluminum) / BP / Lots A & B - Submittal		04-May-23	17-May-23	30												
SUB-PR-1020	Asphalt Paving / Mix Design / BP / Lots A & B - Submittal		04-May-23	17-May-23	99												
SUB-PR-1030	Free Protection Water Main, Pipe & Accessories / BP / Lots A & B - Submittal		04-May-23	17-May-23	50												
SUB-PR-1130	Fence / BP / Lots A & B - Submittal		04-May-23	17-May-23	84												
SUB-PR-1040	Storm Drainage Plan / BP / Lots A & B - Submittal		04-May-23	17-May-23	65												
SUB-PR-1050	Drainage Pipe / BP / Lots A & B - Submittal		04-May-23	17-May-23	43												
SUB-PR-1070	Garages / BP / Lots A & B - Submittal		04-May-23	17-May-23	21												
SUB-PR-1080	Access Equipment / BP / Lots A & B - Submittal		04-May-23	17-May-23	25												
SUB-PR-1090	Pond Drainage Plan / BP / Lots A & B - Submittal		04-May-23	17-May-23	54												
SUB-PR-1140	Temp Garages (Wood Pole & Arm) / BP / Lots A & B - Submittal		04-May-23	17-May-23	104												
SUB-PR-1150	Access Gates / BP / Lots A & B - Submittal		04-May-23	17-May-23	84												
SUB-PR-1170	Free Hydrant / BP / Lots A & B - Submittal		04-May-23	17-May-23	50												
<b>REVIEW &amp; APPROVAL / BASE PROPOSAL / LOTS A &amp; B</b>																	
54	Work Plan (Safety & QAVOC Plans) / BP / Lots A & B - Review & Approval		27-Sep-23	05-Jun-24	69												
59	Existing Site Condition (Video CDS) / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	59												
53	Work Plan (Safety & QAVOC Plans) / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	59												
48	Wetlands / Marshbanks / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	48												
84	Fence / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	84												
50	Permanent Signs / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	50												
65	Storm Drainage Plan / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	65												
43	Drainage Pipe / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	43												
21	Garages / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	21												
25	Access Equipment / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	25												
54	Pond Drainage Plan / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	54												
104	Temp Garages (Wood Pole & Arm) / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	104												
84	Access Gates / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	84												
45	Electrical Conduit & Wires / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	45												
50	Free Hydrant / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	50												
21	Garages / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	21												
25	Access Equipment / BP / Lots A & B - Review & Approval		02-May-23	05-May-23	25												
30	Light Poles (Aluminum) / BP / Lots A & B - Review & Approval		02-Jun-23	06-Jun-23	30												
<b>CONSTRUCTION / BASE PROPOSAL / PARKING LOTS A &amp; B</b>																	
112	Obtain CDAA's Horizontal Permit / BP / Lots A & B		02-May-23	08-May-23	71												
27	Light Poles (Aluminum) / BP / Lots A & B - Fab & Delivery		02-May-23	08-May-23	27												
36	Access Equipment / BP / Lots A & B - Fab & Delivery		01-Jun-23	29-Sep-23	36												
31	Garages / BP / Lots A & B - Fab & Delivery		01-Jun-23	28-Sep-23	31												
74	Free Hydrant / BP / Lots A & B - Fab & Delivery		20-May-23	13-Jun-23	74												
74	Free Protection Water Main, Pipe & Accessories / BP / Lots A & B - Fab & Delivery		20-May-23	13-Jun-23	74												
67	Electrical Conduit & Wires / BP / Lots A & B - Fab & Delivery		20-May-23	23-Jun-23	67												
123	Access Gates / BP / Lots A & B - Fab & Delivery		20-May-23	23-Jun-23	123												
149	Temp Garages (Wood Pole & Arm) / BP / Lots A & B - Fab & Delivery		20-May-23	23-Jun-23	149												
63	Drainage Pipe / BP / Lots A & B - Fab & Delivery		15-May-23	08-Jun-23	63												
72	Permanent Signs / BP / Lots A & B - Fab & Delivery		20-May-23	22-Aug-23	72												
173	Fence / BP / Lots A & B - Fab & Delivery		20-May-23	22-Jun-23	173												
70	Wetlands / Marshbanks / BP / Lots A & B - Fab & Delivery		15-May-23	08-Jun-23	70												
41	Light Poles (Aluminum) / BP / Lots A & B - Review & Approval		20-May-23	28-Jun-23	41												
30	Access Equipment / BP / Lots A & B - Review & Approval		02-Jun-23	06-Jun-23	30												
25	Garages / BP / Lots A & B - Review & Approval		02-Jun-23	01-Jul-23	25												
21	Free Hydrant / BP / Lots A & B - Review & Approval		02-Jun-23	01-Jul-23	21												
50	Electrical Conduit & Wires / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	50												
45	Access Gates / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	45												
84	Temp Garages (Wood Pole & Arm) / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	84												
104	Pond Drainage Plan / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	104												
54	Drainage Pipe / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	54												
43	Free Protection Water Main, Pipe & Accessories / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	43												
50	Asphalt Paving / Mix Design / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	50												
99	Storm Drainage Plan / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	99												
65	Permanent Signs / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	65												
50	Fence / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	50												
84	Wetlands / Marshbanks / BP / Lots A & B - Review & Approval		18-May-23	24-Jun-23	84												
48	Existing Site Condition (Video CDS) / BP / Lots A & B - Review & Approval		02-May-23	24-Jun-23	48												
59	Work Plan (Safety & QAVOC Plans) / BP / Lots A & B - Review & Approval		02-May-23	04-Jul-23	59												
<b>MOBILIZATION / BP / Lots A &amp; B</b>																	
71	Access Equipment / BP / Lots A & B - Fab & Delivery		02-May-23	08-May-23	71												
27	Light Poles (Aluminum) / BP / Lots A & B - Fab & Delivery		02-May-23	10-Jun-23	27												



Activity ID	Activity Name	CC	Start	Finish	Total Float	2023												2024
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan		
						-1	1	2	3	4	5	6	7	8	9	10		
<b>EROSION CONTROL / LOT A / BASE PROPOSAL</b>																		
CO-BP-LA-1010	ISR Sed Barrier / BP / Lot A		71	02-May-23	12-Aug-23													
CO-BP-LA-1020	Periodic Erosion Control Maintenance / BP / Lot A		102	02-May-23	12-Aug-23													
CO-BP-LA-1050	Install Inlet Protection System / BP / Lot A		1	03-May-23	04-May-23													
CO-BP-LA-1080	Install Floating Turbidity Barrier / BP / Lot A		1	03-May-23	04-May-23													
<b>EARTHWORK / LOT A / BASE PROPOSAL</b>																		
<b>CLEARING &amp; GRUBBING DEMO / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1040	Cleaning Light / BP / Lot A		1	08-May-23	09-May-23													
CO-BP-LA-1060	R&D Curb & Gutter / BP / Lot A		1	09-May-23	10-May-23													
CO-BP-LA-1090	Sod / Tree Removal / BP / Lot A		2	09-May-23	11-May-23													
CO-BP-LA-1100	R&D Concrete Pavement / BP / Lot A		1	10-May-23	11-May-23													
CO-BP-LA-1110	R&D Concrete Walkway / BP / Lot A		1	10-May-23	11-May-23													
<b>EXCAVATION &amp; EMBANKMENT / EARTHWORK / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1120	Topsoil Cut to Stockpile / BP / Lot A		2	11-May-23	13-May-23													
CO-BP-LA-1130	FGC Green Areas (Topsoil) / BP / Lot A		2	13-May-23	16-May-23													
CO-BP-LA-1140	Site Cut Load-Haul To Fills / BP / Lot A		3	13-May-23	17-May-23													
CO-BP-LA-1200	Place Site Fill / BP / Lot A		4	05-Jul-23	10-Jul-23													
<b>STORM DRAINAGE / LOT A / BASE PROPOSAL</b>																		
<b>STORM DRAINAGE / POND / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1190	Install Storm Drainage Pipes / Pond / BP / Lot A		6	08-Jun-23	15-Jun-23													
CO-BP-LA-1200	Storm Dewater / Pond / BP / Lot A		15	08-Jun-23	23-Jun-23													
CO-BP-LA-1210	Modify Existing & Install New Inlets / Pond / BP / Lot A		7	15-Jun-23	23-Jun-23													
<b>STORM DRAINAGE / PARKING LOT / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1220	Install Storm Drainage Pipes / Parking Lot / BP / Lot A		6	23-Jun-23	30-Jun-23													
CO-BP-LA-1230	Storm Dewater / Parking Lot / BP / Lot A		17	23-Jun-23	10-Jul-23													
CO-BP-LA-1240	Modify Existing & Install New Inlets / Parking Lot / BP / Lot A		7	30-Jun-23	10-Jul-23													
<b>STORM DRAINAGE VIDEO &amp; PIPE CLEANING / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1250	Video & Pipe Cleaning / BP / Lot A		5	03-Jul-23	10-Jul-23													
<b>FIRE PROTECTION WATER MAIN &amp; FIRE HYDRANT / LOT A / BASE PROPOSAL</b>																		
CO-BP-LA-1165	Install FFWM & Fire Hydrant / BP / Lot A		12	16-Jun-23	30-Jun-23													
<b>ELECTRICAL/LIGHTING/ACCESS / LOT A / BASE PROPOSAL</b>																		
CO-BP-LA-1170	Install Lighting Electrical Conducts & Wires / BP / Lot A		6	23-Jun-23	30-Jun-23													
CO-BP-LA-1180	Install Access/Security Electrical Conducts & Wires / BP / Lot A		6	23-Jun-23	30-Jun-23													
CO-BP-LA-1570	Install Light Poles (Aluminum) / BP / Lot A		5	06-Sep-23	15-Sep-23													
<b>PAVING/SHARED USE PATH / LOT A / BASE PROPOSAL</b>																		
<b>TYPE B STABILIZATION / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
<b>SHR/ED USE PATH / TYPE B STABILIZATION / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1270	D/S Limerock / Stab. / Shared Use Path / BP / Lot A		1	10-Jul-23	11-Jul-23													
CO-BP-LA-1280	C/G Subgrade / Stab. / Shared Use Path / BP / Lot A		2	11-Jul-23	13-Jul-23													
CO-BP-LA-1290	Mix Subgrade / Stab. / Shared Use Path / BP / Lot A		1	11-Jul-23	12-Jul-23													
<b>PARKING LOT / TYPE B STABILIZATION / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1300	D/S Limerock / Stab. / Parking Lot / BP / Lot A		2	11-Jul-23	13-Jul-23													
CO-BP-LA-1310	Mix Subgrade / Stab. / Parking Lot / BP / Lot A		2	13-Jul-23	15-Jul-23													
CO-BP-LA-1330	C/G Subgrade / Stab. / Parking Lot / BP / Lot A		5	15-Jul-23	21-Jul-23													
<b>OBG LIMEROCK / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
<b>OBG 4" LIMEROCK / SHARED USE PATH / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1320	D/S 4" Limerock / Shared Use Path / BP / Lot A		1	21-Jul-23	22-Jul-23													
CO-BP-LA-1340	FGC Subgrade / Shared Use Path / BP / Lot A		1	22-Jul-23	24-Jul-23													
<b>OBG 8" LIMEROCK / PARKING LOT / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1370	D/S 8" Limerock / Parking Lot / BP / Lot A		6	22-Jul-23	29-Jul-23													
CO-BP-LA-1390	FGC Subgrade / Parking Lot / BP / Lot A		6	28-Jul-23	04-Aug-23													
CO-BP-LA-1420	Curb & Gutter / Parking Lot / BP / Lot A		5	03-Aug-23	09-Aug-23													
<b>PAVING / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1450	Asphalt Paving / BP / Lot A		3	09-Aug-23	12-Aug-23													
CO-BP-LA-1530	Asphalt Paving Cure / BP / Lot A		15	12-Aug-23	27-Aug-23													
<b>CONCRETE WORK / LOT A / BASE PROPOSAL CONSTRUCTION</b>																		
CO-BP-LA-1430	FGC Flatwork / BP / Lot A		2	24-Jul-23	26-Jul-23													
CO-BP-LA-1460	Concrete Shared Use Path 6" / BP / Lot A		10	03-Aug-23	15-Aug-23													
CO-BP-LA-1560	Detectable Warnings / BP / Lot A		2	12-Aug-23	15-Aug-23													



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



Activity ID	Activity Name	OD	Start	Finish	Total Float	2023												2024	
						Mar-1	Apr-1	May-2	Jun-3	Jul-4	Aug-5	Sep-6	Oct-7	Nov-8	Dec-9	Jan-10			
O&G LIMEROCK / LOT B / BASE PROPOSAL CONSTRUCTION																			
O&G-B-1370 D/S 8" Limerock / Parking Lot / BP / Lot B																			
O&G-B-1390 FGC Subgrade / Parking Lot / BP / Lot B																			
O&G-B-1420 Curb & Gutter / Parking Lot / BP / Lot B																			
O&G-B-1440 Prime And Sand / Parking Lot / BP / Lot B																			
PAVING / LOT B / BASE PROPOSAL CONSTRUCTION																			
CO-BP-LB-1480 Asphalt Paving / BP / Lot B																			
CO-BP-LB-1530 Asphalt Paving Cure / BP / Lot B																			
CONCRETE WORK / LOT B / BASE PROPOSAL																			
CO-BP-LB-1430 FGC Flatwork / BP / Lot B																			
CO-BP-LB-1560 Detectable Warnings / BP / Lot B																			
CO-BP-LB-1460 Concrete Sidewalk 4" / BP / Lot B																			
PAVEMENT MARKINGS & SIGNS / LOT B / BASE PROPOSAL CONSTRUCTION																			
CO-BP-LB-1580 Pavement Markings & Signs / BP / Lot B																			
HARDSCAPE & FURNISHINGS / LOT B / BASE PROPOSAL																			
CO-BP-LB-1470 F&R-P Site Pad / BP / Lot B																			
CO-BP-LB-1510 F&I Trash Receptacle / BP / Lot B																			
LANDSCAPING / LOT B / BASE PROPOSAL																			
CO-BP-LB-1160 Irrigation System / BP / Lot B																			
CO-BP-LB-1150 Performance Turf, Sod & Small Plants / BP / Lot B																			
GATES AND FENCING / PARKING LOT B / BASE PROPOSAL																			
CO-BP-LB-1400 Install Fence / BP / Lot B																			
CO-BP-LB-1410 Install Access Gates / BP / Lot B																			
CO-BP-LB-1430 Install Temp Ganties (Wood Pole & Arm) / BP / Lot B																			
CO-BP-LB-1540 Coordinate Mounting Surpass Transponder Equipment (by GOAA's Contractor) Using the Temp Ganties / BP / Lot B																			
CO-BP-LB-1590 Install Perm Ganties / BP / Lot B																			
CO-BP-LB-1600 Install Access Equipment & Coordinate Relocating Surpass Transponder (by GOAA's Contractor) / BP / Lot B																			
CO-BP-LB-1610 Remove Temp Ganties (Wood Pole & Arm) / BP / Lot B																			
PUNCH LIST & CLOSE OUT / BASE PROPOSAL / PARKING LOTS A & B																			
CLO-BP-1000 Punch List Submission (5 Days Prior to Substantial Completion) / BP / Lots A & B																			
CLO-BP-1010 OAR Preliminary Inspection / BP / Lots A & B																			
CLO-BP-1020 OAR Substantial Completion Inspection / BP / Lots A & B																			
CLO-BP-1030 Punch, As-Built & Close Out Documents / BP / Lots A & B																			
ADDITIVE ALTERNATE 1 / EV CHARGING STATIONS INFRASTRUCTURE / PARKING LOTS A & B																			
DESIGN / ALT 1 / EV CHARGING STATIONS INFRASTRUCTURE / LOTS A & B																			
ELECTRICAL 80% DESIGN PACKAGE / ALT 1 / EV CHARGING STATIONS INFRASTRUCTURE / LOTS A & B																			
DES-A1-1000 Prepare Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B																			
DES-A1-1010 Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal																			
DES-A1-1020 Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval																			
ELECTRICAL FINAL DESIGN PACKAGE / ALT 1 / EV CHARGING STATIONS INFRASTRUCTURE / LOTS A & B																			
DES-A1-1030 Resolve Comments/Prepare Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B																			
DES-A1-1040 Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal																			
DES-A1-1050 Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval																			
DES-A1-1060 Resolve Comments/Prepare Electrical RFC Plans / A11 / EV Charging Station Infrastructure for Lots A & B																			
DES-A1-1070 Issue Electrical RFC Plans / A11 / EV Charging Station Infrastructure for Lots A & B																			
PRE-CONSTRUCTION & PROCUREMENT / ALT 1 / EV CHARGING STATIONS INFRASTRUCTURE / LOTS A & B																			
SUB-A1-1000 Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal																			
REV-A1-1000 Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval																			
PRO-A1-1000 Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Fab & Delivery																			
CONSTRUCTION / ALT 1 / EV CHARGING STATIONS INFRASTRUCTURE / LOTS A & B																			
CO-A1-1000 Install EV Charging Station Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B																			
ADDITIVE ALTERNATE 2 / PARKING LOT C-2																			
DESIGN / ALTERNATE 2 / PARKING LOT C-2																			
DESIGN SURVEY / ALTERNATE 2 / PARKING LOT C-2																			
DES-A2-1000 Data Collection and Design Survey / A12 / Lot C-2																			
DESIGN GEOTECH / ALTERNATE 2 / PARKING LOT C-2																			

D/S 8" Limerock / Parking Lot / BP / Lot B

FGC Subgrade / Parking Lot / BP / Lot B

Curb & Gutter / Parking Lot / BP / Lot B

Prime And Sand / Parking Lot / BP / Lot B

Asphalt Paving / BP / Lot B

Asphalt Paving Cure / BP / Lot B

FGC Flatwork / BP / Lot B

Detectable Warnings / BP / Lot B

Concrete Sidewalk 4" / BP / Lot B

Pavement Markings & Signs / BP / Lot B

F&R-P Site Pad / BP / Lot B

F&I Trash Receptacle / BP / Lot B

Irrigation System / BP / Lot B

Performance Turf, Sod & Small Plants / BP / Lot B

Install Fence / BP / Lot B

Install Access Gates / BP / Lot B

Install Temp Ganties (Wood Pole & Arm) / BP / Lot B

Coordinate Mounting Surpass Transponder Equipment (by GOAA's Contractor) Using the Temp Ganties / BP / Lot B

Install Perm Ganties / BP / Lot B

Install Access Equipment & Coordinate Relocating Surpass Transponder (by GOAA's Contractor) / BP / Lot B

Remove Temp Ganties (Wood Pole & Arm) / BP / Lot B

Punch List Submission (5 Days Prior to Substantial Completion) / BP / Lots A & B

OAR Preliminary Inspection / BP / Lots A & B

OAR Substantial Completion Inspection / BP / Lots A & B

Punch, As-Built & Close Out Documents / BP / Lots A & B

Prepare Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B

Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal

Electrical 80% Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval

Resolve Comments/Prepare Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B

Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal

Electrical Final Design Package / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval

Resolve Comments/Prepare Electrical RFC Plans / A11 / EV Charging Station Infrastructure for Lots A & B

Issue Electrical RFC Plans / A11 / EV Charging Station Infrastructure for Lots A & B

Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Submittal

Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Review & Approval

Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B - Fab & Delivery

Install EV Charging Station Electrical & Fiber Conducts / A11 / EV Charging Station Infrastructure for Lots A & B

Data Collection and Design Survey / A12 / Lot C-2

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Date Data: 03-Apr-23Project Finish Date: 17-Nov-23

Data Date: 03-Apr-23

Project Finish Date: 17-Nov-23

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



Activity ID	Activity Name	CO	Start	Finish	Total Float	2023												2024	
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
PER-A2-1150	Respond to RAI and Resubmit / A82 / Lot C-2		2	26-Jun-23	27-Jun-23														
PER-A2-1160	Issue SFVMD Permit Modification / A82 / Lot C-2		30	27-Jun-23	27-Jul-23														
<b>CITY OF ORLANDO PERMIT (ELECTRICAL SYSTEMS) / PERMITTING ACTIVITIES / ALTERNATE 2 / LOT C-2</b>						29	11-May-23	16-Jun-23	80										
PER-A2-1070	Submit City of Orlando Permit (Electrical Systems) / A82 / Lot C-2		5	11-May-23	17-May-23														
PER-A2-1100	City of Orlando Permit (Electrical Systems) Review / A82 / Lot C-2		30	17-May-23	16-Jun-23														
PER-A2-1140	Obtain City of Orlando Permit (Electrical Systems) Permit / A82 / Lot C-2		0	16-Jun-23															
<b>NPDES PERMIT / PERMITTING ACTIVITIES / ALTERNATE 2 / LOT C-2</b>						6	20-Apr-23	27-Apr-23	119										
PER-A2-1000	Submit NPDES Permit Application / A82 / Lot C-2		1	20-Apr-23	20-Apr-23														
PER-A2-1010	NPDES Review / A82 / Lot C-2		5	21-Apr-23	27-Apr-23														
PER-A2-1020	Obtain NPDES Permit / A82 / Lot C-2		0	27-Apr-23															
<b>GOAA MASTER DEWATERING PERMIT / PERMITTING ACTIVITIES / ALTERNATE 2 / LOT C-2</b>						12	04-May-23	19-May-23	103										
PER-A2-1030	Submit GOAA's Master Dewatering Permit Modification / A82 / Lot C-2		2	04-May-23	05-May-23														
PER-A2-1040	GOAA Review Master Dewatering Permit Modification / A82 / Lot C-2		10	08-May-23	19-May-23														
PER-A2-1120	Obtain GOAA's Master Dewatering Permit / A82 / Lot C-2		0	19-May-23															
<b>GOAA HORIZONTAL PERMIT / PERMITTING ACTIVITIES / ALTERNATE 2 / LOT C-2</b>						7	16-May-23	24-May-23	100										
PER-A2-1090	Submit GOAA's Horizontal Permit / A82 / Lot C-2		2	16-May-23	17-May-23														
PER-A2-1090	GOAA Review Horizontal Permit / A82 / Lot C-2		5	18-May-23	24-May-23														
PER-A2-1130	Obtain GOAA's Horizontal Permit / A82 / Lot C-2		0	24-May-23															
<b>PRE-CONSTRUCTION / ALTERNATE 2 / PARKING LOT C-2</b>						111	25-Apr-23	29-Sep-23	54										
<b>SUBMITTALS / ALTERNATE 2 / PARKING LOT C-2</b>						27	25-Apr-23	01-Jun-23	119										
SUB-A2-1000	Work Plan (Safety & QA/QC Plans) / A82 / Lot C-2 - Submittal		5	25-Apr-23	01-May-23														
SUB-A2-1010	Existing Site Condition (Video CDS) / A82 / Lot C-2 - Submittal		5	25-Apr-23	01-May-23														
SUB-A2-1020	Inlets / Manholes / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1030	Light Poles (Aluminum) / A82 / Lot C-2 - Submittal		20	04-May-23	01-Jun-23														
SUB-A2-1040	Asphalt Paving / Mix Design / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1050	Permanent Signs / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1060	Storm Dewatering Plan / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1070	Drainage Pipe / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1080	Gantries / A82 / Lot C-2 - Submittal		15	04-May-23	24-May-23														
SUB-A2-1090	Access Equipment / A82 / Lot C-2 - Submittal		15	04-May-23	24-May-23														
SUB-A2-1100	Canopy (Alternate 2) / A82 / Lot C-2 - Submittal		15	04-May-23	24-May-23														
SUB-A2-1110	Pond Dewatering Plan / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1120	Temp Gantries (Wood Pole & Arm) / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1130	Electrical Conduit & Wires / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1140	Fire Protection Water Main, Pipe & Accessories / A82 / Lot C-2 - Submittal		10	04-May-23	17-May-23														
SUB-A2-1150	Fire Hydrant / BP / Lots A & B - Submittal		10	04-May-23	17-May-23														
SUB-A2-1160	Fence / A82 / Lot C-2 - Submittal		10	18-May-23	01-Jun-23														
SUB-A2-1170	Access Gates / A82 / Lot C-2 - Submittal		10	18-May-23	01-Jun-23														
<b>REVIEW &amp; APPROVAL / ALTERNATE 2 / PARKING LOT C-2</b>						27	05-May-23	08-Jun-23	119										
REVA2-1000	Work Plan (Safety & QA/QC Plans) / A82 / Lot C-2 - Review & Approval		5	02-May-23	08-May-23														
REVA2-1010	Existing Site Condition (Video CDS) / A82 / Lot C-2 - Review & Approval		5	02-May-23	08-May-23														
REVA2-1020	Inlets / Manholes / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1030	Permanent Signs / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1040	Storm Dewatering Plan / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1050	Asphalt Paving / Mix Design / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1060	Drainage Pipe / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1070	Pond Dewatering Plan / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1080	Temp Gantries (Wood Pole & Arm) / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1090	Electrical Conduit & Wires / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1100	Fire Protection Water Main, Pipe & Accessories / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1110	Fire Hydrant / A82 / Lot C-2 - Review & Approval		5	18-May-23	24-May-23														
REVA2-1140	Gantries / A82 / Lot C-2 - Review & Approval		5	25-May-23	01-Jun-23														
REVA2-1150	Access Equipment / A82 / Lot C-2 - Review & Approval		5	25-May-23	01-Jun-23														
REVA2-1160	Canopy (Alternate 2) / A82 / Lot C-2 - Review & Approval		5	25-May-23	01-Jun-23														
REVA2-1120	Light Poles (Aluminum) / A82 / Lot C-2 - Review & Approval		5	02-Jun-23	08-Jun-23														







Activity ID	Activity Name	CD	Start	Finish	Total Float	2023												2024
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	2024
COA2-1340	D/S Limerock / Stab / Parking Lot / AB2 / Lot C-2		5/21-Jul-23	27-Jul-23	85													
COA2-1350	Mix Subgrade / Stab / Parking Lot / AB2 / Lot C-2		5/24-Jul-23	29-Jul-23	85													
COA2-1360	C/G Subgrade / Stab / Parking Lot / AB2 / Lot C-2		5/26-Jul-23	01-Aug-23	85													
<b>OBG LIMEROCK / LOT C-2 / ALTERNATE 2</b>																		
COA2-1370	D/S 8" or 10" Limerock / Parking Lot / AB2 / Lot C-2		5/28-Jul-23	03-Aug-23	85													
COA2-1380	FGC Subgrade / Parking Lot / AB2 / Lot C-2		5/01-Aug-23	07-Aug-23	85													
COA2-1400	Curb & Gutter / Parking Lot / AB2 / Lot C-2		5/03-Aug-23	09-Aug-23	85													
COA2-1420	Prime And Sand / Parking Lot / AB2 / Lot C-2		1/09-Aug-23	10-Aug-23	85													
<b>PAVING / LOT C-2 / ALTERNATE 2</b>																		
COA2-1430	Asphalt Paving / AB2 / Lot C-2		5/10-Aug-23	16-Aug-23	85													
COA2-1460	Asphalt Paving Bus Lane / AB2 / Lot C-2		1/16-Aug-23	17-Aug-23	85													
COA2-1480	Asphalt Paving Cure / AB2 / Lot C-2		15/17-Aug-23	01-Sep-23	103													
<b>CONCRETE WORK / LOT C-2 / ALTERNATE 2</b>																		
COA2-1000	FGC Network / AB2 / Lot C-2		4/01-Aug-23	05-Aug-23	88													
COA2-1040	Defectable Warnings / AB2 / Lot C-2		4/02-Aug-23	07-Aug-23	101													
COA2-1050	Concrete Sidewalk 4" / AB2 / Lot C-2		20/05-Aug-23	29-Aug-23	88													
<b>PAVEMENT MARKINGS &amp; SIGNS / LOT C-2 / ALTERNATE 2</b>																		
COA2-1500	Pavement Markings & Signs / AB2 / Lot C-2		4/18-Sep-23	22-Sep-23	72													
<b>HARDSCAPE &amp; FURNISHINGS / LOT C-2 / ALTERNATE 2</b>																		
COA2-1020	F-R-P Site Pad / AB2 / Lot C-2		30/05-Aug-23	16-Sep-23	73													
COA2-1030	FBI Trash Receptacle / AB2 / Lot C-2		2/12-Aug-23	15-Aug-23	100													
COA2-1450	F-R-P Footings and Install Canopy Steel Structure at Bus Stop / AB2 / Lot C-2		15/30-Aug-23	18-Sep-23	72													
<b>LANDSCAPING / LOT C-2 / ALTERNATE 2</b>																		
COA2-1220	Irrigation System / AB2 / Lot C-2		15/07-Jun-23	24-Jun-23	147													
COA2-1210	Performance Turf, Sod & Small Plants / AB2 / Lot C-2		15/05-Jun-23	27-Jun-23	145													
<b>GATES AND FENCING / LOT C-2 / ALTERNATE 2</b>																		
COA2-1390	Install Fence / AB2 / Lot C-2		15/12-Aug-23	30-Aug-23	89													
COA2-1410	Install Access Gates / AB2 / Lot C-2		15/12-Aug-23	30-Aug-23	89													
COA2-1440	Install Temp Ganties (Wood Pole & Arm) / AB2 / Lot C-2		4/28-Aug-23	01-Sep-23	93													
COA2-1470	Coordinate Mounting Surpass Transponder Equipment (by GOAA's Contractor) Using the Temp Ganties / AB2 / Lot C-2		2/01-Sep-23	05-Sep-23	93													
COA2-1510	Install Perm Ganties / AB2 / Lot C-2		3/04-Oct-23	07-Oct-23	57													
COA2-1520	Install Access Equipment & Coordinate Relocating Surpass Transponder (by GOAA's Contractor) / AB2 / Lot C-2		2/07-Oct-23	10-Oct-23	57													
COA2-1530	Remove Temp Ganties (Wood Pole & Arm) / AB2 / Lot C-2		1/05-Oct-23	10-Oct-23	56													
<b>PUNCH LIST &amp; CLOSE OUT / LOT C-2 / ALTERNATE 2</b>																		
CLQA2-1000	Punch List Submission (5 Days Prior to Substantial Completion) / AB2 / Lot C-2		1/11-Oct-23	11-Oct-23	47													
CLQA2-1010	OAR Preliminary Inspection / AB2 / Lot C-2		1/12-Oct-23	13-Oct-23	47													
CLQA2-1020	OAR Substantial Completion Inspection / AB2 / Lot C-2		3/13-Oct-23	18-Oct-23	47													
CLQA2-1030	Punch As-Built & Close Out Documents / AB2 / Lot C-2		30/18-Oct-23	17-Nov-23	70													
<b>ADDITIVE ALTERNATE 3 / EV CHARGING STATIONS INFRASTRUCTURE / PARKING LOT C-2</b>																		
<b>DESIGN / ALT 3 / EV CHARGING STATIONS INFRASTRUCTURE / LOT C-2</b>																		
<b>ELECTRICAL 80% DESIGN PACKAGE / ALT 3 / EV CHARGING STATIONS INFRASTRUCTURE / LOT C-2</b>																		
DES-A3-1000	Prepare Electrical 80% Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2		5/02-May-23	08-May-23	105													
DES-A3-1010	Electrical 80% Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2 - Submittal		0/08-May-23	08-May-23	105													
DES-A3-1020	Electrical 80% Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2 - Review & Approval		5/09-May-23	15-May-23	105													
<b>ELECTRICAL FINAL DESIGN PACKAGE / ALT 3 / EV CHARGING STATIONS INFRASTRUCTURE / LOT C-2</b>																		
DES-A3-1030	Resolve Comments/Prepare Electrical Final Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2		5/07-Jun-23	13-Jun-23	90													
DES-A3-1040	Electrical Final Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2 - Submittal		0/13-Jun-23	13-Jun-23	90													
DES-A3-1050	Electrical Final Design Package / AB3 / EV Charging Station Infrastructure for Lot C-2 - Review & Approval		5/14-Jun-23	20-Jun-23	90													
DES-A3-1060	Resolve Comments/Prepare Electrical RFC Plans / AB3 / EV Charging Station Infrastructure for Lot C-2		2/21-Jun-23	22-Jun-23	90													
DES-A3-1070	Issue Electrical RFC Plans / AB3 / EV Charging Station Infrastructure for Lot C-2		0/22-Jun-23	22-Jun-23	90													
<b>PRE-CONSTRUCTION &amp; PROCUREMENT / ALT 3 / EV CHARGING STATIONS INFRASTRUCTURE / LOT C-2</b>																		
SUB-A3-1000	Electrical & Fiber Conducts / AB3 / EV Charging Station Infrastructure for Lot C-2 - Submittal		5/04-May-23	10-May-23	90													
REV-A3-1000	Electrical & Fiber Conducts / AB3 / EV Charging Station Infrastructure for Lot C-2 - Review & Approval		5/11-May-23	17-May-23	93													
PRO-A3-1000	Electrical & Fiber Conducts / AB3 / EV Charging Station Infrastructure for Lot C-2 - Fab & Delivery		20/17-May-23	06-Jun-23	134													
<b>CONSTRUCTION / ALT 3 / EV CHARGING STATIONS INFRASTRUCTURE / LOT C-2</b>																		
COA3-1000	Install EV Charging Station Electrical & Fiber Conducts / AB3 / EV Charging Station Infrastructure for Lot C-2		8/19-Jun-23	28-Jun-23	85													

Data Date: 03-Apr-23

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## 4.2 PLANS

4.2



**Figure 1**  
**OVERVIEW PLAN**



LEGEND:

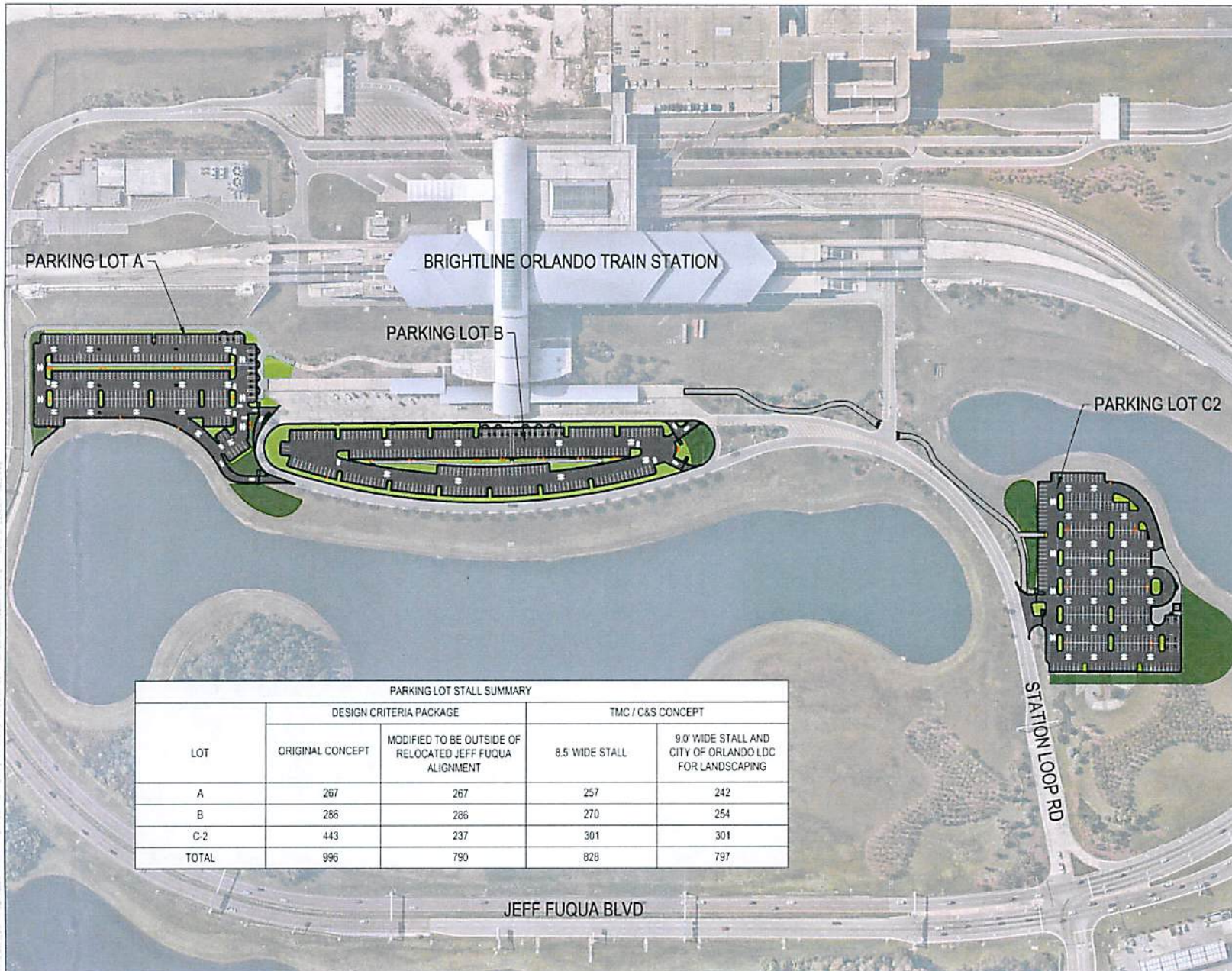
- LANDSCAPING AREA
- RAISED BERM
- ASPHALT PAVEMENT AREA
- SIDEWALK / TRAIL PATH
- LIGHT POLE
- DRAINAGE INLET

NOTE: EXISTING LANDSCAPING  
WILL BE REUSED

0 100 200

SCALE : 1" = 200'








PARKING LOT STALL SUMMARY				
LOT	DESIGN CRITERIA PACKAGE		TMC / C&S CONCEPT	
	ORIGINAL CONCEPT	MODIFIED TO BE OUTSIDE OF RELOCATED JEFF FUQUA ALIGNMENT	8.5' WIDE STALL	9.0' WIDE STALL AND CITY OF ORLANDO LDC FOR LANDSCAPING
A	267	267	257	242
B	286	286	270	254
C-2	443	237	301	301
TOTAL	996	790	828	797



Train Station Passenger  
Drop-off Lobby Parking Lot





 LANDSCAPING AREA  
 RAISED BERM  
 ASPHALT PAVEMENT AREA  
 SIDEWALK / TRAIL PATH  
 - X - X - PROPOSED FENCE  
 LIGHT POLE  
 DRAINAGE INLET

0 25 50  
SCALE : 1" = 50'

Train Station Passenger  
Drop-off Lobby Parking Lot





Figure 3

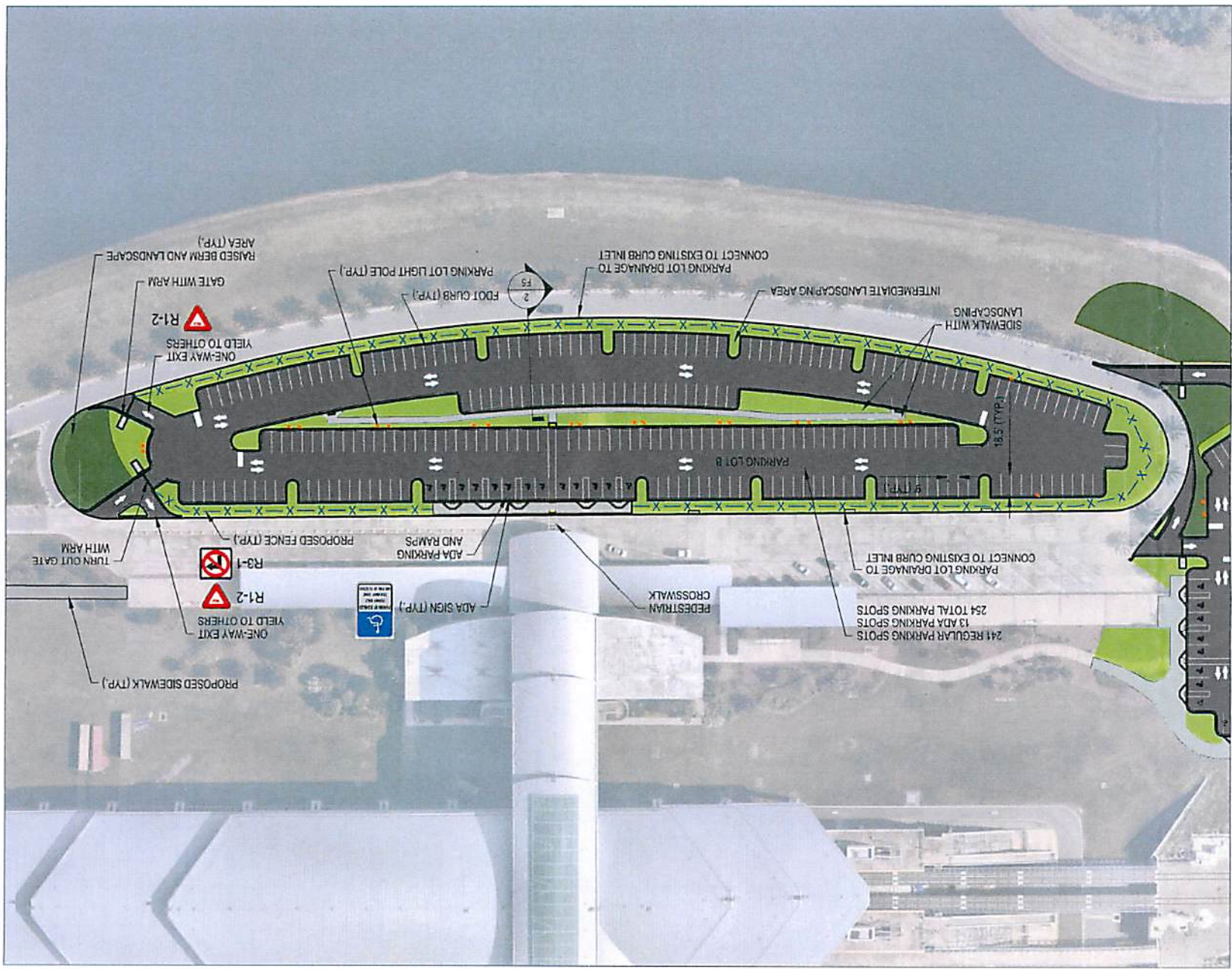
PARKING LOT B



SCALE : 1" = 80'

0 40 80

Drop-off Lobby Passenger Lot







**Figure 4**  
**PARKING LOT C-2**

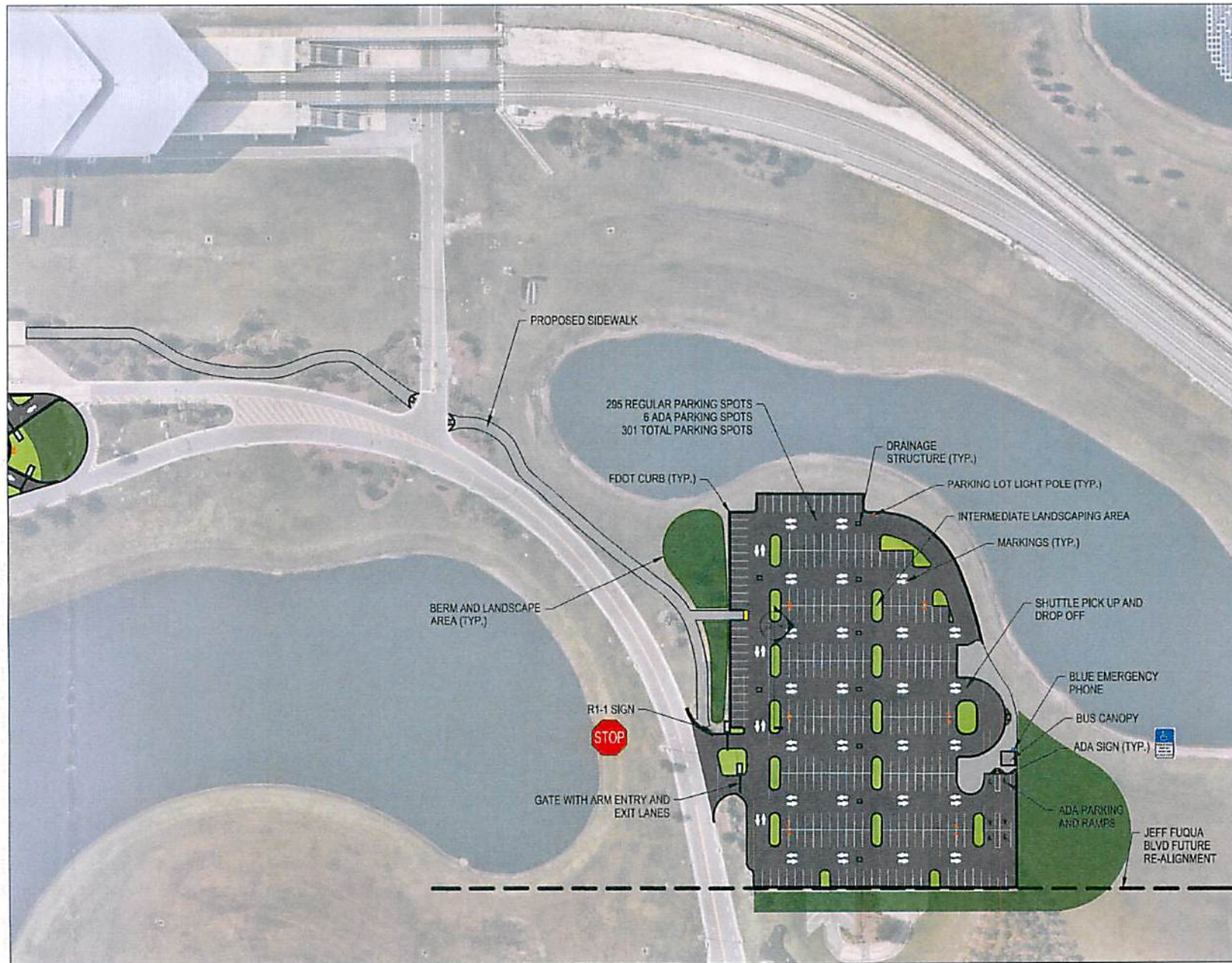


LEGEND:

-  LANDSCAPING AREA
-  RAISED BERM
-  ASPHALT PAVEMENT AREA
-  SIDEWALK / TRAIL PATH
-  LIGHT POLE
-  DRAINAGE INLET

NOTE: EXISTING LANDSCAPING  
WILL BE REUSED

0 50 100  
SCALE : 1" = 100'



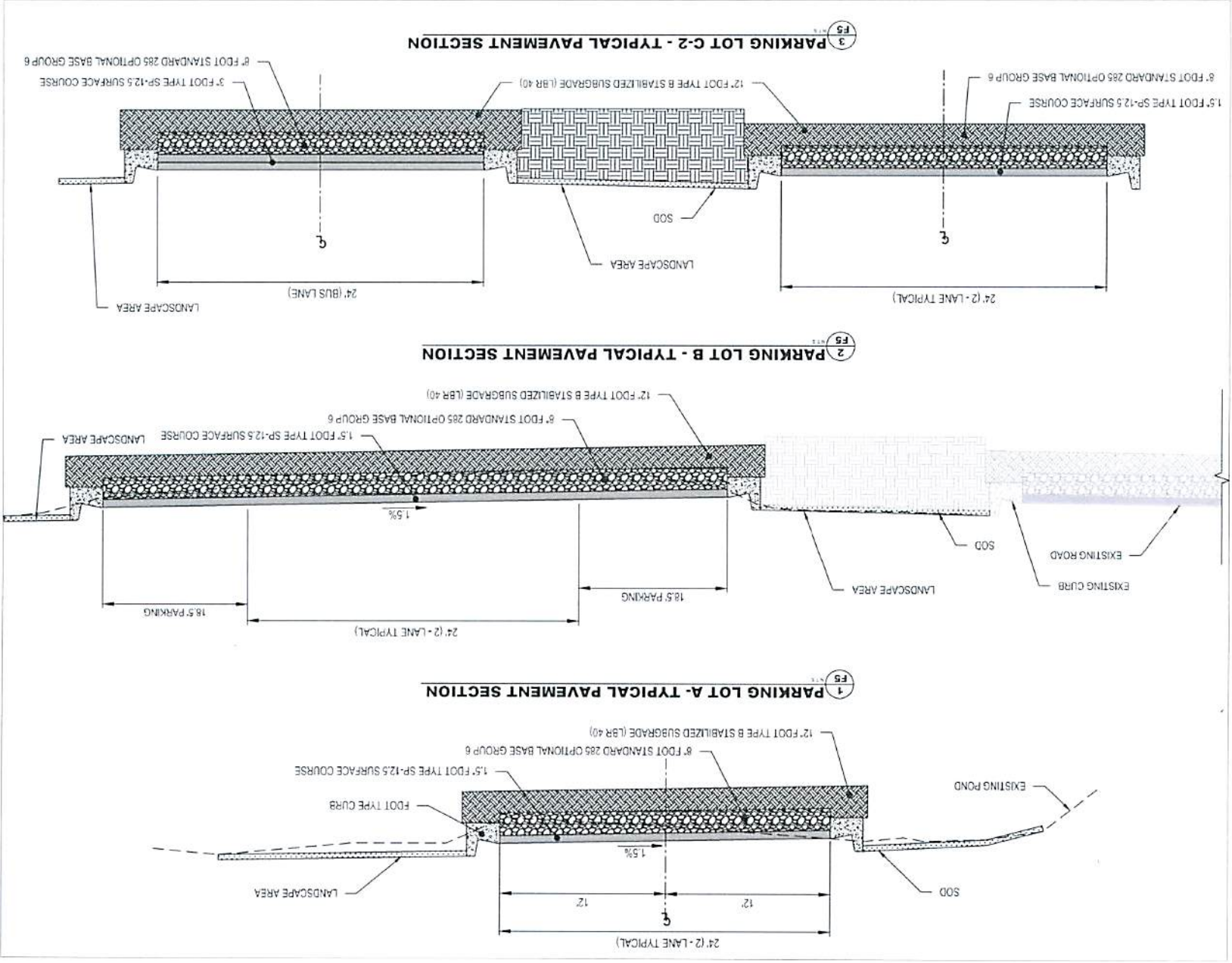
Train Station Passenger  
Drop-off Lobby Parking Lot





**Figure 5**

**TYPICAL SECTIONS**



NOT TO SCALE

Drop-off Lobby Passenger  
Train Station Parking Lot

Source



## 4.3 ADDENDUM ACKNOWLEDGEMENT

# 4.3



Acknowledgment is hereby made of the following Addenda (identified by number) received since issuance of the Plans and Specifications:

ADDENDA	DATE
1	2/22/2023
2	2/23/2023
3	3/2/2023
4	3/6/2023

ADDENDA	DATE

### **PUBLIC ENTITY CRIMES ACT**

The Proposer represents that it is not precluded from submitting a Proposal under Section 287.133(2)(a), which provides as follows: "A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount set forth in Florida Statutes s.287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list."

### **MWBE/LDB/VBE PROGRAM ACKNOWLEDGEMENT**

By submitting a Proposal on this Project, Proposer represents that it has reviewed and familiarized itself with the Owner's Minority and Woman Business Enterprise Policy (MWBE), the Local Developing-Business Program Policy (LDB) and the Veterans Business Enterprise (VBE). See the Instructions to Proposers for the MWBE Participation Goal and the LDB/VBE Participation Goal.

### **SCRUTINIZED COMPANY CERTIFICATION**

By submitting a Proposal on this Project:

- A. (applicable to all agreements, regardless of value) – Proposer hereby certifies that it is not on the Scrutinized Companies that Boycott Israel List and is not engaged in a boycott of Israel, as defined in Florida Statutes § 287.135, as amended;

AND

- A. (applicable to agreements that may be \$1,000,000 or more) - Proposer hereby certifies that it is:  
(1) not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List as defined in Florida Statutes § 287.135; and (2) not engaged in business operations in Cuba or Syria, as defined in Florida Statutes § 287.135, as amended.

### **TEXTING WHEN DRIVING**



## 4.4 CERTIFICATE OF GOOD STANDING

4.4





William Francis Galvin  
Secretary of the  
Commonwealth

*The Commonwealth of Massachusetts*  
*Secretary of the Commonwealth*  
*State House, Boston, Massachusetts 02133*

Date: February 28, 2023

To Whom It May Concern :

I hereby certify that according to the records of this office,

**THE MIDDLESEX CORPORATION**

is a domestic corporation organized on **January 23, 1974** , under the General Laws of the Commonwealth of Massachusetts. I further certify that there are no proceedings presently pending under the Massachusetts General Laws Chapter 156D section 14.21 for said corporation's dissolution; that articles of dissolution have not been filed by said corporation; that, said corporation has filed all annual reports, and paid all fees with respect to such reports, and so far as appears of record said corporation has legal existence and is in good standing with this office.



In testimony of which,

I have hereunto affixed the

Great Seal of the Commonwealth

on the date first above written.

*William Francis Galvin*

Secretary of the Commonwealth

Certificate Number: 23020603860

Verify this Certificate at: <http://corp.sec.state.ma.us/CorpWeb/Certificates/Verify.aspx>

Processed by: Bod