

City of Lake Alfred  
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Lake Alfred, FL 33850



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**AGENDA**  
**CITY COMMISSION MEETING**  
**MONDAY APRIL 4, 2016**  
**7:30 P.M.**  
**CITY HALL**

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**CALL TO ORDER: MAYOR CHARLES LAKE**

**INVOCATION AND PLEDGE OF ALLEGIANCE: PASTOR JONES**

**ROLL CALL: CITY CLERK AMEÉ BAILEY**

**CITY MANAGER & CITY ATTORNEY ANNOUNCEMENTS**

**RECOGNITION OF CITIZENS: ITEMS NOT ON AGENDA**

**EMPLOYEE OF THE QUARTER: DANNY CLEWIS**  
**CAFR PRESENTATION**  
**ANNUAL AUDIT AND FINANCIAL STATEMENTS FOR FY ENDING 9/30/2015**  
**PROCLAMATION: FLORIDA WATER PROFESSIONALS MONTH**

**CONSENT AGENDA:**

- 1.) CITY COMMISSION MEETING MINUTES FOR MARCH 21, 2016.
- 2.) CITY COMMISSION ANNOUNCEMENTS

**AGENDA**

- 1.) ORDINANCE 1364-16: BOARDS AND COMMITTEES
- 2.) RESOLUTION 01-16: FDOT COMMUNITY AESTHETIC FEATURE AGREEMENT
- 3.) RESOLUTION 02-16: FDOT PROJECT MAINTENANCE AGREEMENT
- 4.) STREET RESURFACING PRIORITY LIST

**RECOGNITION OF CITIZENS (PLEASE LIMIT YOUR COMMENTS TO 5 MINUTES.)**

**COMMISSIONER QUESTIONS AND COMMENTS:**

**MAYOR LAKE**  
**VICE MAYOR DALEY**  
**COMMISSIONER DUNCAN**  
**COMMISSIONER DEARMIN**  
**COMMISSIONER MAULTSBY**

**ADJOURN**



# *Proclamation*

To recognize and celebrate April as Florida Water Professionals Month.

**WHEREAS**, the Florida Water & Pollution Control Operators Association is a statewide organization composed of water industry professionals who dedicate themselves to the production and distribution of safe drinking water, as well as the proper collection, treatment, reuse, and disposal of wastewater and stormwater; and

**WHEREAS**, this organization is committed to protecting the health of Florida's citizens and our state's natural resources, and supports the training, certification, and licensing of water industry personnel as a means to achieve these goals; and

**WHEREAS**, this organization, in recognizing the importance of the Florida Statutes and Administrative Code that regulate the water industry, acts as liaison between the Florida Department of Environmental Protection and industry personnel; and

**WHEREAS**, each year the Florida Water & Pollution Control Operators Association recognizes all those who have played a significant part in operating and maintaining drinking water, wastewater, and stormwater systems in Florida by celebrating *Florida Water Professionals Month*, which applauds their constant efforts to protect our health and environment.

**THEREFORE**, BE IT RESOLVED that the City of Lake Alfred formally recognize April 2016 as

## **"Florida Water Professionals Month"**

In the City of Lake Alfred is calling upon each citizen and business to join us in thanking all water and wastewater professional staff for their hard work and dedication to preserving Florida's water resources.

**IN WITNESS WHEREOF**, I have hereunder set my hand this 4<sup>th</sup> day of April, 2016.

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Charles Lake, Mayor  
City of Lake Alfred, Florida

**LAKE ALFRED CITY COMMISSION MEETING  
APRIL 4, 2016**

**CONSENT AGENDA**

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**1.) MARCH 21, 2016 CITY COMMISSION MEETING MINUTES**

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**ATTACHMENTS:**

- Draft Minutes

**ANALYSIS:** Please review the minutes at your earliest convenience and if there are any questions, comments or concerns please contact the City Clerk, Ameen Bailey at (863) 291-5747.

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**2.) CITY COMMISSION ANNOUNCEMENTS**

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**ANALYSIS:** Each of the meetings/ events scheduled below may constitute a public meeting at which two or more City Commissioners or Planning Board Members may attend and discuss issues that may come before the City Commissioners.

- Legislative Wrap-up on April 7<sup>th</sup> at 11:30 am in the Stuart Center in Bartow.
- Ridge League of Cities Dinner on April 14<sup>th</sup> at 6 pm in the Ben Hill Griffin Hall at the UF Research Center in Lake Alfred
- Economic Summit on April 15<sup>th</sup> from 7:30 am to noon at the Lake Eva Banquet Hall in Haines City.

**DRAFT MINUTES**  
**CITY OF LAKE ALFRED**  
**CITY COMMISSION MEETING**  
**MONDAY MARCH 21, 2016**  
**7:30 P.M.**  
**CITY HALL**

**Call to Order:** Mayor Charles Lake

**Invocation and Pledge of Allegiance:** Pastor Strawn

**Roll Call:** Those in attendance were Mayor Charles Lake, Vice Mayor Nancy Daley, Commissioner John Duncan, Commissioner Jack Dearmin, and Commissioner Albertus Maultsby.

Staff attendance: City Manager Ryan Leavengood, Assistant City Attorney Seth Claytor, City Clerk Ameé Bailey-Speck, Parks and Recreation Director Richard Weed, Police Chief Art Bodenheimer, Finance Director Amber Deaton, and Public Works Director John Deaton.

**CITY MANAGER ANNOUNCEMENTS**

**City Manager Leavengood** stated the Lake Alfred Public Library will be hosting several events over the next two weeks including the Mobile Career Source, SPCA Wellness Wagon, Teen Advisory Committee, and a second Easter Egg Hunt. The Easter egg hunt will be on Wednesday, March 23<sup>rd</sup> from 10 till 11 am for kids five and under. Also the Library will be closed for inventory April 4<sup>th</sup> thru the 9<sup>th</sup>. They will reopen on Monday, April 11<sup>th</sup> at 9 am. Contact the Public Library for more information.

Mackay Gardens and Lakeside Preserve will host a free gardening workshop on Thursday April 7<sup>th</sup> at 10 am and a guided nature walk on Sunday April 10<sup>th</sup> at 2 pm. Contact the Parks and Recreation Department for additional details.

The next Historical Building plaque dedication is scheduled for April 7<sup>th</sup>. The dedication ceremony will be held at the Lake Alfred Hotel (Southern Gardens), 255 Main Street, at 9 am. The program would include light refreshments, dignitary comments, unveiling the plaque and photos.

The City is currently accepting applications summer camp which will run June 20<sup>th</sup> – August 12<sup>th</sup> at the Lake Alfred's Lions Club. Check out the website to see the list of fieldtrips and for the application.

**CITY ATTORNEY ANNOUNCEMENTS**

There were no announcements.

**RECOGNITION OF CITIZENS**

**Jean Brittan**, 370 South Echo Dr., thanked the Mayor for the Monday Morning speaker. She also thanked the City for the fencing at the playground and progress towards the demotion of two homes in the neighborhood. She commented on a drainage issue on South Echo Dr. She

stated the drains are covered with leaves. She also mentioned the drains near the fishing pier. She stated she is concerned about the 17/92 intersection. They have a difficult time crossing several lanes to access Echo Terrace. She asked if the speed limit could be reduced to 35 mph around the curve. Her last comment addressed potholes that need filling and the sidewalks need to be checked for breaks.

**City Manager Leavengood** stated the City will check the drains; may be able to use asphalt millings to compact and roll the potholes; and review the sidewalk for repairs. He stated that the speed limit on 17/92 is regulated by FDOT. The City can inquire, but it is under state control.

### **CONSENT AGENDA:**

**Commissioner Dearmin** moved to approve the consent agenda; seconded by **Commissioner Duncan** and the motion was approved by unanimous voice call vote.

<b>MAYOR LAKE</b>	<b>AYE</b>
<b>VICE MAYOR DALEY</b>	<b>AYE</b>
<b>COMMISSIONER DUNCAN</b>	<b>AYE</b>
<b>COMMISSIONER DEARMIN</b>	<b>AYE</b>
<b>COMMISSIONER MAULTSBY</b>	<b>AYE</b>

### **AGENDA**

#### **1.) ORDINANCE 1364-16: BOARDS AND COMMITTEES**

**City Manager Leavengood** stated following feedback from the City Commission on recent Board appointments, staff has reviewed the city codes and policies regarding Boards and Committees and identified an opportunity for a cleanup of various provisions. These policies have not been updated since 2002.

The proposed amendment requires that an individual be a resident of the city for at least one year to be eligible for various board appointments. This provision is identical to the residency requirement in the City Charter to be a City Commissioner.

The proposed amendment also removes the two alternate positions from the Planning Board and adds flexibility to their meeting schedule consistent with existing practices. The two alternate positions are currently vacant.

Additionally, the number of alternates on the Board of Adjustments has been amended to “up to two” from the current three (3) alternates. One alternate position on the Board of Adjustments is currently filled.

Staff recommended approval of Ordinance 1364-16 on first reading.

**Assistant City Attorney Seth Claytor** read the Ordinance title. He also suggested a clarification to define reside in Section 8.03.01 and 8.03.02 of the Unified Land Development Code and Section 2.112 for the Parks and Recreation Board in the Code of Ordinances. He

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suggested language that when requiring an “elector” to “reside” within the municipal city limits, it may be advisable to state “for purposes of this section, reside shall mean the elector maintains his or her primary residential home within the municipal city limits.” This would clarify that a business property or vacation rental property would not be sufficient, but that a primary residence is required.

**Commissioner Dearmin** moved to amend Ordinance 1364-16 to add a definition of reside in Section 8.03.01 and 8.03.02 of the Unified Land Development Code (UDLC) and Section 2.112 for the Parks and Recreation Board in the Code of Ordinances, seconded by **Commissioner Duncan**. The motion was approved by unanimous voice call vote.

<b>MAYOR LAKE</b>	<b>AYE</b>
<b>VICE MAYOR DALEY</b>	<b>AYE</b>
<b>COMMISSIONER DUNCAN</b>	<b>AYE</b>
<b>COMMISSIONER DEARMIN</b>	<b>AYE</b>
<b>COMMISSIONER MAULTSBY</b>	<b>AYE</b>

**Leon Juday**, 535 North Todhunter Way, stated that the Planning Board alternates were amended by Ordinance 1099-05 in February 2005. The alternates were added to provide more opportunity to have a quorum. There was a time that the developer had to wait on a quorum at the Planning Commission for their case to be heard which caused a delay of weeks to months. He stated that the changes need to be re-considered. In the past the City experienced significant development. He asked the City to consider an alternate way to make the reduction without sacrificing the ability to have a quorum. Possibilities include dropping from seven members with two alternates to five members with two alternates. He also stated that ULDC 9.03.05 C states that four members constitutes a quorum. He asked if this could be reduced to three.

The **City Commission** asked about how many meetings a member could miss before being replaced. They stated that nine people is a lot for a discussion and that the alternates should attend the meetings to have knowledge of the actions and to vote if a member is absent. They also stated that the alternates should sit in the audience rather than at the dais. They stated the Planning Board should have alternates and the alternative that the Planning Board “may” have up to two alternates may work best.

**Staff** responded that a quorum is greater than 50% of the members, if reduced from seven members then a quorum could be less than four. The changes were requested based on feedback from staff and the Planning Board. There has been confusion over alternate roles and voting status. This has led to additional discussions about the vote and if the alternate’s votes were included. Staff has not had difficulty with a quorum and takes extra precautions when a developer is ready to proceed. The Planning Board does not have the same scheduling issues as in the past. The meeting schedule has been changed to every other month due to lack of cases. Due to FI. Statues is a person serves on the Planning Board, they cannot serve on another advisory board for the City. At times, the City has difficulty in filling all the slots on all the boards. Language could also be added to say the Planning Board “may” have up to two alternates, but that does not eliminate the confusion. Planning Board members need to have some institutional knowledge. After three consecutive absences, a member could be replaced. Staff suggested tabling the item in order to make the suggested revisions.

**Commissioner Duncan** moved to table Ordinance 1364-16, seconded by **Commission Dearmin**. The motion was approved by unanimous voice call vote. There was no additional citizen comments.

<b>MAYOR LAKE</b>	<b>AYE</b>
<b>VICE MAYOR DALEY</b>	<b>AYE</b>
<b>COMMISSIONER DUNCAN</b>	<b>AYE</b>
<b>COMMISSIONER DEARMIN</b>	<b>AYE</b>
<b>COMMISSIONER MAULTSBY</b>	<b>AYE</b>

## 2.) POLK REGIONAL WATER COOPERATIVE BOARD APPOINTMENT

**City Manager Leavengood** stated that at our last regular meeting the City Commission approved the interlocal agreement establishing the formation of the Polk Regional Water Cooperative. The Water Cooperative is to be governed by a Board of Directors consisting of eighteen (18) voting members; one city commissioner from each of Polk's seventeen cities & one county commissioner from the BoCC.

The appointed commissioner will represent the City's interests in regional water issues as well as report back to the City Commission on information of regional importance. Alternative water supply projects that ultimately result from the cooperative will have to be approved by interlocal agreement with full consideration by the City Commission.

Polk County has agreed to provide staffing for the cooperative (i.e. executive director). The various city managers and utility directors will serve on the technical advisory committee to aid the Cooperative's Board.

The initial appointee to the Board will be responsible for crafting the Board's bylaws, rules and procedures, and will help determine the initial project list and priorities for the Regional Cooperative.

The **City Commission** asked if the appointment should be position based, limits of the appointment, when to renew, and if there were any volunteers. Mayor Lake and Vice Mayor Daley have attended the formation Committee meetings. **Mayor Lake** stated he would like to continue and that the Vice Mayor should serve as the alternate. Each year the appointment could be reviewed.

**Staff** responded that they would not recommend basing the appointment on a Commission position, but rather with the Commissioners that have an interest in the project. The appointment and renew is at the pleasure of the Commission.

**Commissioner Maultsby** moved to appoint Mayor Lake as the member and Vice Mayor Daley as the alternate to the Polk Regional Water Cooperative Board, seconded by **Commissioner Duncan**. The motion was approved by unanimous voice call vote. No citizen comments.

<b>MAYOR LAKE</b>	<b>AYE</b>
<b>VICE MAYOR DALEY</b>	<b>AYE</b>
<b>COMMISSIONER DUNCAN</b>	<b>AYE</b>

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**COMMISSIONER DEARMIN**  
**COMMISSIONER MAULTSBY**

**AYE**  
**AYE**

### **3.) PRESENTATION: CITY DEPARTMENT UPDATES**

**City Manager Leavengood** stated that staff covered half of the departments at the last meeting and will finish up tonight.

**Finance Director Amber Deaton** stated the Finance Department has had changes in staff. Stephanie Ludden has been promoted to Finance Clerk. Rachel Puentes was hired as a Utility billing clerk and is able to assist with the City's growing Hispanic population. The department continues to receive the budget awards and appreciates the support of the City Management and Commission.

The City changed the investment and purchasing policy. The City simplified the investment policy following the state. The purchasing policy was changed to increase the bid threshold which makes purchasing easier on staff. The City Manager previously had to review over 4,000 invoices which is now reduced to approximately 1,700. American Data Group (ADG) is the main software used by the department. The City upgraded from the dos version to the windows version. The upgrade also provided the benefit of receiving assistance with the Health Care reporting requirements.

**Finance Director Amber Deaton** stated she is also responsible of IT services. The City is moving from Windows XP to Windows 7. Staff is not planning to upgrade to Windows 10 until it has been tested. The hand held for utility reading will also be upgrade this year after the XP machines are replaced. Staff is looking at a permanent solution for the on-hold message and developing a phone tree for Utility customers. The time clocks around the City need to be updated and tie into ADG to streamline the process and cut down on errors. Staff is also working on the Utility Study, which will be presented during the budget process.

**Finance Director Amber Deaton** is working on her CPA designation. She has completed her educational requirements and will begin testing in July. She also celebrated 10 years with the City. She appreciates the opportunity to serve this community and work with the City Commission.

**Community Development Valerie Ferrell** discussed the department and the categories of Building and Permitting, Land Use and Zoning, Code Enforcement, and Economic Development. The Community Development Department was established in 2011 to focus on land, property ownership, infrastructure, demographics and population growth. Customer service is central to the department. She reviewed the level of permitting which has increased in 2015, however the growth is in-filling. There were 94 new residential homes in 2015, with over 2,000 inspections. New projects occurring this year include Lake Cummings Estates and several shovel ready projects in The Lakes, Water Ridge and Cypress Greens. Another major project is the Discovery High School, which is a six million dollar investment with multi-agency coordination.

**Community Development Valerie Ferrell** discussed the goal of Code Enforcement which is to encourage responsible property ownership and maintenance; fight neighborhood decline and restore distressed areas. Code enforcement has had more success in resolving cases due to property abatement and fines. The City can also collect on money spent on a private property through the special assessment which can be resolved each year. The City has a program in

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place to demolish unsafe structures. The County also notified the City of \$20,000 available for demolition projects. The city has identified three priority structures and there are three others on the list. Community Development is also working with the Finance Department to implement an ADG case management system to increase efficiency in case tracking and reporting to Finance on special assessments.

**Community Development Valerie Ferrell** discussed economic development such as the Community Redevelopment Area, Downtown Overlay and other items in the toolkit. Although the County has implemented impact fees, properties within the core development area do not have to pay them. She also highlighted the wayfinding signs around the City. The City is marketing the Buchanan building property and has received inquiries.

Other projects spearheaded by the development include the pedestrian bridge, Gapway Business Park, and the historic building markers dedications. Construction of the pedestrian bridge will begin in September. The Gapway business park is an industrial area on 17/92 which as stated they are ready to permit the project infrastructure. The property is also located within the CRA, which will significantly impact the CRA budget. There are six buildings that will receive historic building markers this year.

The **City Commission** asked about what happens to a property after a demolition.

**Staff** responded that the property owner maintains ownership, however a lien or special assessment is placed on the property to recuperate any money spent on the property. The lien or assessment stays with the property. There is a process with the City Attorney if the City Commission is interested in acquiring an abated property.

**Police Chief Art Bodenheimer** stated that the Police Department responded to over 4,000 calls last year. Traffic citations are down in Lake Alfred and around the state due to many reasons including staffing and citation costs. Officer Lopez and K-9 Will had continued success in completions around the country. The police dispatch center has implemented two 911 dispatch stations with new computers and radio system. Dispatch is answering over 220 911 calls a month with over 80% being false dials. Many of these calls originate at the local middle schools. The Police Department is required to respond to all 911 calls which is time consuming. The enhanced 911 system takes calls from cell phones which may be picked up by the local cell towers even if a driver has moved on to another area. The call goes through the Sheriff's Office to the right place. If the issue is in Lake Alfred, let 911 know.

**Police Chief Art Bodenheimer** stated the department is working to implement a crash report program. The program is installed on the laptop and printers are installed in the patrol cars. This allows the officers to present a more professional looking finished product. It also reduces duplication of information and gets the officers off the side of the road in less time. The new process improves the reporting period to the state. The department has now purchased enough vehicles to implement the take-home policy. The last vehicle should arrive in a couple of weeks.

The department has implemented several grant projects. One was used to meet the federal requirements for facility access. New signs and badge keys have been assigned. The system logs the use and keys can easily be added or disabled. A grant was also used for electronic speeding signs which have been installed around town. Two remain as back-up. Signs were installed on Swoop due to the cross traffic from Hwy 557 to 17/92. Staff will start issuing citations in these areas in a few months. Currently people slow down when they see the sign, but speed up prior to leaving town.

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**Police Chief Art Bodenheimer** reviewed the department goals for 2016. The department is working to fill all remaining vacant positions. The department has applied for a grant to supply shotguns to the new vehicles. A grant was received to purchase a three wheeled cart. The department is currently receiving bids. The cart will be housed out at the middle and new high school. The department is working with the Polk County Sherriff's Office to implement a report system for all agencies. This will allow sharing of information between agencies.

**Police Chief Art Bodenheimer** discussed the speed limit of 17/92 at the south end of town. When the lanes were separated, FDOT wanted to make the speed limit 50 mph. Staff worked with FDOT to get the speed limit reduced to 35 mph.

**Public Works Director John Deaton** stated that Public Works works with all the other City departments. The utility lines were run to the Outpost and they are inquiring about connecting. The department purchased a new sanitation truck which is used to pick-up the new recycling service. The transition went smoothly and most cans have the new stickers. The Republic agreement is being used as a model around the County.

The waste water upgrades in the past did not address sludge. The City worked to create a solution. The new process has been approved by FDEP and is saving the City time and money. The sludge is no longer pumped into the drying beds. Instead it is pumped into a bag in the dumpster. A primer is added and the water then drains out and the sludge remains. The dumpster can then be dumped at the landfill. The waster runs through the treatment plant and then goes to the sprayfield. Staff is looking into purchasing permanent dumpsters.

**Public Works Director John Deaton** stated that many improvements were made around the City last year. Sidewalks were installed or replaced at several parks and other locations. The department cleans and improves drains and drainage. The department is working with FDOT on a drainage project. It will take place this year and will reduce water on 17/92 in front of the Buchanan property. The paving projects included three parking lots and several streets. The staff works hard to keep the City looking good. He thanked the Commission for their support, resources, and equipment.

The **City Commission** asked about the stormwater retentions along Cummings and drainage along Haines.

**Staff** responded that storm boxes goes to Lake Haines. Water comes out of the drain on west Cummings when there is two feet of water in front of Ron's Tackle Box. The FDOT drainage project will help relieve this area and on the east side because the water will be diverted. The City has a sampler in that area also.

**City Manager Leavengood** thanked staff for their updates prior to the budget process which will start the second meeting in April.

### **RECOGNITION OF CITIZENS**

There were no citizen comments.

### **COMMISSIONER QUESTIONS AND COMMENTS**

**Vice Mayor Daley** showed a video about the Mackay Gardens prepared by the volunteers. The video can be used for the website and to promote the venue. The 1914 upright piano was donated and received. The group is also working on the Citrus Tour label dedication.

**Commissioner Duncan** thanked staff for the reports and volunteers at the City clean-up. Items reported in app were cleaned up quickly. He wished everyone a Happy Spring Break.

**Commissioner Dearmin** glad for staff that makes Lake Alfred great.

**Commissioner Maulsby** also thanked Pastor Jones and the crew that helped during the clean-up. He helped to deliver water to volunteers. He asked about matching the Polk County grant to demolish all the structures. He also asked about widening Ramona for school buses and adding it to the resurfacing project list.

**City Manager Leavengood** stated that it is a good time to discuss the additional demolition projects during the budget process. The City Commission may want to add a line item and dedicate funds for abatement. The funds could address demolition, high weeds or other improvements. The funds could also be recouped using the special assessment process. The project can be considered when the City commission sets the resurfacing priority list.

**Mayor Lake** commented on Chunky Sunday event at Central Park.

**Police Chief Art Bodenheimer** stated that the law enforcement agencies in Polk County share information. The Chunky Sunday events tend to be loud, vulgar, and involve alcohol. They leave parks a mess and have led to shots fired in the past. The event was initiated in one city then potentially moved to Lake Alfred and ended up in Bartow.

**Mayor Lake** thanked all the Department Heads for their presentations and wished everyone a Happy Easter. He asked about the Gardner House.

**City Manager Leavengood** stated he left a message with the owner.

With there being no further business to discuss, Mayor Lake adjourned the meeting at 9:23 pm.

Respectfully Submitted,

Ameé N. Bailey  
City Clerk

**LAKE ALFRED CITY COMMISSION MEETING  
APRIL 4, 2016**

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**1.) ORDINANCE 1364-16: BOARDS AND COMMITTEES**

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**ISSUE:** The City Commission will consider an ordinance updating the policies and procedures for various boards and committees.

**ATTACHMENTS:**

- Ordinance 1364-16 with Exhibit "A" and "B"

**ANALYSIS:** Following feedback from the City Commission on recent Board appointments, staff has reviewed the city codes and policies regarding Boards and Committees and identified an opportunity for a cleanup of various provisions.

The proposed amendment requires that an individual be a resident of the city for at least one year to be eligible for various board appointments. This provision is identical to the residency requirement in the City Charter to be a City Commissioner.

The proposed amendment adds flexibility to the Planning Board's meeting schedule and the appointment of alternate members consistent with existing practices. Additionally, the number of alternates on the Board of Adjustments has been amended to "up to two" from the current three (3) alternates. One alternate position on the Board of Adjustments is currently filled.

If the City Commission so desires, there is an option within the proposed ordinance to reduce the Planning Board from a 7-member body to a 5-member body following the completion of the 2018 term.

**STAFF RECOMMENDATION:** Approval of Ordinance 1364-16 on first reading.

**ORDINANCE 1364-16**

**AN ORDINANCE OF THE CITY OF LAKE ALFRED, FLORIDA  
AMENDING CHAPTER 2, ARTICLE III, OF THE CODE OF  
ORDINANCES OF THE CITY OF LAKE ALFRED; AMENDING  
ARTICLE 8 OF THE CITY OF LAKE ALFRED UNIFIED LAND  
DEVELOPMENT CODE, RELATING TO BOARDS AND  
COMMITTEES; PROVIDING FOR CODIFICATION,  
CONFLICTS, SEVERABILITY, AND AN EFFECTIVE DATE.**

**WHEREAS**, the City of Lake Alfred City Commission approved the Unified Land Development Code in 1993, and prescribed the composition, appointments, duties, and authority for the Planning Board and Board of Adjustment; and

**WHEREAS**, the City of Lake Alfred City Commission adopted Ordinance No. 1012-02 and 831-98 modifying the membership of the Parks and Recreation Board; and

**WHEREAS**, upon review, the City Commission desires to update the appointment of members, procedures, and to create consistency for all Boards and Committees in regards to their residency status; and

**NOW THEREFORE, BE IT ORDAINED** by the City Commission of the City of Lake Alfred, Florida that this Ordinance is hereby passed for the protection and welfare of the citizens of Lake Alfred, and that:

**SECTION 1. UNIFIED LAND DEVELOPMENT CODE.** Article 8 of the Unified Land Development Code of the City of Lake Alfred is hereby amended as identified in Exhibit "A" attached hereto and made a part hereof (deletions are shown in strikethrough and additions are shown in underline format).

**SECTION 2. CODE OF ORDINANCES.** Chapter 2 Article III of the Code of Ordinances for the City of Lake Alfred is hereby amended as identified in Exhibit "B" attached hereto and made a part hereof (deletions are shown in strikethrough and additions are shown in underline format).

**SECTION 3. CONFLICTS.** All ordinances in conflict herewith are hereby repealed to the extent necessary to give this Ordinance full force and effect, provided however, that nothing herein shall be interpreted so as to repeal any existing ordinance or resolution relating to means of securing compliance with the City's Code of Ordinances, unless such repeal is explicitly set forth herein.

**SECTION 4. SEVERABILITY.** If any section, subsection, sentence, clause or phrase of this Ordinance is, for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this Ordinance. The City of Lake Alfred, Florida, hereby declares that it would have passed this Ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

**SECTION 5. CODIFICATION.** It is the intention of the City Commission that the provisions of this Ordinance shall become and be made a part of the Code of Ordinances of the City of Lake Alfred; and that sections of this Ordinance may be renumbered or re-lettered and the word "ordinance" may be changed to, "section", or such other appropriate word or phrase in order to accomplish such intentions; and regardless of whether such inclusion in the Code of Ordinances of the City of Lake Alfred is accomplished, sections of this Ordinance may be renumbered or re-lettered and the correction of typographical and/or scrivener's errors which do not affect the intent may be authorized by the City Manager or his or her designee, without need of public hearing, by filing corrected or re-codified copy of same with the City Clerk.

**SECTION 6. EFFECTIVE DATE.** This ordinance shall become effective immediately upon final adoption.

**INTRODUCED AND PASSED** on first reading at a regular meeting of the Lake Alfred City Commission held this 4<sup>th</sup> day of April, 2016.

**PASSED AND FINALLY ADOPTED** on second reading at the meeting of the Lake Alfred City Commission duly assembled on the 18<sup>th</sup> day April, 2016.

**CITY OF LAKE ALFRED  
CITY COMMISSION**

By: \_\_\_\_\_  
Charles O. Lake, Mayor

ATTEST:

By: \_\_\_\_\_  
Ameé Bailey-Speck, City Clerk

APPROVED AS TO FORM:

By: \_\_\_\_\_  
Frederick J. Murphy Jr., City Attorney

**Ordinance 1364-16**  
**Exhibit "A"**

Language stricken is shown in ~~strikethrough~~ format; language added is shown as underlined format.

**LAKE ALFRED UNIFIED LAND DEVELOPMENT CODE**  
**ARTICLE 8**

**8.03.00 Development Boards**

**8.03.01 Planning Board**

(A) Functions, Powers and Duties

- (1) Act as Local Planning Agency pursuant to the Local Government Comprehensive Planning and Land Development Regulation Act, Ch.163, Part II, Florida Statutes, and perform all functions and duties prescribed in the statute.
- (2) Obtain and maintain information on population, property values, the land economy, land use and other information necessary to assess the amount, direction and type of development to be expected in the City.
- (3) Advise and make recommendations to the City Commission regarding applications for amendments to the Official Zoning Map and requests for Conditional Uses or other special designations on property within the City.
- (4) At the request of the Chief Building Official, interpret and determine the intent of provisions of this Code that are unclear or in conflict with other regulations.
- (5) Consider the need for revision or addition of regulations in this Code, and recommend changes to the City Commission.
- (6) Consider the need for revision of the Comprehensive Plan, and recommend changes to the City Commission.
- (7) Other duties as assigned by the City Commission.

(B) Appointment of Members

- (1) The Planning Board shall have seven (7) regular members, and may have up to two (2) alternate members, to be appointed by the City Commission. [OPTIONAL] Commencing on January 1<sup>st</sup>, 2019, the Planning Board shall have five (5) regular members, to be appointed by the City Commission.
- (2) Each member of the Planning Board shall be an elector of the city who has resided within the city's municipal limits for not less than one full calendar year~~reside in the City.~~ For the purposes of this section, reside shall mean the elector maintains his or her primary residential home within the municipal city limits.
- (3) Each regular member shall be appointed to a three (3) year term. In the event that all regular members are appointed at the same time, ~~two (2) members shall be appointed for a term of one (1) year, two (2) members shall be appointed for a term of two (2) years, and three (3) members shall be appointed for a term of three (3) years.~~ up to three (3) members may be appointed for an initial term of less than three (3) years at the discretion of the City Commission at the time of appointment.

- (4) Each alternate shall be appointed to a three (3) year term. In the event that all alternates are appointed at the same time, one (1) alternate shall be appointed for a term of one (1) year and one (1) alternate shall be appointed for a term of two (2) years
- (5) ~~During meetings, alternate members will be seated with regular members on the dais.~~ The first alternate member will vote only when six or fewer regular members are in attendance at the meeting, and the second alternate member will vote only when six or fewer regular members are in attendance at the meeting. Except for this voting limitation, alternate members are free to ask questions, participate in discussions, and perform other functions in the same manner as regular members.
- (6) Regular vacancies shall be filled by appointments made at the last regular meeting of the City Commission in October of each year. All members shall serve until their successors are appointed.
- (7) If a position becomes vacant before the end of a term, the City Commission shall appoint a substitute member to fill the vacancy for the duration of the vacated term. A member or alternate whose term expires may continue to serve until a successor is appointed and qualified.
- (8) Members and alternates may be removed without notice and without assignment of cause by a majority vote of the City Commission.
- (9) At the first meeting held after November 1 of each year, the Board shall elect a Chairman, Vice-Chairman and such other officers as deemed necessary. The Chairman, or in his absence the Vice-Chairman, shall preside over all meetings of the Board. Officers shall serve terms of one (1) year.
- (10) The Chairman will establish subcommittees and appoint members as needed to carry out the purposes of the Board.
- (11) Members and alternates shall not be compensated, but may be reimbursed for travel and other expenses incurred on Board business.
- (12) If any member fails to attend three (3) successive meetings, the Board may declare the member's office vacant and notify the City Commission.

(C) Procedures

- (1) The Board shall adopt procedures to carry out its purposes. All rules must conform to this Code, other City ordinances, and state law.
- (2) The Board shall meet at least ~~once each every other~~ month, unless a meeting is canceled for lack of business to be conducted, by a decision of the Board at a regular meeting or by decision of the Chairman.
- (3) The Board shall keep minutes of its proceedings, indicating the attendance of each member, and the decision on every question.
- (4) Four (4) members shall constitute a quorum.
- (5) Each decision of the Board must be approved by a majority vote of the members present at a meeting in which a quorum is present and voting.

### **8.03.02 Board of Adjustment**

#### (A) Functions, Powers and Duties

- (1) To authorize specific variances from appropriate provisions of this Code as will not be contrary to the public interest, in cases where literal enforcement of the Code will result in unnecessary hardship for the applicant.
- (2) To hear and decide upon appeals of administrative decisions where it is alleged there is an error in an order, requirement or policy of City staff. The Board may reverse or affirm, wholly or in part, the order, requirement or policy of the administrative official.

#### (B) Appointment of Members

- (1) The Board of Adjustment shall have five (5) members and may have up to threetwo (32) alternates, to be appointed by the City Commission.
- (2) Each member of the Board of Adjustment shall be an elector of the city who has resided within the city's municipal limits for not less than one full calendar yearreside in the City. For the purposes of this section, reside shall mean the elector maintains his or her primary residential home within the municipal city limits.
- (3) Each member shall be appointed to a three (3) year term. In the event that all members are appointed at the same time, one (1) member shall be appointed for a term of one (1) year, two (2) members shall be appointed for a term of two (2) years, and two (2) members shall be appointed for a term of three (3) years.
- (4) Each alternate shall be appointed to a three (3) year term. In the event that all alternates are appointed at the same time, one (1) alternate shall be appointed for a term of one (1) year, one (1) alternate shall be appointed for a term of two (2) years, and one (1) alternate shall be appointed for a term of three (3) years.
- (5) Regular vacancies shall be filled by appointments made at the last regular meeting of the City Commission in October of each year. All members and alternates shall serve until their successors are appointed.
- (6) If a position becomes vacant before the end of a term, the City Commission shall appoint a substitute member or alternate to fill the vacancy for the duration of the vacated term. A member or alternate whose term expires may continue to serve until a successor is appointed and qualified.
- (7) Members and alternates may be removed without notice and without assignment of cause by a majority vote of the City Commission.
- (8) At the first meeting held after November 1 of each year, the Board shall elect a Chairman and Vice-Chairman. The Chairman, or in his absence the Vice-Chairman, shall preside over all meetings of the Board. Officers shall serve terms of one (1) year.
- (9) Members and alternates shall not be compensated, but may be reimbursed for travel and other expenses incurred on Board business.
- (10) If any member fails to attend three (3) successive meetings, the Board may declare the member's office vacant and notify the City Commission.

**Ordinance 1364-16**  
**Exhibit "B"**

Language stricken is shown in ~~strikethrough~~ format; language added is shown as underlined format.

**PART II - CODE OF ORDINANCES**  
**ARTICLE III. - BOARDS, COMMITTEES, COMMISSIONS**  
**Chapter 2 - ADMINISTRATION**  
**DIVISION 3. - PARKS AND RECREATION BOARD**

Sec. 2-112. - Composition; appointment, term of members.

Each member of the Parks and Recreation Board shall be an elector of the city who has resided within the city's municipal limits for not less than one full calendar year. For the purposes of this section, reside shall mean the elector maintains his or her primary residential home within the municipal city limits. The membership of the parks and recreation board shall consist of seven members. The members shall be appointed by the city commission, and each member shall serve for a term of three years; except that of the seven members first appointed, two shall serve for a term of one year, two shall serve for a term of two years and three shall serve for a term of three years. The city manager shall be an ex officio member of the board. All members shall serve until their successors are appointed. Members may be removed without notice and without assignment of cause by a majority of the city commission.

**LAKE ALFRED CITY COMMISSION MEETING  
APRIL 4, 2016**

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**2.) RESOLUTION 01-16: FDOT COMMUNITY AESTHETIC FEATURE AGREEMENT**

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**ISSUE:** The City Commission will consider an agreement with the Florida Department of Transportation (FDOT) for permitting of the downtown gateway signs.

**ATTACHMENTS:**

- Resolution 01-16
- FDOT Community Aesthetic Feature Agreement
- Gateway Signage Plans

**ANALYSIS:** The directional signage included in the City's Wayfinding Signage Program was permitted through FDOT's wayfinding program. However, the two Gateway signs included in the City's program require separate approval by FDOT through a Community Aesthetic Feature Agreement. The agreement essentially states that the City will maintain the signs within the right of way.

The signs have already been constructed and are slated for installation following the completion of the remaining directional signs and side-street business signage.

**STAFF RECOMMENDATION:** Approval of Resolution 01-16.

**RESOLUTION NO. 01-16**

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LAKE ALFRED, FLORIDA SUPPORTING COMMUNITY AESTHETIC FEATURE SIGNS FOR THE LAKE ALFRED WAYFINDING SIGN PROGRAM, PROVIDING THAT THE SIGNS WILL INFORM THE PUBLIC AT THE GATEWAYS INTO DOWNTOWN LAKE ALFRED; APPROVING VARIOUS LOCATIONS AS THE DESTINATIONS SHOWN ON THE COMMUNITY FEATURE SIGNS AND APPROVING THE COMMUNITY AESTHETIC FEATURE AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND AUTHORIZING THE MAYOR AND APPROPRIATE CITY OFFICIALS TO EXECUTE THE COMMUNITY AESTHETIC FEATURE AGREEMENT AND TO TAKE ALL ACTIONS NECESSARY TO IMPLEMENT SAID AGREEMENT; PROVIDING FOR THE REPEAL OF CONFLICTING RESOLUTIONS AND THE ADMINISTRATIVE CORRECTION OF SCRIVENER'S ERRORS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the City Commission of the City of Lake Alfred supports the Community Aesthetic Feature concept to efficiently and safely guide motorists and pedestrians to key civic, cultural, visitor and recreational destinations within the City of Lake Alfred; and

**WHEREAS**, the City Commission also supports the location map for the attached features on US Highway 17/92, a Florida Department of Transportation (FDOT) maintained roadway within the City limits, on which the two signs will be located; and

**WHEREAS**, the City Commission also financially supports the design, engineering, construction and perpetual maintenance of the "Local Identification Marker – Stand Alone", to meet applicable standards of FDOT; and

**WHEREAS**, pursuant to the FDOT Plans Preparation Manual, Revised – January 1, 2015, the City Commission approves the resolution criteria under Community Aesthetic Features.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF LAKE ALFRED, FLORIDA, THAT:**

**SECTION 1: RECITALS.** The above recitals are hereby incorporated as a factual basis for the passage of this Resolution.

**SECTION 2: AGREEMENT.** The City Commission hereby approves the Community Aesthetic Feature Agreement (hereinafter "Agreement") with the FDOT attached hereto and made a part of this Resolution as Exhibit "A" and supports the Community Aesthetics Features Plan attached hereto and made a part of this Resolution as Exhibit "B". The Plan includes monument design and the preliminary sign location map along US Highway 17/92 within the City and hereby approves the FDOT Stand-Alone Local ID Marker evaluation criteria that processes markers under such plan.

**SECTION 3: AUTHORIZATION.** The City Commission does hereby authorize the Mayor and other appropriate City officials to execute the Community Aesthetic Feature Agreement with the FDOT and authorizes the City Manager to take all actions necessary to implement the said Agreement, attached hereto and made a part of this Resolution as Exhibit "A".

**SECTION 4: SEVERABILITY.** The provisions of this Resolution are severable. If any word, sentence, clause, phrase or provision of this Resolution for any reason is declared by any court of competent jurisdiction to be void, unconstitutional or unenforceable, then all remaining provisions and portions of this Resolution shall remain in full force and effect.

**SECTION 5: CODIFICATION.** Any provision in this Resolution may be renumbered or relettered and the correction of typographical and/or scrivener's errors which do not affect the intent may be authorized by the City Manager or his designee, without need of consideration by the City Commission, by filing a corrected or recodified copy of same with the City Clerk.

**SECTION 6: CONFLICT.** All Resolutions in conflict with this Resolution are repealed to the extent necessary to give this Resolution full force and effect.

**SECTION 7: EFFECTIVE DATE.** That this Resolution shall take effect immediately upon passage.

**INTRODUCED AND PASSED** by the City Commission of the City of Lake Alfred, Florida, in a regular session this 4<sup>th</sup> day of April, 2016.

**CITY OF LAKE ALFRED, FLORIDA  
CITY COMMISSION**

ATTEST:

\_\_\_\_\_  
Charles O. Lake, Mayor

\_\_\_\_\_  
Ameé Bailey Speck, City Clerk

Approved as to form:

\_\_\_\_\_  
Frederick J. Murphy, Jr., City Attorney

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**COMMUNITY AESTHETIC FEATURE AGREEMENT**

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

This Community Aesthetic Feature Agreement ("Agreement") is entered into this \_\_\_\_ day of \_\_\_\_\_, between the State of Florida, Department of Transportation ("FDOT") and \_\_\_\_\_ ("Agency"). FDOT and the Agency are sometimes referred to in this Agreement as a "Party" and collectively as the "Parties."

**RECITALS**

- A. The Agency has requested permission from FDOT to install a [**CHOOSE ONE:** Public Art – Standalone, Public Art – Add On/affixed, Local Identification Marker – Standalone, Local Identification Marker – Add On/affixed] community aesthetic feature on that certain right-of-way owned by FDOT which is located at \_\_\_\_\_ in \_\_\_\_\_ County, Florida ("Project").
- B. FDOT agrees that transportation facilities enhanced by community aesthetic features can benefit the public, result in positive economic development, and increase tourism both locally and throughout Florida.
- C. The Parties agree to the installation and maintenance of the Project, subject to the terms and conditions in this Agreement.

**AGREEMENT**

**1. TERM.** The term of this Agreement shall commence upon full execution of this Agreement ("Effective Date") and continue through \_\_\_\_\_, which is determined as the lifespan of the Project, unless terminated at an earlier date as provided in this Agreement. If the Agency does not complete the installation of the Project within \_\_\_\_\_ (\_\_\_\_) days of the Effective Date of this Agreement, FDOT may immediately terminate this Agreement. This Agreement may only be renewed for a term no longer than the original term of this Agreement upon a writing executed by both Parties to this Agreement.

**2. PROJECT DESCRIPTION.** The Project is a [**CHOOSE ONE:** Public Art – Standalone, Public Art – Add On/affixed, Local Identification Marker – Standalone, Local Identification Marker – Add On/affixed], as more fully described in the plans in Exhibit "A", attached and incorporated in this Agreement.

**3. FUNDING OF THE PROJECT.** The Agency has agreed by resolution to approve the Project and to fund all costs for the design, installation, and maintenance of the Project, and such resolution is attached and incorporated in this Agreement as Exhibit "D". FDOT shall not be responsible for any costs associated with the Project. All improvements funded, constructed, and installed by the Agency shall remain the Agency's property. However, this permissive use of FDOT's right-of-way where the Project is located does not vest any property right, title, or interest in or to the Agency for FDOT's right-of-way.

**4. DESIGN AND CONSTRUCTION STANDARDS AND REQUIRED APPROVALS.**

- a. The Agency is responsible for the design, construction, and maintenance of the Project in accordance with all applicable federal, state and local statutes, rules and regulations, including FDOT standards and specifications. A professional engineer, registered in Florida, shall provide the certification that all design and construction for the Project meets the minimum construction standards established by FDOT and applicable Florida Building Code construction standards. The Agency shall submit all plans or related construction documents, cost estimates, project schedule, and applicable third party agreements to FDOT for review and approval prior to installation of the Project. The Agency is responsible for the preparation of all design plans for the Project, suitable for reproduction on 11 inch by 17 inch sheets, together with a complete set of specifications covering all construction requirements for the Project. Six (6) copies of the design plans shall be provided to FDOT's District Design Engineer, at \_\_\_\_\_ . FDOT will review the plans for conformance to FDOT's requirements and feasibility. FDOT's review shall not be considered an adoption of the plans nor a substitution for the engineer's responsibility for the plans. By review of the plans, FDOT signifies only that such plans and improvements satisfies FDOT's requirements, and FDOT expressly disclaims all other representations and warranties in connection with the plans, including, but not limited to the

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integrity, suitability, or fitness for the intended purpose or whether the improvements are constructed in accordance with the plans. FDOT's review of the plans does not relieve the Agency, its consultants or contractors of any professional or other liability for the plans. All changes required by FDOT shall be made by the Agency and final corrected plans shall be provided to FDOT within thirty (30) days.

- b. The Agency shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations be accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility. Section 337.403, Florida Statutes, shall determine whether the utility bears the costs of utility work. The Agency shall bear the costs of utility work not required to be borne by the utility by Section 337.403, Florida Statutes.
- c. The Agency shall be responsible for monitoring construction operations and the maintenance of traffic ("MOT") throughout the course of the Project in accordance with the latest edition of FDOT Standard Specifications, Section 102. The Agency is responsible for the development of a MOT plan and making any changes to that plan as necessary. The MOT plan shall be in accordance with the latest version of FDOT Design Standards, Index 600 series. Any MOT plan developed by the Agency that deviates from FDOT Design Standards must be signed and sealed by a professional engineer. MOT plans will require approval by FDOT prior to implementation.
- d. The Agency is responsible for obtaining all permits that may be required by any federal, state, or local agency.
- e. Prior to commencing the Project, the Agency shall request a Notice to Proceed from FDOT's Construction Project Manager, \_\_\_\_\_, at (\_\_\_\_) \_\_\_\_ - \_\_\_\_ or from an appointed designee.
- f. The Agency is authorized, subject to the conditions in this Agreement, to enter FDOT's right-of-way to install the Project (see attached Exhibit "B" Special Provisions). The Parties agree that this Agreement creates a permissive use only. Neither the granting of permission to use FDOT's right-of-way nor the placing of facilities upon FDOT's right-of-way shall operate to create or vest any property right in or to the Agency. The Agency shall not acquire any right, title, interest, or estate in FDOT right-of-way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Agency's use, occupancy or possession of FDOT right-of-way.
- g. FDOT shall have the right, but not the obligation, to perform independent assurance testing during the course of construction and throughout the maintenance term of the Project. If FDOT determines that a condition exists which threatens the public's safety, FDOT may, at its discretion, cause the Project to cease and/or immediately have any potential hazards removed from its right-of-way at the sole cost, expense, and effort of the Agency. Should the Agency fail to remove the safety hazard within thirty (30) days, FDOT may remove the safety hazard at the Agency's sole cost, expense, and effort.
- h. The Agency shall be responsible to ensure that construction of the Project is performed in accordance with the approved construction documents, and that it will meet all applicable federal, state, and local standards and that the work is performed in accord with the Terms and Conditions contained in Exhibit "C".
- i. The Agency shall notify FDOT a minimum of forty eight (48) hours before beginning the Project within FDOT right-of-way. The Agency shall notify FDOT should installation be suspended for more than five (5) working days.
- j. Upon completion of the Project, the Agency shall notify FDOT in writing of the completion of the installation of the Project. For all design work that originally required certification by a Professional Engineer, the notification shall contain a Responsible Professional's Certification of Compliance, signed and sealed by the Responsible Professional for the Project, the form of which is attached to this Agreement as Exhibit "E". The certification shall state that work has been completed in compliance with the Project construction plans and specifications. If any deviations are found from the approved plans,

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the certification shall include a list of all deviations along with an explanation that justifies the reason to accept each deviation. The Agency and its contractors shall remove their presence, including, but not limited to, all of the Agency or its contractor's/ subcontractor's/ consultant's/ subconsultant's property, machinery, and equipment from FDOT right-of-way and shall restore those portions of FDOT right-of-way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project, at Agency's sole cost and expense.

- k. If FDOT determines that the Project is not completed in accordance with the provisions of this Agreement, FDOT shall deliver written notification to the Agency. The Agency shall have thirty (30) days from the date of receipt of FDOT's written notice to complete the Project and provide FDOT with written notice of the same ("Notice of Completion"). If the Agency fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, FDOT may: 1) provide the Agency with written authorization granting additional time as FDOT deems appropriate to correct the deficiency(ies); or 2) correct the deficiency(ies) at the Agency's sole cost and expense, without FDOT liability to the Agency for any resulting loss or damage to property, including but not limited to machinery and equipment. If FDOT elects to correct the deficiency(ies), FDOT shall provide the Agency with an invoice for the costs incurred by FDOT and the Agency shall pay the invoice within thirty (30) days of the date of the invoice.
- l. Upon completion of the Project, the Agency shall be responsible for the perpetual maintenance of the Project, including all costs. The Maintenance schedule shall include Initial Defect, Instantaneous Damage and Deterioration components. The Initial Defect Maintenance inspection should be conducted, and any required repairs performed during the Construction Phase. The Instantaneous Damage Maintenance inspection should be conducted sixty (60) to ninety (90) days after placement and is intended to identify short term damage that does not develop over longer time periods. The Deterioration Maintenance inspection shall be conducted on regular, longer term intervals and is intended to identify defects and damages that occur by naturally occurring chemical, physical or biological actions, repeated actions such as those causing fatigues, normal or severe environmental influences, abuse or damage due to other causes. Deterioration Maintenance shall include, but is not limited to, the following services:  
  
\_\_\_\_\_  
  
\_\_\_\_\_  
  
\_\_\_\_\_

- m. The Agency shall, within thirty (30) days after expiration or termination of this Agreement, remove the Project and restore the right-of-way to its original condition prior to the Project. The Agency shall secure its obligation to remove the Project and restore the right-of-way by providing a removal and restoration deposit, letter of credit, or performance bond in the amount of \$ \_\_\_\_\_.
- n. FDOT reserves its right to cause the Agency to relocate or remove the Project, in FDOT's sole discretion, and at the Agency's sole cost.

**5. INDEMNITY AND INSURANCE.**

- a. The Agency agrees to include the following indemnification in all contracts with contractors, subcontractors, consultants, and subconsultants, who perform work in connection with this Agreement:

"The contractor/ subcontractor/ consultant/ subconsultant shall indemnify, defend, save and hold harmless the State of Florida, Department of Transportation and all of its officers, agents or employees from all suits, actions, claims, demands, liability of any nature whatsoever arising out of, because of, or due to any negligent act or occurrence of omission or commission of the contractor/ subcontractor/ consultant/ subconsultant, its officers, agents or employees."

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- b. The Agency shall carry or cause its contractor/ subcontractor/ consultant/ subconsultant to carry and keep in force during the period of this Agreement a general liability insurance policy or policies with a company or companies authorized to do business in Florida, affording public liability insurance with combined bodily injury limits of at least \$1,000,000 per person and \$5,000,000 each occurrence, and property damage insurance of at least \$100,000 each occurrence, for the services to be rendered in accordance with this Agreement. Additionally, the Agency or its contractor/ subcontractor/ consultant/subconsultant shall cause FDOT to be an additional insured party on the policy or policies, and shall provide FDOT with certificates documenting that the required insurance coverage is in place and effective. In addition to any other forms of insurance or bonds required under the terms of the Agreement, when it includes construction within the limits of a railroad right-of-way, the Agency must provide or cause its contractor to obtain the appropriate rail permits and provide insurance coverage in accordance with Section 7-13 of FDOT's Standard Specifications for Road and Bridge Construction (2010), as amended.
- c. The Agency shall also carry or cause its contractor/ subcontractor/ consultant/ subconsultant to carry and keep in force Worker's Compensation insurance as required by the State of Florida under the Worker's Compensation Law.

**6. NOTICES.** All notices pertaining to this Agreement are in effect upon receipt by either Party, shall be in writing, and shall be transmitted either by personal hand delivery; United States Post Office, return receipt requested; or, overnight express mail delivery. E-mail and facsimile may be used if the notice is also transmitted by one of the preceding forms of delivery. The addresses set forth below for the respective parties shall be the places where notices shall be sent, unless prior written notice of change of address is given.

STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION  
DISTRICT \_\_\_\_\_ PROGRAM MANAGER

\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

\_\_\_\_\_ COUNTY [OR CITY], FLORIDA

\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

**7. TERMINATION OF AGREEMENT.** FDOT may terminate this Agreement upon no less than thirty (30) days notice in writing delivered by certified mail, return receipt requested, or in person with proof of delivery. The Agency waives any equitable claims or defenses in connection with termination of the Agreement by FDOT pursuant to this Paragraph 7.

**8. LEGAL REQUIREMENTS.**

- a. This Agreement is executed and entered into in the State of Florida and will be construed, performed, and enforced in all respects in strict conformity with local, state, and federal laws, rules, and regulations. Any

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and all litigation arising under this Agreement shall be brought in a state court of appropriate jurisdiction in Leon County, Florida, applying Florida law.

- b. If any term or provision of the Agreement is found to be illegal or unenforceable, the remainder of the Agreement will remain in full force and effect and such term or provision will be deemed stricken.
- c. The Agency shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Agency in conjunction with this Agreement. Failure by the Agency to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by FDOT.
- d. The Agency and FDOT agree that the Agency, its employees, contractors, subcontractors, consultants, and subconsultants are not agents of FDOT as a result of this Agreement.
- e. The Agency shall not cause any liens or encumbrances to attach to any portion of FDOT right-of-way.

**9. PUBLIC ENTITY CRIME.** The Agency affirms that it is aware of the provisions of Section 287.133(2)(a), Florida Statutes. 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 on a contract to provide any goods or services to a public entity, may not submit a bid 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 provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of thirty six (36) months from the date of being placed on the convicted vendor list. The Agency agrees that it shall not violate Section 287.133(2)(a), Florida Statutes, and further acknowledges and agrees that any conviction during the term of this Agreement may result in the termination of this Agreement.

**10. UNAUTHORIZED ALIENS.** FDOT will consider the employment of unauthorized aliens, by any contractor or subcontractor, as described by Section 274A(e) of the Immigration and Nationalization Act, cause for termination of this Agreement.

**11. NON-DISCRIMINATION.** The Agency will not discriminate against any employee employed in the performance of this Agreement, or against any applicant for employment because of age, ethnicity, race, religious belief, disability, national origin, or sex. The Agency shall provide a harassment-free workplace, with any allegation of harassment given priority attention and action by management. The Agency shall insert similar provisions in all contracts and subcontracts for services by this Agreement.

**12. DISCRIMINATORY VENDOR LIST.** The Agency affirms that it is aware of the provisions of Section 287.134(2)(a), Florida Statutes. An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid 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. The Agency further agrees that it shall not violate Section 287.134(2)(a), Florida Statutes, and acknowledges and agrees that placement on the list during the term of this Agreement may result in the termination of this Agreement.

**13. ATTORNEY FEES.** Each Party shall bear its own attorney's fees and costs.

**14. TRAVEL.** There shall be no reimbursement for travel expenses under this Agreement.

**15. PRESERVATION OF REMEDIES.** No delay or omission to exercise any right, power, or remedy accruing to either Party upon breach or default by either Party under this Agreement, will impair any such right, power or

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remedy of either party; nor will such delay or omission be construed as a waiver of any breach or default or any similar breach or default.

**16. MODIFICATION.** This Agreement may not be modified unless done so in a writing executed by both Parties to this Agreement.

**17. NON-ASSIGNMENT.** The Agency may not assign, sublicense, or otherwise transfer its rights, duties, or obligations under this Agreement without the prior written consent of FDOT. Any assignment, sublicense, or transfer occurring without the required prior written approval of FDOT will be null and void. FDOT will at all times be entitled to assign or transfer its rights, duties, or obligations under this Agreement to another governmental agency in the State of Florida, upon giving prior written notice to the Agency. In the event that FDOT approves transfer of the Agency's obligations, the Agency remains responsible for all work performed and all expenses incurred in connection with this Agreement.

**18. BINDING AGREEMENT.** This Agreement is binding upon and inures to the benefit of the Parties and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations, or remedies upon any other person or entity except as expressly provided for in this Agreement.

**19. INTERPRETATION.** No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.

**20. ENTIRE AGREEMENT.** This Agreement, together with the attached exhibits and documents made a part by reference, embodies the entire agreement of the Parties. There are no provisions, terms, conditions, or obligations other than those contained in this Agreement. This Agreement supersedes all previous communication, representation, or agreement, either verbal or written, between the Parties. No amendment will be effective unless reduced to writing and signed by an authorized officer of the Agency and the authorized officer of FDOT or his/her delegate.

**21. DUPLICATE ORIGINALS.** This Agreement may be executed in duplicate originals.

*The remainder of this page is intentionally left blank.*

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**AGENCY**

\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

As approved by the Council, Board, or

Commission on: \_\_\_\_\_

Attest: \_\_\_\_\_

Legal Review:

\_\_\_\_\_  
City or County Attorney

**FDOT**

State of Florida, Department of Transportation

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Review:

\_\_\_\_\_

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

EXHIBIT "A"

PROJECT DESCRIPTION

I. SCOPE OF SERVICES

[Provide a description of the improvements proposed within FDOT right-of-way]

II. PROJECT PLANS

The Agency is authorized to install the Project in accordance with the attached plans prepared by \_\_\_\_\_,  
P.E./R.L.A./Architect and dated \_\_\_\_\_. Any revisions to these plans must be approved by FDOT in writing.

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

EXHIBIT "B"

SPECIAL PROVISIONS

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

EXHIBIT "C"

TERMS AND CONDITIONS FOR INSTALLATION OF THE PROJECT

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

EXHIBIT "D"

AGENCY RESOLUTION

Section No. \_\_\_\_\_ CAFA No. \_\_\_\_\_

EXHIBIT "E"

NOTICE OF COMPLETION AND RESPONSIBLE PROFESSIONAL'S  
CERTIFICATE OF COMPLIANCE

**NOTICE OF COMPLETION**

COMMUNITY AESTHETIC FEATURE AGREEMENT  
Between  
THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION  
and \_\_\_\_\_

PROJECT DESCRIPTION: \_\_\_\_\_

In accordance with the Terms and Conditions of the Community Aesthetic Feature Agreement, the undersigned provides notification that the work authorized by this Agreement is complete as of \_\_\_\_\_, 20\_\_\_\_\_.

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**RESPONSIBLE PROFESSIONAL'S CERTIFICATION OF COMPLIANCE**

In accordance with the Terms and Conditions of the Community Aesthetic Feature Agreement, the undersigned certifies that all work which originally required certification by a Professional Engineer has been completed in compliance with the Project construction plans and specifications. If any deviations have been made from the approved plans, a list of all deviations, along with an explanation that justifies the reason to accept each deviation, will be attached to this Certification. Also, with submittal of this certification, the Agency shall furnish FDOT a set of "as-built" plans certified by the Engineer of Record.

By: \_\_\_\_\_

SEAL:

Name: \_\_\_\_\_

Date: \_\_\_\_\_



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Plans Prepared By:  
**CPH, Inc.**

1117 East Robinson Street  
Orlando, Florida 32801  
Phone: 407.425.0452

Licenses:  
Engineering C.O.A. No. 3215  
Survey L.B. No. 7143  
Architectural Lic. No. AA2600926  
Landscape Lic. No. LC0000298

MATTHEW C. CUSHMAN, P.E.  
FL P.E. No. 73150

# CITY OF LAKE ALFRED



## CAF Local ID Markers - Gateway Signs

January 21, 2016

City of Lake Alfred  
CAF Local ID Markers - Gateway Signs

Cover Sheet

Scale: NONE

Date: January 21, 2016

Job No.: L2748

File: Cover - Index -  
Gateway Sign Details



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MATTHEW C. CUSHMAN, P.E.  
FL P.E. No. 73150

## Table of Contents:

## Page:

1.	Sign Specifications
2.	Gateway Sign - Colors
3.	Gateway Sign - Dimensions
4.	Gateway Sign - Materials
5.	Gateway Sign - Sign Face Graphic Layout
6.	Location / Gateway Sign Placement Map
7.	Site Plan - Gateway Sign No. 1
8.	Site Plan - Gateway Sign No. 2
9.	Double Post Sign FDOT - Foundation & Framing Details

<b>Specs</b>
<b>GW-1</b>
<b>GW-2</b>
<b>GW-3</b>
<b>GW-4</b>
<b>Map-1</b>
<b>SP-1</b>
<b>SP-2</b>
<b>S1.0</b>

City of Lake Alfred  
CAF Local ID Markers - Gateway Signs

Table of Contents

Scale: NONE

Date: January 21, 2016

Job No.: L2748

File: Cover - Index -  
Gateway Sign Details



Gateway Sign



Art Work:

**Typefaces for Local ID Marker - Gateway Sign:**



ABCDEFGHIJKLMN OPQRSTUVWXYZ  
Uppercase  
abcdefghijklmnopqrstuvwxyz12345678  
Lowercase



ABCDEFGHIJKLMN OPQRSTUVWXYZ  
Uppercase  
abcdefghijklmnopqrstuvwxyz12345678  
Lowercase



ABCDEFGHIJKLMN OPQRSTUVWXYZ  
Uppercase  
abcdefghijklmnopqrstuvwxyz12345678  
Lowercase

**Quality Assurance**

- A. Coordinate final sign locations with FDOT and the City.
- B. Provide a five year warranty on the sign construction, structures, and paint finishes.

**Project Conditions**

- A. Field measurements: Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting. Verify location of all signs relative to map provided. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delay.

**Performance Requirements**

- A. All signage shall be of top quality workmanship and materials, and be free of defects. Defects are defined to include delamination, abnormal deterioration, fading and discoloration, weathering, failure of securing to substrates indicated, cracking, bubbles, corrosion or coating damage, or visible scratches on surfaces.
- B. Signage shall not bear manufacturer's code or other identifying marks on area or part that may be visible in the normal positioning, attitude, or use of the sign.
- C. The drawings are diagrammatic and indicated the aesthetic of "design intent" only. Details shown are intended as a guide for the interlacing of adjacent surfaces.
- D. The sign fabricators and installer/contractor shall ensure that the design of all support substrates and structures are adequate for the performance of all work required.
- E. The contractor shall be familiar with proper construction methods and installation of all items, have ten years of experience, and six projects similar in nature.
- F. The specifications make no attempt to consider all construction requirements that may apply.
- G. The designer reserves the right to visit the plant where fabrication will occur. The contractor shall submit previous projects to illustrate capabilities.
- H. Foundation and sign panel must be designed to wind load requirements in FDOT Standard Index.
- I. All messages, borders, legends, and backgrounds of gateway signs and any enhancement markers shall be retroreflective and in accordance with Section 994 (Retroreflective and Nonreflective Sheetting and Sign Panel Fabrication) of the Standard Specifications for Road and Bridge Construction 2016.
- J. A minimum contrast value of legend color to background color of 70 percent is required for community wayfinding guide signs (ADA minimum contrast value).
- K. All work shall comply with the requirements of the specifications and the 2016 FDOT design standards.

**Signing and Graphic Submittals**

- A. Prior to commencement of work, the contractor shall provide scaled drawings of all elements. Shop drawings shall show all suggested text styles, dimensions, details of construction, materials, technical data, and installation instructions for each type of sign required. The engineer of record is responsible for securing approval from the FDOT for wind load calculations, foundation designs, anchorages and accessory items.
- B. Samples shall be fabricated with colors and finishes as required:
  - 1. Submit proofs of artwork and symbols of actual painted aluminum for each color specified.
  - 2. Submit prototype samples and color-match samples.
  - 3. Submit complete layout of text and owner supplied graphics for review prior to start of fabrication. If more than one supplier's cut will be used, submit each cut for review.
- C. Submit fabrication schedule.
- D. Submit shop drawings
- E. Submit signage schedule. The signage schedule is a consolidated reference that gives the location, sign type, copy, surface, and /or mounting, and information that is not conducive to exclusive categorization. The contractor shall submit scaled layout for each sign face for copy, format, and spacing approval.



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Plans Prepared By:  
**CPH, Inc.**

1117 East Robinson Street  
Orlando, Florida 32801  
Phone: 407.425.0452

Licenses:  
Engineering C.O.A. No. 3215  
Survey L.B. No. 7143  
Architectural Lic. No. AA2600926  
Landscape Lic. No. LC0000298

MATTHEW C. CUSHMAN, P.E.  
FL P.E. No. 73150

City of Lake Alfred  
CAF Local ID Markers - Gateway Signs

Sign Specifications

Scale: NONE  
Date: January 21, 2016  
Job No.: L2748  
File: Cover - Index - Gateway Sign Details

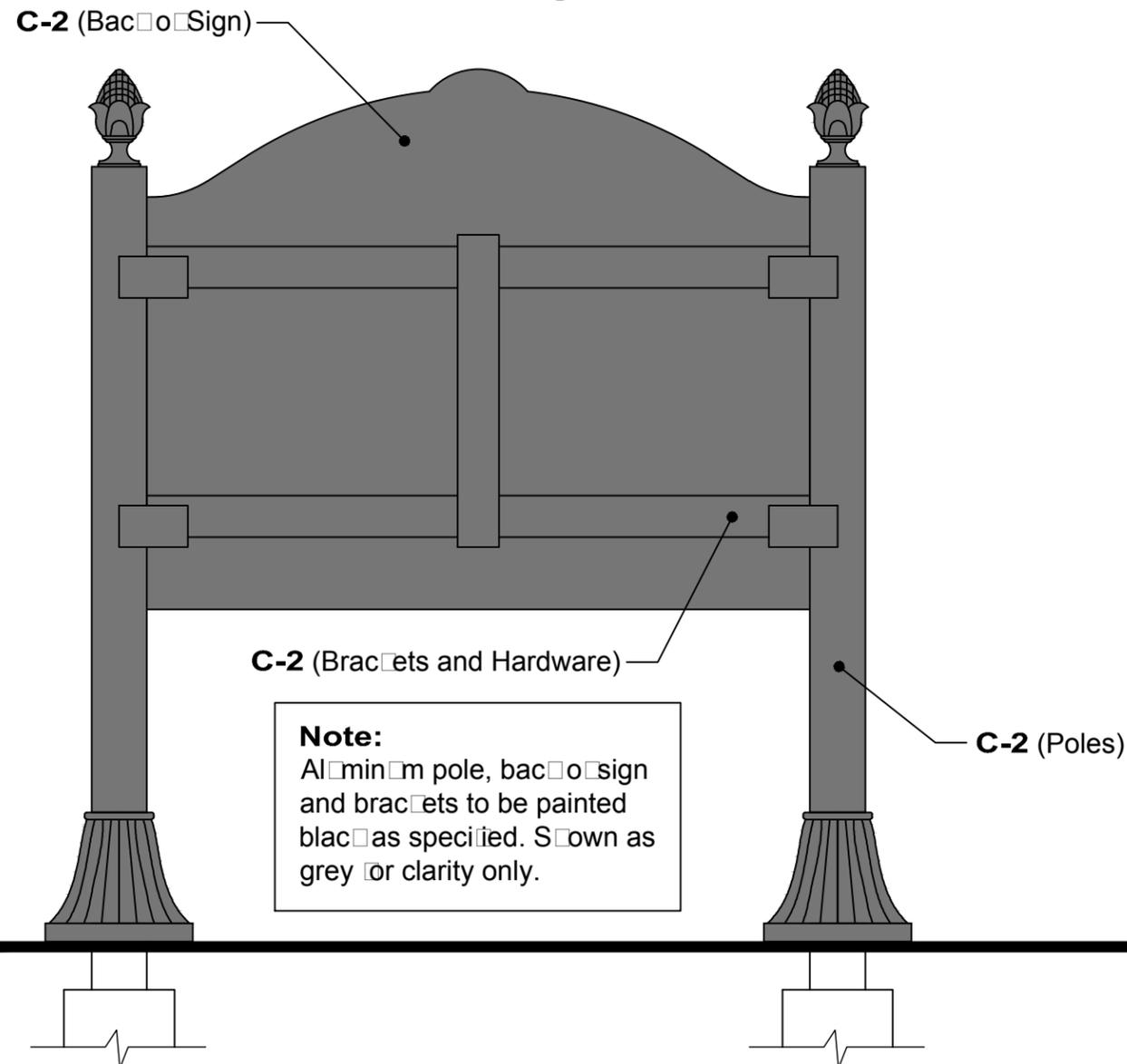
Page  
**Specs**

**Artwork**



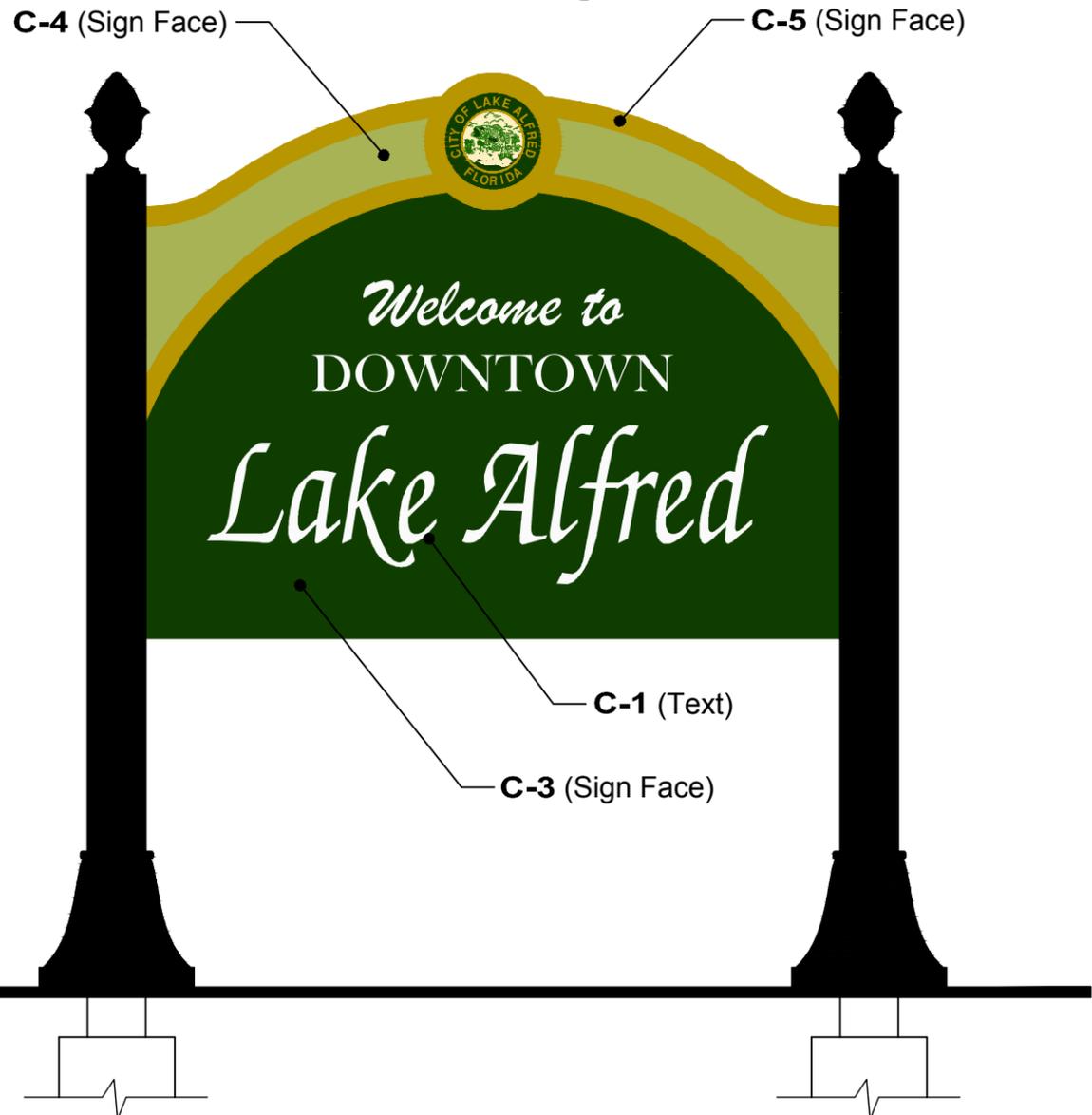
- |   |  |
|---|--|
| <b>C-1</b> White - Diamond Grade Reflective Sheeting, 3M 981-10 White | <b>C-4</b> Light Green - Matthews Paint Clintonite Green MP14762 |
| <b>C-2</b> Black - Matthews Paint Wells Fargo Black MP26309           | <b>C-5</b> Gold - Matthews Paint Electrum MP12440                |
| <b>C-3</b> Dark Green - Matthews Paint Lime Peel MP 12444             | <b>C-6</b> Light Gold - Matthews Paint Whisper Gold MP01351      |

**Back of Sign**



**Note:**  
Aluminum pole, back of sign and brackets to be painted black as specified. Shown as grey for clarity only.

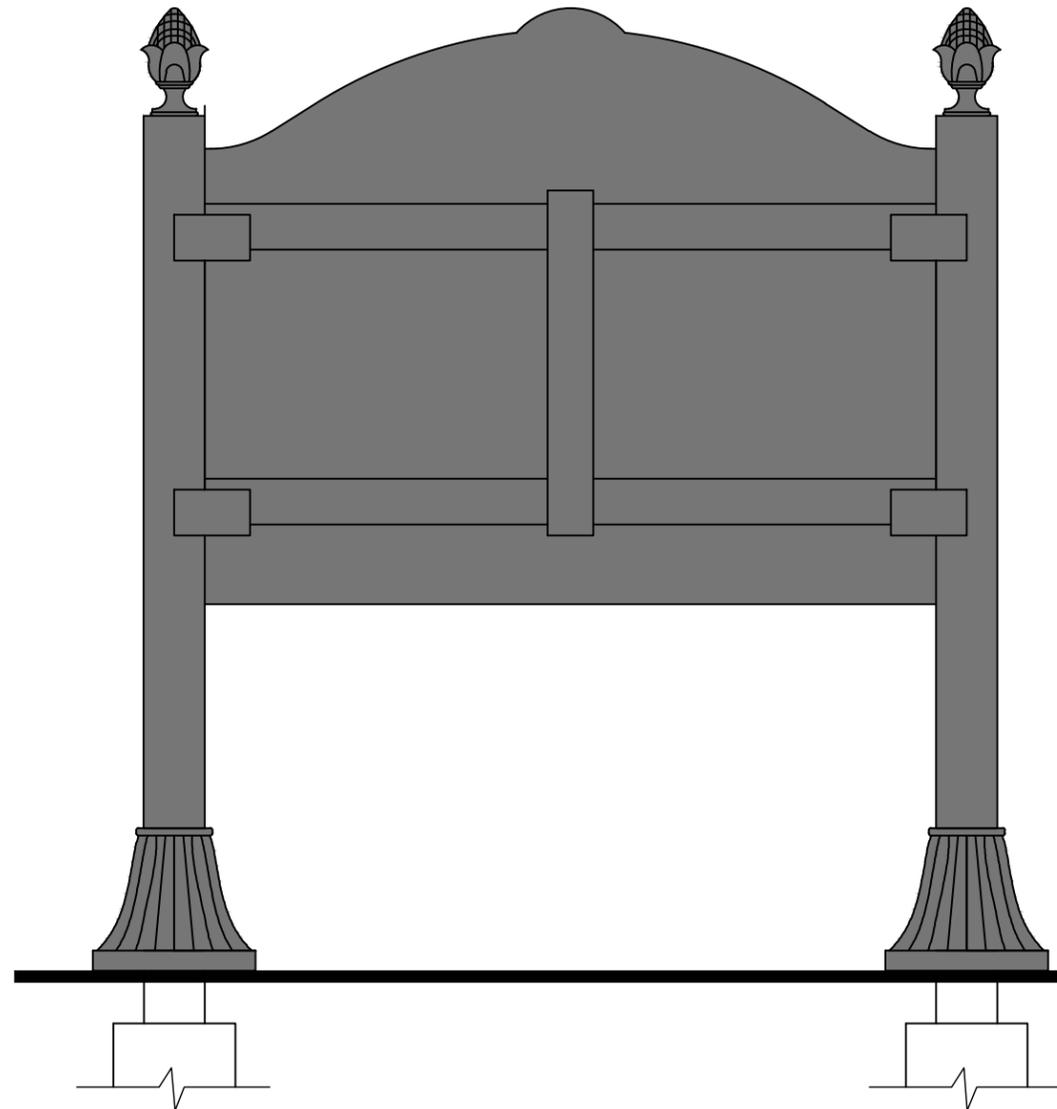
**Front of Sign**



**Back of Sign**

**Note:**

Aluminum pole, back of sign and brackets to be painted black as specified. Shown as grey for clarity only.



**Front of Sign**



**Installation Note:**

Gateway Signs (multi-post) must maintain minimum lateral clearances as shown on site plans SP-1 and SP-2 from face of curb or from the edge of the inside travel lane. The measurement will be to the outside dimensions of the sign assembly per FDOT Index 17302.



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MATTHEW C. CUSHMAN, P.E.  
FL P.E. No. 73150

City of Lake Alfred  
CAF Local ID Markers - Gateway Signs

Gateway Sign - Dimensions

Scale: 1/2" = 1'-0"

Date: January 21, 2016

Job No.: L2748

File: Cover - Index -  
Gateway Sign Details

**Back of Sign**

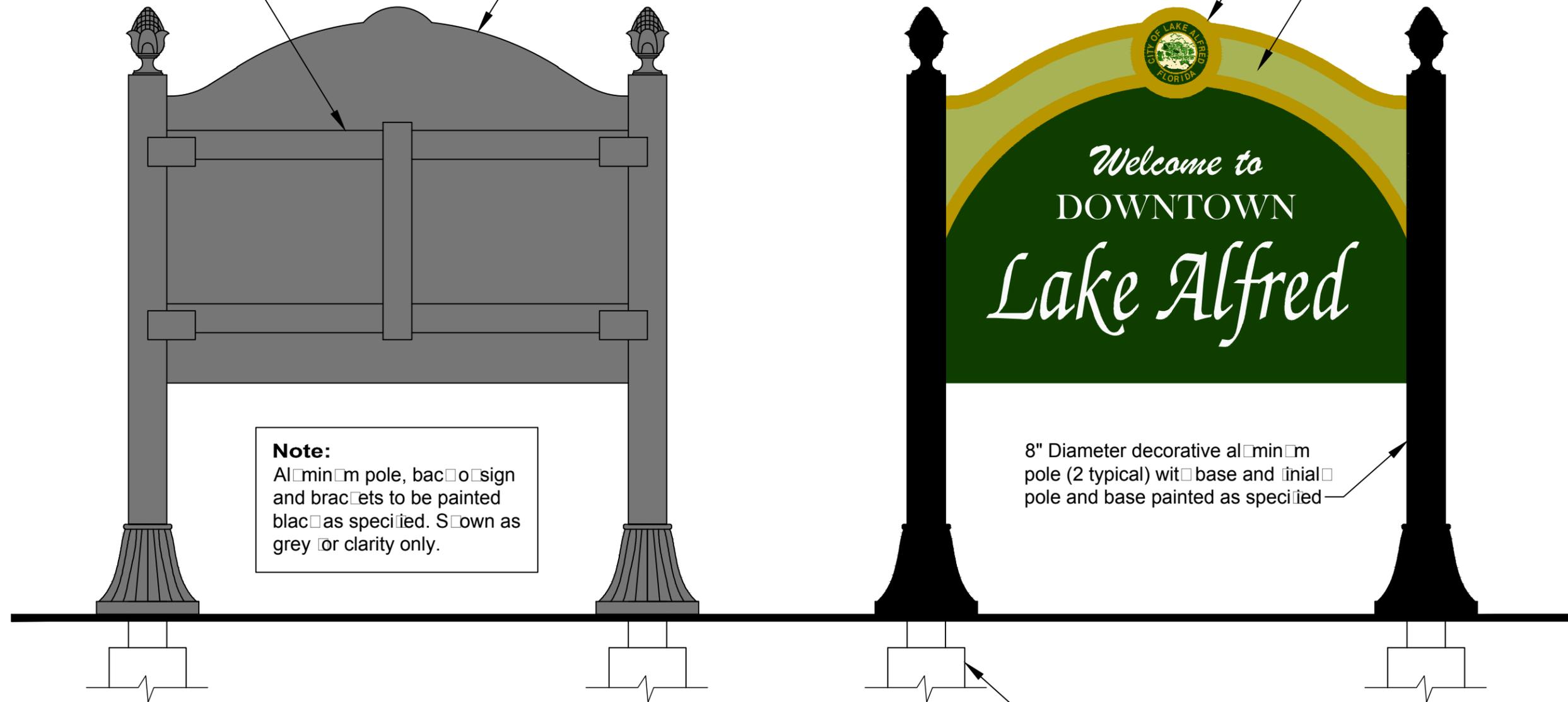
**Front of Sign**

Aluminum angle brackets with tamper proof fasteners. Design and placement per FDOT requirements

Back of sign and brackets to be painted with Matthews automotive grade finish sign paint with clear coat

0.125" thick Aluminum panel face

Sign surface to be Reflective 3M Series Graphic Film



**Note:**  
Aluminum pole, back of sign and brackets to be painted black as specified. Shown as grey for clarity only.

8" Diameter decorative aluminum pole (2 typical) with base and final pole and base painted as specified

Foundation per FDOT requirements and Florida Building Code

City of Lake Alfred  
CAF Local ID Markers - Gateway Signs

Gateway Sign - Materials

Scale: 1/2" = 1'-0"

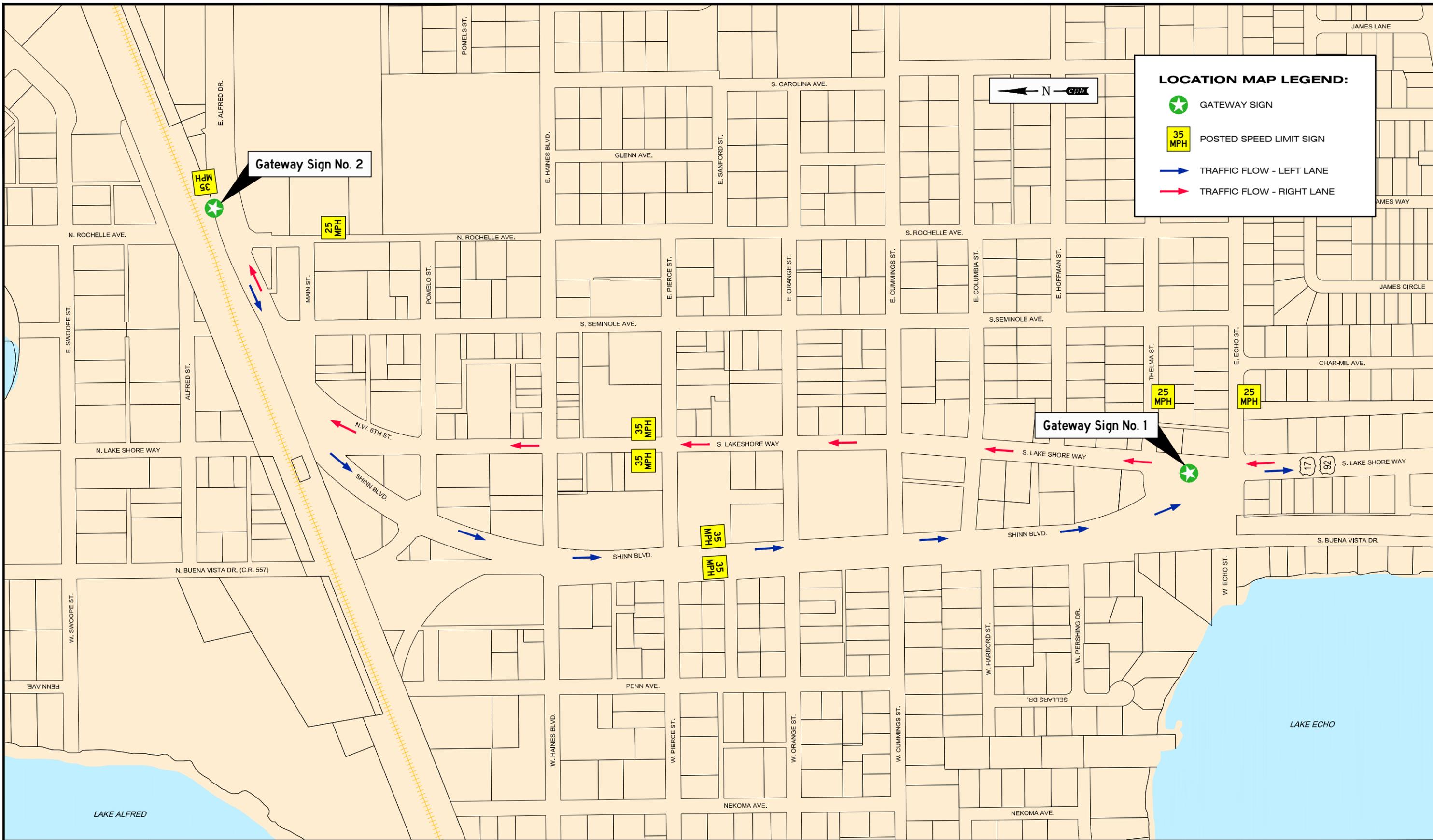
Date: January 21, 2016

Job No.: L2748

File: Cover - Index - Gateway Sign Details



**Note:** Text to be centered on sign.



**LOCATION MAP LEGEND:**

- GATEWAY SIGN
- 35 MPH POSTED SPEED LIMIT SIGN
- TRAFFIC FLOW - LEFT LANE
- TRAFFIC FLOW - RIGHT LANE



Plan Prepared By:  
**CPH, Inc.**  
 1117 E. Robinson Street ~ Orlando, FL 32801  
 Ph: 407.425.0452  
 Licenses:  
 Engineering C.O.A. No. 3215  
 Survey L.B. No. 7143  
 Architectural Lic. No. AA2600926  
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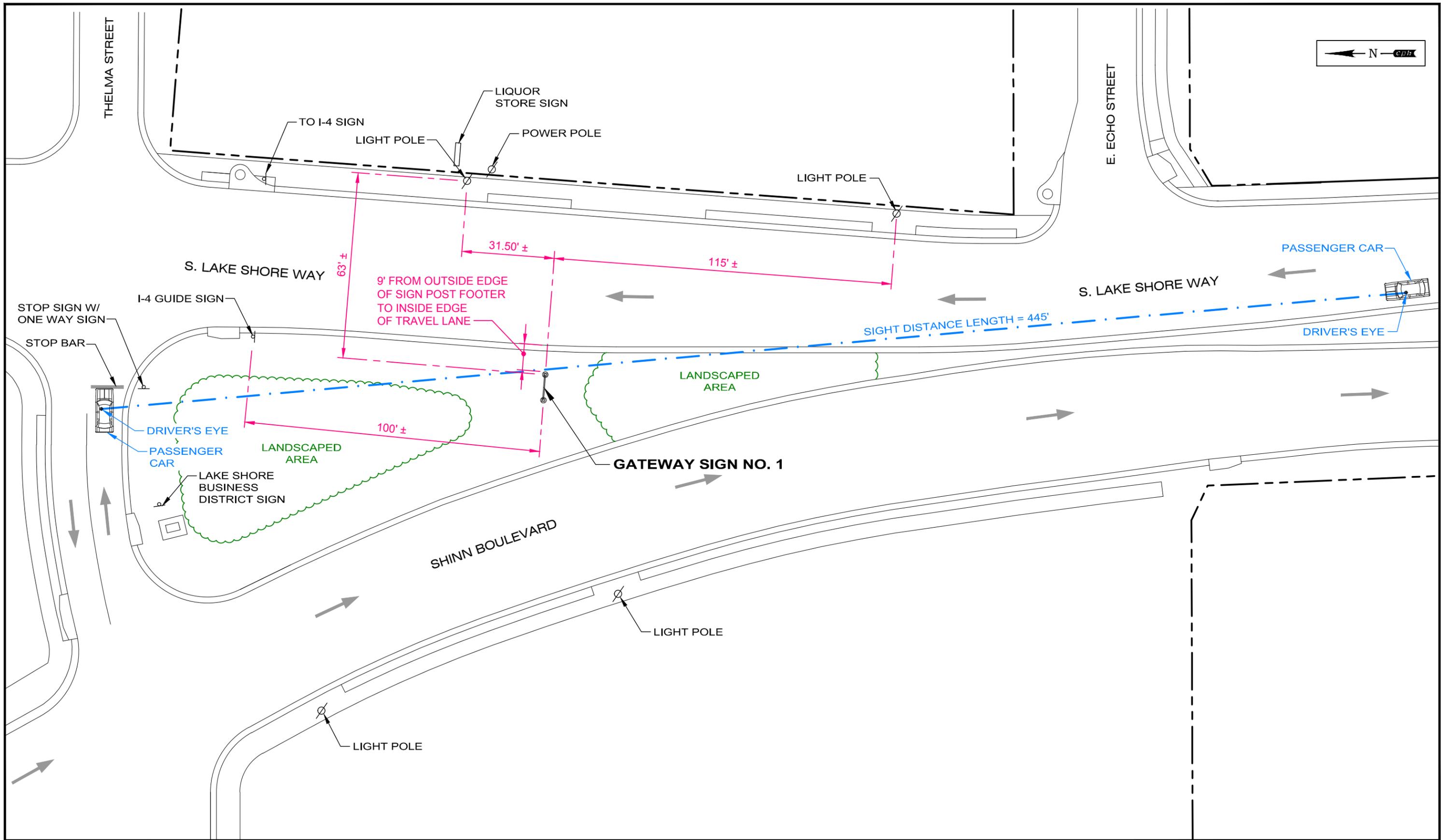
MATTHEW C. CUSHMAN, P.E.  
 FL P.E. No. 73150

City of Lake Alfred - CAF Local ID Markers - Gateway Signs

Location / Gateway Sign Placement Map

© 2014

Scale: 1" = 350' ±  
 Date: January 21, 2016  
 Job No.: L2748  
 File: Location Map - Sign Site Plans



Plan Prepared By:  
**CPH, Inc.**  
 1117 E. Robinson Street ~ Orlando, FL 32801  
 Ph: 407.425.0452  
 Licenses:  
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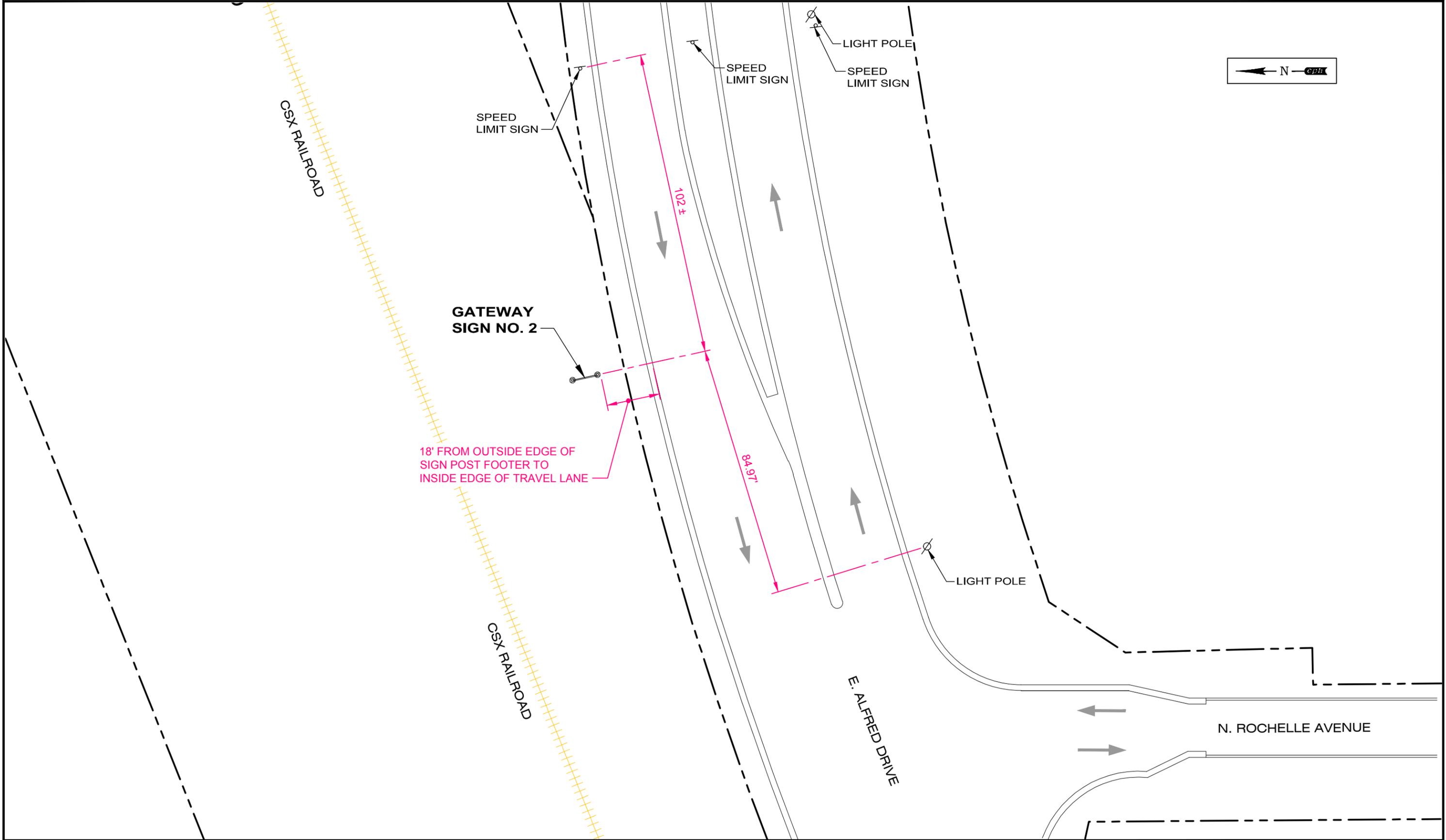
City of Lake Alfred - CAF Local ID Markers - Gateway Signs

Site Plan - Gateway Sign No. 1

© 2014

Scale: 1" = 30' ±  
 Date: January 21, 2016  
 Job No.: L2748  
 File: Location Map - Sign Site Plans

Page  
**SP-1**

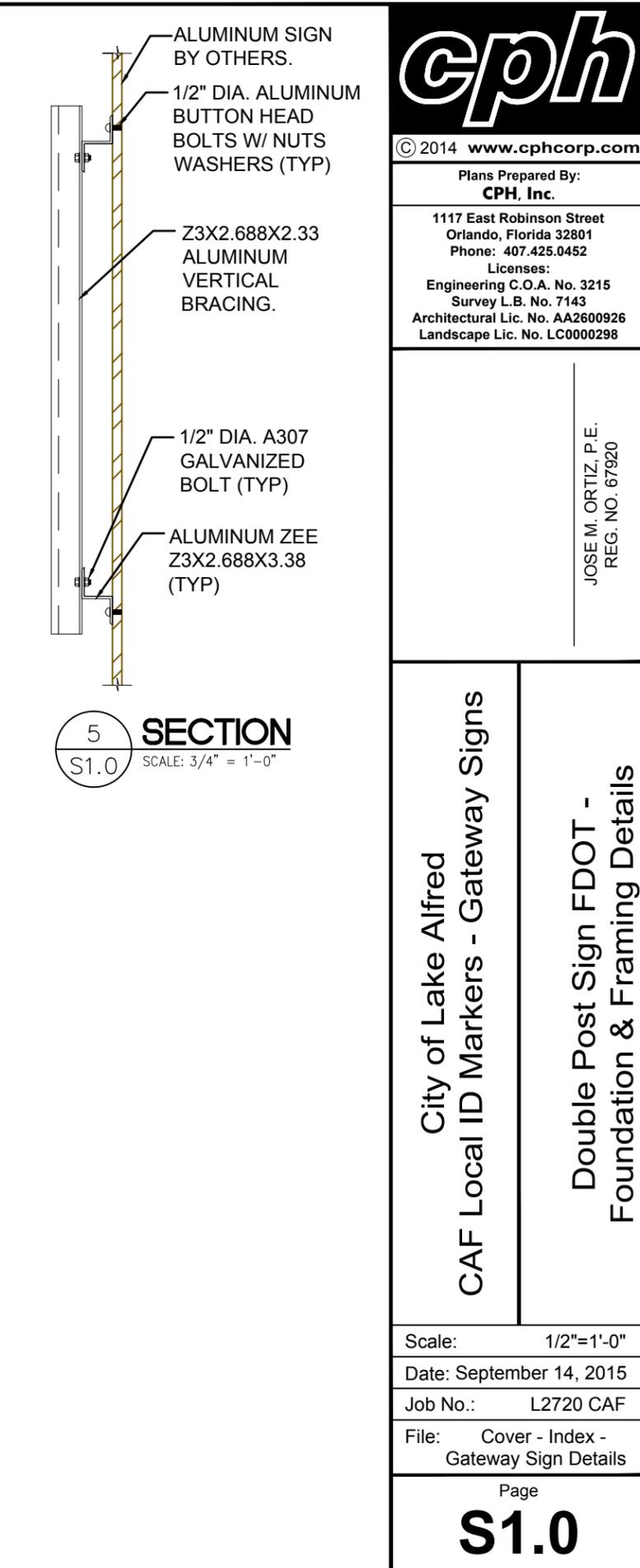
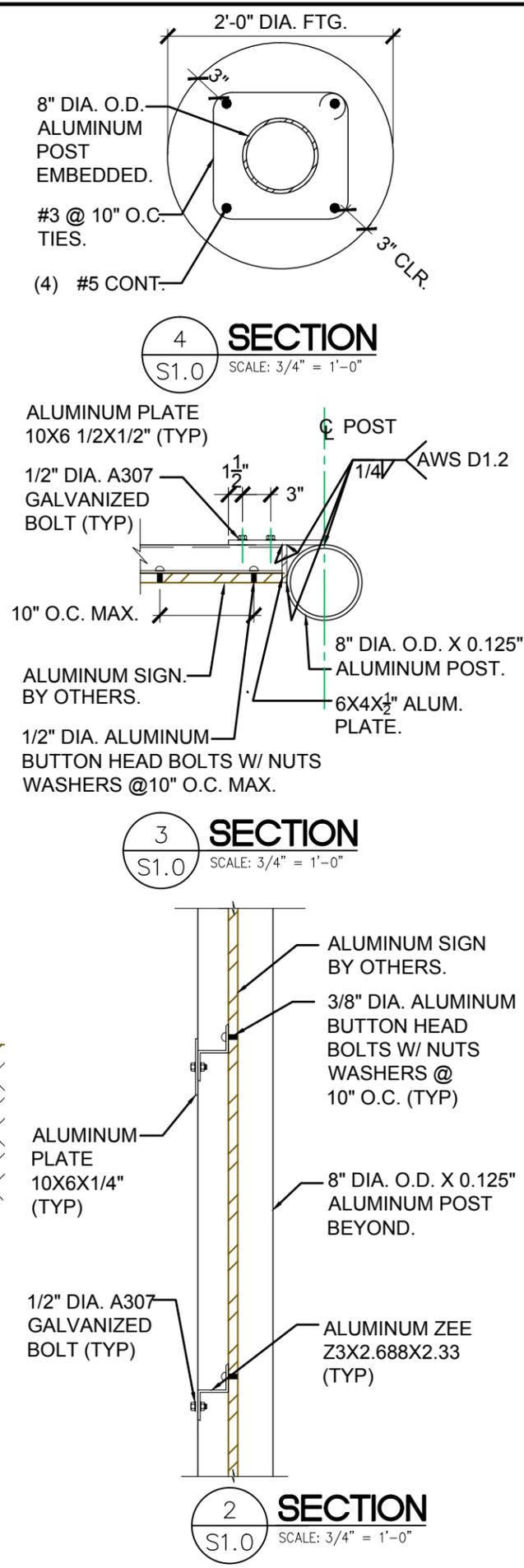
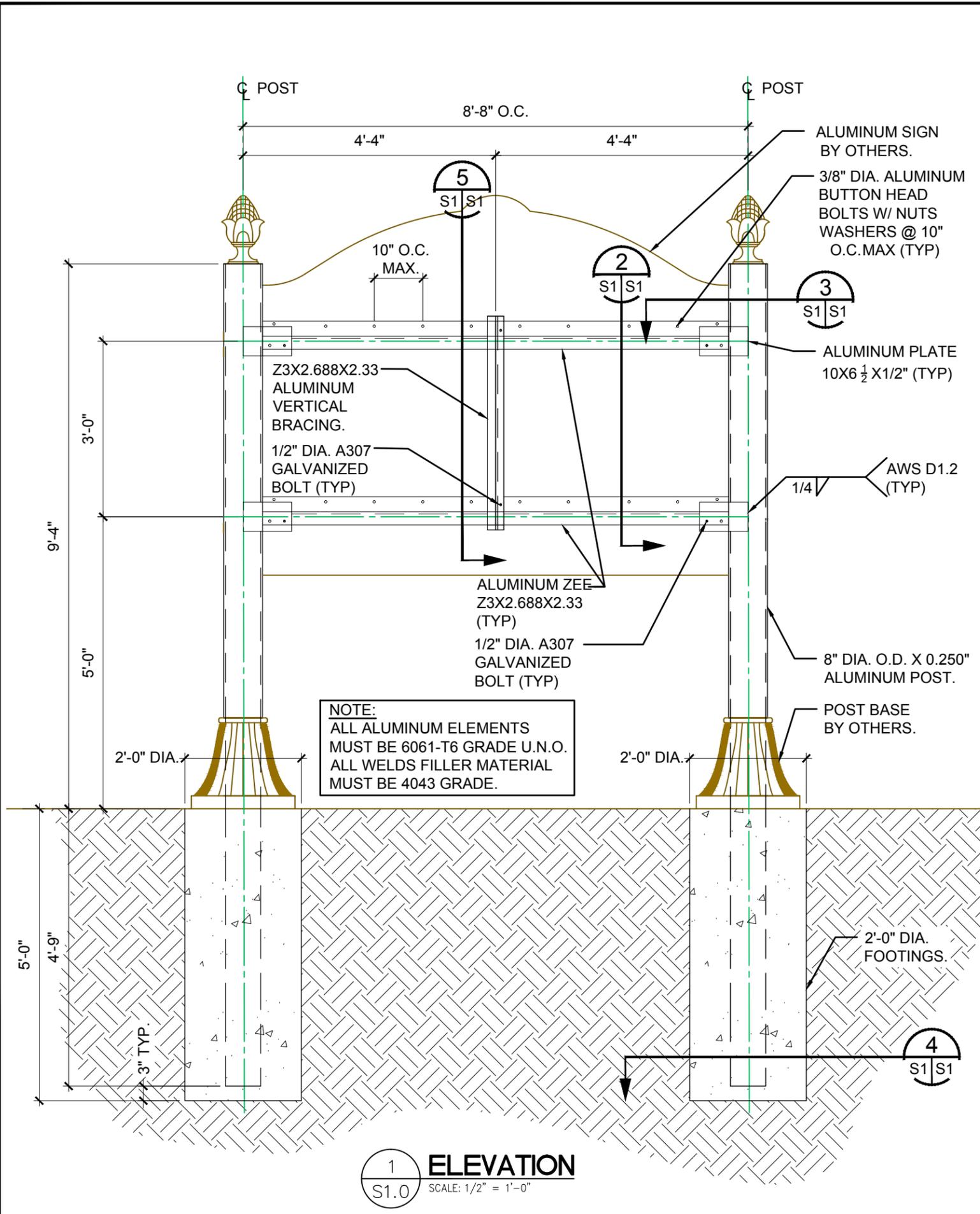


Plan Prepared By:  
**CPH, Inc.**  
 1117 E. Robinson Street ~ Orlando, FL 32801  
 Ph: 407.425.0452  
 Licenses:  
 Engineering C.O.A. No. 3215  
 Survey L.B. No. 7143  
 Architectural Lic. No. AA2600926  
 Landscape Lic. No. LC0000298

MATTHEW C. CUSHMAN, P.E.  
 FL P.E. No. 73150

City of Lake Alfred - CAF Local ID Markers - Gateway Signs  
 Site Plan - Gateway Sign No. 2

Scale: 1" = 30' ±  
 Date: January 21, 2016  
 Job No.: L2748  
 File: Location Map - Sign Site Plans



**LAKE ALFRED CITY COMMISSION MEETING  
APRIL 4, 2016**

---

**3.) RESOLUTION 02-16: FDOT PEDESTRIAN BRIDGE MAINTENANCE AGREEMENT**

---

**ISSUE:** The City Commission will consider an agreement with the Florida Department of Transportation (FDOT) for acceptance of maintenance for the new pedestrian bridge.

**ATTACHMENTS:**

- Resolution 02-16
- FDOT System Post Project Maintenance Agreement: Pedestrian Bridge

**ANALYSIS:** In the fall of 2016, the Florida Department of Transportation (FDOT) is set to begin construction of the pedestrian bridge across Highway 17/92 that will link the pedestrian trails between Lake Alfred and Winter Haven. The proposed agreement requires the City as the local agency to be responsible for maintenance of the project upon its completion.

The proposed agreement is consistent with other projects within the City (pedestrian trail) and has been reviewed by the City Attorney.

**STAFF RECOMMENDATION:** Approval of Resolution 02-16.

## RESOLUTION 02-16

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF LAKE ALFRED, FLORIDA, APPROVING AND AUTHORIZING THE EXECUTION OF THE SYSTEM POST PROJECT MAINTENANCE AGREEMENT BETWEEN THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE CITY OF LAKE ALFRED REGARDING THE LAKE ALFRED PEDESTRIAN BRIDGE AND AUTHORIZING THE MAYOR AND APPROPRIATE CITY OFFICIALS TO EXECUTE THE SYSTEM POST PROJECT MAINTENANCE AGREEMENT; PROVIDING FOR THE REPEAL OF CONFLICTING RESOLUTIONS AND THE ADMINISTRATIVE CORRECTION OF SCRIVENER'S ERRORS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the State of Florida Department of Transportation (FDOT) has undertaken a project and obtained approval for construction of a pedestrian bridge overpass through the City of Lake Alfred; and

**WHEREAS**, the FDOT is requesting the City of Lake Alfred maintain the pedestrian bridge that will be constructed over US Highway 17/92 connecting the Winter Haven Chain of Lakes Trail and the Lake Alfred Veterans Memorial Trail in accordance with the terms of the Transportation on System Post Project Maintenance Agreement (hereinafter "Agreement") under Project FPID #429883-1-52-01 attached hereto as Exhibit "A" and incorporated herein by reference; and

**WHEREAS**, the City shall be responsible, for the costs of maintenance for said project in accordance with the following federally accepted state standards: (a) Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (2012), as amended and the terms of the Agreement with FDOT; and

**WHEREAS**, the City finds that entering into this Agreement is in the best interests and promotes the health, welfare, and safety of the residents and citizens of the City of Lake Alfred.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF LAKE ALFRED, FLORIDA, THAT:**

**SECTION 1: RECITALS.** The above recitals are hereby incorporated as a factual basis for the passage of this Resolution.

**SECTION 2: AGREEMENT.** That the City of Lake Alfred does hereby approve and authorize the Mayor and other appropriate City officials to execute the System Post-Project Maintenance Agreement for project FPID#429883-1-52-01 relating to the Lake Alfred Pedestrian Bridge attached hereto and made a part of this Resolution as Exhibit "A".

**SECTION 3: SEVERABILITY.** The provisions of this Resolution are severable. If any word, sentence, clause, phrase or provision of this Resolution for any reason is declared by any court of competent jurisdiction to be void, unconstitutional or unenforceable, then all remaining provisions and portions of this Resolution shall remain in full force and effect.

**SECTION 4: CONFLICT.** All Resolutions in conflict with this Resolution are repealed to the extent necessary to give this Resolution full force and effect.

**SECTION 5: CODIFICATION.** Any provision in this Resolution may be renumbered or relettered and the correction of typographical and/or scrivener's errors which do not affect the intent may be authorized by the City Manager or his designee, without need of consideration by the City Commission, by filing a corrected or recodified copy of same with the City Clerk.

**SECTION 6: EFFECTIVE DATE.** That this Resolution shall take effect immediately upon passage.

**INTRODUCED AND PASSED** by the City Commission of the City of Lake Alfred, Florida, in a regular session this 4<sup>th</sup> day of April, 2016.

**CITY OF LAKE ALFRED, FLORIDA  
CITY COMMISSION**

ATTEST:

\_\_\_\_\_  
Charles O. Lake, Mayor

\_\_\_\_\_  
Ameé Bailey Speck, City Clerk

Approved as to form:

\_\_\_\_\_  
Frederick J. Murphy, Jr., City Attorney

**TRANSPORTATION ON SYSTEM POST PROJECT MAINTENANCE AGREEMENT  
BETWEEN  
FLORIDA DEPARTMENT OF TRANSPORTATION  
AND  
CITY OF LAKE ALFRED**

This is an Agreement, by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (hereinafter, the "DEPARTMENT") and City of Lake Alfred (hereinafter, "LOCAL AGENCY") for the maintenance of off system post-project transportation enhancements described below.

**WITNESSETH**

1. WHEREAS, pursuant to Fla. Stat. §339.08, and the Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21), the DEPARTMENT is authorized to undertake a project within the LOCAL AGENCY geographical limits; and
2. WHEREAS, said project is identified and known to the parties as Financial Project # **429883-1-52-01**, FAP # **8886-513-A**, which will benefit the LOCAL AGENCY; and
3. WHEREAS, in accordance with Title 23, U.S. Code, Section 116 and Federal Highway Administration regulations issued pursuant thereto, there must be an agreement from the LOCAL AGENCY to maintain the project; and
4. WHEREAS, the LOCAL AGENCY by Resolution No. \_\_\_\_\_, dated \_\_\_\_\_, a copy of which is attached hereto and made a part hereof as **Exhibit A**, has consented to and approved the Agreement and has authorized its Chairman or designee to execute said Agreement.

NOW, THEREFORE, in consideration of the premises, the parties agree as follows:

1. The DEPARTMENT has undertaken a Scenic Enhancement project and obtained approval for federal participation for the construction of a 161 foot long, 12 foot wide bridge including the abutting asphalt trail, MSE walls and abutments as per the plans delineated in **Exhibit A**, attached and incorporated by reference, at the following location:
  - US 17/92 in the City of Lake Alfred from Station 2+00.00 to Station 11+80.00.
2. It is understood and agreed by the parties that upon completion of the project, the LOCAL AGENCY shall be responsible, at its costs, for maintenance of said project in accordance with the following federally accepted state standards: (a) Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (2012), as amended.
3. This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein and the parties agree that there are no commitments, agreements or understanding concerning the subject matter of this Agreement that are not contained in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representation or agreements

whether oral or written. This Agreement shall be governed, interpreted and construed according to the laws of the State of Florida.

4. IN WITNESS WHEREOF, the City of Lake Alfred has caused this Agreement to be executed in its behalf through its Chairman or designee, and THE FLORIDA DEPARTMENT OF TRANSPORTATION has caused this Agreement to be executed in its behalf through its District Secretary for District One, as indicated below. This Agreement shall become effective on:

\_\_\_\_\_ Department to enter date.

---

**CITY OF LAKE ALFRED, FLORIDA**

ATTEST

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
CHAIRMAN, OR DESIGNEE

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
TITLE

DATE

\_\_\_\_\_  
DATE

CITY OF LAKE ALFRED LEGAL REVIEW:

BY: \_\_\_\_\_  
DATE

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**

ATTEST

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
DISTRICT ONE SECRETARY  
OR DESIGNEE

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
TITLE

DATE

\_\_\_\_\_  
TITLE

DATE

FLA. DEPT. OF TRANS. LEGAL REVIEW:

BY: \_\_\_\_\_

*STATE OF FLORIDA*  
*DEPARTMENT OF TRANSPORTATION*

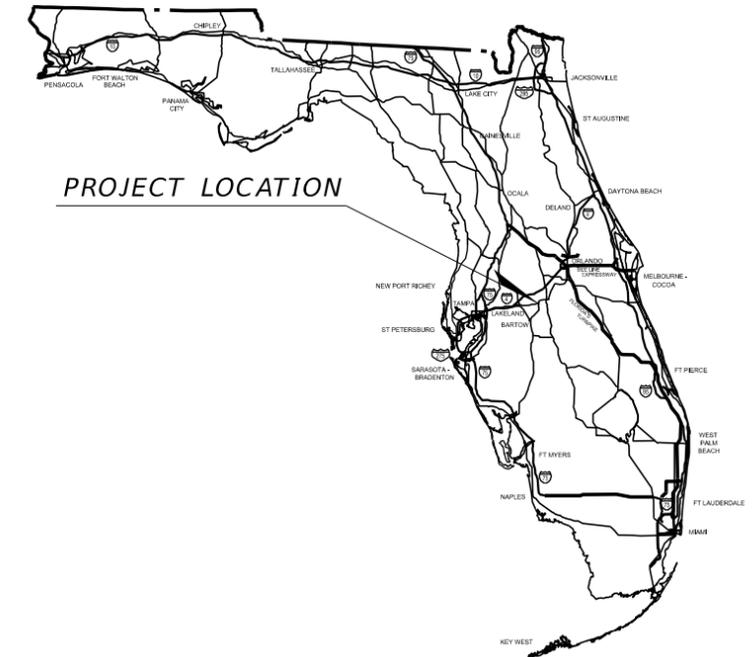
INDEX OF STRUCTURE PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
B-1	KEY SHEET
BQ1-1	SUMMARY OF STRUCTURE QUANTITIES
B1-1	PROJECT NOTES
B1-2	SURFACE FINISH DETAILS
B1-3	PLAN AND ELEVATION
B1-4	VERTICAL PROFILE AND HORIZONTAL CURVE DATA
B1-5 TO B1-6	REPORT OF CORE BORINGS
B1-7	FOUNDATION LAYOUT
B1-8	END BENTS 1 AND 2
B1-9	END BENT DETAILS
B1-10	TYPICAL SECTION
B1-11	FINISH GRADE ELEVATIONS (1 OF 2)
B1-12	FINISH GRADE ELEVATIONS (2 OF 2)
B1-13	SUPERSTRUCTURE PLAN
B1-14	SUPERSTRUCTURE DETAILS (1 OF 2)
B1-15	SUPERSTRUCTURE DETAILS (2 OF 2)
B1-16	TABLE OF BEAM VARIABLES - FIB 72" BEAM
B1-17	APPROACH SLAB PLAN
B1-18	REINFORCING BAR LIST
B1-19	RETAINING WALL DATA TABLE
B1-20	RETAINING WALL 1 PLAN
B1-21	RETAINING WALL 2 PLAN
B1-22	RETAINING WALL 1 ELEVATION
B1-23	RETAINING WALL 2 ELEVATION

CONTRACT PLANS

**FINANCIAL PROJECT ID 429883-1-52-01**  
**POLK COUNTY (16020)**  
**LAKE ALFRED TRAIL AT SR 600 (US17 / 92)**

STRUCTURE PLANS



**STRUCTURE SHOP DRAWINGS  
TO BE SUBMITTED TO:**

**INFRASTRUCTURE ENGINEERS, INC.**  
2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103  
JACKSONVILLE, FLORIDA 32246  
PH.: 1-888-451-6822  
FAX: 904-645-3993

**PLANS PREPARED BY:**

**INFRASTRUCTURE ENGINEERS, INC.**  
2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103  
JACKSONVILLE, FLORIDA 32246  
PH.: 1-888-451-6822  
FAX: 904-645-3993  
CERTIFICATE OF AUTHORIZATION NO. 6876

CONTRACT NO. C9A59  
VENDOR NO. 593221706001

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

NOT FOR  
CONSTRUCTION

PHASE IV SUBMITTAL  
JANUARY 2016

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

STRUCTURE PLANS  
ENGINEER OF RECORD: SYBILLE BAYARD, PE

P.E. NO.: 56038

FISCAL YEAR	SHEET NO.
17	B-1

FDOT PROJECT MANAGER: CHUCK WOOD (GEC)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF STRUCTURE QUANTITIES - BRIDGE 169004

SECTION	PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
					P	F	P	F		
FOUNDATION	455-34-105	PRESTRESSED CONCRETE PILING, INCLUDES 100% DYNAMIC TESTING WITH INTERNAL GAUGES, 24" SQ	END BENTS	LF	122		122			Alternate AA1
	455-34-205	PRESTRESSED CONCRETE PILING, INCLUDES 100% DYNAMIC TESTING WITH EXTERNAL GAUGES, 24" SQ	END BENTS	LF	122		122			Alternate AA2
	459-71	PILES, POLYETHYLENE SHEETING	END BENT PILES	SY	60		60			
	455-143-105	TEST PILES - PRESTRESSED CONCRETE, 100% DYNAMIC TESTING WITH INTERNAL GAUGES, 24" SQ.	END BENTS	LF	152		152			Alternate AA1
	455-143-205	TEST PILES - PRESTRESSED CONCRETE, 100% DYNAMIC TESTING WITH EXTERNAL GAUGES, 24" SQ.	END BENTS	LF	152		152			Alternate AA2
SUBSTRUCTURE	400-2-5	CONCRETE CLASS II, SUBSTRUCTURE	END BENTS	CY	25.1		25.1			
	415-1-5	REINFORCING STEEL, SUBSTRUCTURE	END BENTS	LB	2420		2420			
APPROACH SLABS	400-2-10	CONCRETE CLASS II, APPROACH SLABS	APPROACH SLABS 1 AND 2	CY	18.6		18.6			
	415-1-9	REINFORCING STEEL, APPROACH SLABS	APPROACH SLABS 1 AND 2	LB	3126		3126			
SUPERSTRUCTURE	400-2-4	CONCRETE CLASS II, SUPERSTRUCTURE	BRIDGE DECK	CY	76.3		76.3			
	400-147	COMPOSITE NEOPRENE PADS		CF	1.9		1.9			
	415-1-4	REINFORCING STEEL - SUPERSTRUCTURE	BRIDGE DECK	LB	9300		9300			
	450-2-72	PREST BEAMS: FLORIDA-I 72"		LF	319		319			
	458-1-11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	BEGIN/END BRIDGE	LF	38		38			
RAILING/ BARRIERS	515-2-211	PEDESTRIAN / BICYCLE PICKET RAILING TYPE 1	AT RAMPS AND APPROACH SLABS	LF	1319		1319			
	521-6-11	CONCRETE PARAPET, PEDESTRIAN/BICYCLE, 27" HEIGHT	ALONG BRIDGE	LF	324		324			
	550-10-353	FENCING, TYPE R, 8.1-10.0', WITH FULL ENCLOSURE	ALONG BRIDGE	LF	162		162			
SPECIAL FEATURES	548-12	RETAINING WALL SYSTEM, PERMANENT, EXCLUDING BARRIER	AT ABUTMENTS AND ALONG RAMPS	SF	22054		22054			
	563-4	ANTI-GRAFFITI COATING, NON-SACRIFICIAL	ALONG FRONT FACE OF RETAINING WALLS	SF	22054		22054			

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SGA 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: CRH 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: SUMMARY OF STRUCTURE QUANTITIES	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

SPECIFICATIONS

- DESIGN:
  - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION AND ALL SUBSEQUENT INTERIMS.
  - FDOT STRUCTURES MANUAL (JANUARY 2016 EDITION) AND SUBSEQUENT STRUCTURES DESIGN BULLETINS.
  - LRFD GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION, WITH 2015 INTERM REVISIONS.
- FDOT PLANS PREPARATION MANUAL (JANUARY 2016 EDITION).

VERTICAL DATUM

ALL ELEVATIONS ARE IN FEET AND REFER TO NAVD 1988 DATUM.

ENVIRONMENTAL CLASSIFICATION

- SUPERSTRUCTURE:
  - SLIGHTLY AGGRESSIVE
- SUBSTRUCTURE:
  - SLIGHTLY AGGRESSIVE (CONCRETE)
  - MODERATELY AGGRESSIVE (STEEL)

DESIGN METHODOLOGY

LOAD RESISTANCE AND FACTOR DESIGN (LFRD) METHOD USING STRENGTH, SERVICE, EXTREME AND FATIGUE LIMIT STATES.

DESIGN LOADINGS

- DEAD LOADS:
  - UNIT WEIGHT OF REINFORCED CONCRETE: 150 PCF
  - 42" PEDESTRIAN/BICYCLE RAILING = 320 PLF
  - ENCLOSURE FENCE = 102 PLF
  - SIP METAL FORM = 20 PSF
  - DESIGN DOES NOT INCLUDE AN ALLOWANCE FOR FUTURE WEARING SURFACE
- LIVE LOADS:
  - H10 (NOT IN COMBINATION WITH PEDESTRIAN LOAD)
  - PEDESTRIAN = 90 PSF
  - DYNAMIC ALLOWANCE NOT CONSIDERED
- CONSTRUCTION LOADS:
  - FINISHING MACHINE LOAD: 16KIPS
  - FINISHING MACHINE WHEEL LOCATION BEYOND THE EDGE OF DECK OVERHANG: 6 INCHES
  - CONSTRUCTION LIVE LOAD: 20 PSF EXTENDED OVER THE ENTIRE BRIDGE WIDTH AND 50 FEET IN LONGITUDINAL LENGTH CENTERED ON THE FINISHING MACHINE.
  - REMOVABLE DECK CANTILEVER TIMBER FORMS WITH OVERHANG BRACKETS: 15PSF
  - LIVE LOAD AT OR NEAR THE OUTSIDE EDGE OF DECK DURING DECK CASTING: 75 PLF APPLIED AS A MOVING LOAD OVER A LENGTH OF 20 FEET.
  - CONSTRUCTION INACTIVE BASIC WIND SPEED INCLUDING EXPOSURE PERIOD REDUCTION FACTOR (RE): 66 MPH
  - VELOCITY PRESSURE EXPOSURE COEFFICIENT (K<sub>z</sub>): 1.14
  - CONSTRUCTION ACTIVE BASIC WIND SPEED: 20MPH

MATERIALS

1. CONCRETE:		
CLASS OF CONCRETE	MINIMUM 28-DAY COMPRESSIVE STRENGTH (PSI)	LOCATION OF CONCRETE
II (BRIDGE DECK)	F'C = 4,500	C.I.P. CONCRETE (SUPERSTRUCTURE AND APPROACH SLABS)
NS	F'C = 3,000	SIDEWALK
IV	F'C = 3,400	C.I.P. CONCRETE (SUBSTRUCTURE)
V (SPECIAL)	F'C = 6,000	PRESTRESSED CONCRETE PILES
VI	F'C = 8,500	PRESTRESSED BEAMS

CONCRETE COVER

C.I.P. SUPERSTRUCTURE (TOP OF SLAB)	2½"
C.I.P. SUPERSTRUCTURE (EXCEPT TOP OF SLAB)	2"
C.I.P. SUBSTRUCTURE (CAST AGAINST EARTH AND SURFACES IN CONTACT WITH WATER)	4"
C.I.P. SUBSTRUCTURE (FORMED SURFACES)	3"

CONCRETE COVERS SHOWN IN THE PLANS DO NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATIONS 415 FOR ALLOWABLE TOLERANCES. ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING ARE TO THE CENTERLINE OF BAR EXCEPT WHERE THE WORD CLEAR OR COVER DIMENSION IS SPECIFIED

PLAN DIMENSIONS

ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED. DO NOT SCALE DRAWINGS FOR DIMENSIONS NOT GIVEN.

UTILITIES

FOR LOCATION OF EXISTING UTILITIES, SEE PLAN AND ELEVATION SHEET. LOCATIONS OF THE UTILITIES SHOWN IN THE BRIDGE PLANS ARE APPROXIMATE. FOR DISPOSITION OF UTILITIES, REFER TO THE UTILITY ADJUSTMENT SHEETS IN THE ROADWAY PLANS.

BRIDGE NAME AND NUMBER

PLACE THE FOLLOWING BRIDGE NAME AND NUMBER ON THE PEDESTRIAN / BICYCLE RAILING IN ACCORDANCE WITH INDEX NO. 423:

NAME	NUMBER
"LAKE ALFRED TRAIL"	169004

SCREEDING DECK SLABS

SCREED THE RIDING SURFACE OF THE BRIDGE SLAB AND APPROACH SLABS TO ACHIEVE THE FINISH GRADE ELEVATIONS SHOWN IN THE PLANS. ACCOUNT FOR THEORETICAL DEFLECTIONS DUE TO SELF WEIGHT, SLAB CASTING SEQUENCE, SLAB FORMING SYSTEMS, CONSTRUCTION LOADS AND TEMPORARY SHORING, ETC. AS REQUIRED.

STAY-IN-PLACE DECK FORMS

DESIGN INCLUDES ALLOWANCE FOR 20 PSF OVER PROJECTED PLAN AREA OF THE METAL FORMS FOR THE UNIT WEIGHT OF THE METAL FORMS AND CONCRETE REQUIRED TO FILL FORM FLUTES. STAY IN PLACE FORMS ARE NOT ALLOWED AT DECK CANTILEVERS.

JOINTS IN CONCRETE

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS SHOWN IN THE PLANS, ADDITIONAL JOINTS OR DEVIATIONS FROM THE PLANS SHALL REQUIRE APPROVAL OF ENGINEER.

CONSTRUCTION OVER TRAFFIC

CONSTRUCTION ACTIVITIES NOT ALLOWED OVER TRAFFIC INCLUDED BUT ARE NOT LIMITED TO THE FOLLOWING:

- BEAM PLACEMENT
- SIP FORMS PLACEMENT
- BARRIER AND RAILING INSTALLATION

ABBREVIATIONS

EF = "EACH FACE"	UNO = "UNLESS NOTED OTHERWISE"
FF = "FAR FACE"	MVC = "MINIMUM VERTICAL CLEARANCE"
NF = "NEAR FACE"	E = "EXPANSION"
EB = "END BENT"	F = "FIXED"
EJ = "EXPANSION JOINT"	FFBW = "FRONT FACE OF BACKWALL"
MLO = "MINIMUM LATERAL OFFSET"	BFBW = "BACK FACE OF BACKWALL"
FFRW = "FRONT FACE OF RETAINING WALL"	

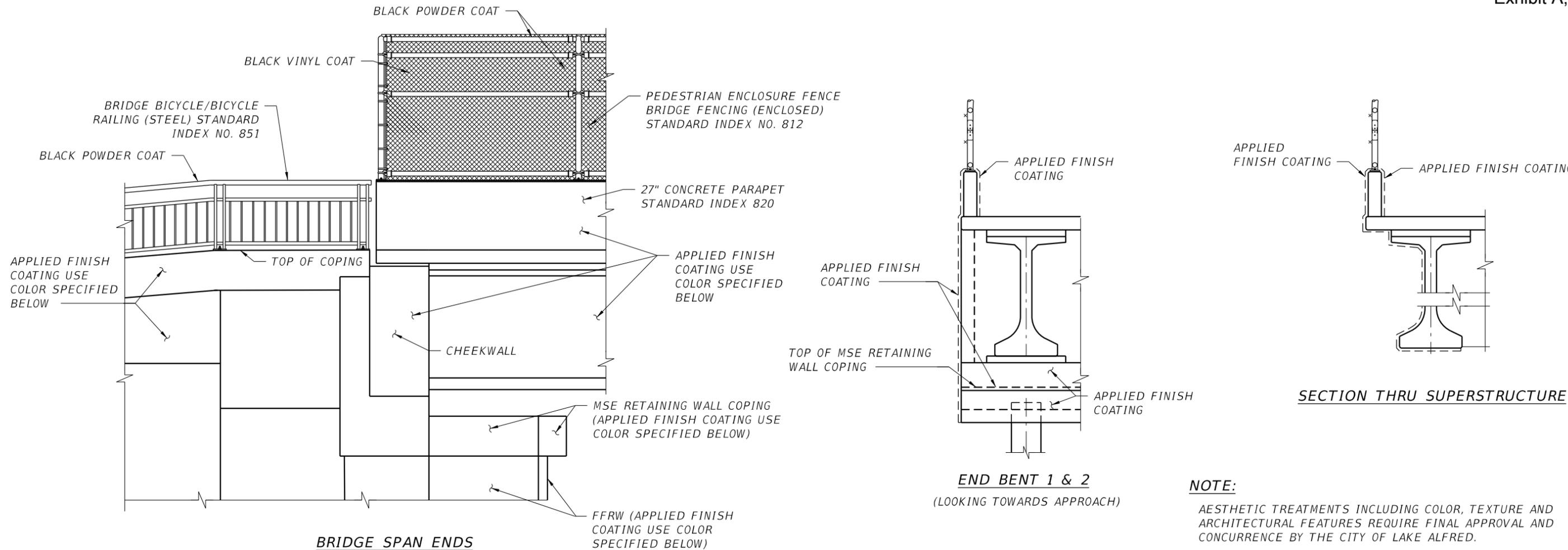
APPLIED FINISH COATING

CONCRETE SHALL RECEIVE A CLASS V FINISH AND ANTI-GRAFFITI COATING, AS SHOWN ON THE SURFACE FINISH DETAILS, SHEET B1-2.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  PROJECT NOTES	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
										PROJECT NAME: LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	SHEET NO. B1-1	



**NOTE:**  
AESTHETIC TREATMENTS INCLUDING COLOR, TEXTURE AND ARCHITECTURAL FEATURES REQUIRE FINAL APPROVAL AND CONCURRENCE BY THE CITY OF LAKE ALFRED.

**SURFACE FINISH DETAILS**

**CONCRETE SURFACE FINISH**

A CLASS V FINISH COATING SHALL BE APPLIED TO THE EXPOSED CONCRETE SURFACES AS SHOWN ABOVE.

ALL CONCRETE SURFACES EXCEPT FOR THE RIDING SURFACE AND BEAM TOP SHALL RECEIVE ONE APPLICATION OF TEXCOTE CLASS V FINISH WITH ONE TY-COTE (ANTI-GRAFFITI COATING) FINISH AS MANUFACTURED BY TEXTED COATING OF AMERICA OR APPROVED EQUAL.

USE COLOR FS# 33617 FOR MSE WALL COPING AND BEAMS. USE COLOR FS# 37778 FOR MSE WALLS, AND BEAMS FORM LINERS.

ALL PAINT MATERIALS ARE TO BE SUBMITTED FOR APPROVAL PRIOR TO CREATING SAMPLES.

ALL SURFACES THAT HAVE CURING COMPOUND APPLIED SHALL BE PRESSURE WASHED PRIOR TO RECEIVING THE FINISH COATING.

**BLACK VINYL COAT**

THE FOLLOWING EXPOSED SURFACE SHALL BE PREPARED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND RECEIVE A BLACK COLOR (OR APPROVED EQUIVALENT) FINISH: THE PEDESTRIAN ENCLOSURE FENCE CHAIN LINK FABRIC AND THE TENSION WIRE. SEE DETAILS THIS SHEET.

**BLACK POWDER COAT**

THE FOLLOWING EXPOSED SURFACE SHALL BE PREPARED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND RECEIVE A BLACK THERMALLY FUSED (ASTM F668 CLASS 2B, AASHTO M181 TYPE IV CLASS B) TREATMENT IN ACCORDANCE WITH THE SPECIFICATIONS:

1. THE PEDESTRIAN / BICYCLE PICKET RAILING.
2. COMPONENTS OF THE PEDESTRIAN ENCLOSURE FENCE INCLUDING, BUT NOT LIMITED TO: POSTS, HORIZONTAL RAILS AND INTERNAL SLEEVES, EXPANSION RAILS, TIE VARIES, HOG GIGS, BRACE BANDS, TENSION BARS, TENSION BANDS, HORIZONTAL RAIL ENDS, COMBINATION RAIL ENDS, BOULEVARD CLAMPS AND ALL OTHER MISCELLANEOUS FITTINGS AND HARDWARE, BOLTS, NUTS, WASHERS, PIPE CLAMPS, BASE CLAMPS, BASE PLATES, SHIM PLATES, SPACERS, PIPE CLAMP CONNECTION PARTS AND BASE PLATE CONNECTION PARTS. SEE DETAILS ON THIS SHEET.
3. POSTS AND ATTACHMENT HARDWARE OF R5-3 AND W7-5 SIGNS.

**PEDESTRIAN FENCING COMPONENTS**

CHAIN LINK FABRIC SHALL BE 2" x 2" MESH WITH TWISTED AND BARBED SELVAGE TOP AND BOTTOM, AASHTO M181 TYPE IV - POLYVINYL CHLORIDE (PVC) COATED (BLACK) STEEL CLASS B, NO. 9 GAGE CORE WITH 6 GAGE FINISHED COATED WIRE DIAMETER, CORE WIRE ZINC-COATED STEEL. GALVANIZED AT A RATE OF 0.30 OZ/SF.

POSTS AND RAILS SHALL BE STEEL PIPE, SCHEDULE 40, AASHTO M181-93.

TENSION AND TIE WIRE SHALL BE STEEL WIRE, NUMBER 9 GAGE, ZINC GALVANIZED AT THE RATE OF 1.8 OZ/SF.

**SAMPLES**

SUBMIT THREE COMPLETE SETS OF SAMPLES FOR ALL CONCRETE SURFACES TO INCLUDE TEXTURES, MATERIALS, COLOR AND QUALITY. EACH SAMPLE SHALL BE A MINIMUM 12" x 12" AND OF APPROPRIATE DEPTH TO ILLUSTRATE FINISH, COLOR AND TEXTURE FOR APPROVAL. SAMPLES TO BE PROVIDED FOR MSE PANELS, PRECAST ARCHITECTURAL CONCRETE, AND OTHER APPLICABLE CONCRETE COMPONENTS.

SAMPLES SHALL ALSO BE PROVIDED FOR REVIEW AND APPROVAL FOR THE FOLLOWING:  
- VINYL COAT FENCE FABRIC  
- BLACK POWDER COAT RAILING AND FENCE HARDWARE

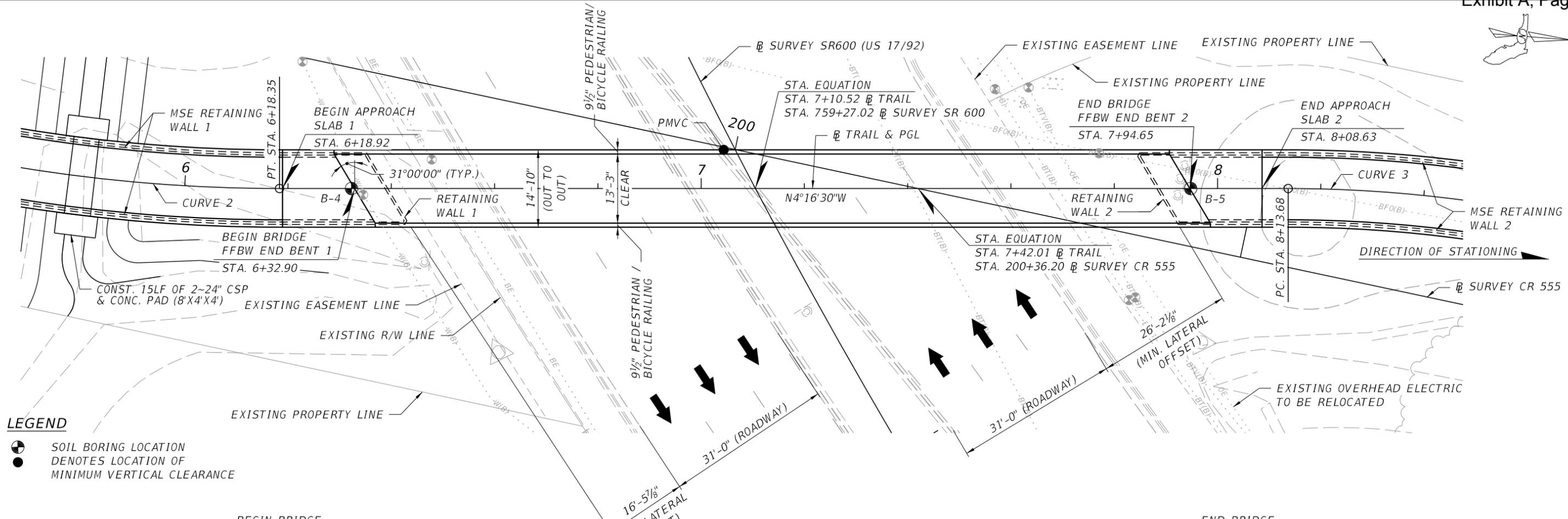
FOR ALL CLASS V CONCRETE COATINGS, SUBMIT MANUFACTURER'S SAMPLE PRODUCT DATA SHEETS OF EACH COLOR TO BE USED AS THE STANDARD FOR COMPARISON TESTING AND ALL LOTS OF COATINGS SHIPPED FOR THIS PROJECT. NO COATING WILL BE ACCEPTED WHICH HAS SETTLED, GELLED OR CURED IN THE CONTAINER AS DETERMINED BY THE ENGINEER. ANY SEDIMENT THAT HAS OCCURRED IN THE CONTAINER DURING SHIPMENT SHALL BE DISPERSED WITH PADDLE MIXING. CONTAINERS THAT ARE NOT FACTORY SEALED AND IN GOOD CONDITION TO PREVENT MOISTURE CONTAMINATION OF THIS PRODUCT SHALL BE REJECTED.

NOT FOR CONSTRUCTION

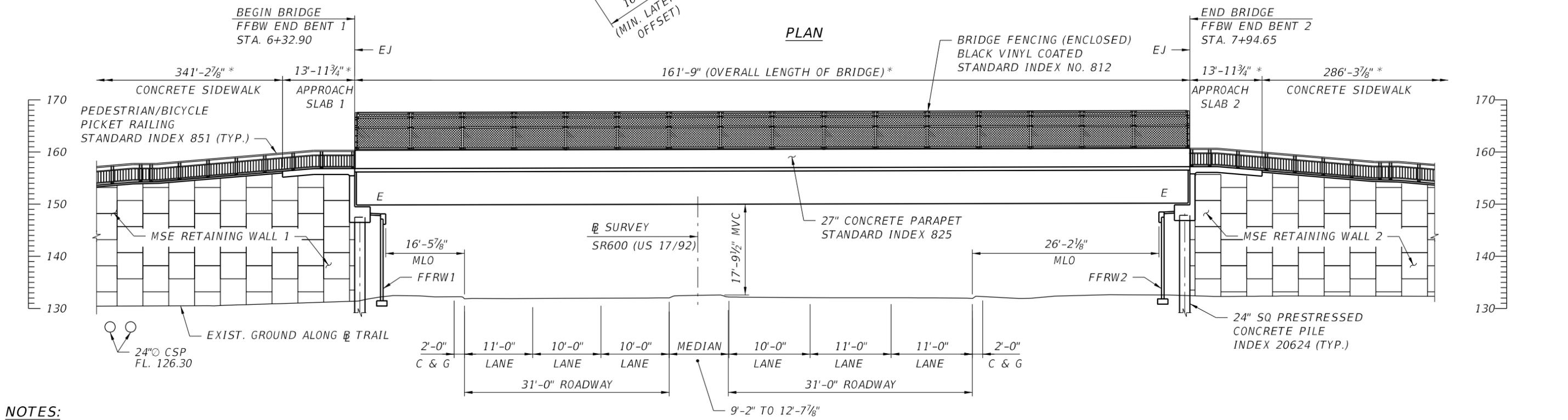
PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  SURFACE FINISH DETAILS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1-2	

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**LEGEND**  
 ● SOIL BORING LOCATION  
 ● DENOTES LOCATION OF MINIMUM VERTICAL CLEARANCE



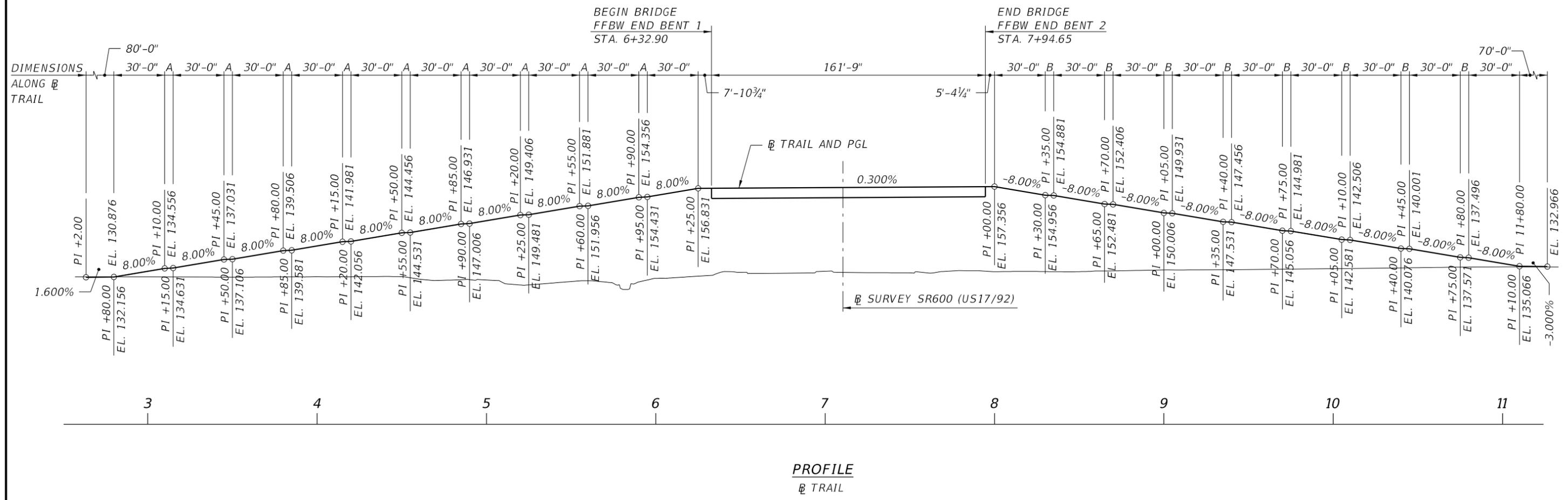
**NOTES:**  
 1. FOR HORIZONTAL CURVE AND VERTICAL PROFILE DATA SEE VERTICAL PROFILE AND HORIZONTAL CURVE DATA SHEET.  
 2. EXISTING OVERHEAD ELECTRICAL WILL BE RELOCATED.  
 3. FOR RETAINING WALL LAYOUT SEE SHEETS B1-18 THRU B1-22.

**ELEVATION**  
 \* (DIMENSIONS ARE GIVEN ALONG  $\mathcal{B}$  TRAIL)

**NOT FOR CONSTRUCTION**  
**PHASE IV SUBMITTAL**  
 BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  PLAN AND ELEVATION	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1-3	

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**SLOPES AND DIMENSIONS**

A = 5'-0" @ 1.500%  
 B = 5'-0" @ -1.500%

**CURVE 1 DATA**

PI STA. 3+66.00  
 Δ = 10°35'00" (Rt.)  
 D = 18°07'54"  
 T = 29.27'  
 L = 58.37'  
 R = 316.00'  
 PC STA. 3+36.73  
 PT STA. 3+95+10

**CURVE 2 DATA**

PI STA. 5+56.83  
 Δ = 22°36'17" (Lt.)  
 D = 18°07'54"  
 T = 63.16'  
 L = 124.67'  
 R = 316.00'  
 PC STA. 4+93.68  
 PT STA. 6+18+35

**CURVE 3 DATA**

PI STA. 8+44.79  
 Δ = 13°35'49" (Rt.)  
 D = 21°57'09"  
 T = 31.12'  
 L = 61.94'  
 R = 261.00'  
 PC STA. 8+13.68  
 PT STA. 8+75+61

**HORIZONTAL CURVE DATA**

**NOTES:**

1. WORK THIS SHEET WITH THE PLAN AND ELEVATION SHEET, THE RETAINING WALL 1 PLAN SHEET AND THE RETAINING WALL 2 PLAN SHEET.

NOT FOR CONSTRUCTION

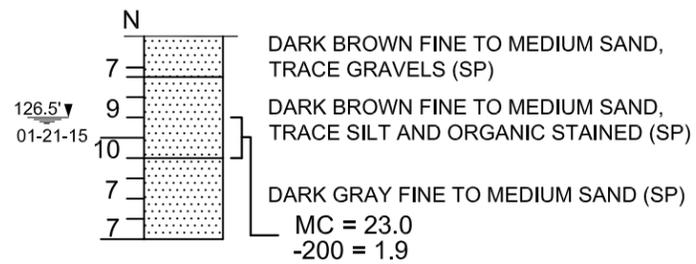
PHASE IV SUBMITTAL  
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		

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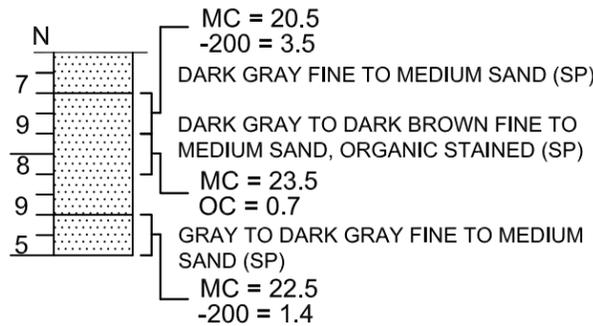
**BORING NO.**  
**ELEVATION (NAVD 88):**  
**NORTHING:**  
**EASTING:**

**B-1**  
**130.5'**  
**1360151.5**  
**742732.6**



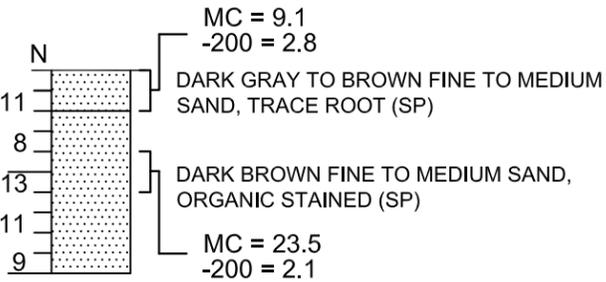
**B.T. @ 10.0'**

**B-2**  
**130.8'**  
**1360240.7**  
**742746.3**



**B.T. @ 10.0'**

**B-3**  
**130.4'**  
**1360364.9**  
**742760.9**

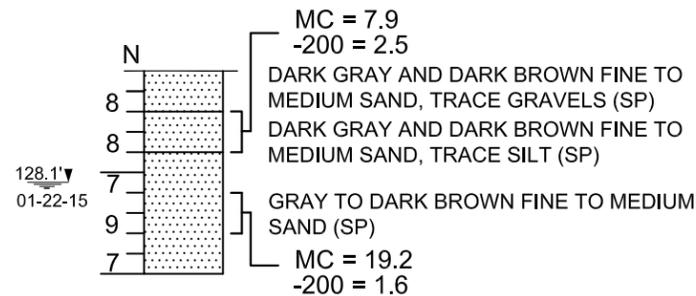
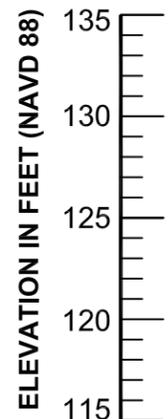


**B.T. @ 10.0'**



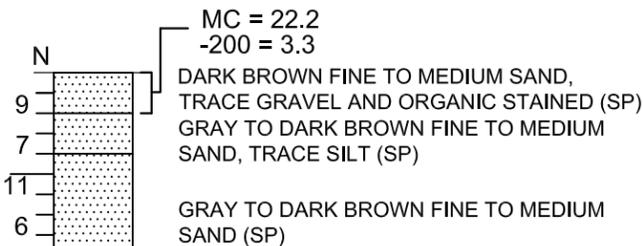
**BORING NO.**  
**ELEVATION (NAVD 88):**  
**NORTHING:**  
**EASTING:**

**B-6**  
**133.5'**  
**1360794.5**  
**742778.2**



**B.T. @ 10.0'**

**B-7**  
**133.4'**  
**1360928.4**  
**742800.5**



**B.T. @ 10.0'**



**NOTES**

- BORINGS WERE DRILLED ON JANUARY 21 & 22 2015, USING A CENTRAL MINING EQUIPMENT (CME-75) AUTOMATIC HAMMER DRILL RIG.
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. SOIL TRANSITIONS MAY BE MORE GRADUAL THAN IMPLIED.
- GROUNDWATER LEVELS SHOWN ON THE SUBSURFACE PROFILES REPRESENT GROUNDWATER SURFACES ON THE DATES SHOWN. GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.
- BORING NORTHING, EASTING AND ELEVATION INFORMATION WAS PROVIDED BY ELEMENT ENGINEERING GROUP.
- AFTER COMPLETION OF DRILLING BOREHOLES WERE BACK FILLED WITH GROUT.

**STANDARD PENETRATION TEST DATA**

SPOON INSIDE DIA.	1.375 INCH
SPOON OUTSIDE DIA.	2.0 INCHES
AVG. HAMMER DROP	30 INCHES
HAMMER WEIGHT	140 POUNDS

**GRANULAR MATERIALS**

RELATIVE DENSITY	AUTOMATIC HAMMER SPT N-VALUE
VERY LOOSE	LESS THAN 3
LOOSE	3 - 8
MEDIUM	8 - 24
DENSE	24 - 40
VERY DENSE	GREATER THAN 40

**SILTS AND CLAYS**

CONSISTENCY	AUTOMATIC HAMMER SPT N-VALUE
VERY SOFT	LESS THAN 1
SOFT	1 - 3
FIRM	3 - 6
STIFF	6 - 12
VERY STIFF	12 - 24
HARD	GREATER THAN 24

**LEGEND**

- SAND
- SILTY SAND
- CLAYEY SAND
- 126.5' GROUNDWATER ELEVATION IN FEET NAVD 88 AND DRILLING DATE

- N STANDARD PENETRATION RESISTANCE- BLOWS PER FOOT USING AUTOMATIC HAMMER
- SP UNIFIED SOIL CLASSIFICATION SYSTEM GROUP SYMBOL (ASTM D 2488)
- B-1 STANDARD PENETRATION TEST (SPT) BORING AND NUMBER
- MC MOISTURE CONTENT (%)
- OC ORGANIC CONTENT (%)
- LL LIQUID LIMIT (%)
- PL PLASTICITY INDEX (%)
- 200 AMOUNT PASSING US STANDARD NO. 200 SIEVE
- N.P. NON-PLASTIC
- N.A. NOT AVAILABLE
- B.T. @ 10' BORING TERMINATED AT DEPTH OF 10' BELOW THE EXISTING GROUND ELEVATION

**REVISIONS**

Date	By	Description	Date	By	Description

**ENGINEER OF RECORD**  
**RADISE International**  
 4152 West Blue Heron Boulevard, Suite 228  
 Riviera Beach, Florida, 33404  
 TEL 561-841-0103 FAX 561-841-0104  
 URL : [http:// www.radise.net](http://www.radise.net)  
 LICENSE NO. - 8901  
 AKASH BISSOON (P.E.No. - 74582)

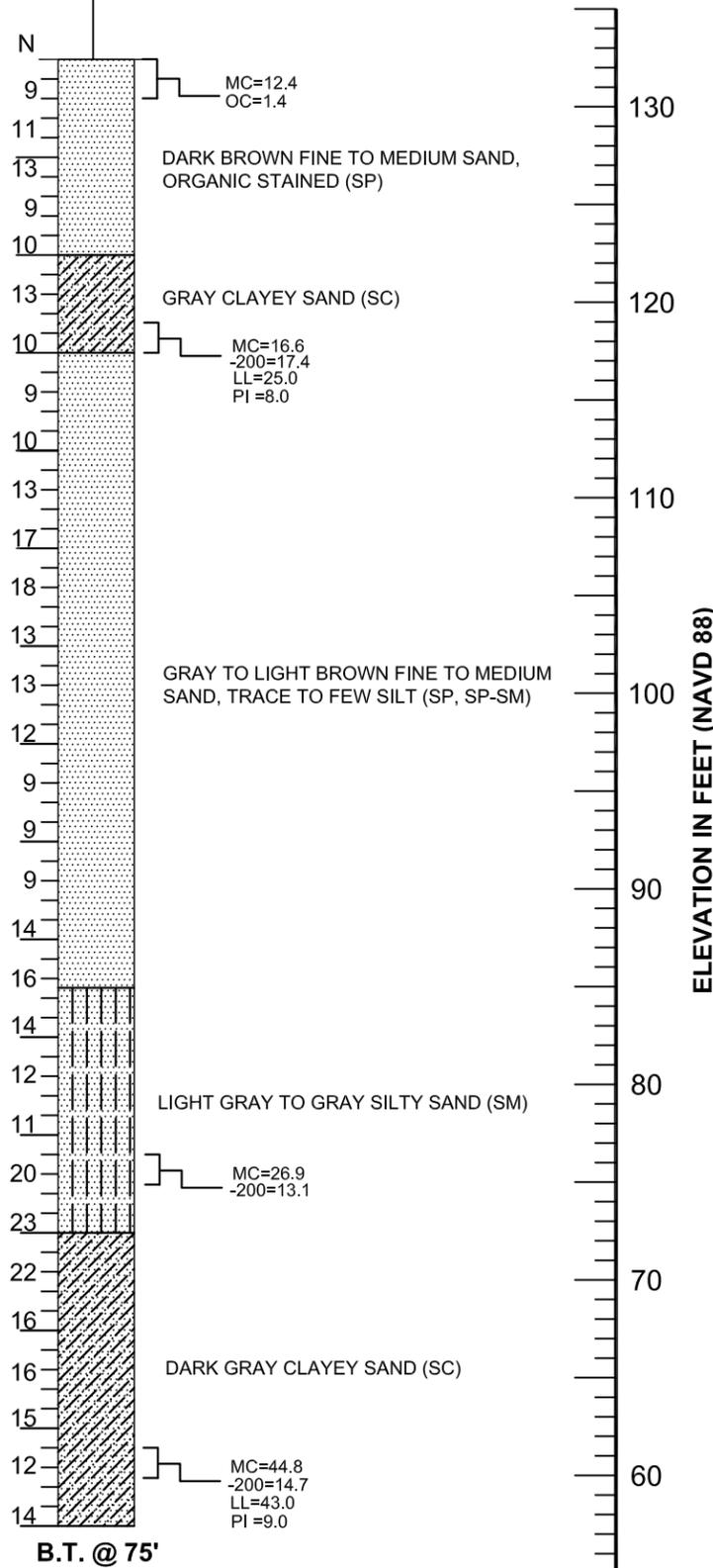
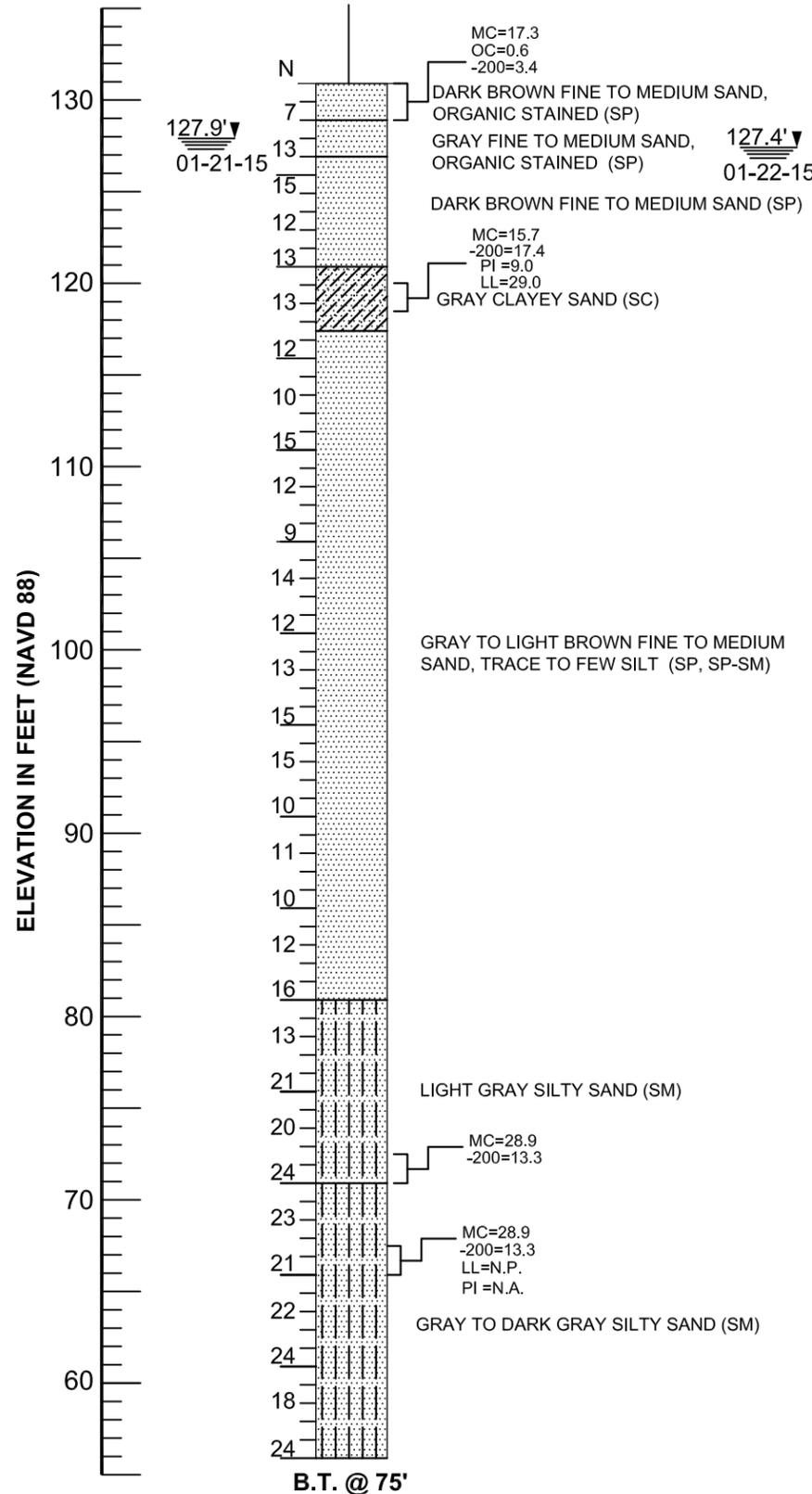
Drawn By:	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
Checked by:	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Designed by:		POLK	429883-1-52-01
Checked by:			

SHEET TITLE:	<b>SUBSURFACE PROFILES</b>		REF. DWG. NO.
PROJECT NAME:	<b>LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17/92</b>		SHEET NO.
			<b>B1-5</b>

**BORING NO.**  
**ELEVATION (NAVD 88):**  
**NORTHING:**  
**EASTING:**

**B-4**  
**130.9'**  
**1360476.1**  
**742786.3**

**B-5**  
**132.4'**  
**1360646.7**  
**742797.9**



**NOTES**

- BORINGS WERE DRILLED ON JANUARY 21 AND 22, 2015 USING A CENTRAL MINING EQUIPMENT MODEL 75 (CME 75) AUTOMATIC HAMMER DRILL RIG.
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. SOIL TRANSITIONS BE MORE GRADUAL THAN IMPLIED.
- GROUNDWATER LEVELS SHOWN ON THE SUBSURFACE PROFILES REPRESENT GROUNDWATER SURFACES ON THE DATES SHOWN. GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.
- BORING NORTHING, EASTING AND ELEVATION INFORMATION WAS PROVIDED BY ELEMENT ENGINEERING GROUP.
- AFTER COMPLETION OF DRILLING BOREHOLES WERE BACK FILLED WITH GROUT.

**STANDARD PENETRATION TEST DATA**

SPOON INSIDE DIA.	1.375 INCH
SPOON OUTSIDE DIA.	2.0 INCHES
AVG. HAMMER DROP	30 INCHES
HAMMER WEIGHT	140 POUNDS

**GRANULAR MATERIALS**

RELATIVE DENSITY	AUTOMATIC HAMMER SPT N-VALUE
VERY LOOSE	LESS THAN 3
LOOSE	3 - 8
MEDIUM DENSE	8 - 24
DENSE	24 - 40
VERY DENSE	GREATER THAN 40

**SILTS AND CLAYS**

CONSISTENCY	AUTOMATIC HAMMER SPT N-VALUE
VERY SOFT	LESS THAN 1
SOFT	1 - 3
FIRM	3 - 6
STIFF	6 - 12
VERY STIFF	12 - 24
HARD	GREATER THAN 24

**LEGEND**

- SAND
- SILTY SAND
- CLAYEY SAND

- 126.5'▼ 01-21-15 GROUNDWATER ELEVATION IN FEET NAVD 88 AND DRILLING DATE
- N STANDARD PENETRATION RESISTANCE-BLOWS PER FOOT USING AUTOMATIC HAMMER
- SP UNIFIED SOIL CLASSIFICATION SYSTEM GROUP SYMBOL (ASTM D 2488)
- B-1 STANDARD PENETRATION TEST (SPT) BORING AND NUMBER
- MC MOISTURE CONTENT (%)
- OC ORGANIC CONTENT (%)
- LL LIQUID LIMIT (%)
- PL PLASTICITY INDEX (%)
- 200 AMOUNT PASSING US STANDARD NO. 200 SIEVE
- N.P. NON-PLASTIC
- N.A. NOT AVAILABLE
- B.T. @ 75' BORING TERMINATED AT DEPTH OF 75' BELOW EXISTING GROUND ELEVATION

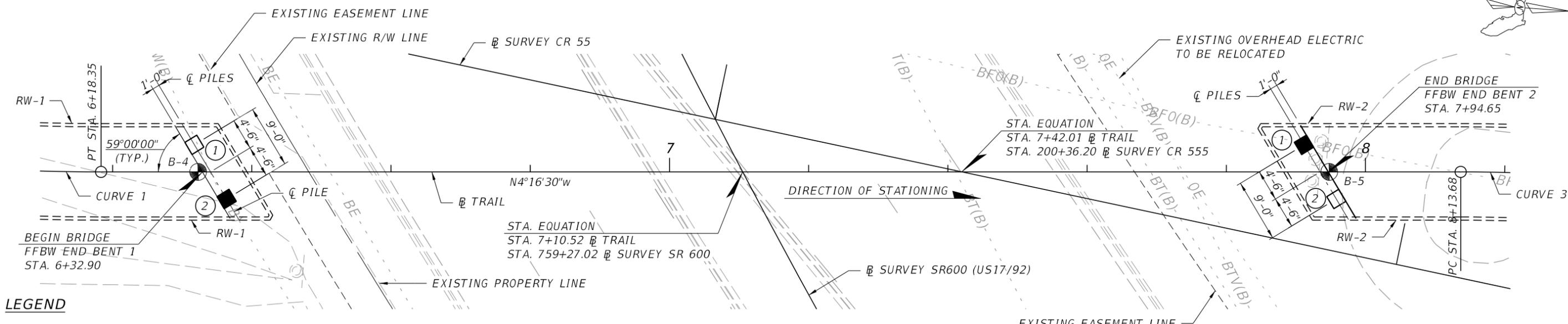
REVISIONS					
Date	By	Description	Date	By	Description

**ENGINEER OF RECORD**  
**RADISE International**  
 4152 West Blue Heron Boulevard, Suite 228  
 Riviera Beach, Florida, 33404  
 TEL 561-841-0103 FAX 561-841-0104  
 URL : http:// www.radise.net  
 LICENSE NO. - 8901  
 AKASH BISSOON (P.E.No. - 74582)

Drawn By:	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
Checked by:	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
Designed by:		POLK	429883-1-52-01
Checked by:			

SHEET TITLE:	<b>SUBSURFACE PROFILES</b>		REF. DWG. NO.
PROJECT NAME:	<b>LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17/92</b>		SHEET NO.
			<b>B1-6</b>

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15 - 23.004, F.A.C.



**LEGEND**

- 24" SQ PRESTRESSED CONCRETE PLUMB PILE (INDEX 20624)
- 24" SQ PRESTRESSED CONCRETE INDICATOR/TEST PILE
- ⊙ SOIL BORING LOCATION
- # PILE NUMBER

**PLAN**

**PILE DATA TABLE**

Table Date 02/10/15

INSTALLATION CRITERIA								DESIGN CRITERIA								PILE CUT-OFF ELEVATIONS							
PIER or BENT NUMBER	PILE SIZE (in.)	NOMINAL BEARING RESISTANCE (tons)	NOMINAL UPLIFT RESISTANCE (tons)	MINIMUM TIP ELEVATION (ft.)	TEST PILE LENGTH (ft.)	REQUIRED JET ELEVATION (ft.)	REQUIRED PREFORM ELEVATION (ft.)	FACTORED DESIGN LOAD (tons)	FACTORED DESIGN UPLIFT LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft.)	LONG TERM SCOUR ELEVATION (ft.)	Ø COMPRESSION	Ø UPLIFT	PILE 1	PILE 2	PILE 3	PILE 4	PILE 5	PILE 6	PILE 7
END BENT 1	24	243	N/A	110	75	N/A	N/A	182	N/A	N/A	N/A	N/A	N/A	N/A	0.75	N/A	147.4	147.4	-	-	-	-	-
END BENT 2	24	243	N/A	110	77	N/A	N/A	182	N/A	N/A	N/A	N/A	N/A	N/A	0.75	N/A	147.9	147.9	-	-	-	-	-

$$\frac{\text{Factored Design Load} + \text{Net Scour Resistance} + \text{Down Drag}}{\phi} \leq \text{Nominal Bearing Resistance}$$

**PILE INSTALLATION NOTES:**

- MINIMUM TIP SHOWN IS PER THE GEOTECHNICAL ENGINEER TO ENSURE THAT PILES ARE TIPPED INTO STRATUM 3 OF THE SOIL PROFILE.
- WHEN A REQUIRED JETTING ELEVATION IS SHOWN, THE JET SHALL BE LOWERED TO THE ELEVATION AND CONTINUE TO OPERATE AT THIS ELEVATION UNTIL THE PILE DRIVING IS COMPLETED. IF JETTING OR PREFORMING ELEVATIONS DIFFER FROM THOSE SHOWN ON THE TABLE, THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINATION OF THE REQUIRED DRIVING RESISTANCE.
- NO JETTING WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHOULD NOT ANTICIPATE BEING ALLOWED TO JET PILES BELOW THE 100-YEAR SCOUR ELEVATION OR REQUIRED JET ELEVATION, WHICHEVER IS DEEPER.

- THE PORTION OF END BENT PILES WITHIN MSE REINFORCED SOIL MASS SHALL BE WRAPPED WITH POLYETHYLENE SHEETING IN ACCORDANCE WITH SPECIFICATIONS 459.
- ALL PILES SHALL BE DYNAMICALLY TESTED PER DEVELOPMENTAL SPECIFICATIONS DEV455-100PCT-DT.

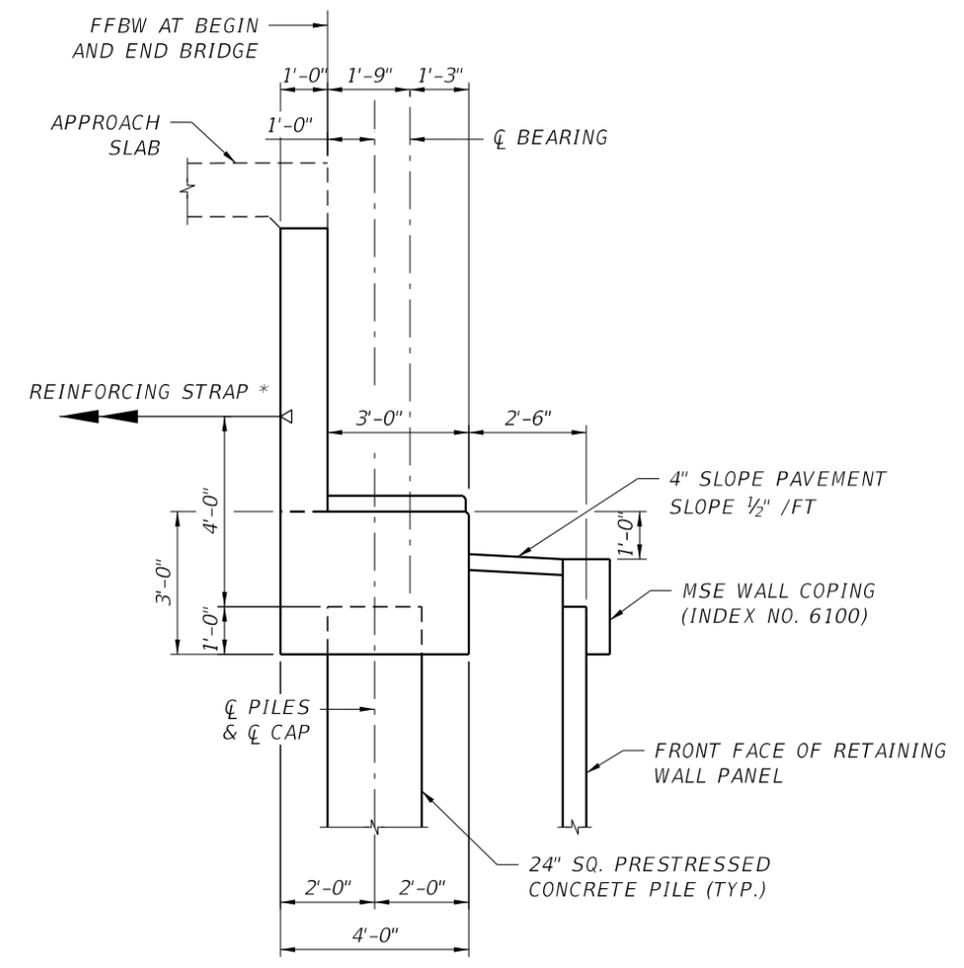
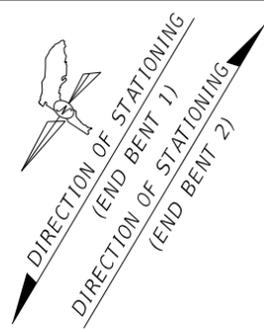
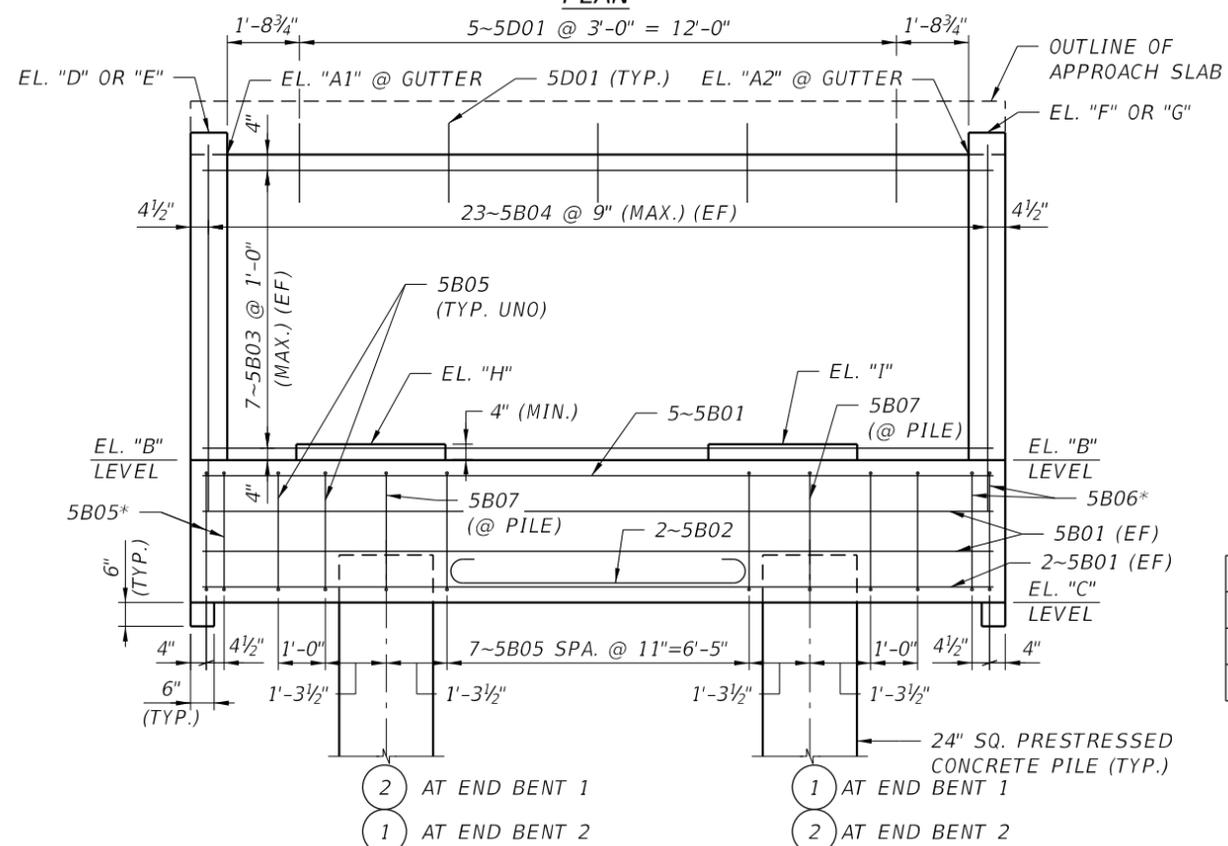
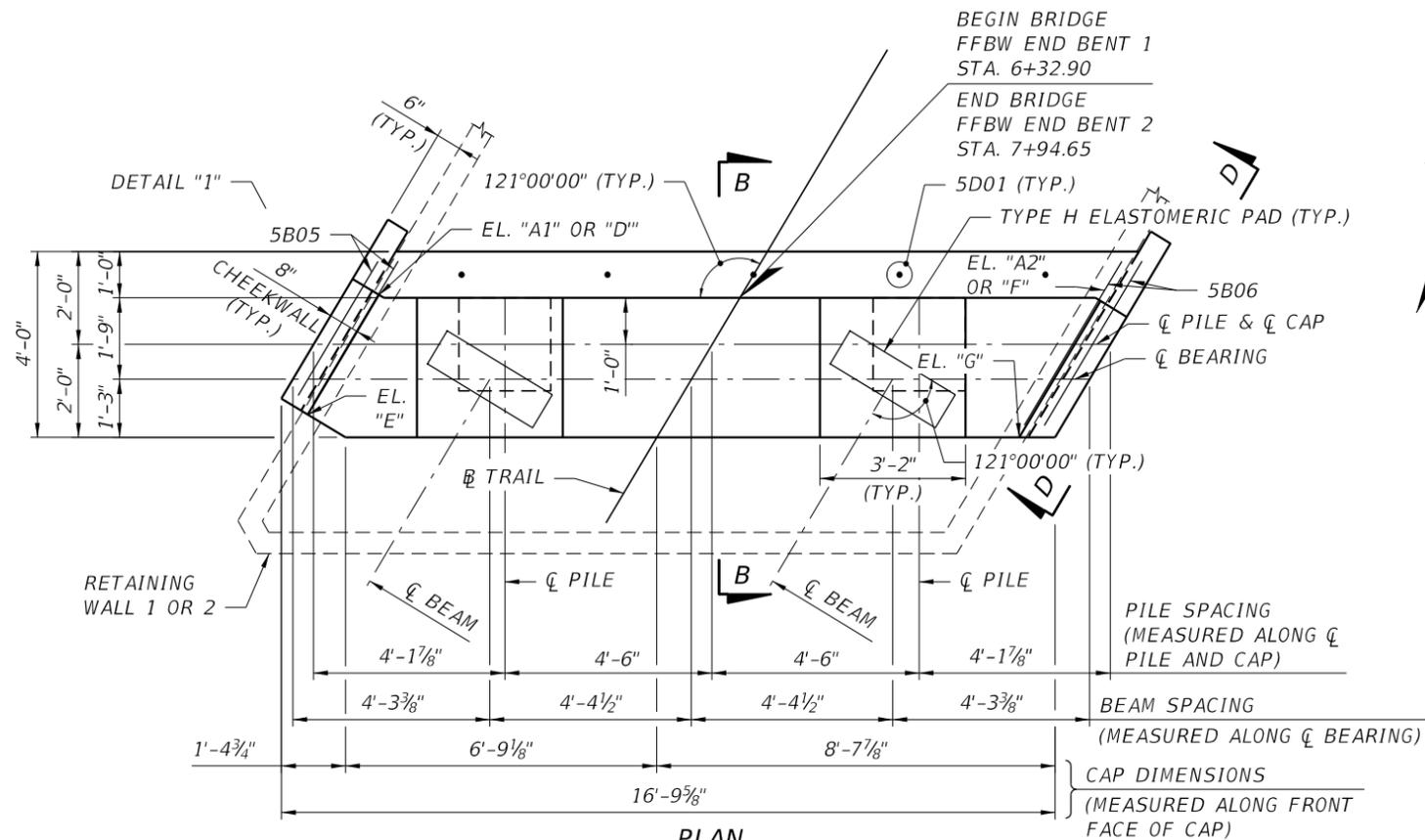
TENSION RESISTANCE - THE ULTIMATE SIDE FRICTION CAPACITY THAT MUST BE OBTAINED BELOW THE 100 YEAR SCOUR ELEVATION TO RESIST PULLOUT OF THE PILE (SPECIFY ONLY WHEN DESIGN REQUIRES TENSION CAPACITY).  
 TOTAL SCOUR RESISTANCE - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SCOURABLE SOIL.  
 NET SCOUR RESISTANCE - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SOIL FROM THE REQUIRED PREFORMED OR JETTING ELEVATION TO THE SCOUR ELEVATION.  
 100-YEAR SCOUR ELEVATION - ESTIMATED ELEVATION OF SCOUR DUE TO THE 100 YEAR STORM EVENT.  
 LONG TERM SCOUR ELEVATION - ESTIMATED ELEVATION OF SCOUR USED IN DESIGN FOR EXTREME EVENT LOADING.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: FOUNDATION LAYOUT	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
									POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1-7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**NOTES:**

1. FOR SECTION B-B, DETAIL "1" AND VIEW D-D, SEE END BENT DETAILS SHEET.

**TABLE OF ELEVATIONS**

	"A1"	"A2"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"
END BENT 1	155.721	155.697	149.422	146.422	156.033	156.042	156.009	156.020	149.769	149.756
END BENT 2	156.182	156.206	149.908	146.908	156.495	156.486	156.518	156.508	150.228	150.242

**LEGEND**

# PILE NUMBER

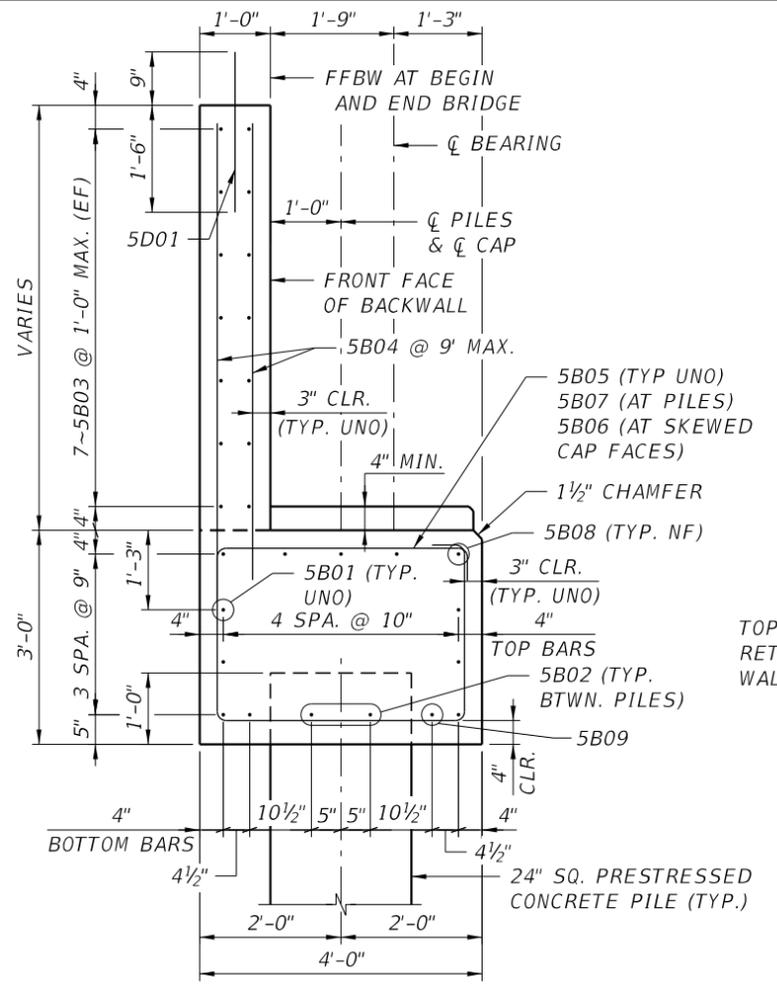
**NOT FOR CONSTRUCTION**

**PHASE IV SUBMITTAL**

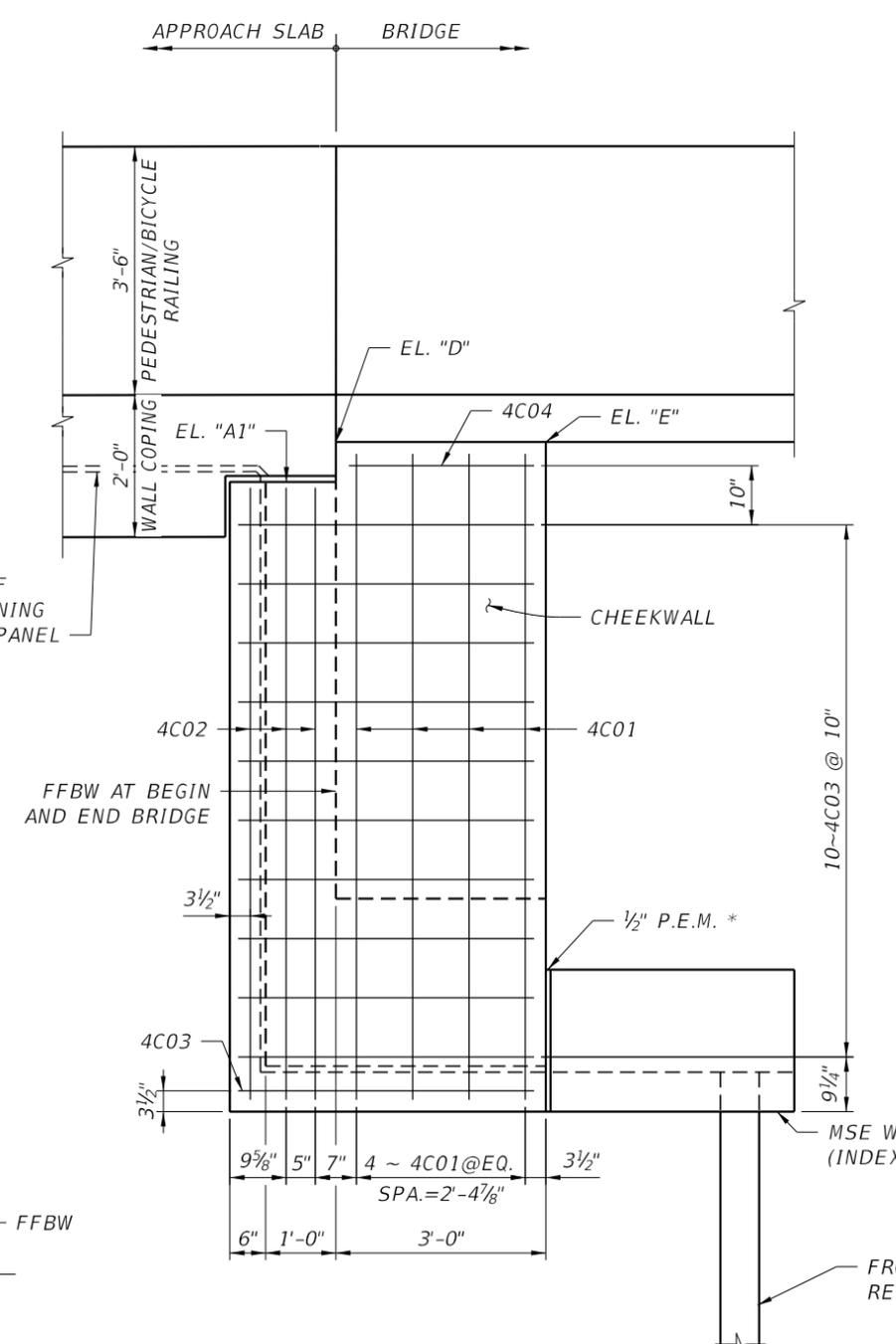
**BRIDGE NO. 169004**

REVISIONS				SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			END BENTS 1 AND 2		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
							POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		B1-8

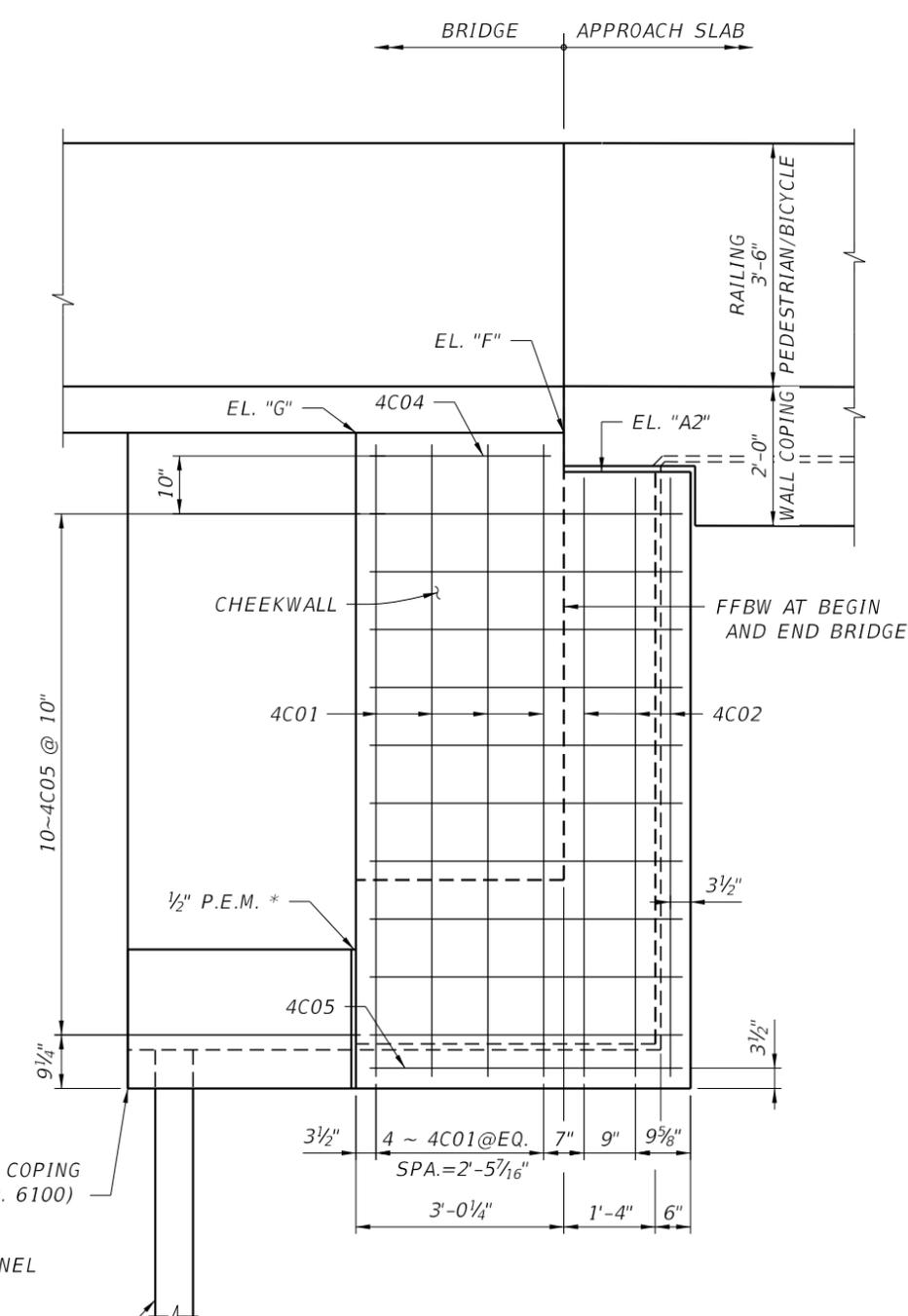
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SECTION B-B



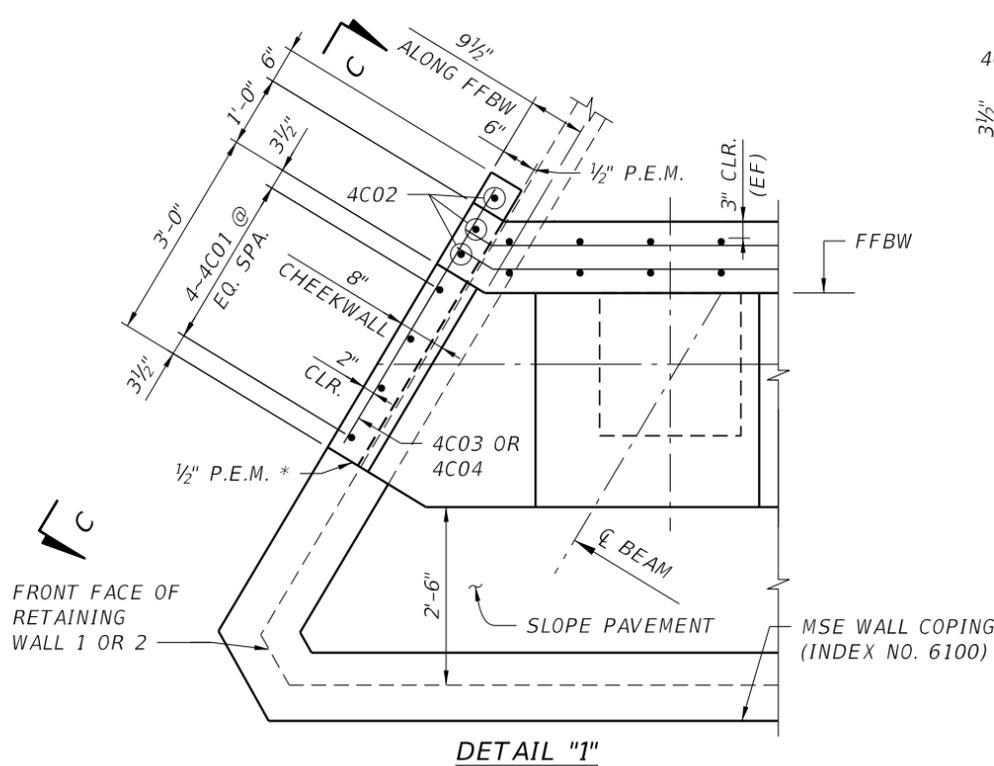
VIEW C-C



VIEW D-D

\* PREMOULDED EXPANSION MATERIAL APPLIES TO ALL CONTACTING SURFACES OF SLOPE PAVEMENT AT END BENT 1 AND 2.

\* PREMOULDED EXPANSION MATERIAL APPLIES TO ALL CONTACTING SURFACES OF SLOPE PAVEMENT AT END BENT 1 AND 2.



DETAIL "1"

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SYBILLE BAYARD, P.E. NO. 56038  
INFRASTRUCTURE ENGINEERS, INC.  
2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103  
JACKSONVILLE, FLORIDA 32246  
PH.: 1-888-451-6822  
FAX: 904-645-3993  
CERTIFICATE OF AUTHORIZATION NO. 6876

DRAWN BY: DLJ 07/15  
CHECKED BY: SB 07/15  
DESIGNED BY: SB 07/15  
CHECKED BY: SB 07/15

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

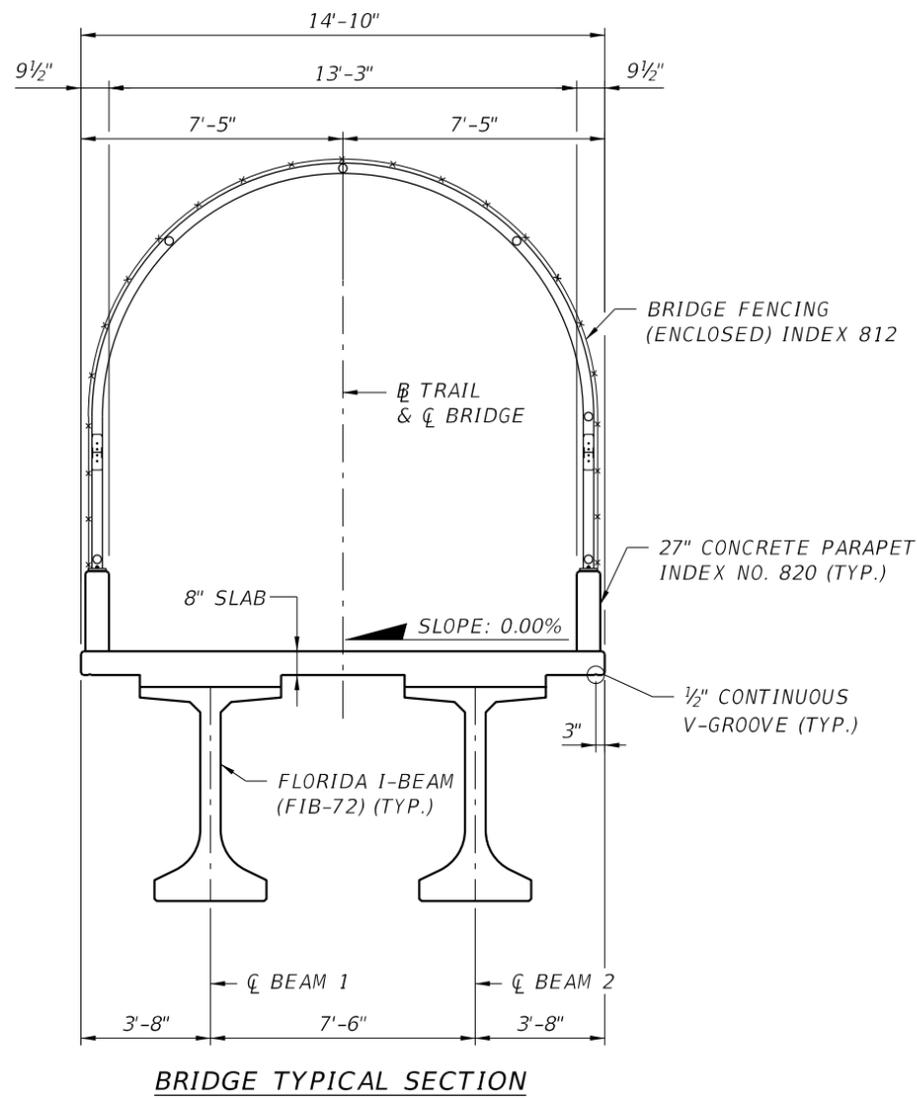
ROAD NO. COUNTY FINANCIAL PROJECT ID  
POLK 429883-1-52-01

SHEET TITLE: END BENT DETAILS

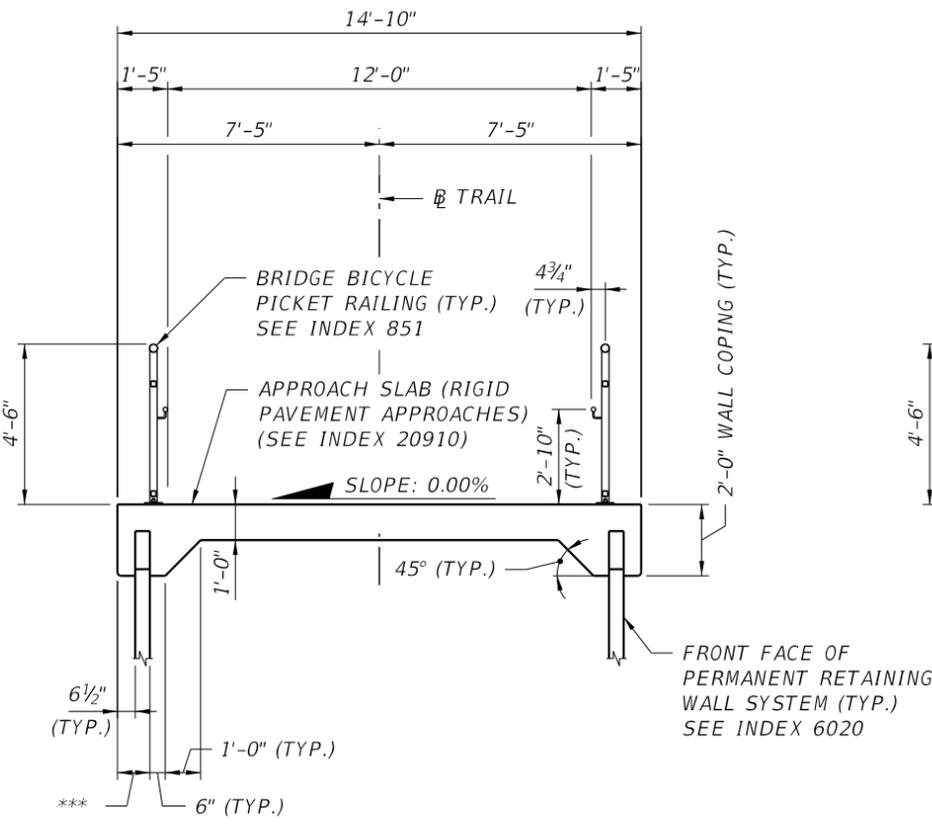
PROJECT NAME: LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92

REF. DWG. NO. SHEET NO. B1-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

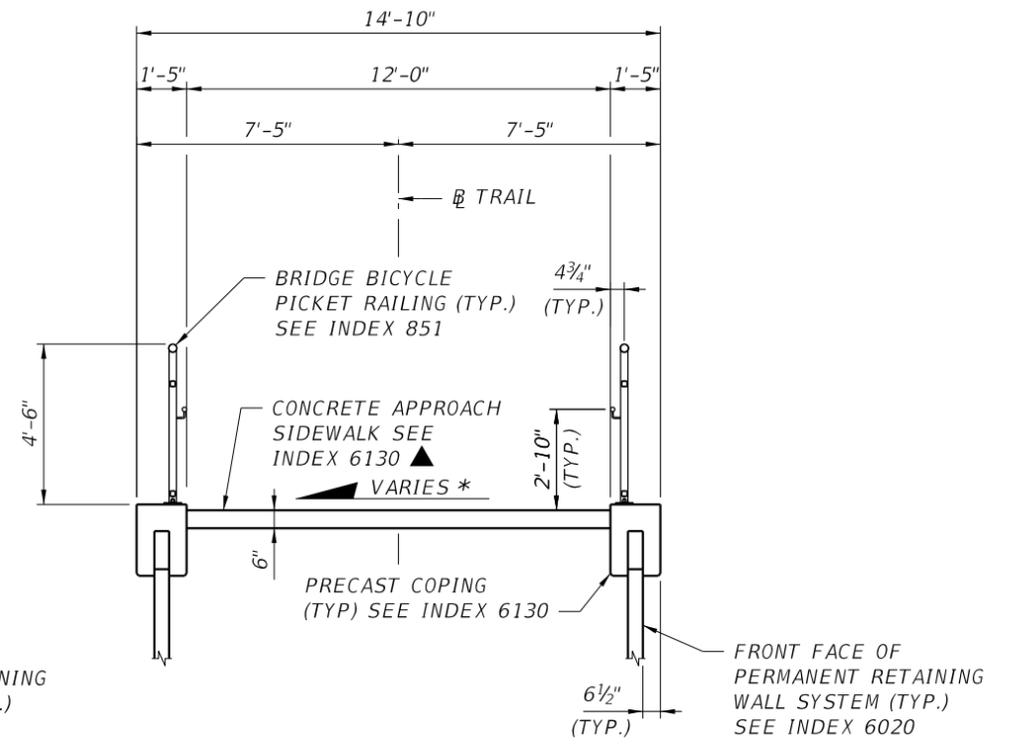


**BRIDGE TYPICAL SECTION**



**BRIDGE APPROACH SLAB TYPICAL SECTION**

\*\*\* ACTUAL LOCATION AND WIDTH VARY DEPENDING ON TYPE OF RETAINING WALL USED



**RAMP TYPICAL SECTION**

STA. 2+80 TO STA. 6+18.62  
STA. 8+08.63 TO STA. 10+92.64

- ▲ ADJUST REINFORCEMENT TO ACCOMODATE WALL COPING ON BOTH SIDES OF SIDEWALK. BARS 4P SHALL NOT BE PROVIDED.
- \* SEE ROADWAY PLANS

**NOTES:**

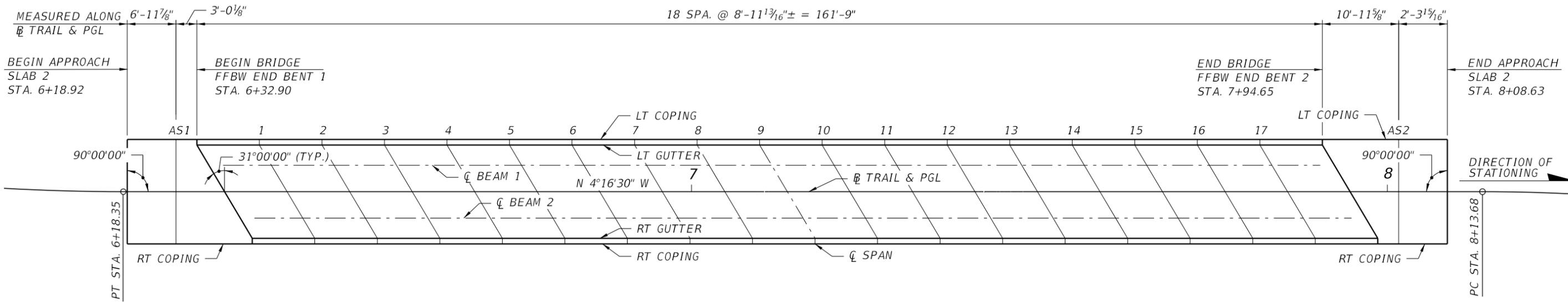
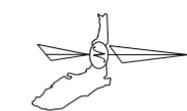
1. ANCHOR BOLTS, NUTS, AND WASHERS FOR PICKET RAILING AND BRIDGE FENCING SHALL BE STAINLESS STEEL, GRADE 304, IN ACCORDANCE WITH ASTM F593 AND F594.
2. BASE PLATE AND FENCE POST SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER ALL WELDING AND DRILLING OPERATIONS ARE COMPLETE.
3. ENSURE ALL JOINTS OF THE CAST-IN-PLACE SIDEWALK ALIGN WITH THE JOINTS OF THE THE PRECAST WALL COPING.
4. C OF BRIDGE BICYCLE PICKET RAILING SHALL LINE UP WITH C BRIDGE ENCLOSED FENCING. THIS SHALL BE ACCOMPLISHED BY ANGLING THE LAST TWO POSTS OF THE PICKET RAILING TO LINE UP WITH THE FENCE, IF NECESSARY.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  TYPICAL SECTION	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
										LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1 - 10	

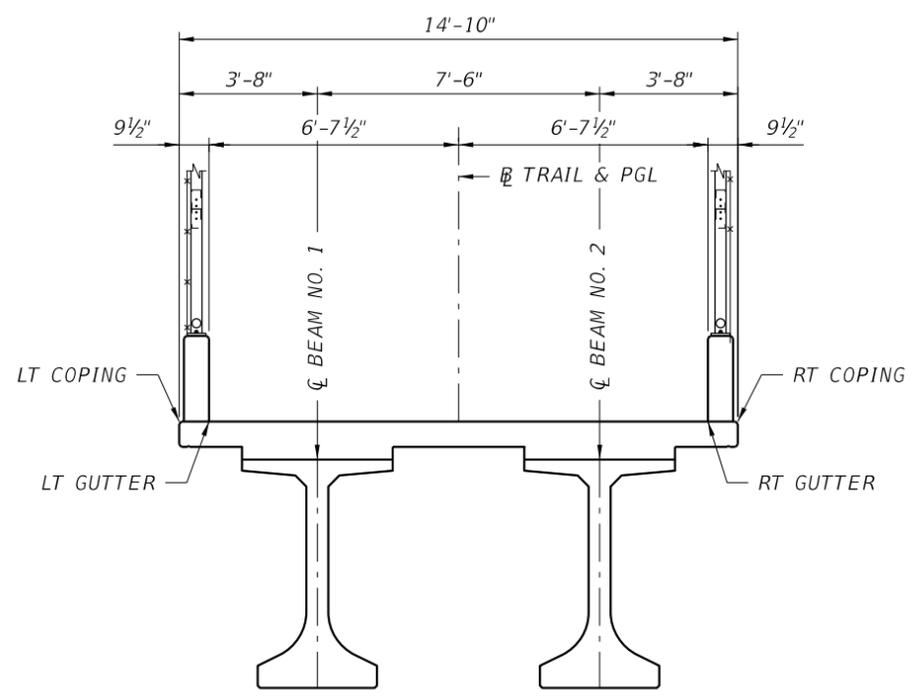
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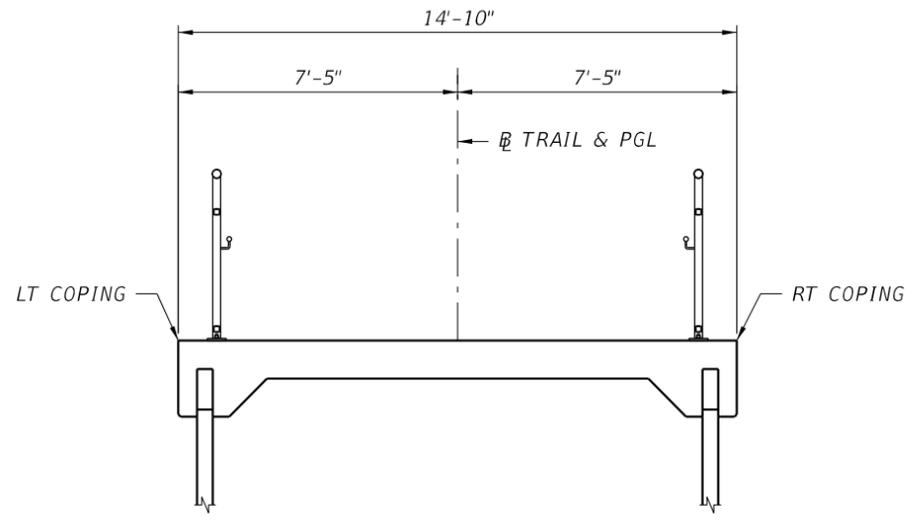
APPROACH SLAB NO. 1

SUPERSTRUCTURE PLAN SCHEMATIC

APPROACH SLAB NO. 2



TYPICAL SECTION THRU SUPERSTRUCTURE



TYPICAL SECTION THRU APPROACH SLAB

**NOTE:**  
1. WORK THIS SHEET WITH FINISH GRADE ELEVATIONS (2 OF 2) SHEET.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: DLJ 07/15 CHECKED BY: SB 07/15 DESIGNED BY: YRA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: FINISH GRADE ELEVATIONS (1 OF 2)	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1-11	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

T-LINES & BENTS LOCATION	SPAN 1																		
	BEGIN BRIDGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	END BRIDGE
LEFT COPING	156.843	156.870	156.897	156.924	156.951	156.978	157.005	157.031	157.058	157.085	157.112	157.139	157.166	157.193	157.220	157.247	157.274	157.301	157.328
LEFT GUTTER	156.843	156.870	156.897	156.924	156.951	156.978	157.005	157.031	157.058	157.085	157.112	157.139	157.166	157.193	157.220	157.247	157.274	157.301	157.328
CENTERLINE OF BEAM NO. 1	156.848	156.875	156.902	156.929	156.956	156.983	157.010	157.037	157.064	157.091	157.118	157.144	157.171	157.198	157.225	157.252	157.279	157.306	157.333
PGL	156.855	156.882	156.909	156.936	156.963	156.989	157.016	157.043	157.070	157.097	157.124	157.151	157.178	157.205	157.232	157.259	157.286	157.313	157.340
CENTERLINE OF BEAM NO. 2	156.861	156.888	156.915	156.942	156.969	156.996	157.023	157.050	157.077	157.104	157.131	157.158	157.185	157.212	157.239	157.266	157.293	157.320	157.347
RIGHT GUTTER	156.867	156.894	156.921	156.948	156.974	157.001	157.028	157.055	157.082	157.109	157.136	157.163	157.190	157.217	157.244	157.271	157.298	157.325	157.352
RIGHT COPING	156.867	156.894	156.921	156.948	156.974	157.001	157.028	157.055	157.082	157.109	157.136	157.163	157.190	157.217	157.244	157.271	157.298	157.325	157.352

T-LINES & BENTS LOCATION	APPROACH SLAB 1		
	BEGIN APPROACH SLAB 1	AS1	BEGIN BRIDGE
LEFT COPING	156.345	156.834	156.843
PGL	156.345	156.834	156.855
RIGHT COPING	156.345	156.834	156.867

T-LINES & BENTS LOCATION	APPROACH SLAB 2		
	END BRIDGE	AS2	END APPROACH SLAB 2
LEFT COPING	157.328	156.852	156.666
PGL	157.340	156.852	156.666
RIGHT COPING	157.352	156.852	156.666

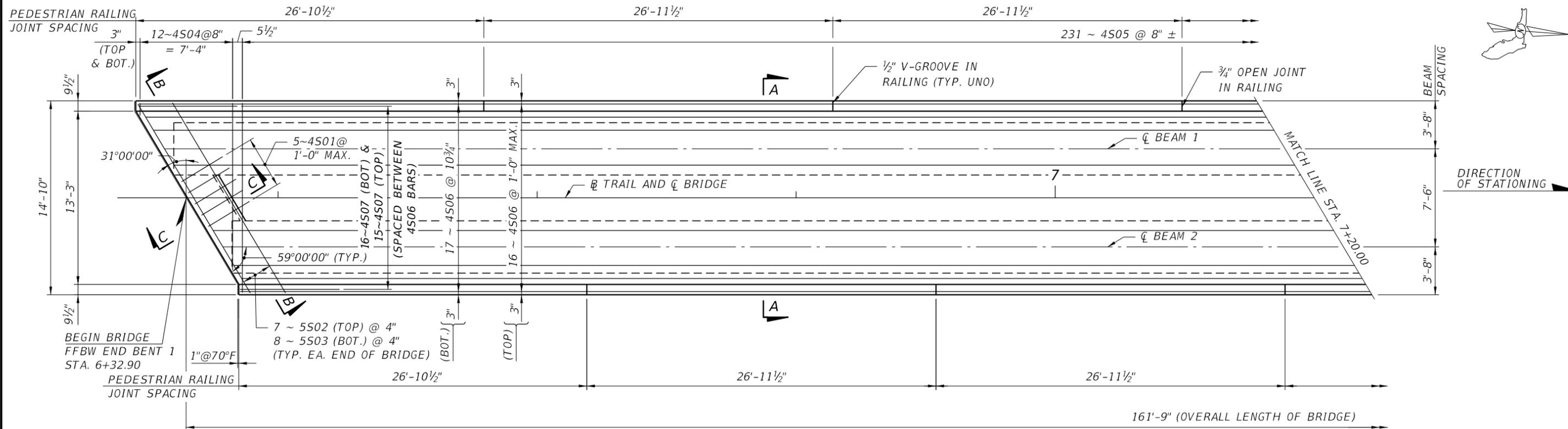
**NOTE:**  
1. WORK THIS SHEET WITH FINISH GRADE ELEVATIONS (1 OF 2) SHEET.

NOT FOR CONSTRUCTION

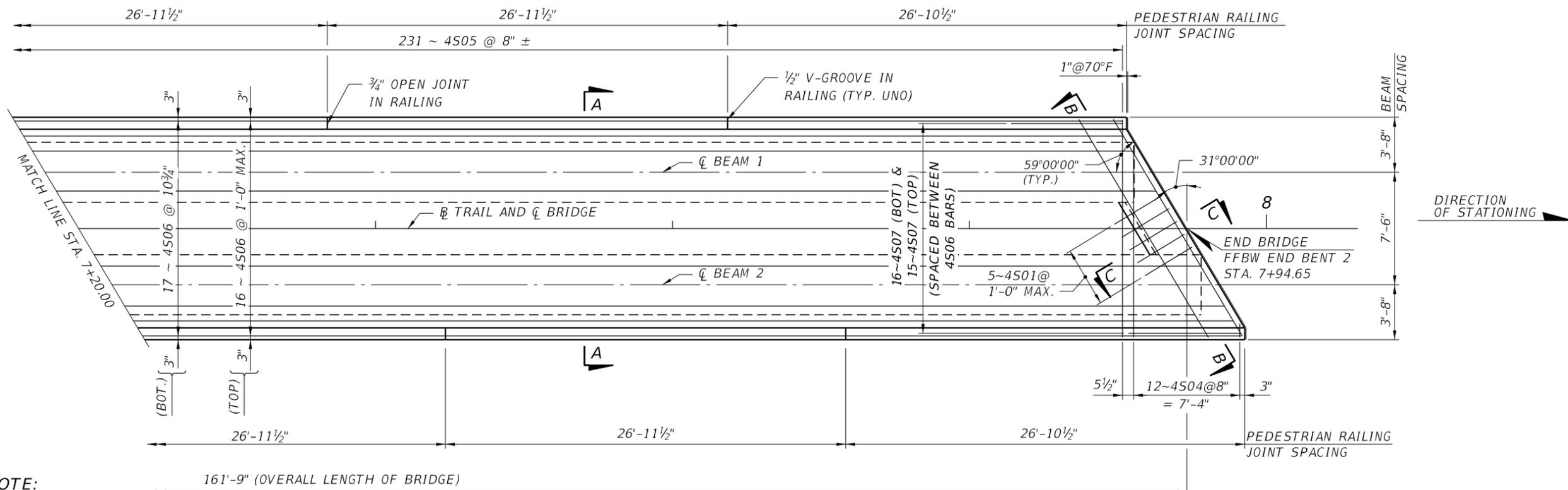
PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: DLJ 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SB 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	FINISH GRADE ELEVATIONS (2 OF 2)		
											LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		SHEET NO. B1 - 12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



PARTIAL PLAN



PARTIAL PLAN

- NOTE:**
1. FOR SECTIONS A-A AND B-B, SEE SUPERSTRUCTURE SHEET, SUPERSTRUCTURE DETAILS (1 OF 2).
  2. FOR SECTION C-C, SEE SUPERSTRUCTURE DETAILS SHEET (2 OF 2).
  3. LAP SPLICES NOT SHOWN FOR CLARITY.
  4. TEMPORARY BRACING LOCATIONS ARE NOT SHOWN. REFER TO "TABLE OF PRESTRESSED I-BEAM TEMPORARY BRACING MINIMUM REQUIREMENTS AND LOADS" ON SHEET B1-15 FOR BRACING REQUIREMENTS DURING CONSTRUCTION.

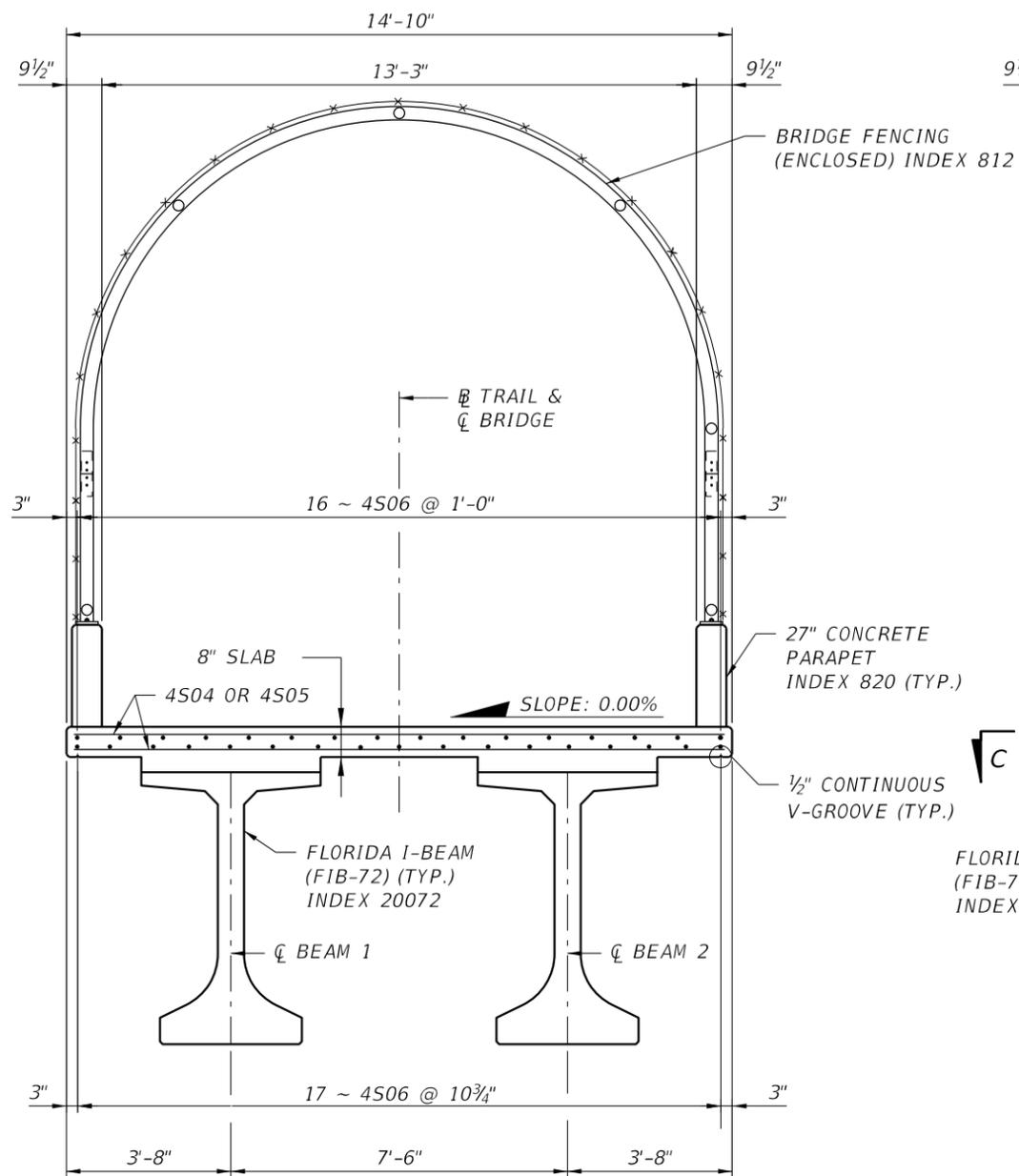
NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL

BRIDGE NO. 169004

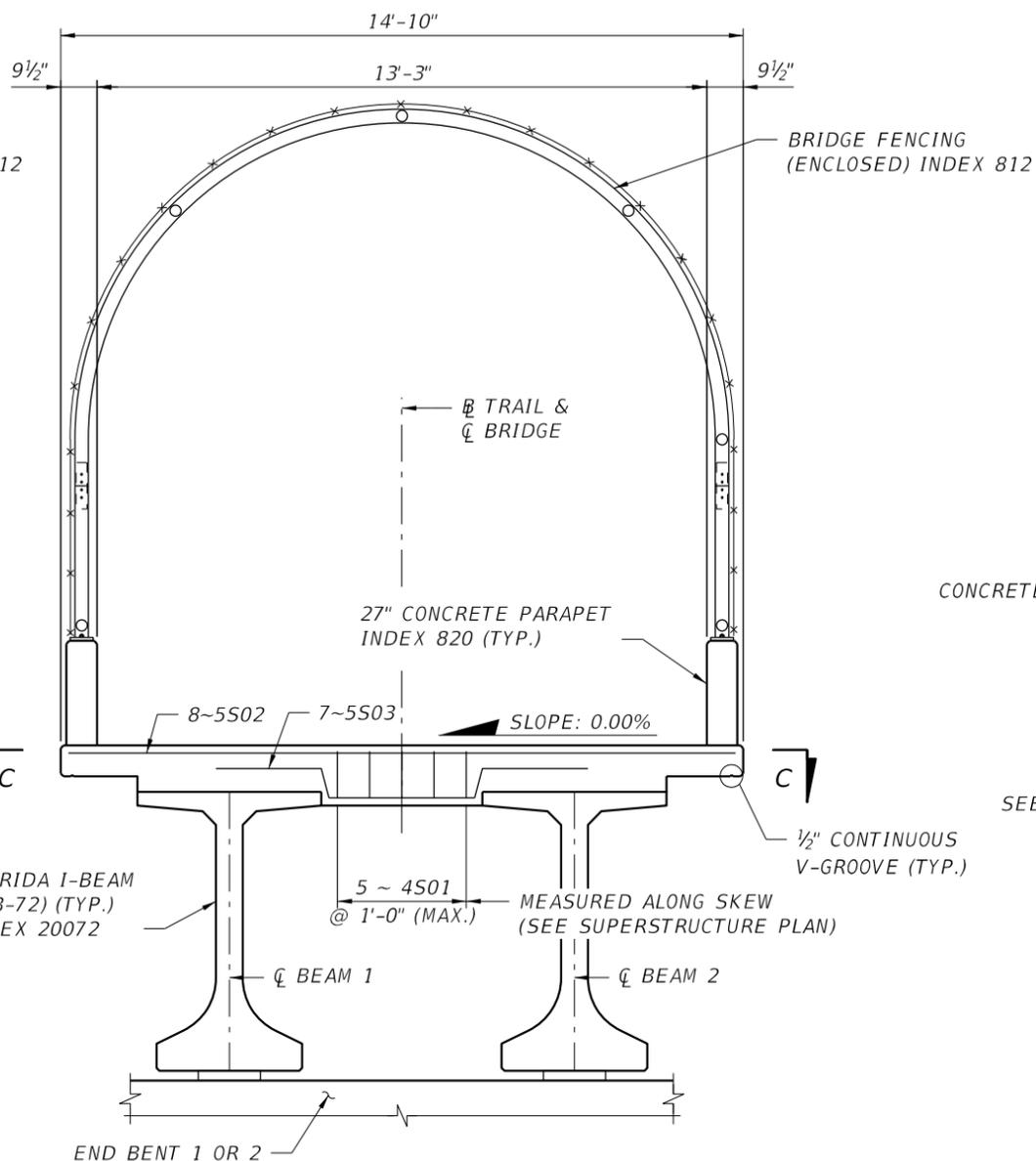
REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: SUPERSTRUCTURE PLAN	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME: LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	SHEET NO. B1 - 13

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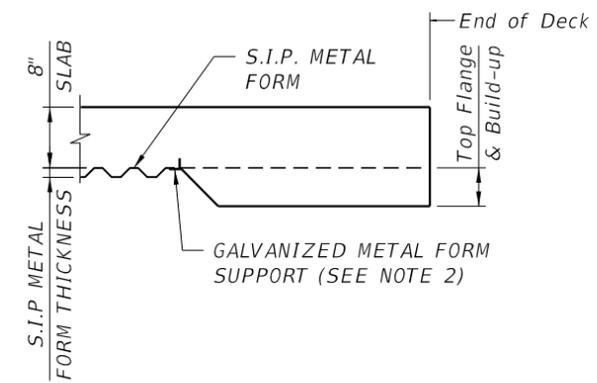
**SECTION A-A**

(THICKENED SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)

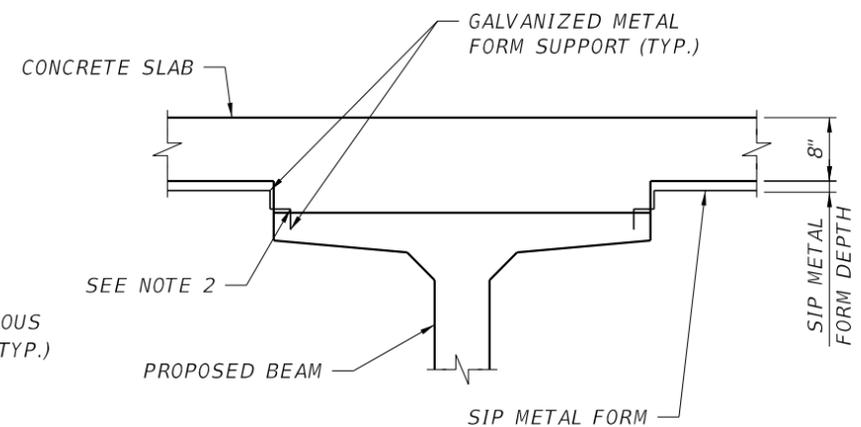


**SECTION B-B - THICKENED SLAB AT END BENTS**

(DECK REINFORCEMENT NOT SHOWN FOR CLARITY)  
(DECK & BEAM SKEW NOT SHOWN FOR CLARITY)  
(SEE NOTE 2)



**PARTIAL SECTION THRU END OF SPAN**



**PARTIAL SECTION THRU SUPERSTRUCTURE**

**STAY-IN-PLACE METAL FORM DETAILS**

**STAY IN PLACE METAL FORM NOTES:**

1. STAY-IN-PLACE METAL FORMS WITH POLYMER SHEETING MAY BE USED.
2. SEE SECTION 400 OF THE SPECIFICATIONS FOR INSTALLATION REQUIREMENTS FOR SIP FORMS AND SUPPORT COMPONENTS. ELECTRICAL GROUNDING OF SIP METAL FORMS TO REINFORCING STEEL IS PROHIBITED. FIELD WELDING IS NOT PERMITTED.

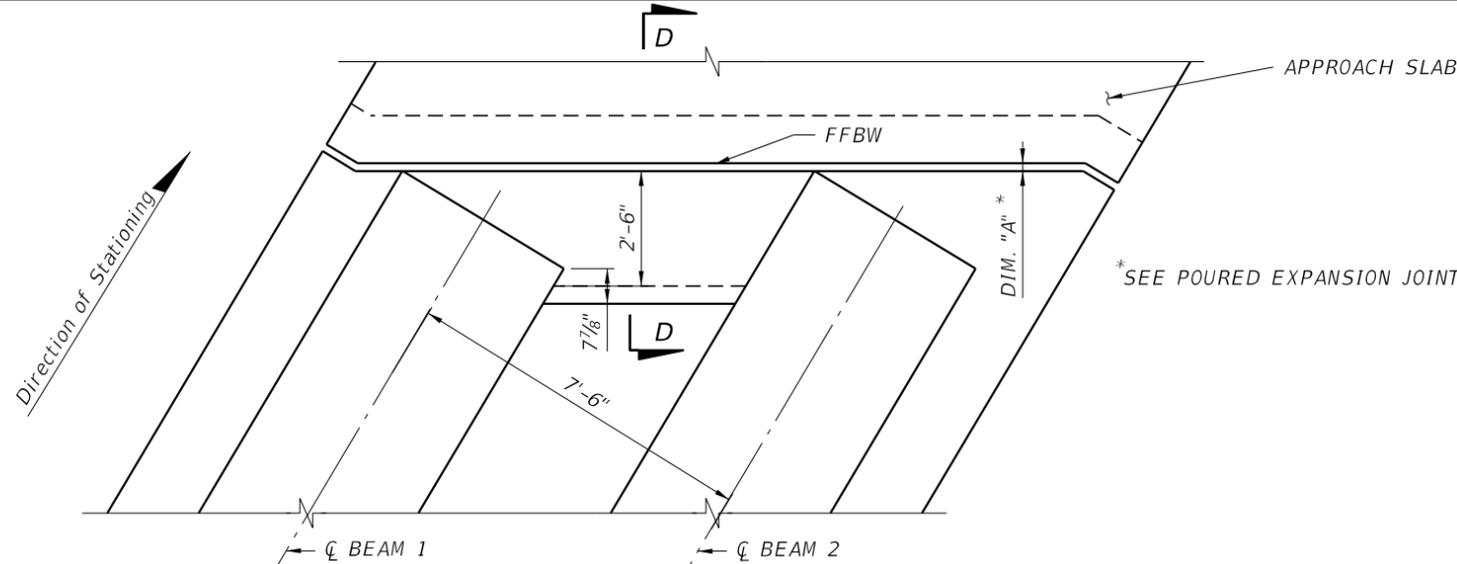
**NOTE:**

1. FOR SECTIONS A-A & B-B, SEE SUPERSTRUCTURE DETAIL SHEET.
2. DIMENSIONS SHOWN AND MEASURED NORMAL TO  $\perp$  TRAIL &  $\perp$  BRIDGE, UNLESS NOTED OTHERWISE.
3. FOR SECTION C-C, SEE SUPERSTRUCTURE DETAILS (2 OF 2)

NOT FOR CONSTRUCTION

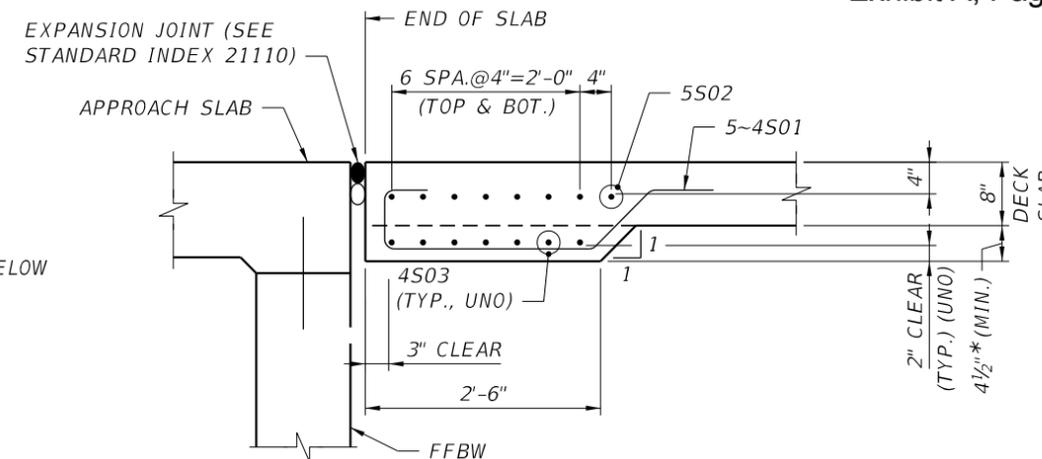
PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  SUPERSTRUCTURE DETAILS (1 OF 2)	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		



**SECTION C-C**

(REINFORCEMENT NOT SHOWN FOR CLARITY)  
(SECTION AT END BENT 2 SHOWN, END BENT 1 SIMILAR BUT OPPOSITE)



**SECTION D-D**

(DECK SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)  
\* MAXIMUM DIMENSION TO BE TOP FLANGE + BEAM BUILD-UP

BUILD-UP & DEFLECTION DATA TABLE FOR PRESTRESSED I-BEAMS					Table Date 07/01/13		
LOCATION		REQUIRED THEORETICAL BUILD-UP OVER $\bar{C}$ BEAM			NET BEAM CAMBER (PRESTRESS - DEAD LOAD OF BEAM) @ 120 DAYS	DEAD LOAD DEFLECTION DURING DECK POUR @ 120 DAYS DIM A	BUILD-UP CASE NO.
SPAN NO.	BEAM NO.	AT BEGIN SPAN DIM B	AT $\bar{C}$ SPAN DIM C	AT END SPAN DIM D			
1	1	2.000"	0.500"	2.000"	5.272"	3.770"	1
1	1	2.000"	0.500"	2.000"	5.272"	3.770"	1

WORK THIS TABLE WITH INDEX NO. 20199.

BEARING PAD DATA TABLE					Table Date 7-01-13
SPAN NO(s).	BEAM NO(s).	PAD TYPE	BEAM TYPE	BEAM END *	
1	ALL	H	FIB 72	1 & 2	

NOTE [NOTES DATE 07-01-14]:  
WORK THIS TABLE WITH INDEX NO. 20510.  
\* END 1 = BEGIN BRIDGE END OF BEAM (BACK STATION).  
END 2 = END BRIDGE END OF BEAM (AHEAD STATION).

POURED EXPANSION JOINT DATA TABLE INDEX NO. 21110				Table Date 1-01-09
LOCATION	DIM. "A" @ 70°F	TOTAL DESIGN MOVEMENT	DIM. "A" ADJUSTMENT PER 10°F	
END BENT 1	1"	1/2"	.005"	
END BENT 2	1"	1/2"	.005"	

NOTE:  
Dim. "A" adjustment per 10°F shown is measured perpendicular to  $\bar{C}$  Expansion Joint. Work this table with Design Standards Index No. 21110.

**PRESTRESSED BEAM STABILITY AND TEMPORARY BRACING NOTES:**

- ENSURE BEAM STABILITY AND DESIGN TEMPORARY BEAM BRACING, INCLUDING CONNECTIONS, IN ACCORDANCE WITH THE SPECIFICATIONS AND THE FDOT STRUCTURES MANUAL.
- CONSTRUCTION:
  - EVALUATE THE BEAM STABILITY AND BRACING REQUIREMENTS AGAINST THE DESIGN ASSUMPTIONS INCLUDING:
    - LOADINGS GIVEN IN THE PLANS.
    - BEAM CAMBER (LESS THAN 6 INCHES) AND BEAM SWEEP (IN COMPLIANCE WITH SPECIFICATION 450 REQUIREMENTS).
    - BEARINGS GIVEN IN THE PLANS.
  - SECURELY CONNECT BRACING TO EACH BEAM. DO NOT ALLOW THE BRACING TO EXERT ANY VERTICAL FORCE ON THE OUTER EDGE OF THE TOP FLANGE. PREFORM ALL BOLT HOLES IN BEAMS AND FILL AFTER USE IN ACCORDANCE WITH THE SPECIFICATIONS.

TABLE OF PRESTRESSED I-BEAM TEMPORARY BRACING MINIMUM REQUIREMENTS AND LOADS								Table Date 8-05-15
SPAN NO.	BEAM NO.	STAGE 1	STAGE 2			STAGE 3		
		BRACE ENDS PRIOR TO CRANE RELEASE? <sup>1</sup> (YES/NO)	TOTAL LINES OF BRACING <sup>2,3,7</sup>	MINIMUM NUMBER OF ADJACENT BEAMS ERECTED	HORIZONTAL LOAD AT EACH BRACE <sup>4</sup> (KIP)	TOTAL LINES OF BRACING <sup>3,5,7</sup>	OVERTURNING MOMENT AT EACH BRACE <sup>6</sup> (KIP-FT)	
1	ALL	NO	4	1	6.06	4	87.81	

- ANCHOR BRACING LOADS TO BE DETERMINED BY THE CONTRACTOR.
- TOTAL LINES OF STAGE 2 BRACING, INCLUDING END BRACING, ARE REQUIRED TO BE INSTALLED WITHIN 24 HOURS AFTER INITIAL BEAM PLACEMENT.
- EQUALLY SPACE BRACING ALONG THE LENGTH OF THE BEAMS ALLOWING FOR VARIATIONS DUE CONNECTION CONFLICTS AND SKEW.
- LRFD STRENGTH III LOADS APPLIED TO BEAM AT BRACE POINT (SEE SDG 11.6).
- TOTAL LINES OF STAGE 3 BRACING, INCLUDING END BRACING, ARE REQUIRED TO BE INSTALLED PRIOR TO DECK PLACEMENT.
- LRFD STRENGTH I OVERTURNING MOMENT APPLIED TO BEAM AT BRACE POINT (SEE SDG 11.6).
- SUBMIT SHOP DRAWINGS FOR TEMPORARY BRACING PLAN INCLUDING LOCATIONS OF PREFORMED BEAM HOLES/INSERTS.

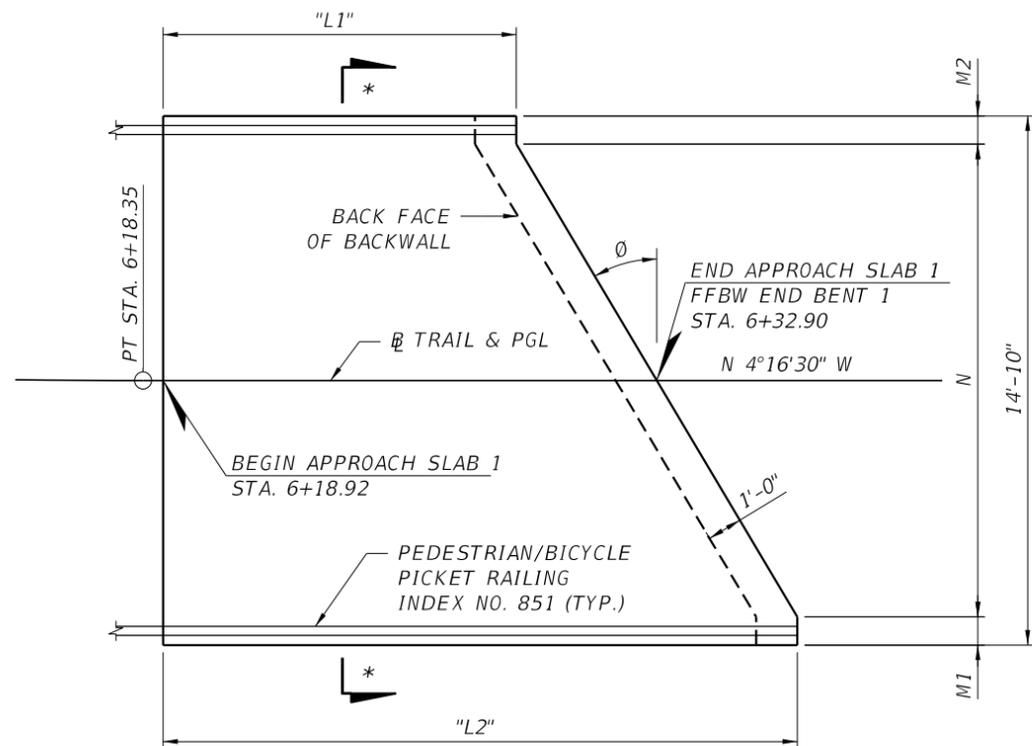
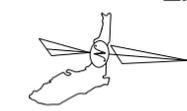
NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						DRAWN BY: JJP 07/15	CHECKED BY: SB 07/15	DESIGNED BY: YRA 07/15	CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: SUPERSTRUCTURE DETAILS (2 OF 2)		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	
										-	POLK	429883-1-52-01	B1 - 15		

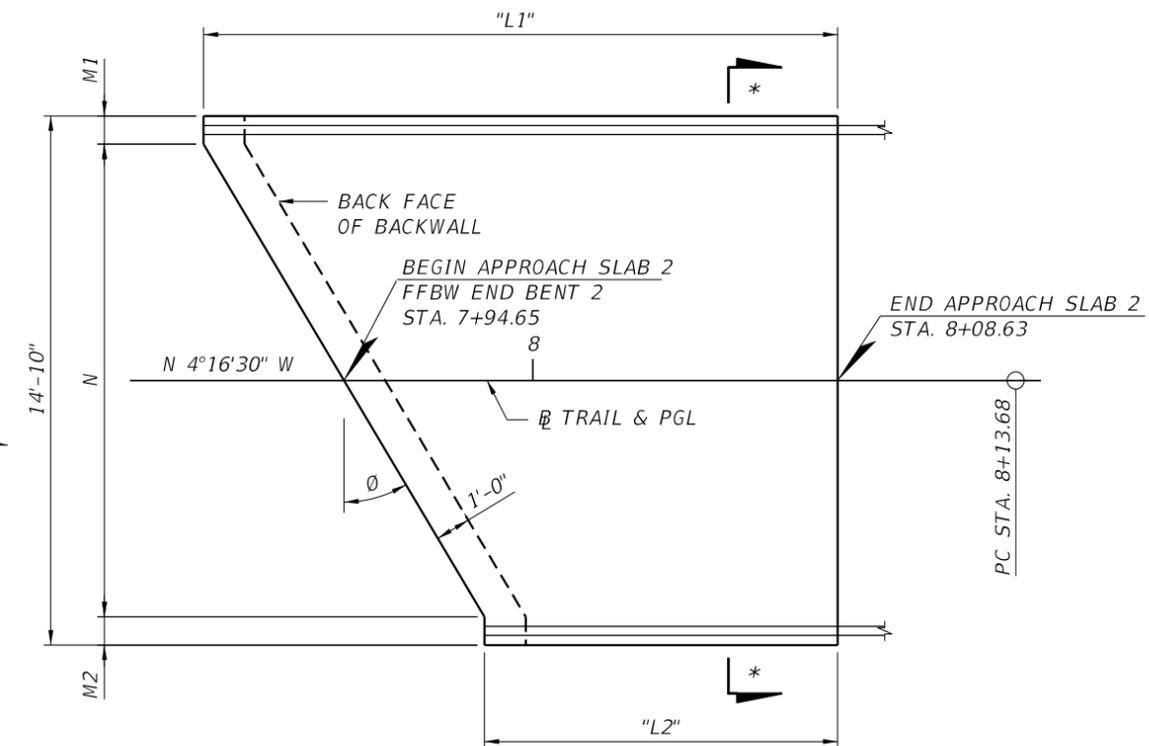
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**APPROACH SLAB 1 - PLAN**  
\* SEE NOTE 1.

DIRECTION OF STATIONING →



**APPROACH SLAB 2 - PLAN**  
\* SEE NOTE 1.

APPROACH SLAB INDEX NO. 20910 TABLE OF DIMENSIONS							Table Date 07-01-13
LOCATION	DIMENSIONS					ANGLE Ø	
	L1	L2	M1	M2	N		
APPROACH SLAB 1	10'-0"	17'-11½"	9½"	9½"	13'-3"	31°00'00"	
APPROACH SLAB 2	17'-11½"	10'-0"	9½"	9½"	13'-3"	31°00'00"	

Dimension Notes:  
 Dimensions L1 & L2 are measured along gutter line, inside face of parapet or inside face of railing on raised sidewalks.  
 Dimensions L1 & L2 are arc dimensions within curved alignments.

**NOTES:**

1. FOR APPROACH SLAB TYPICAL SECTION, SEE TYPICAL SECTION SHEET.
2. WORK THIS SHEET WITH INDEX 20910 EXCEPT FOR THE MINIMUM APPROACH SLAB LENGTH WHICH IS 10'-0" AS SHOWN IN TABLE OF DIMENSIONS. PROVIDE DOWELS TO ADJACENT RIGID PAVEMENT PER INDEX 305 AND 306.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: DLJ 07/15 CHECKED BY: SB 07/15 DESIGNED BY: YRA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: <b>APPROACH SLAB PLAN</b>	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92	B1-17	

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MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø							
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG
LOCATION					END BENTS 1 AND 2										NO. REQUIRED = 2						
4	C01	9-0		8	1			9-0													
4	C02	8-8		6	1			8-8													
4	C03	4-0		11	1			4-0													
4	C04	2-6		2	1			2-6													
4	C05	4-5		11	1			4-5													
5	B01	16-8		8	1			16-8													
5	B02	7-8		2	18	1	1	6-6													
5	B03	16-9		14	12			16-2	0-7												31°
5	B04	7-3		46	1			7-3													
5	B05	12-10		13	4	4	4	2-5	3-6												
5	B06	13-0		2	4	4	4	2-5	4-1												
5	B07	9-4		2	5			2-5	3-6	0-6	0-6										
5	B08	15-3		4	1			15-3													
5	B09	16-2		1	1			16-2													
5	D01	2-3		5	1			2-3													

MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø							
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG
LOCATION					SUPERSTRUCTURE - 1 SPAN UNIT										NO. REQUIRED = 1						
4	S01	5-4		10	25			0-7 1/4	2-2	0-6 3/4	0-7 1/4	0-8	1-0								
4	S06	165-3		33	2			2-0	161-3												2
4	S07	7-6		62	1			7-6													
5	S02	16-6		14	1			16-6													
5	S03	16-9		16	42			0-4	6-2	3-5	6-2		16-6								
5	S04	VARY		44	1			0-8													
		6-11		0	1			13-2													
4	S05	14-6		462	1			14-6													

MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø							
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG
LOCATION					APPROACH SLAB 1 & 2										NO. REQUIRED = 2						
5	A01	VARY		16	1			9-11 *													
		13-8		0	1			17-4 *													
8	A02	VARY		21	1			9-11 *													
		13-8		0	1			17-4 *													
5	B01	14-6		25	1			14-6													
5	B02	VARY		7	1			2-3 3/4													
		7-4		0	1			12-3 3/4													
5	B03	VARY		10	1			1-5 3/4													
		7-2		0	1			12-8 3/4													
5	C02	16-1		4	1			16-0 3/4													

END OF LIST

\* THE FIRST LEFT AND RIGHT COPING BAR LENGTHS ARE 9'-8" AND 17'-7 1/2" RESPECTIVELY.  
THE REMAINING 14~5A01 AND 19~8A02 BAR LENGTHS VARY AS SHOWN.

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: SGA 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: JCB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
									POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17/92		B1-18

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PERMANENT MSE RETAINING WALL SYSTEM DATA TABLES

GEOTECHNICAL INFORMATION		Table Date 1-01-11					
		Reinforced Soil & Random Backfill	Fine to Medium Sand (SP)	Clayey Sand (SC)	Fine to Medium Sand (SP, SP-SM)	Silty Sand (SM)	Clayey Sand (SC)
Depth Below Existing Ground Line (ft.)	Wall No. 1	---	0 to 10	10 to 12.5	12.5 to 50	50 to 75	---
	Wall No. 2	---	0 to 10	10 to 15	15 to 47.5	47.5 to 60	60 to 75
Wall 1 - Effective Unit Weight (pcf)		115	51	44	51	55	---
Wall 2 - Effective Unit Weight (pcf)		115	49	44	51	52	44
Cohesion (psf)		---	---	---	---	---	---
Wall 1 - Internal Friction Angle		32	32	30	32	35	---
Wall 2 - Internal Friction Angle		32	31	30	32	33	30

**NOTES:**

1. CONCRETE FACING PANEL SURFACES TREATMENT WILL BE ASHLAR STONE.
2. IF REQUIRED, THE SOIL REINFORCEMENT AND FASTENERS FOR THE ABUTMENT BACK WALL WILL BE DESIGNED AND FURNISHED BY THE PROPRIETARY WALL COMPANY. THE SOIL REINFORCEMENT WILL BE DESIGNED TO RESIST A FACTORED HORIZONTAL LOAD OF 5.4 KIPS/FT. OF BACK WALL WIDTH. THE COST OF SOIL REINFORCEMENT AND FASTENERS WILL BE INCLUDED IN THE COST OF THE RETAINING WALL SYSTEM.
3. APPLICABLE FDOT WALL TYPES FOR EACH WALL LOCATION ARE LISTED BELOW. SEE THE APPROVED PRODUCTS LIST FOR APPROVED WALL SYSTEMS AND DESIGN STANDARDS INDEX NO. 6020 FOR ALLOWABLE WALL TYPE SUBSTITUTIONS.  
WALL NO. 1 - FDOT WALL TYPE 2A  
WALL NO. 2 - FDOT WALL TYPE 2A
4. CONCRETE FOR COPING AND/OR JUNCTION SLAB SHALL BE CLASS II (F'C = 3,400 PSI).
5. SEE DESIGN STANDARDS INDEX. NO. 6020 FOR GENERAL NOTES AND DETAILS.

**NOTE:**

If the unit weight and/or internal friction angle of the fill proposed by the Contractor differs from that shown above, the Project Engineer will contact both the District Geotechnical Engineer and the Wall Designer for a possible redesign.

RETAINING WALL VARIABLES					Table Date 7-01-13
Wall No.	Wall Settlement				Design High Water Elevation (ft.)
	Long Term Settlement (in.)	Short Term Settlement (in.)	Differential Settlement		
			Longitudinal (%) (ft./100ft.)	Transverse (in.)	
1	< 0.5	≤ 5	0.07	< 1	130
2	< 0.5	≤ 5	0.07	< 1	132

**NOTE:**

Design walls for the settlements noted in the table. Long term settlement is measured from the end of wall fill placement. Transverse differential settlement is measured from the face of wall to the end of the soil reinforcement.

SOIL REINFORCEMENT LENGTHS FOR EXTERNAL STABILITY													Table Date 1-01-11	
Wall No. 1	Wall Height (ft.)	7	10	12	14	16	18	20	22	24	25	27	28	30
	Reinforcement Length (ft.)	7	8	9	10	12	13	14	16	17	18	19	20	22
	Factored Bearing Resistance (psf)	5484	5487	5674	5860	6660	6873	7063	7889	8084	8496	8692	9107	9926
Wall No. 2	Wall Height (ft.)	7	10	12	14	16	18	20	22	24	25	26	28	-
	Reinforcement Length (ft.)	7	8	9	10	12	13	14	16	17	18	19	20	-
	Factored Bearing Resistance (psf)	4719	4721	4880	5036	5730	5892	6054	6751	6916	7264	7612	7719	-

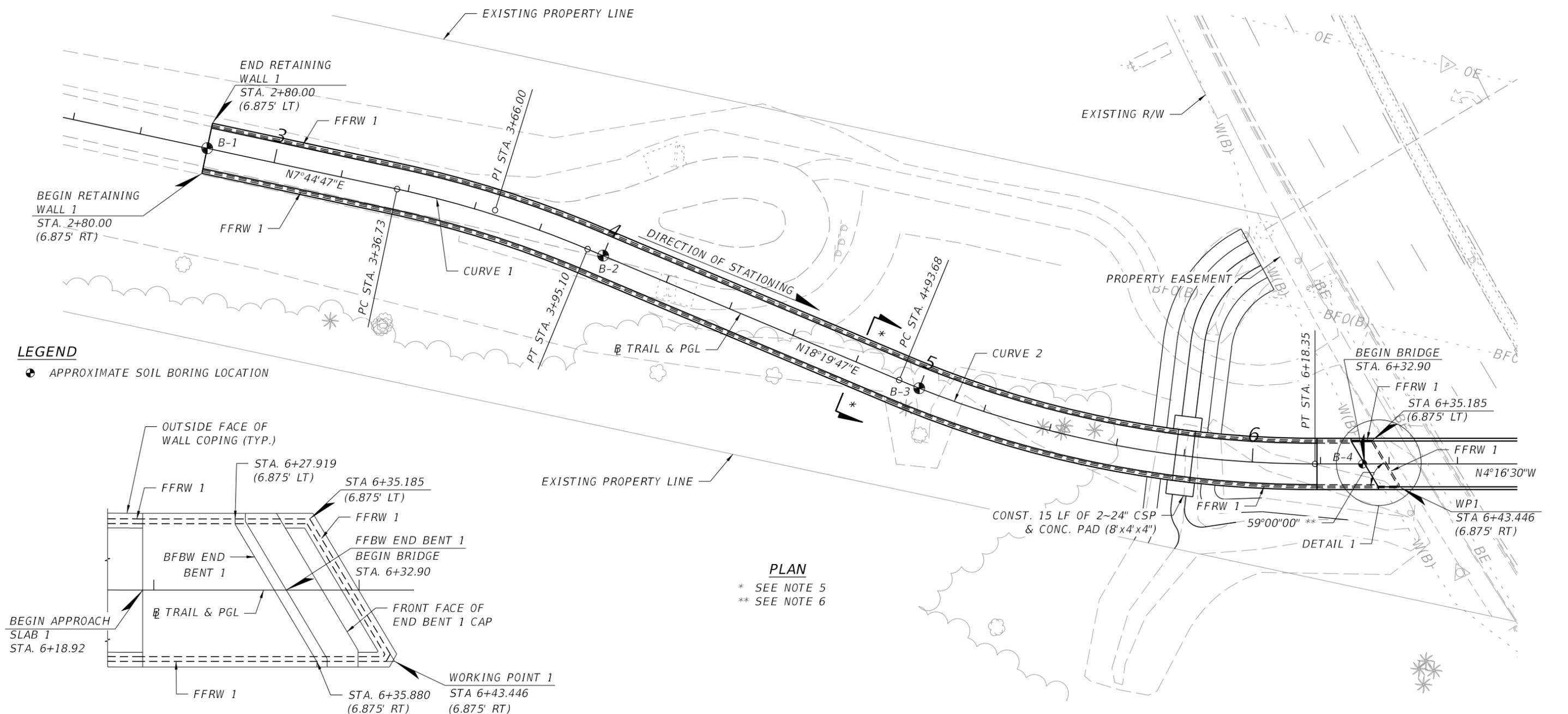
**NOTES:**

1. The reinforcement strap lengths shown above are the minimum lengths required for external stability. The reinforcement lengths used in the construction of the retaining walls will be the longer of that required for external or internal stability (determined by proprietary wall companies). For strap lengths exceeding the width of the trail, the wall straps may be overlapped and tied back to back of wall.
2. The Factored Bearing Resistances shown above are the critical (lowest) values from all the load cases analyzed using LRFD methodology.

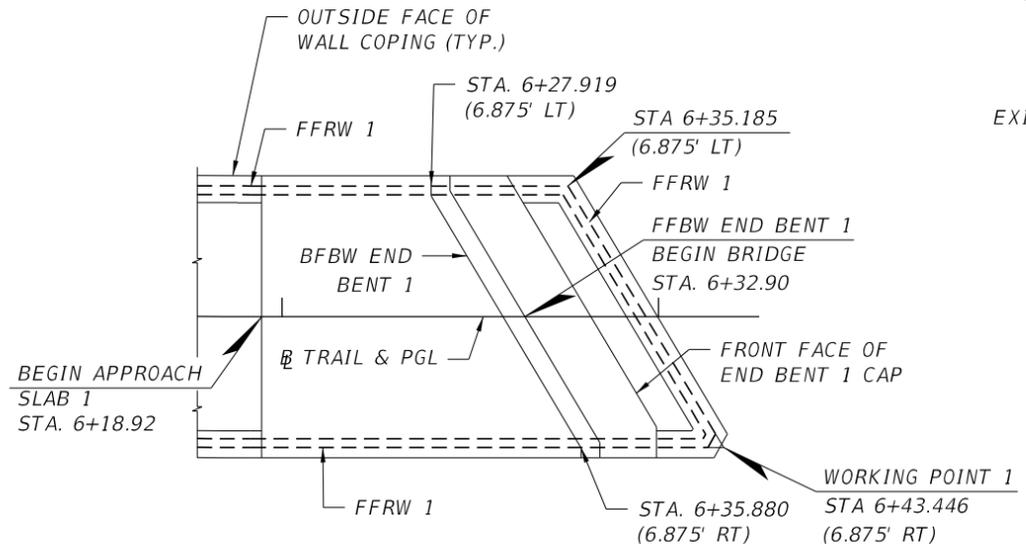
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PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
									POLK	429883-1-52-01	LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		B1-19



**LEGEND**  
 ● APPROXIMATE SOIL BORING LOCATION



**PLAN**  
 \* SEE NOTE 5  
 \*\* SEE NOTE 6

- NOTES:**
1. ALL STATIONS REFER TO TRAIL ALONG FRONT FACE OF RETAINING WALL.
  2. OFFSETS ARE GIVEN TO FRONT FACE OF RETAINING WALL (FFRW).
  3. FOR HORIZONTAL CURVE DATA SEE VERTICAL PROFILE AND HORIZONTAL CURVE DATA SHEET.
  4. FOR ELEVATIONS SEE RETAINING WALL 1 ELEVATION SHEET.
  5. FOR TYPICAL SECTIONS AT RETAINING WALLS, SEE TYPICAL SECTION SHEET.
  6. THE PROPRIETARY WALL MANUFACTURER SHALL DESIGN AND DETAIL THE CORNER WALL AS A BIN WALL PER FDOT STRUCTURES DESIGN MANUAL. A SLIP JOINT AT THE INTERFACE BETWEEN THE BIN WALL AND THE ADJACENT WALL IS REQUIRED.
  7. THE PROPRIETARY WALL MANUFACTURER SHALL DESIGN AND DETAIL ALL PIPE PENETRATIONS IN ACCORDANCE TO FDOT STRUCTURES MANUAL.
  8. AT THE ABUTMENT WALL, DO NOT DESIGN THE SOIL REINFORCEMENTS TO BE SKEWED MORE THAN 15 DEGREES WHERE IN CONFLICT WITH PILES PROVIDE SKEW DETAILS IN THE SHOP DRAWINGS IN ACCORDANCE WITH SECTION 3.13.2.J8 OF THE STRUCTURE DESIGN GUIDELINES.

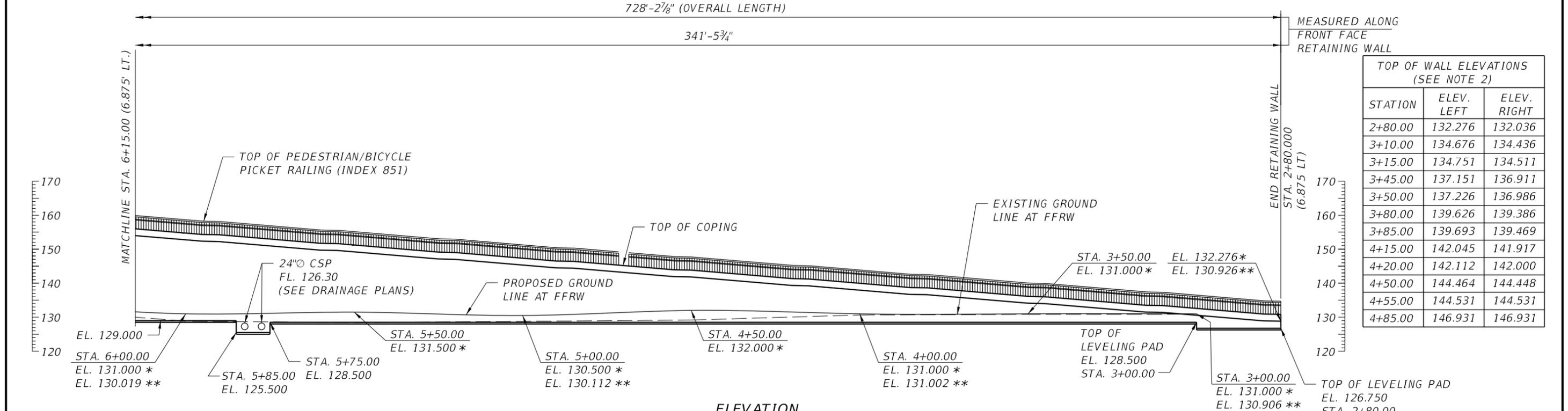
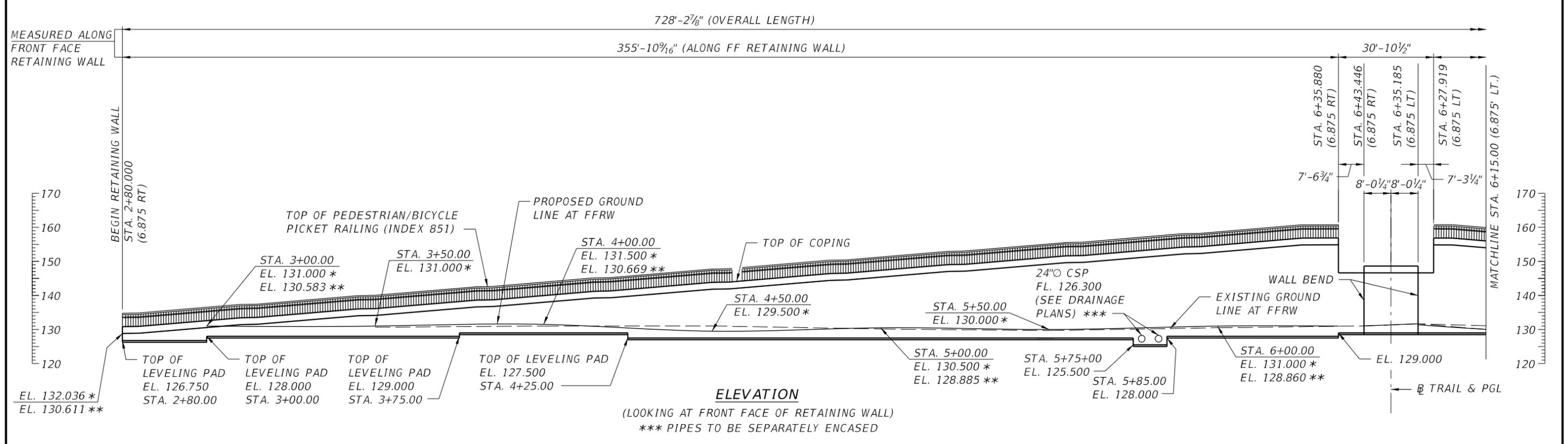
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
										LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		
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STATION	ELEV. LEFT	ELEV. RIGHT
2+80.00	132.276	132.036
3+10.00	134.676	134.436
3+15.00	134.751	134.511
3+45.00	137.151	136.911
3+50.00	137.226	136.986
3+80.00	139.626	139.386
3+85.00	139.693	139.469
4+15.00	142.045	141.917
4+20.00	142.112	142.000
4+50.00	144.464	144.448
4+55.00	144.531	144.531
4+85.00	146.931	146.931

**NOTES:**

1. STATIONS AND DIMENSIONS ARE GIVEN ALONG FFRW.
2. ELEVATIONS PROVIDED IN TABLE IS AT TOP OF COPING AND IS APPLICABLE ONLY AT LOCATION OF CROSS SLOPE TRANSITIONS. FOR ALL OTHER TOP OF COPING ELEVATIONS ALONG WALL SEE VERTICAL AND HORIZONTAL CURVE DATA SHEET.
3. OFFSETS ARE MEASURED FROM  $\varnothing$  TRAIL TO FRONT FACE OF RETAINING WALL.
4. FOR PLAN VIEW, SEE RETAINING WALL 1 PLAN SHEET.

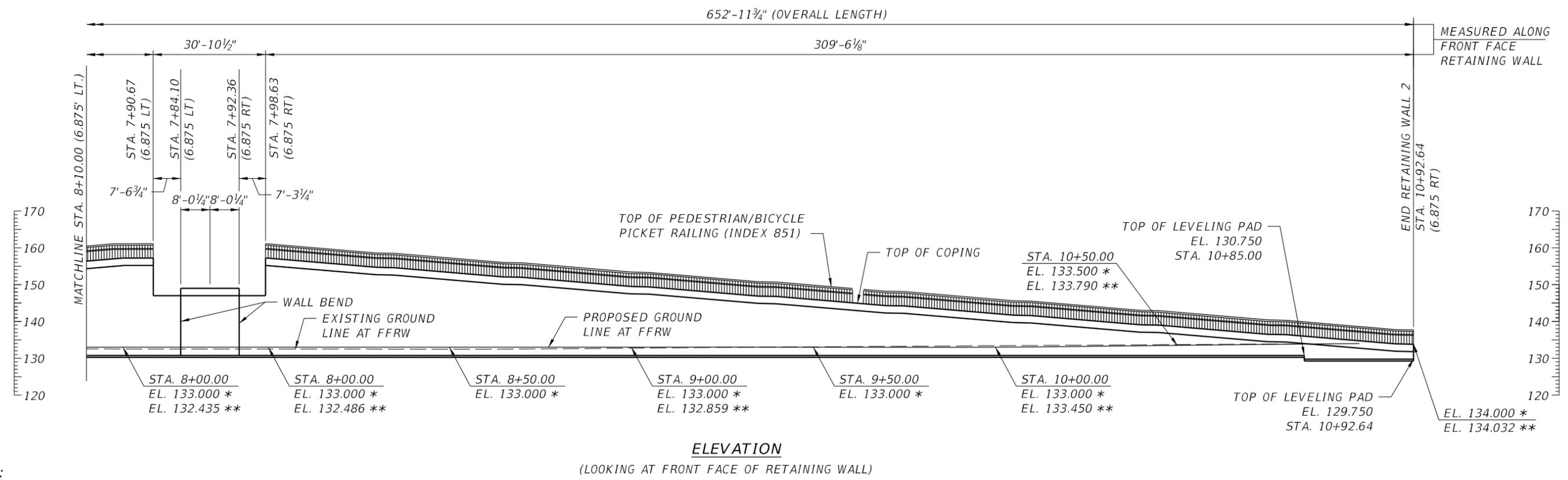
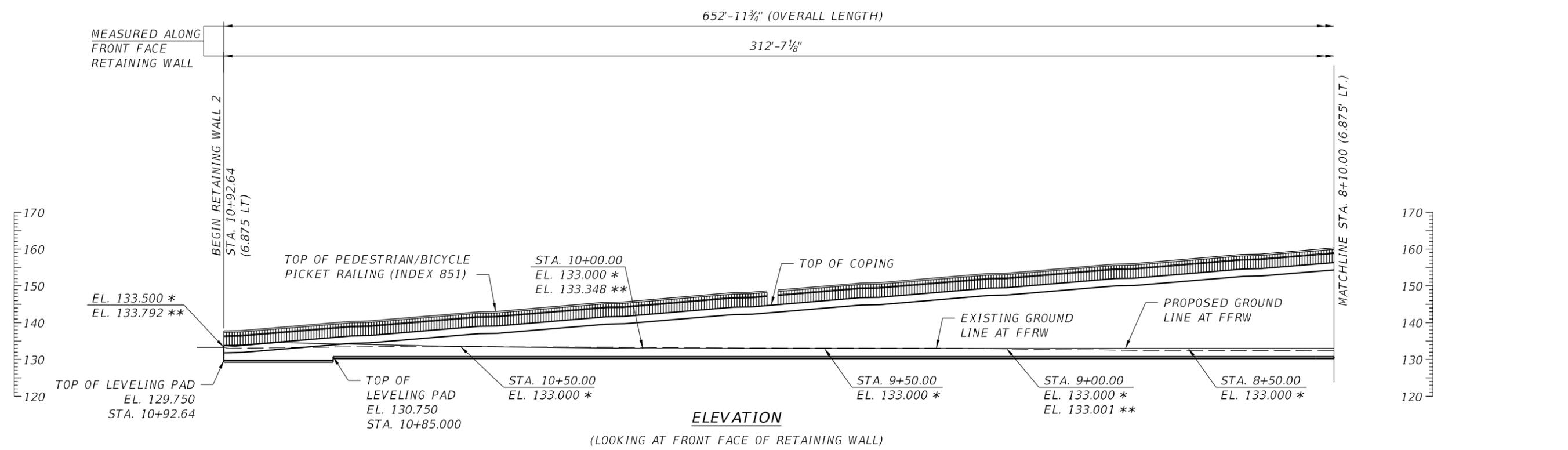
\* PROPOSED GROUND ELEVATION  
 \*\* EXISTING GROUND ELEVATION

NOT FOR CONSTRUCTION

PHASE IV SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: SGA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: <b>RETAINING WALL 1 ELEVATION</b>	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
										LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		
sbayard 1/20/2016 1:46:28 PM Z:\400\2014\14036\FL01.01\42988315201\struct\B1MSEWALL01.dgn												

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



- NOTES:**
1. STATIONS AND DIMENSIONS ARE GIVEN ALONG FFRW.
  2. FOR TOP OF COPING ELEVATION SEE VERTICAL AND HORIZONTAL CURVE DATA SHEET.
  3. OFFSETS ARE MEASURED FROM  $\text{R}$  TRAIL TO FRONT FACE OF RETAINING WALL.
  4. FOR PLAN VIEW, SEE RETAINING WALL 2 PLAN SHEET.

\* PROPOSED GROUND ELEVATION  
 \*\* EXISTING GROUND ELEVATION

NOT FOR  
CONSTRUCTION

PHASE II SUBMITTAL  
BRIDGE NO. 169004

REVISIONS						SYBILLE BAYARD, P.E. NO. 56038 INFRASTRUCTURE ENGINEERS, INC. 2511 ST. JOHNS BLUFF ROAD SOUTH, SUITE 103 JACKSONVILLE, FLORIDA 32246 PH.: 1-888-451-6822 FAX: 904-645-3993 CERTIFICATE OF AUTHORIZATION NO. 6876	DRAWN BY: JJP 07/15 CHECKED BY: SB 07/15 DESIGNED BY: YRA 07/15 CHECKED BY: SB 07/15	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:  RETAINING WALL 2 ELEVATION	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
										LAKE ALFRED TRAIL PEDESTRIAN BRIDGE OVER US 17 / 92		
jpiccirilli      1/20/2016      8:51:00 AM      Z:\400\2014\14036FL01.01\42988315201\struct\B1MSEWALLO2.dgn												

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**LAKE ALFRED CITY COMMISSION MEETING  
APRIL 4, 2016**

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**4.) STREET RESURFACING PRIORITY LIST**

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**ISSUE:** The City Commission will consider updating the street resurfacing priority list for future resurfacing and road improvement projects.

**ATTACHMENTS:**

- Street Resurfacing Priority List

**ANALYSIS:** The City's capital improvement program currently schedules a street resurfacing project every two years. The two year cycle allows for a buildup of \$150,000 in restricted gas tax revenues (\$75k each year) to be spent on a single project that is more effective due to incurring a single mobilization fee and greater economies of scale from a single larger project (instead of annual \$75k projects).

The proposed list is reflective of Public Works Staff's assessment of the relative condition of the roads within the City. Each street is ranked between #1 through #5 with the lower rank being of higher priority based upon cracks, potholes, and the thinness of the pavement. This ranking is subject to change over time, as roads receive different amounts of usage and wear that requires the list to be periodically updated. The priority list is used to establish the scope of work and bid proposal for the resurfacing project in the upcoming FY 16/17 budget.

The proposed list is being presented to the City Commission for consideration and approval as submitted or with any amendments that the Commission may desire. Following feedback from the City Commission regarding the widening of Ramona Avenue staff is soliciting pricing information from a resurfacing company and will have the information available at the meeting for consideration.

**STAFF RECOMMENDATION:** Pleasure of the City Commission.

## LAKE ALFRED STREET RESURFACING PRIORITIZATION

RATING	STREET	CRACKS	POTHoles	THIN PAVEMENT	NOTE
1	N. RIDGE AVE.	X	X	X	
1	E. MIDWAY	X	X	X	
1	E. LEMON ST.	X	X	X	
2	E. GRAPEFRUIT ST.	X	X	X	
2	E. ORANGE AVE.	X	X	X	
2	N. NEKOMA 100 BLOCK	X	X		
2	N. ROCHELLE RD.	X	X		
2	N. RAMONA	X	X		Needs Widening
2	N. GLENCRUITEN	X	X		
2	E. POMELO	X	X		
2	E. SANFORD 300 BLOCK	X	X		
2	GLENN AVE.	X	X		
2	CHARMIL AVE.	X	X		
2	E. COLUMBIA ST. 300 BLOCK	X	X		
2	E. THELMA AVE.	X	X		(GLENCRUITEN-ROCHELLE)
2	S. NEKOMA RD.	X		X	
2	W. FISHER LANE	X	X		
2	S. ILAKEE AVE. 400 BLOCK	X	X		
2	W. SANFORD ST. 200 BLOCK	X	X		
3	W. PIERCE ST.	X			BORDERLINE #2
3	W. HAINES BLVD	X			
3	W. SWOOPE ST.	X			
3	W. PARK LANE	X			
3	MESSER LANE	X			NARROW
3	N. LAKESHORE WAY	X			
3	E. SWOOPE ST.	X			
3	E. TANGERINE AVE.	X			
3	N. RAMONA TO WWTP	X			
3	E. SANFORD 600 BLOCK	X			
3	E. PIERCE ST. 600 BLOCK	X	X		
3	S. TOWNER TO SANFORD	X			
3	S. TOWNER TO CUMMINGS	X	X		
3	S. CAROLINA AVE.	X			(HAINES TO CUMMINGS)
3	S. CAROLINA AVE.	X			(CUMMINGS TO ECHO)
3	E. ECHO	X			(LAKESHORE TO GLENCRUITEN)
3	S. ROCHELLE AVE	X			(HAINES TO CUMMINGS)
3	S. SEMINOLE	X			(HAINES TO ECHO)
3	S. GLENCRUITEN	X			(MACKAY TO CUMMINGS)
3	E. COLUMBIA ST. 100-200 BLOCK	X			
3	E. HOFFMAN ST. 100-400 BLOCK	X	X		
3	LAKE GEORGE RD.	X			
3	S. ECHO	X			

## LAKE ALFRED STREET RESURFACING PRIORITIZATION

RATING	STREET	CRACKS	POTHoles	THIN	NOTE
				PAVEMENT	
3	S. CROSS RD.	X			
3	NECHO AVE.	X			
3	DAVIS AVE.	X			
3	W. TERRACE	X			
3	E. LAKEVIEW	X			
3	W. PERSHING	X			
3	SELLARS DR.	X			
3	HARBORD ST.	X			
3	PINNER CT.	X			
3	S. ILAKEE AVE. 700 BLOCK	X			
3	WINONA AVE. 600 BLOCK	X			
3	N. ECHO DR.	X			
3	S. NEKOMA 500 BLOCK	X			
3	ORANGE ST.	X			
3	W. COLUMBIA ST.	X			
3	S. ITASCA AVE.	X			
3	W. HOFFMAN ST.	X			
4	E. SANFORD 500 BLOCK				
4	E. HAINES				(LAKESHORE TO RAMONA)
4	E. CUMMINGS				(LAKESHORE TO RAMONA)
4	GOODMAN AVE.				GOOD
4	E. PIERCE ST. 100-200 BLOCK				GOOD
4	E. ORANGE 100-200-300 BLOCK				GOOD
4	MACKAY BLVD				GOOD
4	RAINERO				GOOD
4	W. CUMMINGS ST.				GOOD
4	N PENNSYLVANIA 100 BLOCK				GOOD
4	W. INTERLACHEN ST.				GOOD
4	E. PARK LANE				VERY GOOD
5	S. GLENCRUITEN TO CUMMINGS				VERY GOOD
5	S. ILAKEE AVE. 200 BLOCK				VERY GOOD
5	S. WINONA AVE.				VERY GOOD
5	S. ITASCA AVE.				VERY GOOD
5	S. NEKOMA AVE.				VERY GOOD
5	S. PENNSYLVANIA AVE.				VERY GOOD
5	N. PENNSYLVANIA AVE.				VERY GOOD
5	W. ALFRED ST.				VERY GOOD
5	LAKE SWOOPE DR.				VERY GOOD
5	MARTIN LUTHER KING				VERY GOOD
5	N. THIRD ST.				VERY GOOD
5	E. HOFFMAN ST. 500 BLOCK				VERY GOOD
5	N. TODHUNTER				VERY GOOD
5	S. TODHUNTER 700 BLOCK				VERY GOOD
5	HILLSIDE				VERY GOOD