Schaller Preserve
Community Development District

Meeting Agenda

October 27, 2026

AGENDA

Schaller Preserve
Community Development District

219 E. Livingston St., Orlando, Florida 32801
Phone: 407-841-5524 – Fax: 407-839-1526

October 20, 2026

Board of Supervisors Meeting
Schaller Preserve Community Development District

Dear Board Members:

A meeting of the Board of Supervisors of the **Schaller Preserve Community Development District** will be held on **Tuesday, October 27, 2026** at **12:30 PM** at **Home2 Suites by Hilton Lakeland North I-4, 3610 Hopewell Avenue, Lakeland, FL 33809.**

Zoom Link: https://us06web.zoom.us/j/87632158225
Call-In Information: 1-646-876-9923 **Meeting ID**: 876 3215 8225

Following is the advance agenda for the meeting:

1. Roll Call
2. Public Comment Period (Public Comments are limited to three (3) minutes each)
3. Approval of Minutes of the June 23, 2026 Board of Supervisors Meeting
4. Consideration of Resolution 2027-01 Ratifying Re-Setting the Landowners' Meeting Location
5. Consideration of Resolution 2027-02 Adopting Amended Fiscal Year 2027 Meeting Schedule
6. Consideration of Agreement with PayGov.US for Electronic Payment Processing
7. Ratification of Agreement for Traffic Lighting and Signalization
8. Ratification of Agreement for Survey Services with Leading Edge Land Services, Inc.
9. Ratification of Fiscal Year 2026 Audit Engagement Letter with Grau
10. Staff Reports
    A. Attorney
    B. Engineer
    C. District Manager's Report
        i. Balance Sheet & Income Statement
        ii. Ratification of Requisitions 7-17
        iii. Ratification of Funding Request #23
11. Other Business
12. Supervisors Requests and Audience Comments
13. Adjournment

MINUTES

MINUTES OF MEETING
SCHALLER PRESERVE
COMMUNITY DEVELOPMENT DISTRICT

The regular meeting of the Board of Supervisors of the Schaller Preserve Community Development District was held on Tuesday, **June 23, 2026** at 12:30 p.m. at Home2 Suites by Hilton, Lakeland North I-4, 3610 Hopewell Avenue, Lakeland, Florida.

Present and constituting a quorum were:

Scott Shapiro	Chairman
Mike Seney	Vice Chairman
Kelly Evans	Assistant Secretary

Also, present were:

Jill Burns	District Manager, GMS
Katie O'Rourke	District Manager, GMS
Grace Rindaldi	District Counsel

The following is a summary of the discussions and actions taken at the June 23, 2026 Schaller Preserve Community Development District's Regular Board of Supervisors Meeting.

FIRST ORDER OF BUSINESS **Roll Call**

Ms. Burns called the meeting to order at 12:33 p.m. Three Supervisors were present in person constituting a quorum.

SECOND ORDER OF BUSINESS **Public Comment Period**

There were no members of the public present or on Zoom. There being no public comments, the next item followed.

THIRD ORDER OF BUSINESS **Approval of Minutes of the March 24, 2026 Board of Supervisors Meeting**

Ms. Burns presented the minutes from the March 24, 2026 Board of Supervisors meeting and asked for comments, corrections, or questions. The Board had no changes to the minutes.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, the Minutes of the March 24, 2026 Board of Supervisors Meeting, were approved.

FOURTH ORDER OF BUSINESS **Public Hearing on Adoption of Fiscal Year 2027 Budget**

Ms. Burns asked for a motion to open the public hearing.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Opening the Public Hearing, was approved.

A. Consideration of Resolution 2026-10 Adopting the Fiscal Year 2027 Budget and Appropriating Funds

Ms. Burns stated this is included in the agenda package for review. This is a developer funded budget so the expenses will only be billed as they are incurred. A field contingency is included in case anything is turned over prior to the end of the fiscal year. If it is not used, that will not be billed.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-10 Adopting the Fiscal Year 2027 Budget and Appropriating Funds, was approved.

B. Consideration of Fiscal Year 2027 Developer Funding Agreement

Ms. Burns stated this agreement is with Lennar Homes, LLC which is the entity that will fund the O&M of the District.

> On MOTION by Ms. Evans, seconded by Mr. Shapiro, with all in favor, the Fiscal Year 2027 Developer Funding Agreement, was approved.

Ms. Burns asked for a motion to close the public hearing.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Closing the Public Hearing, was approved.

FIFTH ORDER OF BUSINESS **Resolution 2026-11 Confirming a Prior Determination of Benefit and Providing for the Collection and Enforcement of Debt Service Special Assessments and Certifying an Assessment Roll**

Ms. Burns stated because debt assessments have already been issued, this is certifying those previous levied assessments for collection.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-11 Confirming a Prior Determination of Benefit and Providing for the Collection and Enforcement of Debt Service Special Assessments and Certifying an Assessment Roll, was approved.

SIXTH ORDER OF BUSINESS **Consideration of Resolution 2026-12 Ratifying Staff's Actions in Rescheduling Public Hearing to Adopt Amended and Restated Rules of Procedure**

Ms. Burns stated this is resetting the hearing to today's date, June 23, 2026.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-12 Staff's Actions in rescheduling Public Hearing to Adopt Amended and Restated Rules of Procedure, were ratified.

SEVENTH ORDER OF BUSINESS **Public Hearing to Adopt Amended and Restated Rules of Procedure**

Ms. Burns stated this public hearing has been advertised and asked for a motion to open.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Opening the Public Hearing, was approved.

A. Consideration of Resolution 2026-13 Adopting Amended and Restated Rules of Procedure

Ms. Burns stated this is updated from the previously adopted rules, mostly statutory changes for recent legislative changes and some minor updates were made.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-13 Adopting Amended and Restated Rules of Procedure, was approved.

Ms. Burns asked for a motion to close the public hearing.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Closing the Public Hearing, was approved.

EIGHTH ORDER OF BUSINESS **Consideration of Resolution 2026-14 Adopting the Fiscal Year 2027 Meeting Schedule**

Ms. Burns stated the schedule in the agenda package is the same as our current fiscal year. November and December meetings fall at Thanksgiving and Christmas so those were bumped up to the third week of the month.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-14 Adopting the Fiscal Year 2027 Meeting Schedule, was approved.

NINTH ORDER OF BUSINESS **Consideration of Resolution 2026-15 Designating a Date, Time, and Location for the Landowner's Election**

Ms. Burns stated landowner's election will be November 17th at 12:30 at this location.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Resolution 2026-15 Designating a Date, Time, and Location for a the Landowner's Election on November 17, 2026 at 12:30, was approved.

TENTH ORDER OF BUSINESS **Presentation of Arbitrage Rebate Computation Proposal for Series 2026**

Ms. Burns stated this is for the arbitrage report that is required under the Trust Indenture. The cost is $450 annually.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Accepting the Arbitrage Rebate Computation Proposal for Series 2026, was approved.

ELEVENTH ORDER OF BUSINESS **Ratification of Construction Services Agreement with Ditch Whisperer**

Ms. Burns stated this was signed off by Scott outside of the meeting and asked for ratification.

> On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, the Construction Services Agreement with Ditch Whisper, was ratified.

TWELFTH ORDER OF BUSINESS **Staff Reports**

A. Attorney

Ms. Rinaldi reminded the Board of the July 1st deadline for Form 1.

B. Engineer

Ms. Burns noted the District Engineer was not present at the meeting.

C. District Manager's Report

i. Ratification of Funding Requisitions 1-6

Ms. Burns presented funding requestions 1-6 and noted they were approved.

> On MOTION by Ms. Evans seconded by Mr. Shapiro, with all in favor, Funding Requisitions 1-6, were ratified.

ii. Ratification of Funding Request #22

Ms. Burns presented funding request #22 and noted it has been approved.

On MOTION by Ms. Evans, seconded by Mr. Shapiro, with all in favor, Funding Requisition #21, was approved.

iii. Balance Sheet & Income Statement

Ms. Burns noted the financial statements are included in the package for review. No action is necessary. She offered to take questions from the Board.

iv. Presentation of Number of Registered Voters: 0

Ms. Burns stated there are zero registered voters within the District.

v. Goals and Objectives

a) Adoption of Fiscal Year 2027 Goals and Objectives

Ms. Burns stated the goals and objectives for Fiscal Year 2027 are the same as the current year goals and objectives and asked for approval.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, the Adoption of Fiscal Year 2027 Goals and Objectives, were approved.

b) Review of Fiscal Year 2026 Goals and Objectives and Authorizing Chair to Execute

Ms. Burns asked for a motion to authorize the Chair to review and confirm that the District has met the goals with staff at the end of the fiscal year and sign off. Ms. Rinaldi pointed out Goal 1.1 says a minimum of three Board meetings should be held, but in the objective, it says two. Ms. Burns stated it should be two.

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, Accepting the Fiscal Year 2026 Goals and Objectives and Authorizing Chair to Execute, was approved as amended.

vi. Reminder of Form 1 Filing Requirement Deadline

Ms. Burns stated the deadline for filing Form 1 is July 1st.

THIRTEENTH ORDER OF BUSINESS Other Business

There being no comments, the next item followed.

FOURTEENTH ORDER OF BUSINESS Supervisors' Requests and Audience Comments

There being no comments, the next item followed.

FIFTEENTH ORDER OF BUSINESS Adjournment

On MOTION by Mr. Shapiro, seconded by Ms. Evans, with all in favor, the meeting was adjourned.

_____ _____

Secretary/Assistant Secretary Chairman/Vice Chairman

SECTION 4

RESOLUTION 2027-01

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT RATIFYING THE ACTION OF THE DISTRICT MANAGER IN RE-SETTING THE TIME AND LOCATION FOR THE LANDOWNERS' MEETING AND ELECTION; AMENDING RESOLUTION 2026-15; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Schaller Preserve Community Development District ("**District**") is a local unit of special-purpose government created and existing pursuant to Chapter 190, *Florida Statutes*, being situated entirely within Polk County, Florida; and

WHEREAS, on June 23, 2026, the District's Board of Supervisors ("**Board**") adopted Resolution 2026-15, setting the date, time and location for the landowners' meeting and election in accordance with Section 190.006(2), *Florida Statutes*, for November 17, 2026, at 12:30 p.m. at the Home2Suites by Hilton Lakeland North I-4, 3610 Hopewell Avenue, Lakeland, Florida 33809; and

WHEREAS, due to the unavailability of the meeting location on the date set, the Board desires to ratify the District Manager's and District staff's actions in re-scheduling the time and location for the landowners' meeting and election to the Lake Alfred Public Library, 245 N. Seminole Avenue, Lake Alfred, Florida 33850 at 11:00 a.m. on November 17, 2026, and causing notice thereof to be provided pursuant to Florida law; and

WHEREAS, the Board further desires to amend Resolution 2026-15 to reflect the same.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT:

SECTION 1. Resolution 2026-15 is hereby amended to reflect the re-scheduled time and location for the landowners' meeting and election for the following date, time, and location:

DATE:	November 17, 2026
TIME:	11:00 a.m.
LOCATION:	Lake Alfred Public Library 245 N. Seminole Avenue Lake Alfred, Florida 33850

SECTION 2. The actions of the District Manager and District staff in re-scheduling and noticing the landowners' meeting and election are hereby ratified and approved.

SECTION 3. Notice of these public hearings shall be published and/or has been published in the manner prescribed in Florida law.

SECTION 4. Except as otherwise provided herein, all of the provisions of Resolution 2026-15 continue to be in full force and effect.

SECTION 5. If any provision of this Resolution is held to be illegal or invalid, the other provisions shall remain in full force and effect.

SECTION 6. This Resolution shall become effective upon its passage and shall remain in effect unless rescinded or repealed.

PASSED AND ADOPTED THIS 27 DAY OF OCTOBER, 2026.

ATTEST:

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

_____
Secretary / Assistant Secretary

_____
Chair / Vice Chair, Board of Supervisors

SECTION 5

RESOLUTION 2027-02

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT ADOPTING AN AMENDED ANNUAL MEETING SCHEDULE FOR FISCAL YEAR 2027; RATIFYING STAFF'S ACTIONS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Schaller Preserve Community Development District ("**District**") is a local unit of special-purpose government created and existing pursuant to Chapter 190, *Florida Statutes*, being situated entirely within Polk County, Florida; and

WHEREAS, the District is required by Section 189.015, *Florida Statutes*, to file quarterly, semi-annually, or annually a schedule (including date, time, and location) of its regular meetings with local governing authorities; and

WHEREAS, further, in accordance with the above-referenced statute, the District shall also publish quarterly, semi-annually, or annually the District's regular meeting schedule on a publicly accessible website or in a newspaper of general paid circulation in the county in which the District is located; and

WHEREAS, the Board of Supervisors ("**Board**") desires to adopt an amended meeting schedule for the fiscal year beginning October 1, 2026, and ending September 30, 2027 ("**Fiscal Year 2027**"), attached as **Exhibit A**; and

WHEREAS, the Board also desires to ratify all the actions taken by the District Manager and District staff to notice the amended Fiscal Year 2027 annual meeting schedule in accordance with Section 189.015, *Florida Statutes*.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT:

SECTION 1. The Fiscal Year 2027 amended annual meeting schedule attached hereto and incorporated by reference herein as **Exhibit A** is hereby approved and shall be published in accordance with the requirements of Florida law and also provided to applicable governing authorities.

SECTION 2. The actions of the District Manager and District staff in noticing the Fiscal Year 2027 amended annual meeting schedule in accordance with Section 189.015, *Florida Statutes*, are hereby ratified and approved.

SECTION 3. This Resolution shall become effective immediately upon its adoption.

[*Continued on following page*.]

PASSED AND ADOPTED THIS 27TH DAY OF OCTOBER, 2026.

ATTEST:

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

Secretary / Assistant Secretary

Chair / Vice Chair, Board of Supervisors

Exhibit A: Fiscal Year 2027 Amended Annual Meeting Schedule

EXHIBIT A

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
NOTICE OF MEETINGS FOR FISCAL YEAR 2027

The Board of Supervisors (the "Board") of the Schaller Preserve Community Development District ("District") will hold their regular meetings for Fiscal Year 2027 at the Home2 Suites by Hilton Lakeland North I-4, 3610 Hopewell Avenue, Lakeland, Florida 33809, at 12:30 p.m. on the following dates, unless otherwise indicated as follows:

October 27, 2026
December 15, 2026 (3rd Tuesday)
January 26, 2027
February 23, 2027
March 23, 2027
April 27, 2027
May 25, 2027
June 22, 2027
July 27, 2027
August 24, 2027
September 28, 2027

The meetings will be conducted in accordance with the provision of Florida law for community development districts and will be open to the public. The meetings may be continued in progress without additional notice to a date, time, and place to be specified on the record at the meeting. A copy of the agenda for the meetings may be obtained by contacting the office of the District Manager c/o Governmental Management Services – Central Florida LLC, 219 East Livingston Street, Orlando, Florida 32801; Phone: (407) 841-5524 ("District Manager's Office").

There may be occasions when one or more Board supervisors or staff will participate by speaker telephone. Pursuant to provisions of the Americans with Disabilities Act, any person requiring special accommodations at any meeting because of a disability or physical impairment should contact the District Manager's Office at least three (3) business days prior to the date of the meeting. If you are hearing or speech impaired, please contact the Florida Relay Service at 711, or 1-800-955-8771 (TTY) / 1-800-955- 8770 (Voice), for aid in contacting the District Manager's Office.

A person who decides to appeal any decision made at a meeting is advised that person will need a record of the proceedings and that accordingly, the person may need to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which such appeal is to be based.

District Manager

SECTION 6

PayGOV.US, LLC.
7915 S. Emerson Ave B199
Indianapolis, IN 46237

PAYMENT PROCESSING SERVICES AGREEMENT

THIS PAYMENT PROCESSING SERVICES AGREEMENT (this "**Agreement**") is made and entered into effective _____, 20__ (the "**Effective Date**"), by and between **PayGOV.US**, LLC, a [STATE] limited liability company ("**PGV**"), with its principal address at 7915 S. Emerson Ave B199, Indianapolis, IN 46237, and the Schaller Preserve Community Development District, a local unit of special-purpose government established under Chapter 190, Florida Statutes (the "**District**"), with its principal address at c/o Governmental Management Services – CF, 219 E. Livingston Street, Orlando, FL 32801

1. Services. PGV has designed and developed a payment processing system and internet processing services for governmental entities to enhance the collection of payments and other obligations on a 24/7 basis. PGV will provide the District with online payment acceptance, in-person and telephone payment acceptance (if requested by the District), and the related processing, settlement, and reporting services described in this Agreement (collectively, the "**Services**"), so that the District may accept payment by credit card, charge card, bank debit card, and electronic funds transfer, including by a method for accepting payment online, as required by section 215.322(5), *Florida Statutes*, as amended by chapter 2026-169, Laws of Florida, effective January 1, 2027. A person wanting to pay an obligation owed to the District may do so by logging on to the designated website link, or through any other payment channel the District elects to offer under this Agreement, at no cost to the District. PGV will also provide, upon the District's request, card-swipe or other point-of-sale equipment for onsite payments at no cost to the District. The equipment remains PGV's property, and PGV is responsible for installing, maintaining, updating, and replacing it. Upon expiration or termination of this Agreement, the District will make the equipment available for retrieval by PGV at PGV's expense, and the District is not responsible for ordinary wear and tear.

2. Convenience Fees. PGV will assess the person making the payment (and not the District) a convenience fee equal to 3% of the transaction amount for all POS, online, mobile, or over-the-phone (in office) credit card, charge card, and debit card transactions. A minimum flat convenience fee of $1.00 will apply to any such transaction under $33.00. E-Check (ACH) transactions will be charged a flat fee of $1.00 per transaction to the person making the payment, and not to the District. Before the payer submits any transaction, PGV must clearly disclose the amount of the convenience fee and that it is charged by PGV and not by the District, and must allow the payer to cancel the transaction without charge. The convenience fee is billed separately from the amount owed to the District and is paid directly to and retained by PGV as PGV's sole compensation for the Services. The convenience fee is not an assessment, rate, fee, rental, or other charge imposed by the District, is not revenue of the District, and will not be received or retained by the District or its district manager. PGV is solely responsible for ensuring that the convenience fee, as assessed and disclosed, complies with applicable law and all applicable card network rules. PGV may not increase the convenience fee or impose any new or additional fee, on the District or on payers, without a written amendment to this Agreement approved by the District's Board of Supervisors and signed by both parties.

3. Settlement and Reporting. The Services include timely and accurate transaction processing, next business day reconciliation, and transfer by ACH of the full amount of each payment, without deduction or offset for any convenience fee or other charge, from PGV to the District's designated depository account within [two (2)] business days after the transaction is authorized. All payments PGV receives for obligations owed to the District are the property of the District and are held by PGV in trust for the District. PGV must provide the District and its district manager with online access to transaction-level reporting and a monthly statement identifying, for each transaction, the date, payer, amount paid to the District, convenience fee charged, and any refund, return, or chargeback. PGV may not debit the District's account except to reverse an E-Check transaction that is returned or charged back through the ACH network, and then only after written notice to the District identifying the transaction. At the District's written direction, PGV will process refunds to payers of amounts paid to the District (for example, returned rental deposits), and the District will fund the refunded amount. PGV may not charge the District for processing a refund.

4. Card and Account Verification. Section 215.322(5)(a), *Florida Statutes*, requires the District to verify both the validity of any credit card, charge card, bank debit card, or electronic funds transfer used and the existence of appropriate credit with respect to the person using the card or transfer. PGV will perform that verification on the District's behalf before authorizing each transaction and will not authorize any transaction that fails verification.

5. No Cost to District; Independent Contractor; Confidentiality. PGV will provide the Services to the District during the term of this Agreement, beginning on the Effective Date. PGV agrees the District is not responsible for any compensation for the Services, and the District will not pay any setup, equipment, monthly, minimum, transaction, chargeback, or other fees, or any associated operational costs or local, state, or federal taxes, on behalf of PGV. Nothing in this Agreement requires the District to accept payments exclusively through PGV or to process any minimum volume. PGV accepts and agrees to perform all Services as an independent contractor and not as an employee, agent, or partner of the District, except for the limited authorizations in Section 14. PGV and the District each agree (i) to hold the other party's confidential information in strict confidence; and (ii) not to disclose such information to any third parties without the prior written consent of the disclosing party or as required by law or regulation. PGV acknowledges that the District is subject to Chapter 119, *Florida Statutes*, and that the District's obligations under this Section extend only to information that is confidential or exempt from public disclosure under applicable law. Cardholder, bank-account, and other personal information of payers that PGV receives in performing the Services is confidential information of the District.

6. Indemnification; Chargebacks and Returns. PGV will defend, indemnify, and hold harmless the District and its supervisors, officers, staff, district manager, agents, and employees from and against any credit card transaction disputes, chargebacks, claims, losses, damages, and other expenses, including attorneys' fees and litigation expenses (including at trial and on appeal), suffered or incurred due to PGV's negligence or willful misconduct, any security incident involving payer information in the possession or control of PGV or its processors or subcontractors, PGV's violation of law or card network rules, or PGV's failure to perform any of its obligations under this Agreement. The District agrees to reasonably assist PGV, to the extent permitted by law, with (i) any efforts necessary to facilitate collection of funds from any cardholder to include reinstatement of the obligation owed to the District; and (ii) providing cardholder information pertinent to any inquiry or dispute regarding payment made to the District through the Services. Returned or charged-back ACH (aka E-Check) transactions are excluded from PGV's indemnification of chargebacks under this Section, and the District will reconcile those

transactions, including returns and chargeback transactions, but this exclusion does not limit PGV's obligations for its negligence, willful misconduct, or failure to perform. This Section survives expiration or termination of this Agreement.

7. Standards of Performance; Compliance with Laws; Governing Law. PGV represents that it is qualified to perform the Services, and that all work will be accomplished in a professional and workmanlike manner. PGV agrees to observe and comply with all federal, state, and local laws, and all applicable card network and NACHA operating rules, in performing the Services, including section 215.322, *Florida Statutes*, the Payment Card Industry Data Security Standard ("**PCI DSS**"), and the accessibility requirements of Title II of the Americans with Disabilities Act applicable to the online payment website. This Agreement is governed by the laws of the State of Florida. Venue for any action arising under this Agreement lies exclusively in the state courts located in _____ County, Florida.

8. Data Security; Security Incidents. PGV must maintain PCI DSS compliance throughout the term of this Agreement and must provide the District, upon request, a copy of PGV's current PCI DSS attestation of compliance and that of each processor PGV uses. PGV must use reasonable administrative, technical, and physical safeguards, consistent with industry best practices, to protect cardholder, bank-account, and other personal information of payers, including encryption of that information in transit and at rest. PGV must promptly notify the District in writing if PGV or any of its processors ceases to be PCI DSS compliant. PGV may not access, use, disclose, sell, or share payer information for any purpose other than performing the Services or as required by law, and may not use it for marketing. PGV may retain payer information only as long as necessary to perform the Services, to comply with card network rules, or to comply with Section 2 of Exhibit A (Public Records), and then must securely destroy it. If PGV discovers or is notified of any actual or reasonably suspected breach of security (as defined in section 501.171(1), *Florida Statutes* and any successor statute) or other unauthorized access to payer information in the possession or control of PGV or its processors or subcontractors, PGV must (i) notify the District in writing within 48 hours after discovery or notice; (ii) take all action reasonably necessary to contain, investigate, and remediate it; (iii) cooperate with the District and any law enforcement or regulatory authority, including preserving relevant evidence; (iv) provide the District a written incident report describing the nature and scope of the incident, the information affected, and the remedial actions taken; and (v) to the extent the incident is attributable to the acts or omissions of PGV or its processors or subcontractors, bear the cost of any notices required by law, including under section 501.171, *Florida Statutes*, and provide credit monitoring services for not less than 12 months to affected individuals, at PGV's sole expense. This Section survives expiration or termination of this Agreement.

9. Insurance. PGV must maintain, at its own expense throughout the term of this Agreement, (i) commercial general liability insurance with limits of not less than $[1,000,000] per occurrence and $[2,000,000] in the aggregate; (ii) cyber liability (network security and privacy) insurance, including coverage for breach response costs, with limits of not less than $1,000,000 per claim; and (iii) crime insurance covering employee dishonesty and computer and funds transfer fraud with limits of not less than $1,000,000. PGV must name the District as an additional insured on the commercial general liability policy and must provide the District a certificate of insurance upon execution of this Agreement and upon request.

10. Assignment; Subcontractors. PGV may not assign this Agreement or subcontract the Services without the District's prior written consent, except that PGV may use iStream Financial

Services, Inc. ("**iStream**") as described in Section 14 and the card processors PGV identifies to the District in writing before the Effective Date. PGV remains responsible for the acts and omissions of its subcontractors and processors as if they were PGV's own.

11. District Required Provisions; Order of Precedence. **Exhibit A** (District Required Provisions) is incorporated into and made a part of this Agreement. If this Agreement conflicts with any application, enrollment form, or other document submitted under this Agreement, or with any terms of service, privacy policy, or other terms posted on PGV's website or presented in any click-through or similar form, Exhibit A controls first and this Agreement controls next. No click-through, online, or other terms not attached to this Agreement bind the District, even if accepted by the district manager or another District agent in the course of using the Services.

12. Miscellaneous. Notices under this Agreement must be in writing and delivered by hand, by nationally recognized overnight courier, or by certified mail to the party's address stated in the preamble (or another address given by written notice), with a copy of any notice to the District sent to the District's district manager and District counsel. This Agreement, including its exhibits, is the entire agreement of the parties on its subject matter and supersedes all prior agreements and understandings on that subject matter. This Agreement may be amended only by a writing signed by both parties. If any provision of this Agreement is held unenforceable, the remaining provisions remain in effect. In any action to enforce this Agreement, the prevailing party is entitled to recover its reasonable attorneys' fees and costs, including those incurred on appeal. The District's failure to enforce any provision of this Agreement is not a waiver of that provision. This Agreement has been negotiated by both parties and will not be construed against either party as the drafter. This Agreement may be signed in counterparts and by electronic signature, each of which is an original and all of which together are one instrument.

13. Term and Termination. The initial term of this Agreement begins on the Effective Date and ends on the next September 30 (the end of the District's fiscal year). This Agreement will automatically renew for successive one-year terms beginning each October 1 unless terminated as provided in this Section. The District may terminate this Agreement at any time, with or without cause, on 30 days' written notice to PGV, and immediately upon written notice if PGV breaches this Agreement. PGV may terminate this Agreement only on 90 days' written notice to the District. On expiration or termination, PGV must complete and settle all transactions initiated before the effective date of termination, remit to the District all funds due, reasonably cooperate in transitioning the Services to any successor provider, and comply with Section 2 of Exhibit A (Public Records). Sections 3, 5, 6, 8, and 12 and Exhibit A survive expiration or termination of this Agreement.

14. ACH (E-Check) Processing through iStream. PGV has engaged iStream as a third-party payment processor to facilitate the processing of the District's E-Check payments through the ACH network. Subject to this Section, the District authorizes PGV, as the originator and merchant of record, to submit and sign the application for ACH processing services on behalf of the District to iStream. The District also authorizes PGV to execute and deliver to iStream any required documents on behalf of the District for the purpose of boarding and performing required due diligence of the District under the regulatory framework governing iStream as a third-party payment processor, and to make related procedural changes on behalf of the District to the processing account at iStream as reasonably necessary during the processing relationship. PGV must provide the District's district manager a copy of each application and other document PGV signs on the District's behalf before submitting it, and written notice of any procedural change

within five business days after making it. PGV may not, without the District's prior written approval, (i) agree on the District's behalf to any fee, reserve, guaranty, indemnity, or other financial obligation of the District; (ii) change the District's designated depository account; or (iii) bind the District to any terms inconsistent with this Agreement. These authorizations are limited to the ACH processing services described in this Section and terminate automatically upon expiration or termination of this Agreement.

The District acknowledges and agrees that, as of the Effective Date, iStream is entitled to rely on the authorizations in this Section until the District provides written notice to PGV of their revocation or modification. As between the District and PGV, PGV is responsible for the acts and omissions of iStream as if they were PGV's own, and PGV's obligations under Sections 6 and 8 apply to iStream's acts and omissions. Nothing in this Section makes iStream a third-party beneficiary of this Agreement, waives the District's sovereign immunity, or causes the District to assume any risk or liability for the acts or omissions of PGV or iStream.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective as of the Effective Date.

DISTRICT:

_____ COMMUNITY DEVELOPMENT DISTRICT

By: _____

Name: _____

Title: Chairperson / Vice Chairperson, Board of Supervisors

Date: _____

ATTEST:

_____

Secretary / Assistant Secretary

PGV:

PAYGOV.US, LLC, a [STATE] limited liability company

By: _____

Name: _____

Title: _____

Date: _____

Exhibit A: District Required Provisions

EXHIBIT A
DISTRICT REQUIRED PROVISIONS

1. Sovereign Immunity; No Third-Party Beneficiaries. Nothing in this Agreement waives or limits the District's sovereign immunity or the limits of liability in section 768.28, *Florida Statutes*, or any other statute or law, and nothing in this Agreement is a consent by the District to be sued by third parties in any matter arising out of this Agreement. This Agreement is solely for the benefit of the District and PGV, and no right or cause of action accrues to or for the benefit of any third party.

2. Public Records. PGV understands and agrees that all documents of any kind provided to the District in connection with this Agreement may be public records, and, to the extent PGV is acting on behalf of the District as a contractor within the meaning of section 119.0701, *Florida Statutes*, PGV must comply with Florida's public records laws, including Chapter 119, *Florida Statutes*. Specifically, PGV must: (a) keep and maintain public records required by the District to perform the Services; (b) upon request from the District's custodian of public records, provide the District with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes*, or as otherwise provided by law; (c) ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the term of this Agreement and following its completion if PGV does not transfer the records to the District; and (d) upon completion of this Agreement, transfer to the District, at no cost, all public records in PGV's possession or keep and maintain public records required by the District to perform the Services. If PGV transfers all public records to the District upon completion of this Agreement, PGV must destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If PGV keeps and maintains public records upon completion of this Agreement, PGV must meet all applicable requirements for retaining public records. All records stored electronically must be provided to the District, upon request from the District's custodian of public records, in a format that is compatible with the information technology systems of the District. The District may unilaterally terminate this Agreement if PGV refuses to allow public access to public records as required by law.

IF PGV HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO PGV'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT [TELEPHONE NUMBER], [EMAIL ADDRESS], AND [MAILING ADDRESS].

3. Records and Audit. PGV must keep accurate records of all transactions processed for the District for the longer of five years after the transaction or the period required by the records retention schedules adopted by the Florida Department of State, and must make those records available to the District, its district manager, and its auditors upon reasonable request.

4. E-Verify. PGV must comply with section 448.095, *Florida Statutes*. PGV represents and warrants that it is registered with and uses the E-Verify system to verify the work authorization status of all new employees of PGV. PGV may not subcontract any portion of the Services unless the subcontractor registers with and uses the E-Verify system and provides PGV an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized

alien. PGV must maintain a copy of each affidavit for the duration of this Agreement and provide it to the District upon request. If the District has a good faith belief that PGV has knowingly violated section 448.09(1), *Florida Statutes*, the District will terminate this Agreement as required by section 448.095(5)(c), *Florida Statutes*, and PGV will be liable for any additional costs incurred by the District as a result of the termination. If the District has a good faith belief that a subcontractor knowingly violated section 448.095(5), *Florida Statutes*, but PGV otherwise complied, the District will promptly notify PGV, and PGV must immediately terminate its contract with the subcontractor. PGV represents that no public agency has terminated a contract with PGV under section 448.095(5)(c), *Florida Statutes*, within the year immediately preceding the Effective Date.

5. Scrutinized Companies. PGV certifies that it is not on the Scrutinized Companies or Other Entities that Boycott Israel List created under section 215.4725, *Florida Statutes*, and is not participating in a boycott of Israel. PGV further certifies that it is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in Iran Terrorism Sectors List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List created under section 215.473, *Florida Statutes*, and is not engaged in business operations in Cuba or Syria. Under section 287.135*, Florida Statutes*, the District may terminate this Agreement at its option if PGV is found to have submitted a false certification, has been placed on any of those lists, is participating in a boycott of Israel, or has been engaged in business operations in Cuba or Syria.

6. Foreign Countries of Concern; Access to Personal Identifying Information. PGV acknowledges that this Agreement gives PGV access to individuals' personal identifying information. PGV represents that (a) it is not owned by the government of a foreign country of concern; (b) the government of a foreign country of concern does not have a controlling interest in PGV; and (c) PGV is not organized under the laws of, and does not have its principal place of business in, a foreign country of concern, as those terms are defined in section 287.138, *Florida Statutes*. Before the District executes this Agreement, and before each renewal or extension of this Agreement, PGV must provide the District the affidavit required by section 287.138(4), Florida Statutes, on the form prescribed by the Florida Department of Management Services (currently Form PUR 1355, adopted by Rule 60A-1.020, Florida Administrative Code), together with the affidavit attached as **Exhibit 1**.

7. Anti-Human Trafficking. PGV certifies that neither it nor its principals use coercion for labor or services as defined in section 787.06, *Florida Statutes*. Before the District executes this Agreement, and before each renewal or extension of this Agreement, PGV must provide the District the affidavit required by section 787.06(14), *Florida Statutes*, signed by an officer or representative of PGV under penalty of perjury, in the form attached as Exhibit 1.

8. Foreign Source Disclosure. To the extent section 286.101(3), *Florida Statutes*, applies to this Agreement, PGV must disclose to the District any current or prior interest of, any contract with, or any grant or gift received from a foreign country of concern as required by that section.

EXHIBIT 1
CONTRACTOR AFFIDAVIT

STATE OF _____

COUNTY OF _____

Before me, the undersigned authority, by means of [ ] physical presence or [ ] online notarization, personally appeared _____ ("Affiant"), who, being first duly sworn, deposes and says:

1. Affiant is the _____ [title] of PayGOV.US, LLC ("PGV"), is an officer or representative of PGV, and is authorized to make this affidavit on PGV's behalf. This affidavit is given in connection with the Payment Processing Services Agreement between PGV and the _____ Community Development District (the "District").

2. Anti-Human Trafficking. PGV does not use coercion for labor or services as defined in section 787.06, Florida Statutes.

3. Foreign Countries of Concern. PGV is not owned by the government of a foreign country of concern; the government of a foreign country of concern does not have a controlling interest in PGV; and PGV is not organized under the laws of, and does not have its principal place of business in, a foreign country of concern, as those terms are defined in section 287.138, Florida Statutes.

4. Scrutinized Companies. PGV is not on the Scrutinized Companies or Other Entities that Boycott Israel List, the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in Iran Terrorism Sectors List, or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and is not engaged in business operations in Cuba or Syria.

5. E-Verify. PGV is registered with and uses the E-Verify system to verify the work authorization status of all new employees, as required by section 448.095, Florida Statutes. PGV's E-Verify company identification number is _____.

Under penalties of perjury, I declare that I have read the foregoing affidavit and that the facts stated in it are true.

_____

Signature of Affiant

Printed Name: _____

Title: _____

Sworn to (or affirmed) and subscribed before me by means of [ ] physical presence or [ ] online notarization this ____ day of _____, 20__, by _____, who is [ ] personally known to me or [ ] has produced _____ as identification.

_____

Notary Public, State of _____

Print Name: _____

My Commission Expires: _____

SECTION 7

AGREEMENT FOR TRAFFIC LIGHTING AND SIGNALIZATION

THIS AGREEMENT (the "**Agreement**") is made and entered into this 21st day of August 2026, by and between:

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT, a local unit of special purpose government established pursuant to Chapter 190, *Florida Statutes*, and located in Polk County, Florida, with a mailing address of c/o Governmental Management Services – Central Florida, LLC, 219 East Livingston Street, Orlando, Florida 32801 (the "**District**"); and

MONTOYA ELECTRIC SERVICE, INC., a Florida corporation, with a mailing address of P.O. Box 948, Auburndale, Florida 33823 ("**Contractor**" and together with the District, the "**Parties**").

RECITALS

WHEREAS, the District was established pursuant to the Uniform Community Development District Act of 1980, Chapter 190, *Florida Statutes*, as amended, for the purpose of planning, financing, constructing, operating and/or maintaining certain infrastructure; and

WHEREAS, the District has a need to retain an independent contractor to provide materials, labor, and other services necessary for traffic lighting and signalization, as more particularly described in **Exhibit A** and **Exhibit B**, respectively, attached hereto and incorporated by reference herein (together, the "**Services**"), and in accordance with the design plans set forth in **Exhibit C**, attached hereto and incorporated by reference herein ("**Plans**"); and

WHEREAS, Contractor represents and warrants that it is qualified, capable, and willing to provide the Services and the District desires to enter into this Agreement with Contractor for the same; and

WHEREAS, the District and Contractor warrant and agree that they have all right, power and authority to enter into and be bound by this Agreement.

NOW, THEREFORE, in consideration of the recitals, agreements, and mutual covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Parties, the Parties agree as follows:

SECTION 1. RECITALS. The recitals so stated are true and correct and by this reference are incorporated into and form a material part of this Agreement.

SECTION 2. DUTIES.

A. The duties, obligations, and responsibilities of Contractor are to provide the construction materials, labor, experience and services for the Services as described at **Exhibit A** and **Exhibit B**, and in accordance with the Plans attached as **Exhibit C**. To

the extent any of the provisions of this Agreement conflict with the provisions of the Exhibits attached hereto, this Agreement controls.

B. At all times Contractor agrees to coordinate its Services with the District, through its designee, Rodney Gadd (the "**District Engineer**"). Such coordination includes, but is not limited to, scheduling deliveries of materials, start and end of the workday, clean-up, inspections, and other reasonable requests. Contractor shall notify the District Engineer in writing immediately upon recognizing any potential for a delay delivering the Services caused by itself or another contractor. Contractor must coordinate the Services with others performing work for the District as may be necessary to successfully and safely complete the Services or as the District directs.

C. Contractor shall commence the Services on a date to be agreed with the District Engineer and shall perform the Services in accordance with the schedule of work attached hereto as **Exhibit D**.

(i) *Contract Times*. The Services will be substantially complete within 245 calendar days after the date of execution of the Agreement and will be ready for Final Completion, as defined herein, within 275 calendar days after the date of execution of the Agreement. Substantial Completion shall mean the time at which the Services have progressed to the point where, in the opinion of the District Engineer, the Services are sufficiently complete, in accordance with the Agreement and its Exhibits, and available for inspection by all applicable governmental agencies having jurisdiction over the Services, so that the Services can be utilized for the purposes for which they are intended. All calendar day durations stated above shall be inclusive of time necessary for shop drawing preparation, review and approval, and procurement, fabrication, and delivery of all materials required for completion of the Services. No adjustment to the Contract Times shall be made for such activities, except to the extent Contractor demonstrates that a delay was caused solely by the District's failure to review and provide a response to required submittal materials or as otherwise expressly provided below or in **Exhibit E** attached hereto. The Parties agree that no liquidated damages shall be assessed for any adjustment to the Contract Times permitted as described herein.

(ii) *Delays in Contractor's Progress*. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of the District, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this Section include only the following:

(1) Severe and unavoidable acts of God or natural catastrophes such as fires, floods, and earthquakes;

(2) Abnormal weather conditions: defined as the occurrence of one or more of the following conditions within a twenty-four (24) hour day that prevents construction activity exposed to weather conditions or access to the site: (a) precipitation (rain, snow, or ice) in excess of one-half inch (0.5") liquid measure; or (b) sustained wind in excess of twenty-five miles per hour (25 m.p.h.). Contractor must document such adverse weather and notify the District promptly of its occurrence of any abnormal weather conditions. A time-extension entitlement for such weather days remains limited to days on which precipitation actually prevents critical-path work for a minimum of four (4) hours;

(3) Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the property as arranged by or under contract with the District); and

(4) Acts of war or terrorism.

Contractor must submit any change proposal seeking an equitable adjustment in the Contract Times under this section within ten (10) days of the damaging, delaying, disrupting, or interfering event, or such claim shall be waived. Contractor shall be required to prove that any abnormal weather conditions, including those associated with a named tropical storm, are in excess of normal rainfall amounts or other normal weather conditions, and must provide such documentation of unusually severe weather as the District Engineer deems reasonably necessary. Such documentation shall be submitted to the District Engineer and the District, supporting such weather days, within seventy-two (72) hours of said event or any adjustment of time or costs will be deemed waived. Normal seasonal adverse weather typical for the geographic area of the Services, including heavy rain shall not be deemed as causing any delays for the Services.

In no event shall the District or the District Engineer be liable to Contractor, any subcontractor, any supplier, or any other person or organization, or to any surety or employee or any agent of them, for damages, including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs, arising out of or resulting from:

a. delays caused by or within the control of Contractor (or subcontractor or supplier); or

b. delays beyond the control of both the District and Contractor, including, but not limited to, fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by utility owners or other contractors performing other work;

Nor shall the District or the District Engineer of each of them be liable to Contractor for any claims, costs, losses or damages sustained by Contractor on or in connection with any other project or anticipated project.

Except for an adjustment to the Contract Times, Contractor shall not be entitled to and hereby waives any and all damages that it may suffer by reason of delay or for any Act of God and waives all damages that it may suffer by reason of such delay including but not limited to lost profits, overhead, and other consequential damages. No payment of any claim for damages shall be made to Contractor as compensation for damages for any delays or hindrances that are avoidable by Contractor.

(iii) *Final Completion*. Upon notice from Contractor that the Services are complete, the District Engineer will promptly make a final inspection and will notify Contractor of all particulars in which this inspection reveals that the Services are incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Services and remedy such defects. Final payment shall not be released until all corrective work is completed and the District Engineer has signed off that the Services are complete as required under this Agreement ("**Final Completion**").

D. Contractor shall perform all Services in a neat and workmanlike manner and shall use industry best practices and procedures when carrying out the Services. In the event the District in its sole determination, finds that the work of Contractor is not satisfactory to the District, the District shall have the right to immediately terminate this Agreement and will only be responsible for payment of work satisfactorily completed and for materials actually incorporated into the Services, subject to any setoffs.

E. Contractor shall be solely responsible for the means, manner and methods by which its duties, obligations and responsibilities are met to the satisfaction of the District. While providing the Services, Contractor shall assign such experienced staff as may be required, and such staff shall be responsible for coordinating, expediting, and controlling all aspects of the Services to ensure efficient and full completion.

F. Contractor shall be fully responsible for all acts and omissions of Contractor's employees; of suppliers and subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Services. Contractor's retention of a subcontractor or supplier for the performance of parts of the Services will not relieve Contractor's obligation to the District to perform and complete the Services in accordance with this Agreement.

G. Should any work and/or services be required which are not specified in this Agreement or any addenda, but which are nevertheless necessary for the proper provision of the Services to the District, such work or services shall be fully performed by Contractor

as if described and delineated in this Agreement without additional compensation provided therefor. Notwithstanding the foregoing, if Contractor is directed to perform additional work and/or services that are outside the scope of services described at **Exhibit A** and **Exhibit B** and contemplated in this Agreement, the Parties agree to negotiate in good faith for Contractor to undertake the additional work and/or services. Contractor shall be compensated for such agreed additional work and/or services based upon a payment amount derived from the prices set forth in **Exhibit A** or **Exhibit B**, as applicable, or, if no payment amount is specified in **Exhibit A** or **Exhibit B**, as applicable, a payment amount agreed to by the Parties.

H. Contractor agrees that the District shall not be liable for the payment of any additional services unless the District, through an authorized representative of the District, authorizes Contractor, in writing, to perform such additional services.

I. Contractor shall use all due care to protect the property of the District, its residents, and landowners from damage. Contractor agrees to complete repair of any damage resulting from Contractor's activities within twenty-four (24) hours in instances affecting health, safety or welfare, and otherwise within five (5) calendar days.

J. Contractor keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Agreement. At completion of the Services, Contractor shall remove from the site waste materials, rubbish, tools, construction equipment, machinery and surplus materials. If Contractor fails to clean up as provided herein, the District may do so, and the cost thereof shall be charged to Contractor and may be applied as an offset to the final payment to Contractor.

K. Execution of this Agreement by Contractor is a representation that Contractor has visited the site, become generally familiar with local conditions under which the Services are to be performed, and correlated personal observations with requirements of Agreement. Contractor shall, before starting the Services, carefully study and compare the various requirements relative to the Services to be performed and the limited information furnished by the District, shall observe any conditions at the site affecting it, and shall promptly report any errors, inconsistencies or omissions discovered by or made known to Contractor. These obligations are for the purpose of facilitating coordination and construction by Contractor and are further for the purpose of discovering errors, omissions, or inconsistencies that may be present and generally discoverable. It is recognized that Contractor's review is made in Contractor's capacity as a contractor and not as a licensed design professional. Contractor shall not be responsible or liable for concealed, latent, or subsurface conditions at or affecting the Services to be performed that are unknown and that could not reasonably have been identified through Contractor's pre-bid site inspection, or that materially differ from the conditions represented in the Agreement and its Exhibits. Contractor shall be entitled to an equitable adjustment only to the extent the District determines that such concealed conditions materially affect the price of the Services or Contract Times. Any adjustment shall be limited to actual costs directly attributable to the concealed condition. Contractor shall continue performance of the Services pending the District's

review and determination, unless directed otherwise by the District and subject to safety and protection safeguards.

SECTION 3. COMPENSATION.

A. As compensation for the lighting portion of the Services, the District agrees to pay Contractor **One Hundred Sixteen Thousand, One Hundred Fifty-Seven Dollars and Thirty-Six Cents ($116,157.36)**, as identified in **Exhibit A** attached hereto, to be invoiced in monthly progress payments for completed Services, or portions thereof.

B. As compensation for the signalization portion of the Services, the District agrees to pay Contractor **Two Hundred Sixteen Thousand, Six Hundred Seventy-Five Dollars and Thirty Cents ($216,675.30)**, as identified in **Exhibit B** attached hereto, to be invoiced in monthly progress payments for completed Services, or portions thereof.

C. Such amounts include all materials and labor provided for in **Exhibit A** and **Exhibit B**, and all items, labor, materials, or otherwise to provide the District the maximum benefits of the Services. The lump sum bid price above shall not be subject to any adjustments except as set forth in Addendum No. 1 attached hereto at **Exhibit E**. Final payment shall not be construed to mean acceptance of defective work or improper materials. Contractor shall maintain records conforming to usual accounting practices.

D. Contractor shall submit signed applications for payment to the District Engineer monthly, in a form acceptable to the District Engineer. Contractor shall provide supporting documentation as is reasonably required to support the payment application. The District will pay for Services completed as of the date of the application for payment. All payments and invoices shall be subject to Florida's Local Government Prompt Payment Act, Sections 218.70 through 218.80, *Florida Statutes*, and the District's adopted *Prompt Payment Policies and Procedures*. The invoice shall contain, at a minimum, the District's name, Contractor's name, the invoice date, an invoice number, an itemized listing of all costs billed on each invoice with a sufficient description of each, the timeframe within which the Services were provided, and the address or bank information to which payment is to be remitted. All payments due and not made within the time prescribed by Section 218.735, *Florida Statutes*, shall bear interest from thirty (30) days after the due date at the rate of one percent (1%) per month on the unpaid balance in accordance with Section 218.74, *Florida Statutes*.

E. Beginning with the second application for payment, each application must include an affidavit of Contractor stating that all previous progress payments have been applied to discharge Contractor's obligations associated with the prior applications for payment.

F. The District shall retain five percent (5%) of each progress payment until the Services are Substantially Complete. Release of retainage shall be made with the final payment upon Final Completion, subject to any set-offs the District may have, and after final acceptance by Polk County. Procedures for withholding and release of retainage shall

be in accordance with Florida law, including Sections 218.735 and 255.078, *Florida Statutes*.

G. If the District should desire additional work or services, Contractor agrees to negotiate in good faith to undertake such additional work or services. Upon successful negotiations, the Parties shall agree in writing to an addendum, addenda, or change order(s) to this Agreement. Contractor shall be compensated for such agreed additional work or services based upon a payment amount acceptable to the Parties and agreed to in writing.

H. The District may require, as a condition precedent to making any payment to Contractor, that all subcontractors, material men, suppliers or laborers be paid and require evidence, in the form of Lien Releases or partial Waivers of Lien, to be submitted to the District by those subcontractors, material men, suppliers or laborers, and further require that Contractor provide an Affidavit relating to the payment of said indebtedness. Further, the District shall have the right to require, as a condition precedent to making any payment, evidence from Contractor, in a form satisfactory to the District, that any indebtedness of Contractor, as to services to the District, has been paid and that Contractor has met all of the obligations with regard to the withholding and payment of taxes, Social Security payments, Workmen's Compensation, Unemployment Compensation contributions, and similar payroll deductions from the wages of employees.

SECTION 4. WARRANTY. Contractor warrants to the District that all materials furnished under this Agreement shall be new, and that all services and materials shall be of good quality, free from faults and defects, and will conform to the standards and practices for projects of similar design and complexity in an expeditious and economical manner consistent with the best interest of the District. In addition to all manufacturer warranties for materials purchased for purposes of this Agreement, which Contractor shall assign to the District as necessary to give the District the benefit of said warranties, all Services provided by Contractor pursuant to this Agreement shall be warranted for labor and workmanship for one (1) year from the date of acceptance of the Services by the District. Contractor shall replace or repair warranted items to the District's satisfaction and in the District's discretion. Neither final acceptance of the Services, nor final payment therefore, nor any provision of the Agreement shall relieve Contractor of responsibility for defective or deficient materials or Services. If any of the materials or Services are found to be defective, deficient or not in accordance with the Agreement, Contractor shall correct, remove and replace it promptly after receipt of a written notice from the District and correct and pay for any other damage resulting therefrom to District property or the property of landowners within the District. Any claim under Contractor's warranties must be submitted in writing within twelve (12) months of the District's acceptance of the Services.

SECTION 5. BONDS.

A. When Contractor delivers the signed Agreement, Contractor shall also deliver a performance bond and payment bond to the District in the amount of one hundred percent (100%) of the Contract Price. Contractor must provide a certified copy of the

recorded bonds before commencing the Services or before recommencing the Services after a default or abandonment. Each bond must be in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Agreement.

B. Each bond shall be on a District-approved form and the payment bond shall contain the following language: "This Bond is hereby amended so that the provisions and limitations of Section 255.05, *Florida Statutes*, including without limitation subsection (6) and the notice and time limitation provisions in subsections (2) and (10), or Sections 713.23 and 713.245, *Florida Statutes*, whichever are applicable, are incorporated by reference herein."

C. Contractor shall be solely responsible for ensuring that any and all bonding requirements imposed by Polk County as a condition of its acceptance of the completed Services are fully satisfied, at no additional cost to the District.

SECTION 6. TERMINATION.

A. The District agrees that Contractor may terminate this Agreement with cause by providing ten (10) days' written notice of termination to the District stating a failure of the District to perform according to the terms of this Agreement; provided, however, that the District shall be provided ten (10) days to cure any failure under this Agreement, or if the alleged failure cannot reasonably be cured within ten (10) days, the District shall commence cure within that period and diligently pursue completion.

B. Contractor agrees that the District may terminate this Agreement immediately for cause by providing written notice of termination to Contractor. Contractor's failure to perform the Services in accordance with this Agreement or other failure to comply with a material term of the Agreement will constitute a default by Contractor and justify termination for cause. The District shall provide ten (10) days' written notice of termination without cause.

(i) Subject to the terms and operation of any applicable performance bond, if the District has terminated this Agreement for cause, the District may exclude Contractor from the project site, take possession of the project, incorporate in the project all materials and equipment stored at the site or for which the District has paid Contractor but which are stored elsewhere, and complete the Services as the District may deem expedient.

(ii) In the case of a termination for cause, if the cost to complete the Services, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to the District.

C. Upon any termination of this Agreement, Contractor shall be entitled to payment for all work, materials, and/or services rendered up until the effective termination of this Agreement, subject to whatever claims or off-sets the District may have against

Contractor. Contractor shall not be paid for any loss of anticipated profits, or revenue, post-termination overhead costs, consequential damages of any kind, or other economic loss arising out of or resulting from such termination.

SECTION 7. INSURANCE.

A. Contractor shall maintain throughout the term of this Agreement the following insurance:

(1) Worker's Compensation Insurance in accordance with the laws of the State of Florida.

(2) Commercial General Liability Insurance covering Contractor's legal liability for bodily injuries, with limits of not less than $1,000,000 combined single limit bodily injury and property damage liability, and covering at least the following hazards:

(i) Independent Contractors Coverage for bodily injury and property damage in connection with any subcontractors' operation.

(3) Employer's Liability Coverage with limits of at least $1,000,000 (one million dollars) per accident or disease.

(4) Automobile Liability Insurance for bodily injuries in limits of not less than $1,000,000 combined single limit bodily injury and for property damage, providing coverage for any accident arising out of or resulting from the operation, maintenance, or use by Contractor of any owned, non-owned, or hired automobiles, trailers, or other equipment required to be licensed.

B. The District and its officers, supervisors, agents, managers, counsel, engineers, staff and representatives (together, "**Additional Insureds**") shall be named as additional insured parties on the Commercial General Liability and Automobile Liability policies. Contractor shall furnish the District with a Certificate of Insurance evidencing compliance with this requirement prior to commencing the Services. No certificate shall be acceptable to the District unless it provides that any change or termination within the policy periods of the insurance coverage, as certified, shall not be effective within thirty (30) days of prior written notice to the District. Insurance coverage shall be from a reputable insurance carrier, licensed to conduct business in the State of Florida, shall be considered primary and non-contributory with respect to the Additional Insureds, and shall be endorsed to provide for a waiver of underwriter's rights of subrogation in favor of the Additional Insureds.

C. If Contractor fails to have secured and maintained the required insurance, the District has the right but not the obligation to secure such required insurance in which event Contractor shall pay the cost for that required insurance and shall furnish, upon demand, all information that may be required in connection with the District's

obtaining the required insurance.

D. Contractor shall be solely responsible for ensuring all insurance coverages, certificates, and other insurance-related requirements imposed by Polk County as a condition of its acceptance of the completed Services are satisfied, at no additional cost to the District. Upon request, Contractor shall furnish the District with evidence demonstrating compliance with such requirements.

SECTION 8. INDEMNIFICATION.

A. To the fullest extent permitted by law, and in addition to any other obligations of Contractor under this Agreement or otherwise, Contractor shall indemnify, hold harmless, and defend the District and its officers, supervisors, agents, managers, counsel, engineers, staff and representatives (together, "**Indemnitees**"), from all claims, liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused, in part or in whole, by (i) the negligent, reckless, or intentionally wrongful misconduct of Contractor, or any employee, agent, subcontractor, or any individual or entity directly or indirectly employed or used by any of them to perform any of the Services, (ii) Contractor's negligent performance of, or failure to perform, Contractor's obligations pursuant to this Agreement or any Services or Contractor's performance of any activities in connection therewith, and (iii) any breach of any warranty, representation, covenant, or agreement made by Contractor in this Agreement or any Services.

B. To the extent a limitation is required by law, the obligations under this section shall be limited to no more than Two Million Dollars ($2,000,000.00), which amount the District and Contractor agree bears a reasonable commercial relationship to this Agreement. Nothing in this section is intended to waive or alter any other remedies that the District may have as against Contractor.

C. Obligations under this section shall include the payment of all settlements, judgments, damages, liquidated damages, penalties, forfeitures, back pay awards, court costs, arbitration and/or mediation costs, litigation expenses, attorneys' fees, paralegal fees (incurred in court, out of court, on appeal, or in bankruptcy proceedings), any interest, expenses, damages, penalties, fines, or judgments against the District. Nothing in this Agreement is intended to waive or alter any other remedies that the District may have as against Contractor. The provisions of this Section 8 are independent of, and will not be limited by, any insurance required to be obtained by Contractor pursuant to this Agreement or otherwise obtained by Contractor, and the provisions of this Section 8 survive the expiration or earlier termination of this Agreement with respect to any claims or liability arising in connection with any event occurring prior to such expiration or termination.

D. Contractor shall ensure that all subcontracts related to the Services include this section for the benefit of the Indemnitees. Nothing herein shall require Contractor to indemnify the District for the District's own negligence.

SECTION 9. TAX EXEMPT DIRECT PURCHASES. The Parties agree that the District may in its sole discretion elect to undertake a direct purchase of any or all materials incorporated into the work performed according to the Agreement. In such event, the following conditions shall apply:

A. The District represents to Contractor that the District is a governmental entity exempt from Florida sales and use tax and has provided Contractor with a copy of its Consumer Exemption Certificate.

B. The District may elect to implement a direct purchase arrangement whereby the District will directly acquire certain materials ("**Direct Purchase Materials**") necessary for the work directly from the suppliers to take advantage of District's tax-exempt status.

C. Prior to purchasing any materials, Contractor shall contact the District to determine which materials will be treated as Direct Purchase Materials and verify the exact manner, method, and requirements for acquiring any such Direct Purchase Materials.

D. The District shall issue a Certificate of Entitlement to each supplier of Direct Purchase Materials, and to Contractor. Each Certificate of Entitlement will be in the format specified by Rule 12A-1.094(4)(c), Florida Administrative Code. Each Certificate of Entitlement shall have attached thereto the corresponding purchase order. Each Certificate of Entitlement shall affirm that (1) the attached purchase order is being issued directly to the vendor supplying the tangible personal property Contractor will use in the identified public works; (2) the vendor's invoice will be issued directly to the District; (3) payment of the vendor's invoice will be made directly by the District to the vendor from public funds; (4) the District will take title to the tangible personal property from the vendor at the time of purchase or of delivery by the vendor; and (5) the District assumes the risk of damage or loss at the time of purchase or delivery by the vendor. Each Certificate of Entitlement shall acknowledge that if the Department of Revenue determines the purchase is not a tax-exempt purchase by a governmental entity, then the governmental entity will be responsible for any tax, penalties and interest determined to be due.

E. The District shall issue purchase orders directly to suppliers of Direct Purchase Materials. The District shall issue a separate Certificate of Entitlement for each purchase order. Such purchase orders shall require that the supplier provide the required shipping and handling insurance and provide for delivery F.O.B. jobsite. Corresponding change orders shall be executed at the time of the direct purchase to reflect the direct purchases made by the District and if the original contract contemplated sale of materials and installation by same person, the change order shall reflect sale of materials and installation by different legal entities.

F. Upon delivery of the Direct Purchase Materials to the jobsite, the District shall inspect the materials and invoices to determine that they conform to the purchase order. If the materials conform, the District shall accept and take title to the Direct Purchase Materials.

G. Suppliers shall issue invoices directly to the District. The District shall process invoices and issue payment directly to the suppliers from public funds.

H. Upon acceptance of Direct Purchase Materials, the District shall assume risk of loss of same until they are incorporated into the project. Contractor shall be responsible for safeguarding all Direct Purchase Materials and for obtaining and managing all warranties and guarantees for all materials and products.

I. The District shall, at its option, maintain builder's risk insurance on the Direct Purchase Materials.

SECTION 10. LIMITATIONS ON GOVERNMENTAL LIABILITY. Nothing in this Agreement shall be deemed as a waiver of the District's sovereign immunity or the District's limits of liability as set forth in Section 768.28, *Florida Statutes* or other law, and nothing in this Agreement shall inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under such limitations of liability or by operation of law.

SECTION 11. COMPLIANCE WITH GOVERNMENTAL REGULATION. In performing its obligations under this Agreement, Contractor and each of its employees, agents, subcontractors or anyone directly or indirectly employed by Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public or governmental authority having appropriate jurisdiction, including all laws, regulations and rules relating to immigration and/or the status of foreign workers. Contractor shall initiate, maintain, and supervise all safety precautions and programs in connection with its obligations herein. Contractor shall ensure that all of Contractor's employees, agents, subcontractors or anyone directly or indirectly employed by Contractor observe Contractor's rules and regulations of safety and conduct. Contractor shall take all reasonable precautions for the safety of and shall provide all reasonable protection to prevent damage, injury or loss to all its employees, agents and subcontractors performing its obligations herein and other persons who may be affected, and any material, equipment and other property. Contractor shall remedy all damage or loss to any property caused in whole or in part by Contractor, its employees, agents, subcontractors or anyone directly or indirectly employed by Contractor, or by anyone for whose acts Contractor may be liable. Contractor shall indemnify District for all damage or losses it may incur or be exposed to because of Contractor or any of its employees, agents, subcontractors or anyone directly or indirectly employed by Contractor's failure to comply with the provisions contained herein.

SECTION 12. LIENS AND CLAIMS. Contractor shall promptly and properly pay for all labor employed, materials purchased, and equipment hired by it to perform under this Agreement. To the extent the District has properly compensated Contractor, Contractor shall keep the District's property free from any materialmen's or mechanic's liens and claims or notices in respect to such liens and claims, which arise by reason of Contractor's performance under this Agreement, and Contractor shall immediately discharge any such claim or lien. In the event that Contractor does not pay or satisfy such claim or lien within three (3) business days after the filing of notice thereof, the District, in addition to any and all other remedies available under this Agreement, may terminate this Agreement to be effective immediately upon the giving of notice of termination.

SECTION 13. NO THIRD-PARTY BENEFICIARIES. This Agreement is solely for the benefit of the formal Parties herein and no right or cause of action shall accrue upon or by reason hereof, to or for the benefit of any third party not a formal party hereto. Nothing in this Agreement expressed or implied is intended or shall be construed to confer upon any person or corporation other than the Parties hereto any right, remedy or claim under or by reason of this Agreement or any provisions or conditions hereof; and all of the provisions, representations, covenants and conditions herein contained shall inure to the sole benefit of and shall be binding upon the Parties hereto and their respective representatives, successors and assigns.

SECTION 14. SUBCONTRACTORS. Contractor shall not award any of the Services to any subcontractor without prior written approval of the District. Contractor shall be as fully responsible to the District for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as Contractor is for the acts and omissions of persons directly employed by Contractor. Nothing contained herein shall create contractual relations between any subcontractor and the District.

SECTION 15. PERMITS AND LICENSES. Contractor shall obtain any electrical permits necessary for the Services. Any other permits necessary for the project described herein shall be paid for and obtained by the District. All professional licenses necessary for Contractor to perform under this Agreement shall be obtained and paid for by Contractor.

SECTION 16. ASSIGNMENT. Neither the District nor Contractor may assign this Agreement without the prior written approval of the other. Any purported assignment without such approval shall be void.

SECTION 17. INDEPENDENT CONTRACTOR. It is understood and agreed that at all times the relationship of Contractor and its employees, agents, subcontractors or anyone directly or indirectly employed by Contractor to the District is the relationship of an independent contractor and not that of an employee, agent, joint venturer or partner of the District. Nothing in this Agreement shall be interpreted or construed as creating or establishing the relationship of employer and employee between the District and Contractor or any of its employees, agents, subcontractors or anyone directly or indirectly employed by Contractor. The Parties acknowledge that Contractor is not an employee for state or federal tax purposes. Contractor shall hire and pay all of Contractor's employees, agents, subcontractors or anyone directly or indirectly employed by Contractor, all of whom shall be employees of Contractor and not employees of District and at all times entirely under Contractor's supervision, direction and control.

In particular, the District will not: i) withhold FICA (Social Security) from Contractor's payments; ii) make state or federal unemployment insurance contributions on Contractor's behalf; iii) withhold state or federal income tax from payment to Contractor; iv) make disability insurance contributions on behalf of Contractor; or v) obtain workers' compensation insurance on behalf of Contractor.

SECTION 18. ENFORCEMENT OF AGREEMENT. In the event that either the District or Contractor is required to enforce this Agreement by court proceedings or otherwise, then the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable

attorneys' fees and costs for trial, alternative dispute resolution, or appellate proceedings.

SECTION 19. CONTROLLING LAW AND VENUE. This Agreement and the provisions contained in this Agreement shall be construed, interpreted, and controlled according to the laws of the State of Florida. All actions and disputes shall be brought in the proper court and venue, which shall be Polk County, Florida.

SECTION 20. AGREEMENT; AMENDMENTS. This instrument shall constitute the final and complete expression of this Agreement between the District and Contractor relating to the subject matter of this Agreement. Amendments to and waivers of the provisions contained in this Agreement may be made only by an instrument in writing which is executed by both the District and Contractor.

SECTION 21. PUBLIC RECORDS. Contractor understands and agrees that all documents of any kind provided to the District in connection with this Agreement may be public records, and, accordingly, Contractor agrees to comply with all applicable provisions of Florida law in handling such records, including, but not limited, to Section 119.0701, *Florida Statutes*. Contractor acknowledges that the designated public records custodian for the District is **Governmental Management Services – Central Florida, LLC** ("**Public Records Custodian**"). Among other requirements and to the extent applicable by law, Contractor shall 1) keep and maintain public records required by the District to perform the service; 2) upon request by the Public Records Custodian, provide the District with the requested public records or allow the records to be inspected or copied within a reasonable time period at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes*; 3) ensure that public records which are exempt or confidential, and exempt from public records disclosure requirements, are not disclosed except as authorized by law for the duration of the contract term and following the contract term if Contractor does not transfer the records to the Public Records Custodian of the District; and 4) upon completion of the contract, transfer to the District, at no cost, all public records in Contractor's possession or, alternatively, keep, maintain and meet all applicable requirements for retaining public records pursuant to Florida laws. When such public records are transferred by Contractor, Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the District in a format that is compatible with Microsoft Word or Adobe PDF formats.

IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, *FLORIDA STATUTES*, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (407) 841-5524, JBURNS@GMSCFL.COM, OR 219 EAST LIVINGSTON STREET, ORLANDO, FLORIDA 32801.

SECTION 22. E-VERIFY. Contractor shall comply with and perform all applicable provisions of Section 448.095, *Florida Statutes*. Accordingly, to the extent required by Florida Statute, Contractor shall register with and use the United States Department of Homeland

Security's E-Verify system to verify the work authorization status of all newly hired employees and shall comply with all requirements of Section 448.095, *Florida Statutes*, as to the use of subcontractors. The District may terminate the Agreement immediately for cause if there is a good faith belief that Contractor has knowingly violated Section 448.09(1), *Florida Statutes*. By entering into this Agreement, Contractor represents that no public employer has terminated a contract with Contractor under Section 448.095(5)(c), *Florida Statutes*, within the year immediately preceding the date of this Agreement.

SECTION 23. AUTHORIZATION. The execution of this Agreement has been duly authorized by the appropriate body or official of the District and Contractor, both the District and Contractor have complied with all the requirements of law, and both the District and Contractor have full power and authority to comply with the terms and provisions of this Agreement.

SECTION 24. NOTICES. All notices, requests, consents and other communications under this Agreement (each, a "**Notice**" and collectively, "**Notices**") shall be in writing and shall be hand delivered, mailed by First Class Mail, postage prepaid, or sent overnight delivery service, to the Parties, as follows:

A. **If to the District:** Schaller Preserve Community Development District
c/o Governmental Management Services – CF, LLC
219 East Livingston Street
Orlando, Florida 32801
Attn: District Manager

With a copy to: Kilinski | Van Wyk PLLC
517 East College Avenue
Tallahassee, Florida 32301
Attn: District Counsel

B. **If to Contractor:** Montoya Electric Service, Inc.
P.O. Box 948
Auburndale, Florida 33823
Attn: _____

Except as otherwise provided in this Agreement, any Notice shall be deemed received only upon actual delivery at the address set forth above. Notices delivered after 5:00 p.m. (at the place of delivery) or on a non-business day, shall be deemed received on the next business day. If any time for giving Notice contained in this Agreement would otherwise expire on a non-business day, the Notice period shall be extended to the next succeeding business day. Saturdays, Sundays, and legal holidays recognized by the United States government shall not be regarded as business days. Counsel for District and counsel for Contractor may deliver Notice on behalf of the District and Contractor. Any party or other person to whom Notices are to be sent or copied may notify the other Parties and addressees of any change in name or address to which Notices shall be sent by providing the same on five (5) days' written notice to the Parties and addressees set forth in this Agreement.

SECTION 25. SEVERABILITY. The invalidity or unenforceability of any one or more provisions of this Agreement shall not affect the validity or enforceability of the remaining portions of this Agreement, or any part of this Agreement not held to be invalid or unenforceable.

SECTION 26. HEADINGS FOR CONVENIENCE ONLY. The descriptive headings in this Agreement are for convenience only and shall neither control nor affect the meaning or construction of any of the provisions of this Agreement.

SECTION 27. COUNTERPARTS. This Agreement may be executed in any number of counterparts, each of which when executed and delivered shall be an original; however, all such counterparts together shall constitute but one and the same instrument.

SECTION 28. NEGOTIATION AT ARM'S LENGTH. This Agreement has been negotiated fully between the Parties as an arm's length transaction. The Parties participated fully in the preparation of this Agreement with the assistance of their respective counsel. In the case of a dispute concerning the interpretation of any provision of this Agreement, the Parties are each deemed to have drafted, chosen, and selected the language, and any doubtful language will not be interpreted or construed against any party.

SECTION 29. SCRUTINIZED COMPANIES STATEMENT. In accordance with Section 287.135, *Florida Statutes*, Contractor represents that in entering into this Agreement, neither it nor any of its officers, directors, executives, partners, shareholders, members, or agents is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Terrorism Sectors List, or the Scrutinized Companies or Other Entities that Boycott Israel List created pursuant to Sections 215.4725 and 215.473, *Florida Statutes*, and in the event such status changes, Contractor shall immediately notify the District. If Contractor is found to have submitted a false statement, has been placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Terrorism Sectors List, or has been engaged in business operations in Cuba or Syria, or is now or in the future on the Scrutinized Companies or Other Entities that Boycott Israel List, or engaged in a boycott of Israel, the District may immediately terminate this Agreement.

SECTION 30. PUBLIC ENTITY CRIMES. Pursuant to Section 287.133(3)(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, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies 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 s. 287.017 for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.

Contractor represents that in entering into this Agreement, Contractor has not been placed

on the convicted vendor list within the last 36 months and, in the event that Contractor is placed on the convicted vendor list, Contractor shall immediately notify the District whereupon this Agreement may be terminated by the District.

SECTION 31. ANTI-HUMAN TRAFFICKING REQUIREMENTS. Contractor certifies, by acceptance of this Agreement, that neither it nor its principals utilize coercion for labor or services as defined in Section 787.06, *Florida Statutes*. Contractor agrees to execute an affidavit in compliance with Section 787.06(14), *Florida Statutes*, and acknowledges that if Contractor refuses to sign said affidavit, the District may terminate this Agreement immediately.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement the day and year first above written.

SCHALLER PRESERVE
COMMUNITY DEVELOPMENT DISTRICT

Chairperson, Board of Supervisors

MONTOYA ELECTRIC SERVICE, INC.

By: Tricia M. Cox
Its: CEO

EXHIBIT A: Contractor's Lighting Proposal
EXHIBIT B: Contractor's Signalization Proposal
EXHIBIT C: Plans
EXHIBIT D: Schedule of Work
EXHIBIT E: Addendum No. 1

EXHIBIT A
Contractor's Lighting Proposal

Montoya Electric Service, Inc.

PO Box 948
Auburndale, FL 33823
ofc 863-967-9432

DATE
6/8/2026

LIGHTING PROPOSAL

PROJECT #	Revision
PROJECT LOCATION:	Saddle Creek @ Tenoroc

ITEM	DESCRIPTION	QTY	UNIT	PRICE EA	TOTAL
630-2-11	CONDUIT, F&I, OPEN TRENCH	96	LF	17.90	1,718.40
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	273	LF	46.00	12,558.00
630-2-14	CONDUIT, F&I, ABOVEGROUND	5	LF	43.00	215.00
635-2-11	PULL & SPLICE BOX, 13 X 24	7	EA	1,687.00	11,809.00
639-2-1	ELECTRICAL SERVICE WIRE	15	LF	14.85	222.75
715-1-12	LIGHTING CONDUCTORS, F&I (INSULATE) NO. 8-6	1,530	LF	3.22	4,926.60
715-7-11	LOAD CENTER (SECONDARY VOLTAGE)	1	EA	20,719.00	20,719.00
715-61-111	LIGHT POLE COMPLETE, 30' MH W/8' ARM	4	EA	9,530.00	38,120.00
715-61-142	LIGHT POLE COMPLETE, 30' MH W/12' ARM	2	EA	9,610.00	19,220.00
715-500-1	POLE CABLE DISTRIBUTION SYSTEMS	6	EA	822.00	4,932.00

Bonding is not included in this price but can be provided at 1.5%	**Total**	$114,440.75

NOTES:
•Price is for pay items only (no other incidental items will be included unless specifically listed with that item).
•All quantities provided on the bid form are approximate. Final payment will be made in accordance with quantities of work actually performed and accepted by the owner and will be paid by the unit price as submitted on the bid documents.
•Prime Contractor will furnish all survey, layout, and maintenance of traffic items required (off duty officers, lane closures, flagger, barricades, arrow boards, light plants should night work be required, etc.).
•Technical Services to be provided by Prime Contractor as well as signed/sealed as-builts, and GPS mapping (if required).
•All permits other than electrical are to be furnished by others.
•Any relocation or adjustments to existing underground or overhead utilities will be by others.
•As-built survey, GEO or ITSFM mapping is not included.

EXHIBIT B
Contractor's Signalization Proposal

Montoya Electric Service, Inc.

PO Box 948
Auburndale, FL 33823
ofc 863-967-9432

DATE
6/8/2026

SIGNALIZATION PROPOSAL

PROJECT #	Revision
PROJECT LOCATION:	Saddle Creek @ Tenoroc

ITEM #	DESCRIPTION	QTY	UNIT	PRICE EA	TOTAL
101-1	MOBILIZATION	1	LS	19,125.00	19,125.00
630-2-11	CONDUIT, F&I, OPEN TRENCH	68	LF	17.90	1,217.20
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	285	LF	46.00	13,110.00
630-2-14	CONDUIT, F&I, ABOVEGROUND	100	LF	43.00	4,300.00
632-7-1	CABLE (SIGNAL) (F&I)	1	PI	12,799.00	12,799.00
635-2-11	PULL & SPLICE BOX, 13 X 24	7	EA	1,687.00	11,809.00
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	6	EA	3,012.00	18,072.00
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	2	EA	1,086.00	2,172.00
649-21-10	STEEL MAST ARM ASSEMBLY - SINGLE ARM 60'	1	EA	96,891.00	96,891.00
650-1-14	TRAFFIC SIGNAL, 3S1W	1	EA	1,935.00	1,935.00
650-1-16	TRAFFIC SIGNAL, 4S1W	1	EA	2,282.00	2,282.00
653-1-11	PEDESTRIAN SIGNALS (F&I)(LED)(1 WAY)	6	AS	1,104.00	6,624.00
660-1-103	INDUCTIVE LOOP DETECTOR (F&I) (TYPE 3)	2	EA	766.00	1,532.00
660-2-106	LOOP ASSEMBLY (F&I) (TYPE F)	2	AS	1,816.00	3,632.00
663-11-12	SIGNAL PRIORITY & PREEMPTION SYS, OPTICAL DET	1	EA	3,694.00	3,694.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	6	EA	394.00	2,364.00
671-2-40	TRAFFIC CONTROLLER, MODIFY	1	EA	2,278.00	2,278.00
676-1-500	TRAFFIC SIGNAL CONTROLLER, ADJUST/MODIFY	1	EA	2,937.00	2,937.00
700-5-22	INTERNALLY ILLUMINATED SIGN, F&I OM, 12-18SF	1	EA	6,700.00	6,700.00
	Does not include Maintenance of Traffic (to be provided by others)				
Bonding is not included in this price but can be provided at 1.5%.		**TOTAL:**			$213,473.20

NOTES:
- Price is for pay items only (no other incidental items will be included unless specifically listed with that item).
- All quantities provided on the bid form are approximate. Final payment will be made in accordance with quantities of work actually performed and will be paid by the unit price as submitted on the bid documents.
- Prime Contractor will furnish all survey, layout, and maintenance of traffic items required (off duty officers, lane closures, flagger, barricades, arrow boards, light plants should night work be required, etc.).
- Technical Services to be provided by Prime Contractor as well as signed/sealed as-builts, and GPS mapping (if required).
- All permits other than electrical are to be furnished by others.
- Any relocation or adjustments to existing underground or overhead utilities will be by others.
- As-built survey, GEO or ITSFM mapping is not included, unless specified

EXHIBIT C
Plans

[*Attached beginning at following page.*]

Saddle Creek Rd. at Tenoroc High School

Mast Arm Structure

Polk County, FL

Structural Design Calculations

PREPARED FOR:

VIBEngineering
6914 West Linebaugh Avenue
Tampa, Florida 33625

PREPARED BY:

PATEL, GREENE & ASSOCIATES, LLC
12570 Telecom Drive
Temple Terrace, FL 33637
Phone: 813-978-3100
Contact: Johnny Fung, P.E.

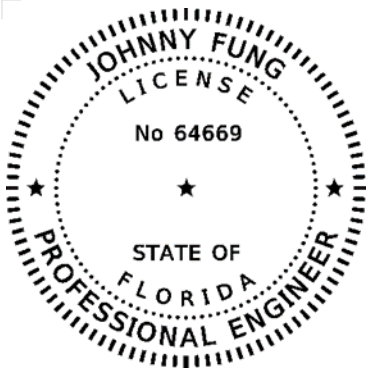
Signature Page

Project: Saddle Creek Rd. at Tenoroc High School

Project Number: N/A

Scope of Responsibility: Mast Arm Structure, Structural Design Calculations

Section(s) / Page Range(s): Pages 1 – 4, 12 – 84



This item has been digitally signed and sealed by

on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Patel, Greene & Associates, LLC
12570 Telecom Drive
Temple Terrace, FL 33637
Johnny Fung, P.E. No. 64669

Mast Arm Structure
Structural Design Calculations

TABLE OF CONTENTS PAGES

1. GENERAL INFORMATION 1

2. SIGNALIZATION 3

2.1. STANDARD PLANS 4

2.2. DESIGN 12

POLE ID 1 18

APPENDIX A: GEOTECHNICAL INFORMATION 85

APPENDIX B: CORRESPONDENCE 87

Mast Arm Structure
Structural Design Calculations

1. GENERAL INFORMATION

PREPARED BY: PATEL, GREENE & ASSOCIATES, LLC	Saddle Creek Rd. at Tenoroc High School General Information	DES. BY: TLC DATE: 07/23 CHK. BY: MSL DATE: 07/23

General Information:

1. Patel, Greene & Associates, LLC (PGA) has been tasked with the design of one mast arm assembly at the Saddle Creek Rd. and Tenoroc High School entrance intersection in Lakeland, Florida. The mast arm was designed using StandardMastArm V1.6 to obtain preliminary configurations and MastArm V2.0 to confirm the design. The design of the mast arm is based on the 700-year Extreme Event Limit State; therefore, the design wind speed is 150 MPH.

2. A Geotechnical Report was completed by Faulkner Engineering Services, LLC. The recommended soil parameters for the structure based on the completed soil boring have been included in the report.

3. Two loading scenario conditions were proposed. One configuration was proposed to be implemented immediately and one configuration was proposed to be implemented in the future. The mast arm was designed for the worst-case scenario loading condition – the future loading configuration. A standard mast arm design was satisfactory for the mast arm. The results are shown in the table below:

ID No.	Arm ID	Pole ID	Drilled Shaft ID
1	A60/S	P4/S	DS/14/5.0

2. SIGNALIZATION

2.1. STANDARD PLANS

ARM AND BASE PLATE											
Arm ID Axx-ArmLength S-SingleArm D-DoubleArm H-HeavyDuty	Total Arm Length (ft)	Arm			Arm Extension			Base Plate			
		FA/SA (ft)	FC/SC (in)	FD/SD (in)	FE/SE (ft)	FG/SG (in)	FH/SH (in)	HT (in)	FJ/SJ (in)	FK/SK (in)	
A30/S	30	30	11	0.25	--	--	--	22	25	3	
A30/S/H			12								
A30/D			11					30	36		
A30/D/H			12								
A40/S	40	40	13	0.25	--	--	--	22	27	3	
A40/S/H			14								
A40/D			13					30	36		
A40/D/H			14								
A50/S	50	32.5	12	0.25	20.5	14	0.313	22	29	3	
A50/S/H			13			15					
A50/D			12			14		30	36		
A50/D/H			13			15					
A60/S	60	35.5	12	0.25	27.5	15	0.375	30	36	3	
A60/S/H			13			16					
A60/D			12			15					
A60/D/H			13			16					
A70/S	70	38	13	0.25	35	17	0.375	30	36	3	
A70/S/H			14			18					
A70/D			13			17					
A70/D/H			14			18					
A78/S	78	39	13	0.25	42	18	0.375	30	36	3	
A78/S/H			15			20					
A78/D			13			18					
A78/D/H			15			20					

POLE, BASE PLATE AND ARM CONNECTION																				
Pole ID Px-PoleNo S-SingleArm D-DoubleArm L-Luminaire	Upright				Base Plate					Arm-Upright Connection										
	UA (ft)	UD (in)	UE (in)	UG (ft)	No. Bolts	BA (in)	BB (in)	BC (in)	BF (in)	HT (in)	FJ/SJ (in)	FL/SL (in)	FN/SN (in)	FO/SO (in)	FP/SP (in)	FR/SR (in)	FS/SS (in)	FT/ST (in)		
P1/S	25	16	0.375	37.5	6	32	2.5	2	40	22	25	0.75	0.438	14	1.25	2	8.5	0.438		
P1/S/L	39																			
P1/D	25									30	36			23		2.75	12.5			
P1/D/L	39			37.5																
P2/S	25	18	0.375	37.5	6	34	2.5	2	40	22	27	0.75	0.438	15	1.25	2	8.5	0.438		
P2/S/L	39																			
P2/D	25									30	36			23		2.75	12.5			
P2/D/L	39			37.5																
P3/S	25	20	0.375	37.5	6	36	2.5	2	40	22	29	0.75	0.438	16	1.25	2	8.5	0.438		
P3/S/L	39																			
P3/D	25									30	36			23		2.75	12.5			
P3/D/L	39			37.5																
P4/S	25	22	0.375	37.5	8	38	2.5	2	40	30	36	0.75	0.438	17	1.25	2.5	12.5	0.438		
P4/S/L	39																			
P4/D	25													23						
P4/D/L	39			37.5																
P5/S	25	24	0.375	37.5	8	40	2.5	2	40	30	36	0.75	0.5	18	1.25	2.5	12.5	0.5		
P5/S/L	39																			
P5/D	25													23						
P5/D/L	39			37.5																
P6/S	25	24	0.5	37.5	8	40	2.5	2	40	30	36	0.75	0.625	18	1.5	2.5	12	0.625		
P6/S/L	39																			
P6/D	25													23						
P6/D/L	39			37.5																
P7/S	25	26	0.5	37.5	8	42	2.5	2	40	30	36	0.75	0.625	19	1.5	2.5	12	0.625		
P7/S/L	39																			
P7/D	25													23						
P7/D/L	39			37.5																

NOTE:

1. Work this Index with Index 649-031.

DRILLED SHAFT								
Drilled Shaft ID	DA (ft)	DB (ft)	RA	RB	RC	RD (in)	RE	RF (in)
DS/12/4.0	12	4.0	11	14	8	12	--	--
DS/12/4.5	12	4.5	11	16	8	12	--	--
DS/14/4.5	14	4.5	11	16	10	8	--	--
DS/14/5.0	14	5.0	11	18	10	8	--	--
DS/16/4.5	16	4.5	11	16	10	8	--	--
DS/16/5.0	16	5.0	11	18	10	8	--	--
DS/18/5.0	18	5.0	11	18	10	8	--	--
DS/20/5.0	20	5.0	11	18	10	6	10	9
DS/25/5.0	25	5.0	11	18	10	6	10	9

LUMINAIRE AND CONNECTION											
LA (ft)	LB (ft)	LC (in)	LD (in)	LE	LF (ft)	LG (in)	LH (in)	LJ (in)	LK (in)	LL (deg)	UG (ft)
40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	0	37.5

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LAST REVISION	REVISION	DESCRIPTION:				
11/01/22			FDOT FY 2023-24 STANDARD PLANS	STANDARD MAST ARM ASSEMBLIES	INDEX 649-030	SHEET 1 of 1

GENERAL NOTES:

1. Shop Drawings: This Index is considered fully detailed, only submit shop drawings for minor modifications not detailed in the Plans.

2. Prior to Fabrication: Verify the installed foundation elevation will result in the required signal elevation and adjust the Pole height as needed.

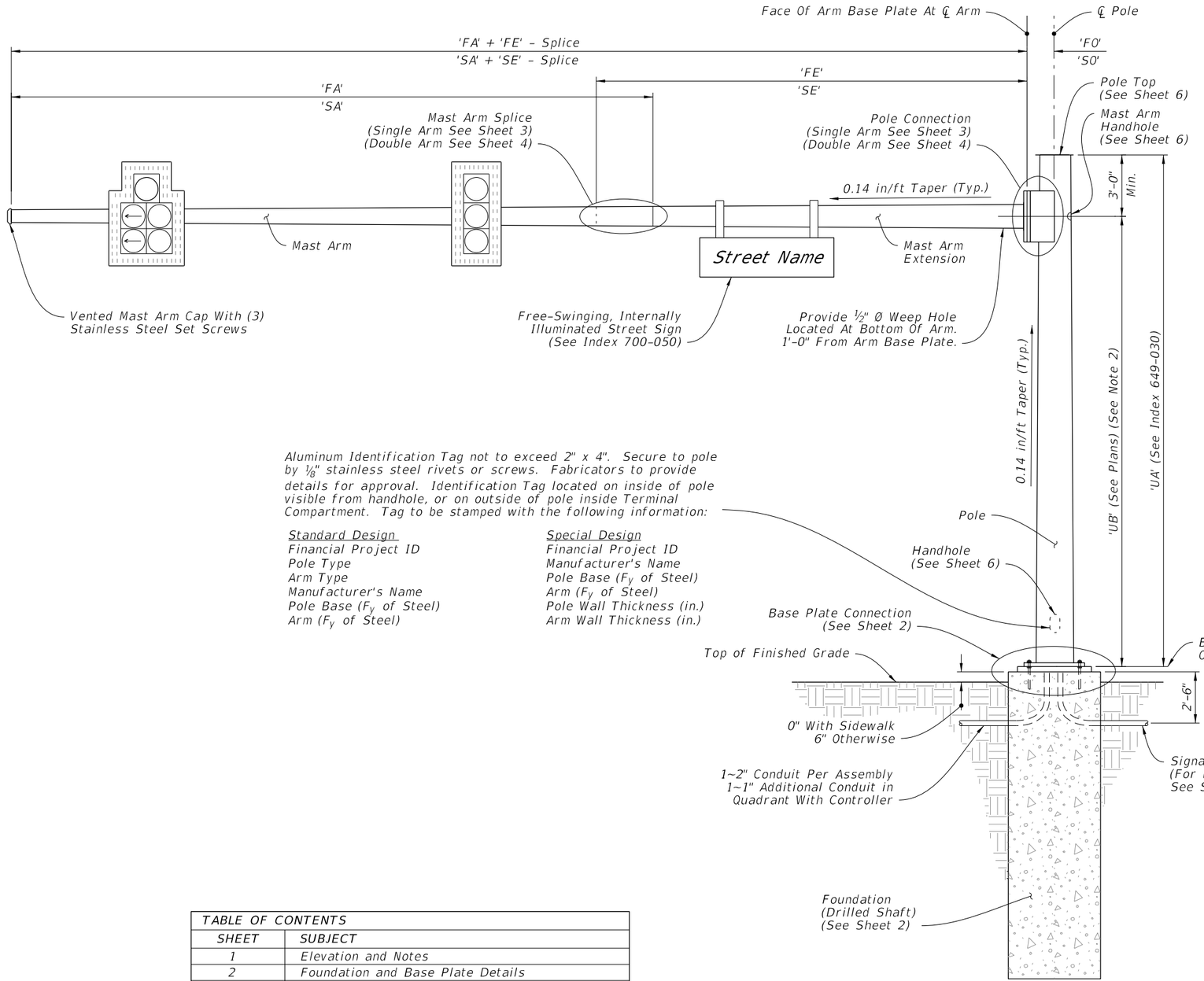
3. Details for Signal and Sign locations, Signal Head attachment, Sign attachment, Pedestrian Head attachment, and Foundation Conduit are not shown for simplicity.

4. Materials:
   - A. Poles, Mast Arms and Backing Rings:
     - a. Less than 3/16": ASTM A1011 Grade 50, 55, 60 or 65
     - b. Greater than or equal to 3/16": ASTM A572 Grade 50, 55, 60 or 65
     - c. ASTM A595 Grade A (55 ksi yield) or Grade B (60 ksi yield)
   - B. Steel Plates: ASTM A36
   - C. Weld Metal: E70XX
   - D. Bolts, Nuts and Washers:
     - a. High Strength Hex Head Bolts: ASTM F3125, Grade A325, Type 1
     - b. Nuts: ASTM A563 DH Heavy-Hex
     - c. Washers: ASTM F436 Type 1, one under turned element
   - E. Anchor Bolts, Nuts and Washers:
     - a. Anchor Bolts: ASTM F1554 Grade 55
     - b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per anchor bolt)
     - c. Plate Washers: ASTM A36 (2 per bolt)
   - F. Threaded Bars/Studs: ASTM A36 or ASTM A307
   - G. Handhole Frame: ASTM A709 or ASTM A36, Grade 36
   - H. Handhole Cover: ASTM A1011 Grade 50, 55, 60 or 65
   - I. Pole Caps and Nut Covers: Fabricate from cast aluminum or galvanized carbon steel.
   - J. Stainless Steel Screws: AISI Type 316
   - K. Concrete: Class IV (Drilled Shaft) for all environmental classifications.
   - L. Reinforcing Steel: Specification 415

5. Fabrication:
   - A. Welding:
     - a. Specification 460-6.4 and
     - b. AASHTO LRFD Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals Section 14.4.4
   - B. Poles and Mast Arms:
     - a. Round or 12-sided (Min.)
     - b. Taper pole diameter at 0.14 inches per foot
     - c. Upright poles must be a single section. For arms and upright poles, circumferential welds and laminated sections are not permitted.
     - d. Arms may be either one or two sections. See Sheet 4 for telescopic splice detail
     - e. Fabricate longitudinal seam welds with 60 percent minimum penetration or fusion welds except:
       1. Use a full-penetration groove weld within 6 inches of the circumferential tube-to-plate connection.
       2. Use full-penetration groove welds on the female end section of telescopic (i.e., slip type) field splices for a minimum length of one and one-half times the inside diameter of the female section plus 6 inches.
     - f. Locate longitudinal seams weld along the:
       1. Lower quadrant of the arms.
       2. Same side of the pole as the arm connections
     - g. Face handhole perpendicular from arm on single arm poles, perpendicular from the first arm of double arms poles facing away from traffic or see special instructions on the Mast Arm Tabulation Sheet.
     - h. Provide a 'J' or 'C' hook at the top of the pole for signal wiring support (See Sheet 6)
     - i. First and Second arm camber angle = 2°
     - j. Bolt holes diameters as follows:
       1. Bolts (except Anchor bolts): Bolt diameter plus 1/16" prior to galvanizing.
       2. Anchor Bolts: Bolt diameter plus 1/2" (Max.).

6. Coatings:
   - A. All Nuts, Bolts, Washers and Threaded Bars/Studs: ASTM F2329
   - B. All other steel items including plate washers ASTM A123

7. Construction:
   - A. Foundation: Specification 455 Drilled Shaft, except that payment is included in the cost of the Mast Arm.
   - B. Install Pole vertically.
   - C. Place structural grout pad with drain between top of foundation and bottom of baseplate in accordance with Specification 649-7.
   - D. Attach Sign Panels and Signals centered on the elevation of the Mast Arm.
   - E. Wire Access holes are 1½" or less in diameter.



Aluminum Identification Tag not to exceed 2" x 4". Secure to pole by 1/8" stainless steel rivets or screws. Fabricators to provide details for approval. Identification Tag located on inside of pole visible from handhole, or on outside of pole inside Terminal Compartment. Tag to be stamped with the following information:

Standard Design	Special Design
Financial Project ID	Financial Project ID
Pole Type	Manufacturer's Name
Arm Type	Pole Base (F_y of Steel)
Manufacturer's Name	Arm (F_y of Steel)
Pole Base (F_y of Steel)	Pole Wall Thickness (in.)
Arm (F_y of Steel)	Arm Wall Thickness (in.)

TABLE OF CONTENTS

SHEET	SUBJECT
1	Elevation and Notes
2	Foundation and Base Plate Details
3	Single Arm Connection and Splice Details
4	Double Arm Connection and Splice Details
5	Luminaire Arm and Connection Details
6	Handhole and Pole Top Details

Single Arm Shown, Double Arm Similar (Luminaire Arm Not Shown)

MAST ARM ASSEMBLY

ELEVATION AND NOTES

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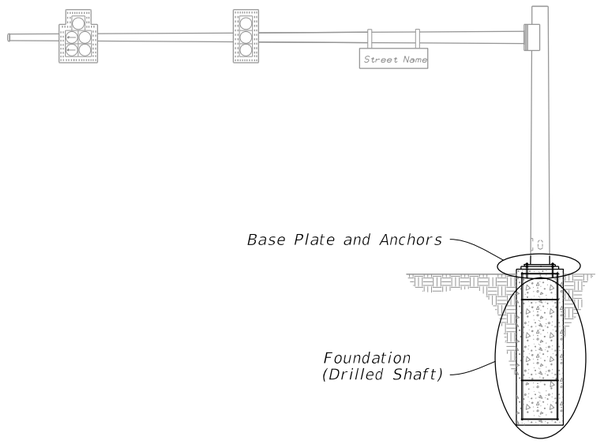
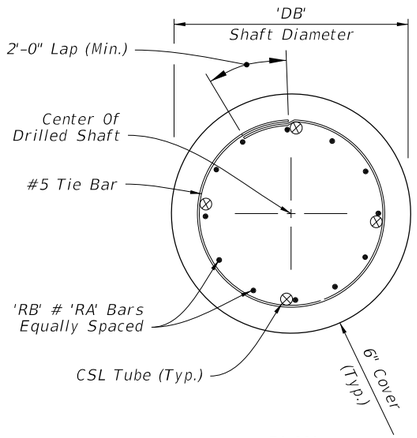


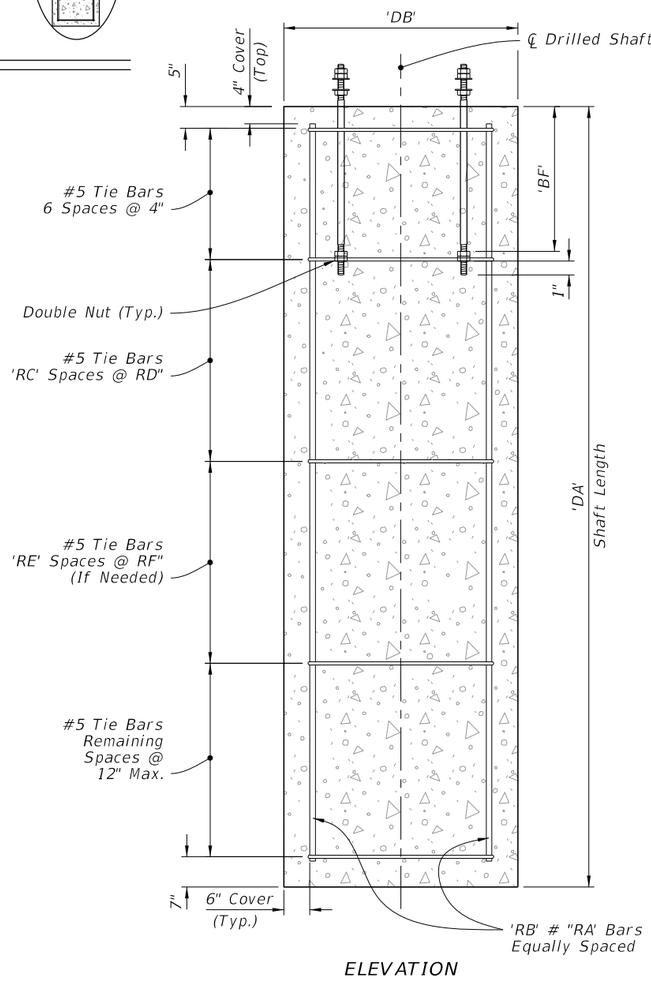
MAST ARM ASSEMBLY

NOTES:

1. The Structural Grout Pad diameter may be reduced where the footprint of the Grout Pad does not provide adequate clearance for the sidewalk and/or accessibility considerations.
2. See Index 649-030 and the plans for actual quantity of bolts in the Base Plate Connection.
3. The bottom hex nut of the Double Nuts shown in Section A-A may be substituted by a half-height anchor 'jam' nut. Provide individual nut covers (not shown) for each bolt.
4. Detail 'A' Silicone Caulk may be applied after installation. Consult with Manufacturer to determine the suitability of the caulk to be applied.

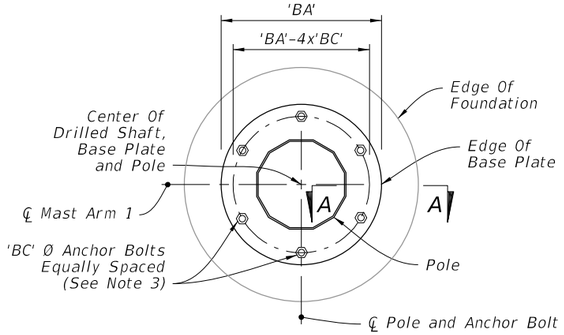


PLAN

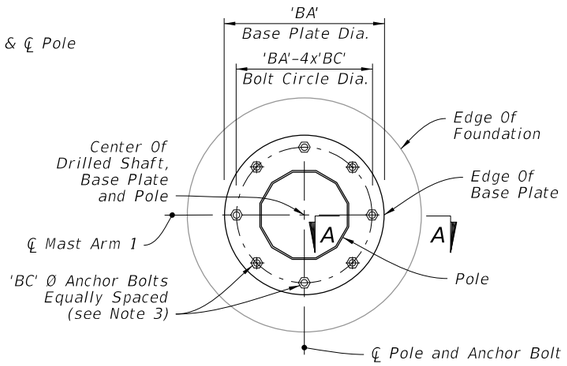


ELEVATION

FOUNDATION

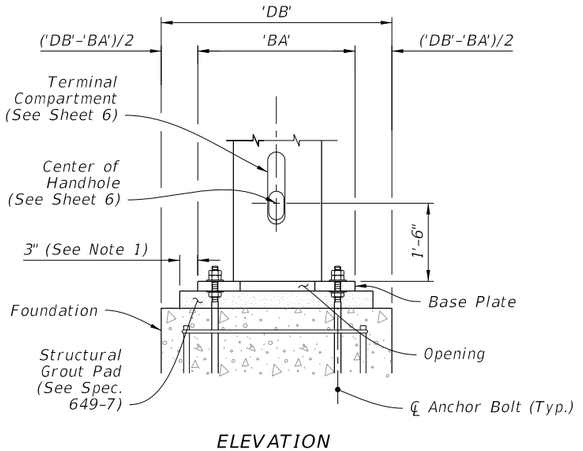


(6 Anchor Bolts)



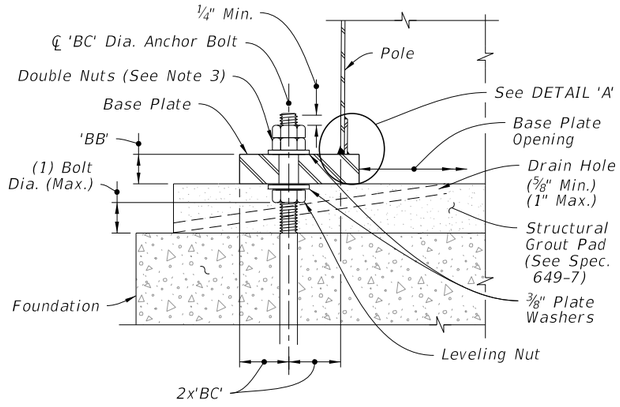
(8 Anchor Bolts)

PLAN

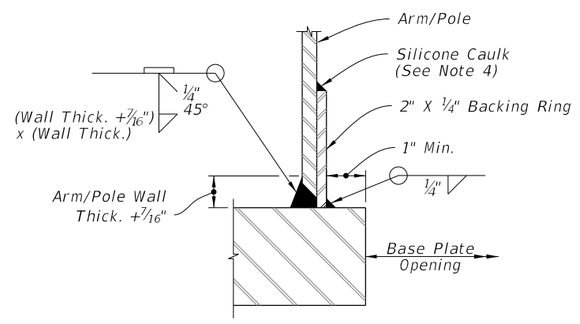


ELEVATION
(Back Face Shown)

BASE PLATE CONNECTION



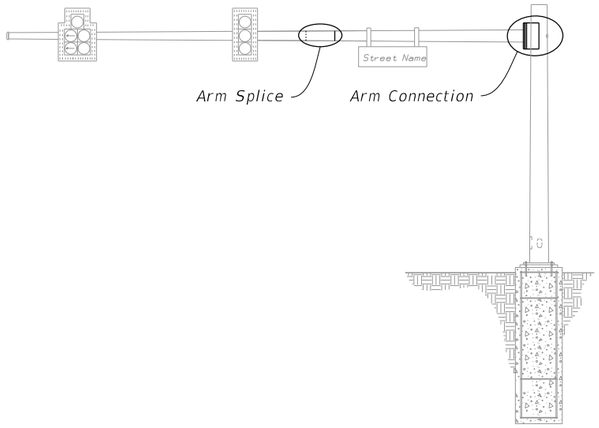
SECTION A-A



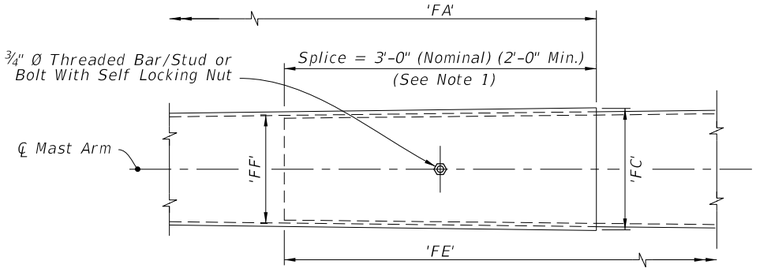
JOINT WELD DETAIL

DETAIL 'A'

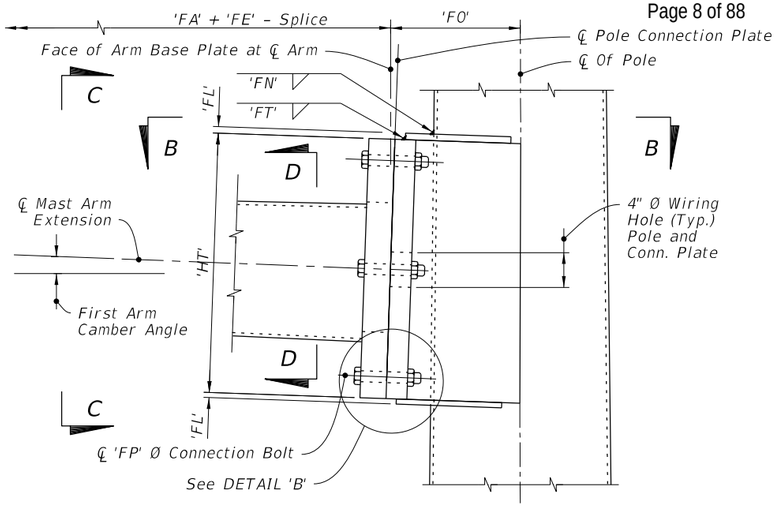
FOUNDATION AND BASE PLATE DETAILS



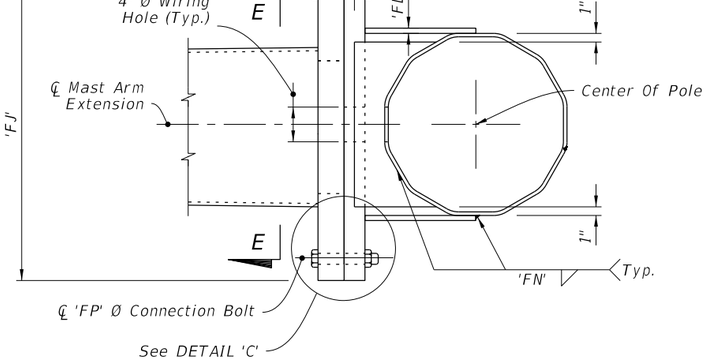
MAST ARM ASSEMBLY



ARM SPLICE



SINGLE ARM CONNECTION



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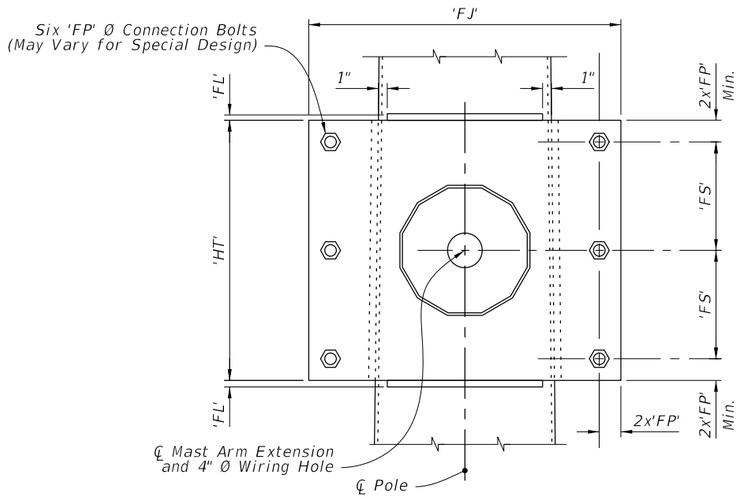

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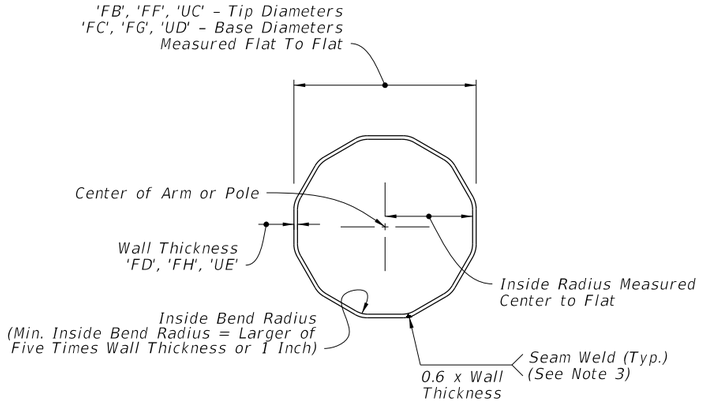

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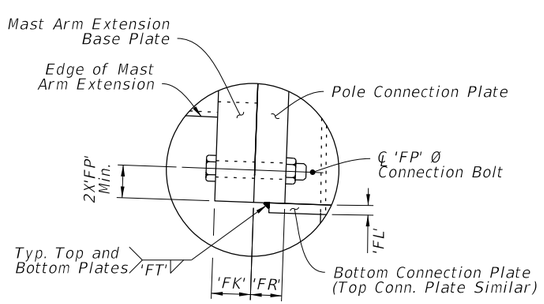

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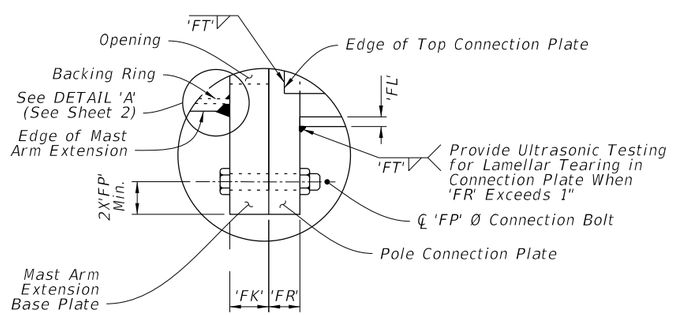

DETAIL 'C'

NOTES:

1. Install the 'Slip Joint' splice with a tight fit and no change in the Mast Arm taper due to the splice.
2. Details shown on this sheet are for 12 sided pole sections. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced.
3. Match mark the Arm and Connection Plates to ensure proper assembly and the seam weld is in the proper location (seam located at the bottom side of the Arm).

SINGLE ARM CONNECTIONS & SPLICE DETAILS

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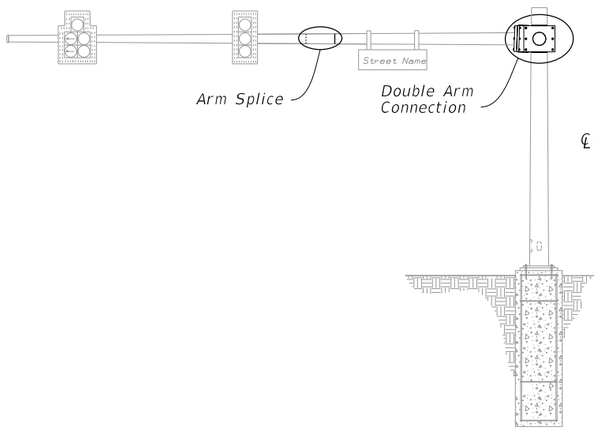
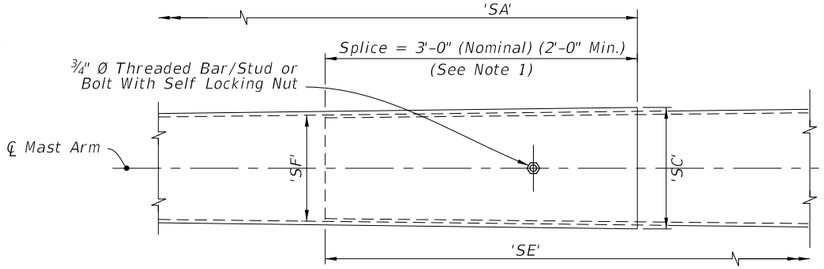
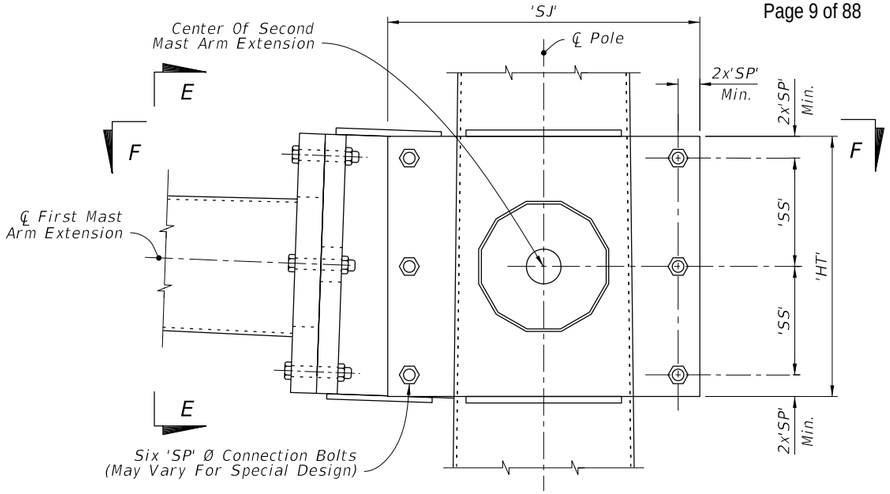
LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	MAST ARM ASSEMBLIES	INDEX	SHEET
11/01/21					649-031	3 of 6



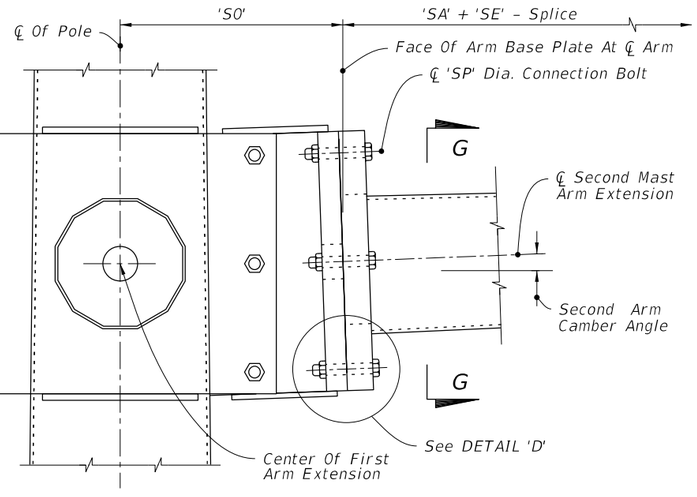
MAST ARM ASSEMBLY



ARM SPLICE



DOUBLE ARM CONNECTION



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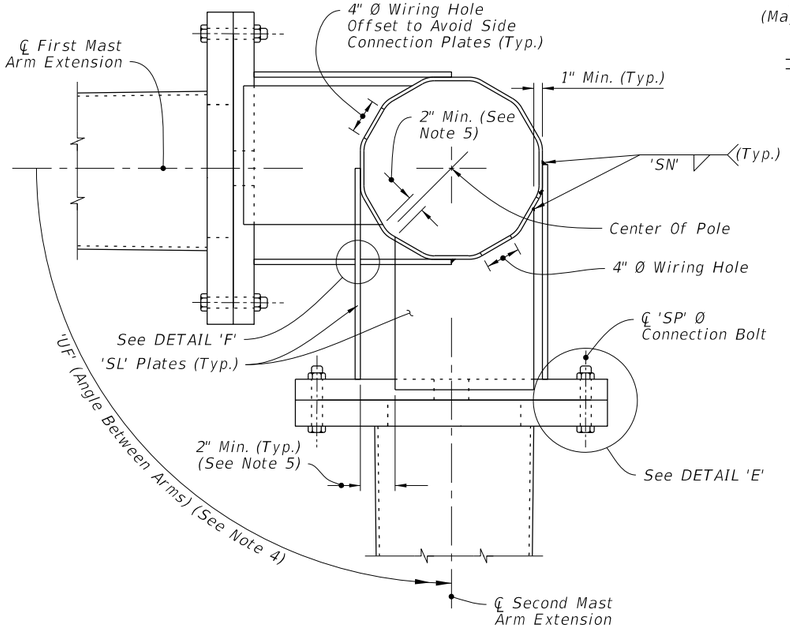

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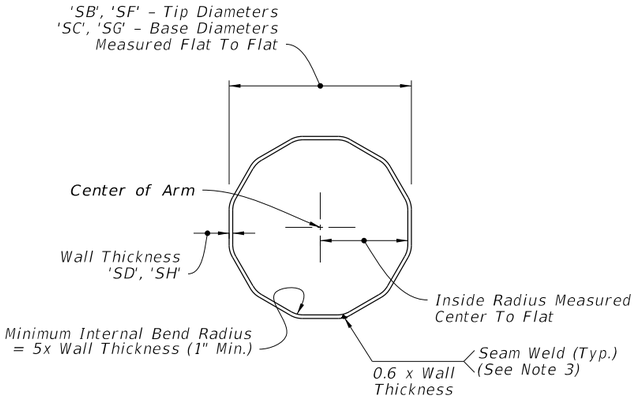

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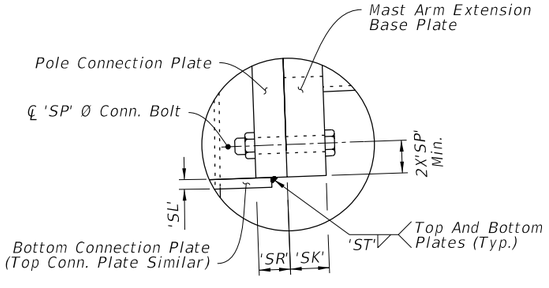

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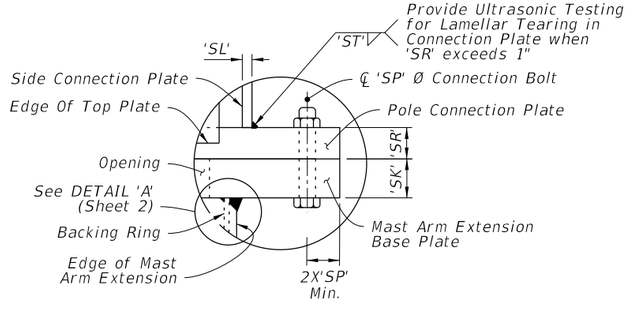

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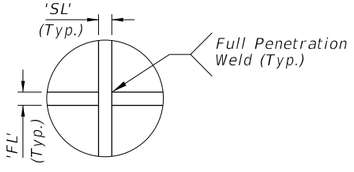

DETAIL 'F'

NOTES:

1. Install the 'Slip Joint' splice with a tight fit and no change in the Mast Arm taper due to the splice.
2. Details shown on this sheet are for 12 sided pole sections. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced.
3. Match mark the Arm and Connection Plates to ensure proper assembly and the seam weld is in the proper location (seam located at the bottom side of the Arm).
4. 'UF' measured counter clockwise from ℄ First Mast Arm Extension.
5. Adjust width of top and bottom Connection Plates to maintain minimum clearance shown.

DOUBLE ARM CONNECTIONS & SPLICE DETAILS

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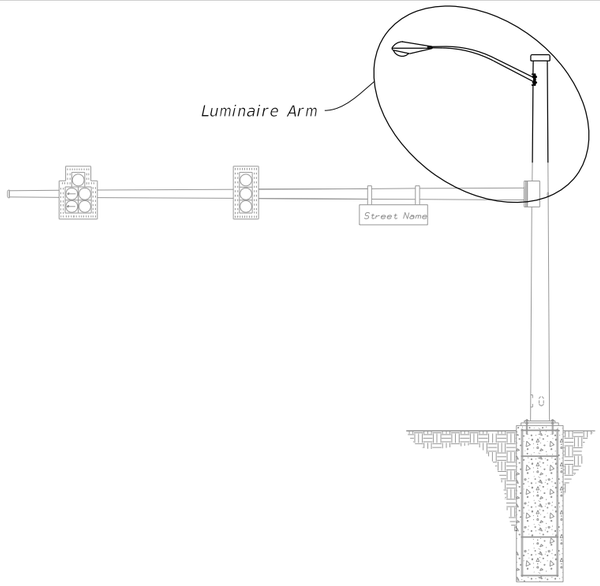
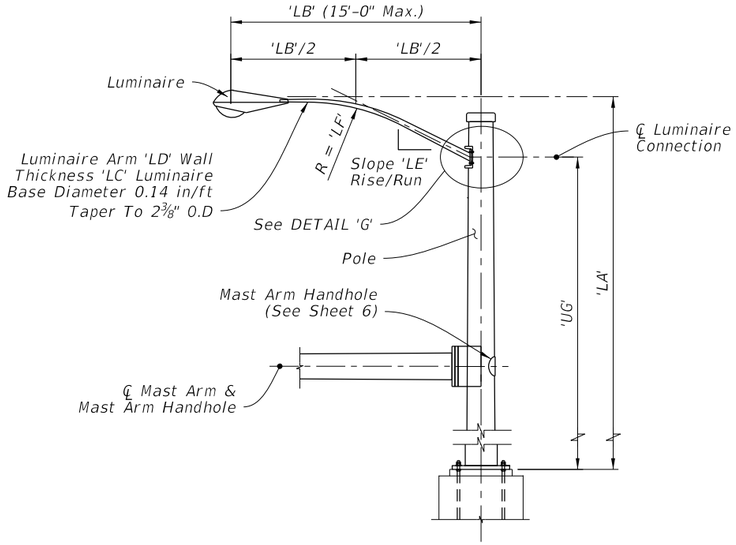
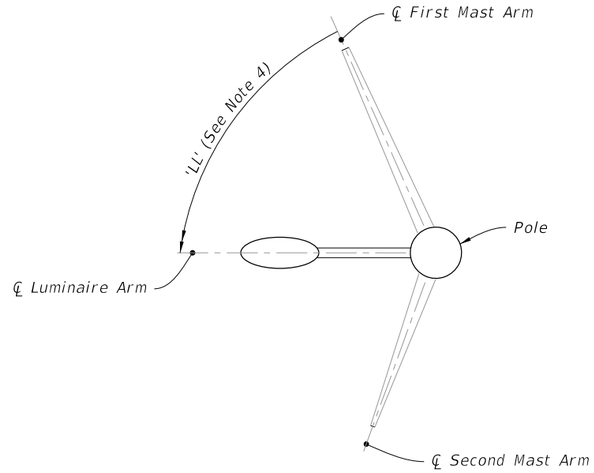
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/21			FY 2023-24 STANDARD PLANS	MAST ARM ASSEMBLIES	649-031	4 of 6



MAST ARM ASSEMBLY



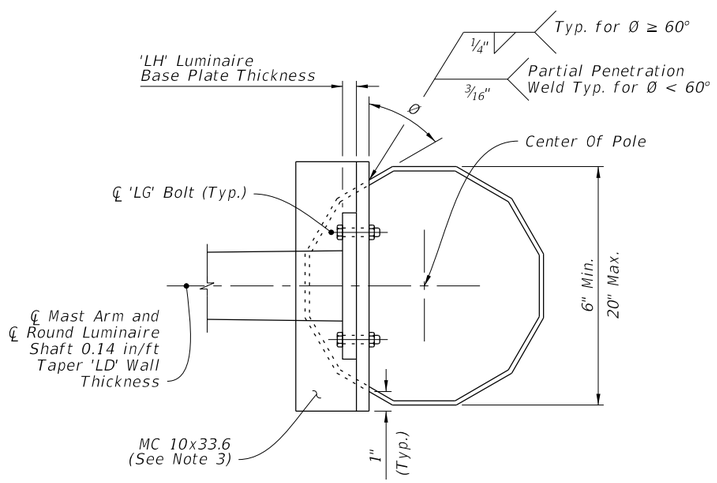
LUMINAIRE ELEVATION



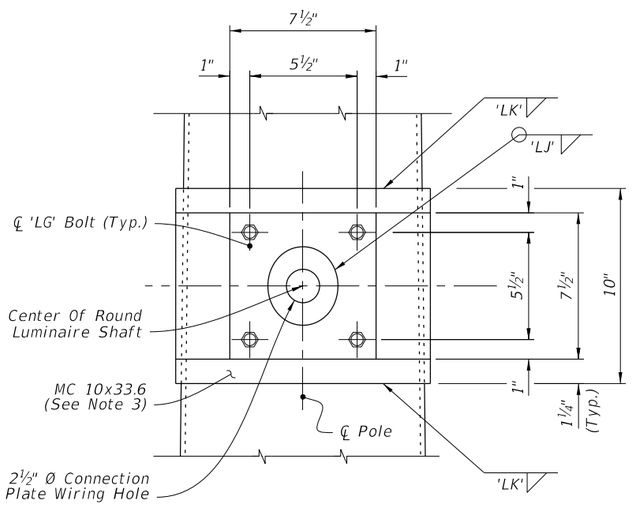
LUMINAIRE ORIENTATION

NOTES:

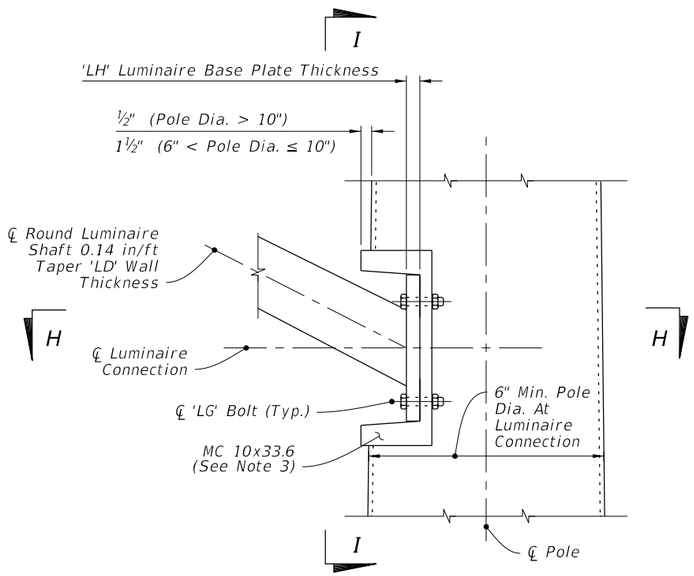
1. Galvanized steel luminaire type and luminaire length may be found in the Lighting Plans.
2. Align Luminaire Arm with Single Mast Arm or First Arm of Double Mast Arm unless indicated otherwise in the plans.
3. The fabricator may substitute a ½" thick bent plate with the same flange width, height, and length as the MC 10x33.6 Channel section.
4. 'LL' measure counter clockwise from First Mast Arm.



SECTION H-H



SECTION I-I



LUMINAIRE CONNECTION ELEVATION

DETAIL 'G'

LUMINAIRE ARM AND CONNECTION DETAILS

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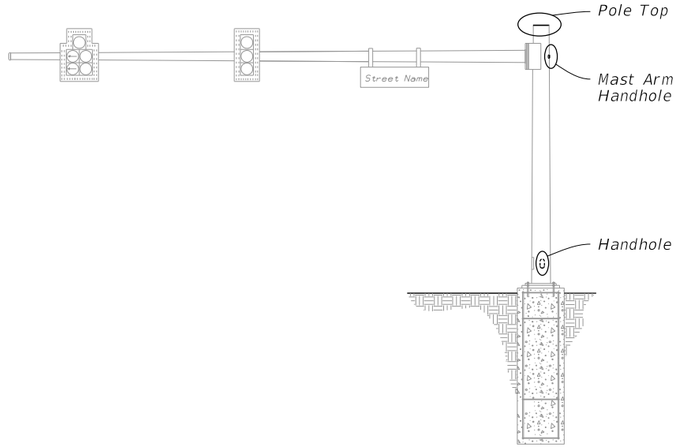
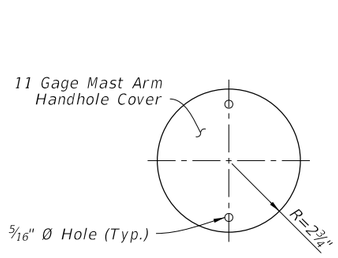
LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	MAST ARM ASSEMBLIES	INDEX	SHEET
11/01/19						649-031	5 of 6



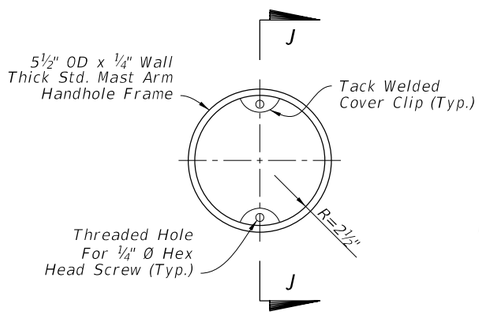
MAST ARM ASSEMBLY

NOTES:

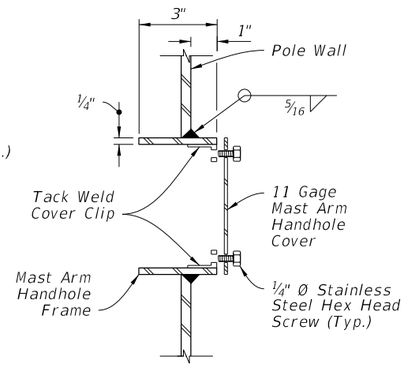
1. Handhole covers may be omitted when Terminal Compartment is provided.
2. See Mast Arm Tabulation sheet to see if Terminal Compartment is required and for locations.
3. Terminal Compartment Frame Height 2'-0" minimum to 2'-6" maximum. Align bottom of Terminal Compartment a minimum of 1" below the bottom of the Handhole Frame.
4. Any combination of Option 'a' or 'b' may be used, provided both lifting and wiring is accommodated. Cap may be flat plate or domed cap with set screws.
5. An alternate terminal compartment frame detail is allowed where the compartment frame is of constant depth and cuts into the pole at the frame top and bottom but lays flush with the pole on the frame sides. The frame is then welded to the pole using fillet welds all around the outside.



COVER

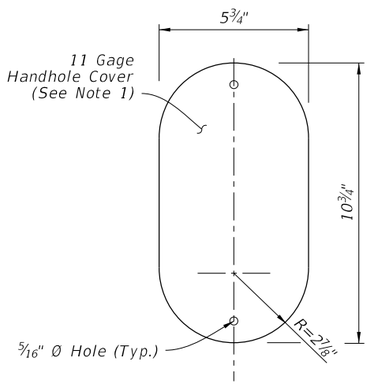


FRAME

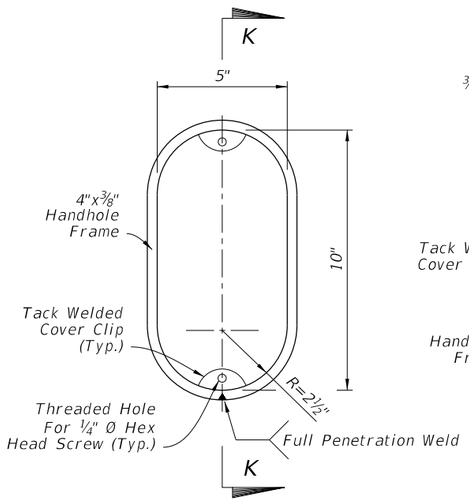


SECTION J-J

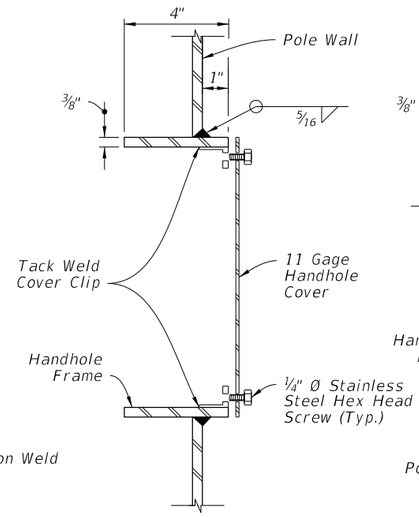
MAST ARM HANDHOLE



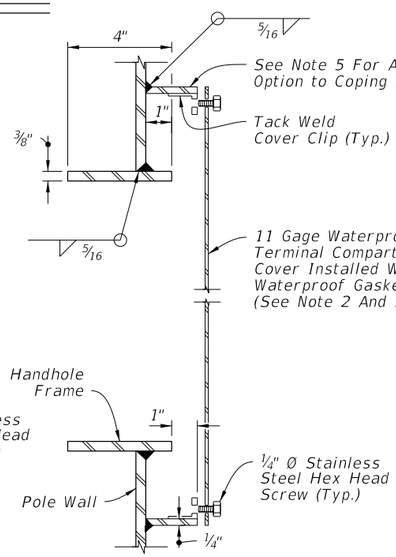
COVER



FRAME

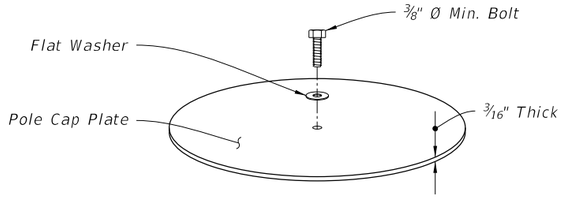


SECTION K-K
(Thru Handhole)

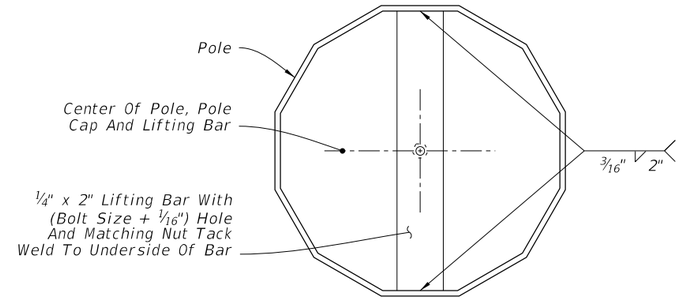


SECTION K-K
(Terminal Compartment)

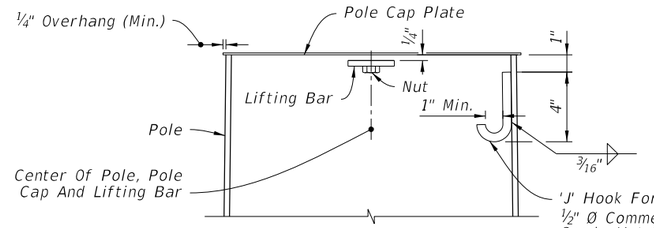
HANDHOLE



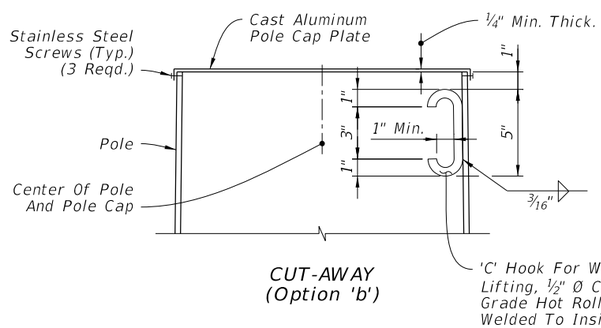
ISO VIEW
(Option 'a')



TOP VIEW
(Option 'a')



CUT-AWAY
(Option 'a')



CUT-AWAY
(Option 'b')

POLE TOP

HANDHOLE AND POLE TOP DETAILS

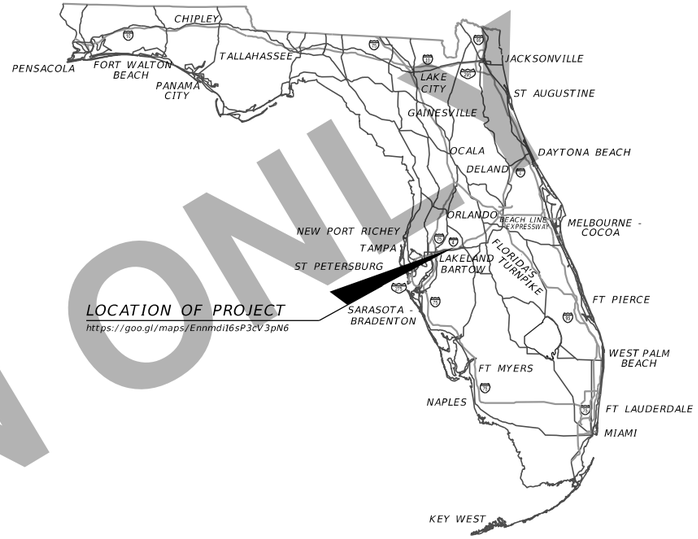
2.2. DESIGN

CONTRACT PLANS

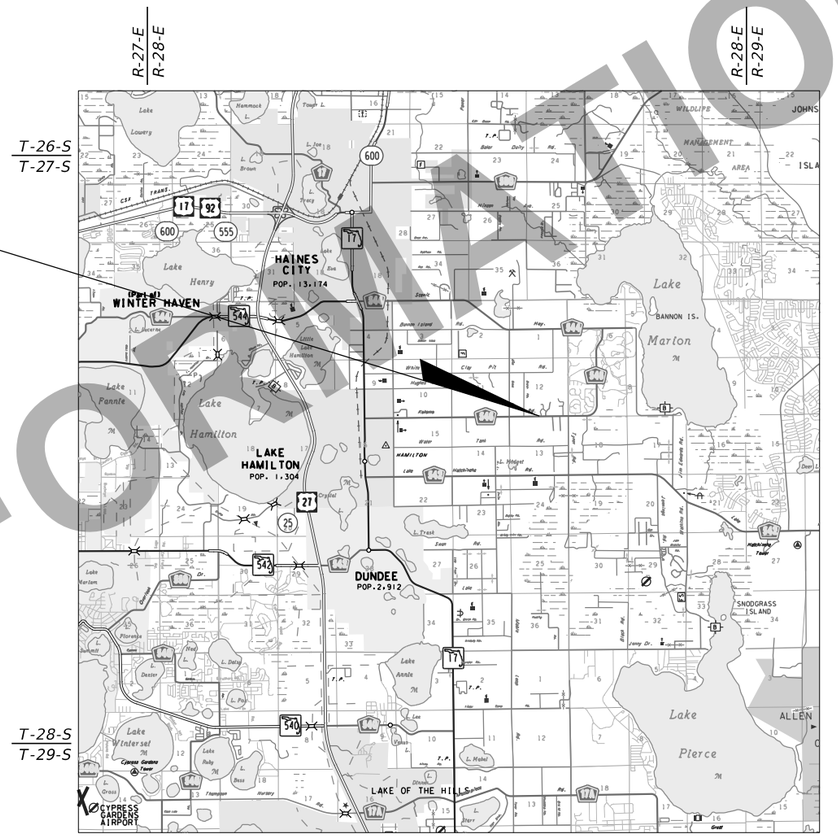
SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES AND PAY ITEM NOTES
T-5	SIGNALIZATION PLAN
T-6	LIGHTING PLAN
T-7	STREET NAME SIGN WORKSHEET
T-8	STANDARD MAST ARM TABULATION
T-9	SPECIAL MAST ARM ASSEMBLIES DATA TABLE
T-10	REPORT OF CORE BORING



SIGNALIZATION PLANS



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

SIGNALIZATION PLANS ENGINEER OF RECORD:

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

PROJECT MANAGER:

SCOTT SHAPIRO

FISCAL YEAR	SHEET NO.
24	T-1

FOR INFORMATION ONLY

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

SIGNALIZATION:

1. COMPLY WITH THE SUNSHINE 811 RELATED FLORIDA STATUTES. UNDERGROUND CABLE SITES MUST BE LOCATED AND IDENTIFIED BY PROPER AUTHORITIES AT TIME OF CONSTRUCTION.

2. CONTACT CITY OF LAKELAND ELECTRIC FOR THEIR ASSISTANCE IN PERFORMING ALL NECESSARY WORK UNDER POWER LINES.

3. POLK COUNTY TRAFFIC ENGINEERING AND OPERATIONS (863) 535-2200 MUST BE NOTIFIED AT LEAST TWO WEEKS IN ADVANCE OF ACTIVATING NEW TRAFFIC CONTROLLER TO PROVIDE SUFFICIENT TIME TO ESTABLISH SIGNAL TIMINGS.

4. THE CONTRACTOR MUST HAVE A STATE OF FLORIDA ELECTRICAL CONTRACTOR'S LICENSE.

5. TREE TRIMMING AND REMOVAL MAY BE REQUIRED TO PROVIDE ADEQUATE SIGHT DISTANCE OR AS ORDERED BY THE ENGINEER. ALL EXPENSES INCURRED FOR THIS WORK MUST BE DIVIDED AMONG THE ITEM NUMBERS FOR SIGNALIZATION.

6. THREE-SECTION HEADS OVER LEFT TURN LANES MUST BE CABLED TO SUPPORT FUTURE FOUR-SECTION OR FIVE-SECTION HEADS.

7. THE LENGTH OF THE MAST ARM MUST EXTEND TO THE INSIDE EDGE OF THE LEFT TURN LANE CLOSEST TO THE MEDIAN.

7. APPROVAL MUST BE OBTAINED FROM THE ENGINEER OF RECORD IF THE POLE FOUNDATION IS NOT INSTALLED PER PLANS.

8. INTERNALLY ILLUMINATED SIGNS MUST BE DUAL FACED AND SHALL OPEN TOWARD THE INTERSECTION (FRONT SIDE).

9. ALL SIGNAL INDICATIONS AND PEDESTRIAN INDICATIONS MUST BE LED AND MEET THE ITE LED STANDARD. THE LED SIGNAL INDICATIONS MUST PROVIDE AN INCANDESCENT LOOK. THE PEDESTRIAN INDICATIONS MUST BE COUNTDOWN TYPE WITH HAND/MAN OVERLAY.

CONTROLLER:

1. THE CONTROLLER BASE SHALL BE AT LEAST AS HIGH AS THE CROWN OF THE ROAD.

SIGNAL PLANS SET:

1. THE CONTRACTOR SHALL SUBMIT MARKED-UP AS-BUILT PLANS TO THE ENGINEER FOR FINAL ACCEPTANCE. THE ENGINEER SHALL PROVIDE AT LEAST ONE COMPLETE COPY OF THE PLANS.

SIGNING AND PAVEMENT MARKINGS:

1. ALL EXISTING TRAFFIC SIGNS MUST BE MAINTAINED DURING CONSTRUCTION.

2. ALL TRAFFIC SIGN POSTS MUST BE COMPATIBLE (MAKE, DESIGN) WITH POSTS NOW IN USE BY THE POLK COUNTY TRAFFIC ENGINEERING AND OPERATION.

3. CAUTION MUST BE EXERCISED WHILE RELOCATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO SIGNS. DAMAGED SIGNS MUST BE REPLACED.

4. SIGN LOCATIONS SHOWN ARE APPROXIMATE. ANY FIELD ADJUSTMENT MUST BE AT THE DIRECTION OF THE CONSTRUCTION PROJECT MANAGER AND/OR THE ENGINEER OF RECORD.

SIGNALIZATION CONDUIT/ PULL BOXES:

1. NOTE THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY BORING OR TRENCHING.

2. A MINIMUM OF FOUR CONDUITS MUST BE PROVIDED BETWEEN THE CORNERS OF THE INTERSECTION.

3. ALL CONDUITS MUST BE 2 INCH MINIMUM, UNLESS OTHERWISE SPECIFIED IN THE PLANS.

4. ALL CONDUITS MUST BE INSTALLED PRIOR TO ROADWAY BASE OR SIDEWALK CONSTRUCTION.

5. MAST ARM POLE FOUNDATION SHALL HAVE A MINIMUM OF 4-2" CONDUITS CONNECTED TO THE NEAREST PULLBOXES.

PAY ITEM NOTES:

632-7-1: WIRE EACH PHASE/MOVEMENT AS A SEPARATE PHASE/MOVEMENT.

635-2- 11 : MUST BE 17"X30"X18" UNLESS DESIGNATED FOR LIGHTING AND ELECTRIC SERVICE. THE PULL BOX COVER/LID MUST BE HEAVY DUTY AND HAVE A MINIMUM DESIGN/TEST LOAD OF 15,000 (DESIGN)/22,500 (TEST) LBS. THE PULL BOX MUST HAVE A MINIMUM DESIGN/TEST LOAD OF 22,500 (DESIGN)/33,500 (TEST) LBS.

646-1-11: MUST INCLUDE BREAK AWAY SUPPORT (TRANSFORMER TYPE BASE).

649-21-10: MUST INCLUDE 7" MIN./8.5" MAX. BY 2' MIN./2.5' MAX. TERMINATION COMPARTMENT HAND HOLE FOR ALL MAST ARMS.

INSTALL TOP OF FOUNDATION FOR MAST ARM POLES FLUSH WITH SIDEWALK TO PROVIDED ADDITIONAL SIDEWALK CLEARANCE FOR ADA.

665-1-11: ADA PIEZO PUSHBUTTONS WITH RAISED ARROW AND AUDIBLE INDICATION MUST BE USED.

671-2-40: MODIFY EXISTING TRAFFIC SIGNAL CONTROLLER TO UPDATE CONTROLLER TIMINGS.

676-1-500: MODIFY EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO TERMINATE AND PROGRAM LOOPS AND CONNECT PEDESTRIAN FEATURES. CORE-DRILL EXISTING CONTROLLER CABINET BASES AND INSTALL NEW CONDUITS IF SPARE CONDUIT STUBS-OUT CANNOT BE USED. REPLACE EXISTING LIGHTING CIRCUIT BREAKER IN THE TRAFFIC SIGNAL CONTROLLER CABINET.

UTILITY COMPANY	CONTACT	NUMBER
CITY OF AUBURNDALE W/S/STREET	MANNY SILVA	(863) 956-7743
CITY OF LAKELAND ELECTRIC	KRIS HAYES	(863) 834-6486
WANRACK, LLC	NATHAN DEAL	(913) 601-5274
WILLIAMS	JAMES VILLARREAL	(941) 723-7100

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

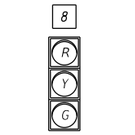
PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENEROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

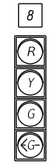
ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

GENERAL NOTES AND
PAY ITEM NOTES

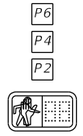
SHEET NO.
T-4



3-SECT., 1-WAY
1 AS
650-1-14



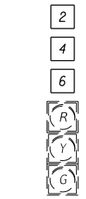
4-SECT., 1-WAY
1 AS
650-1-16



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
6 AS
653-1-11

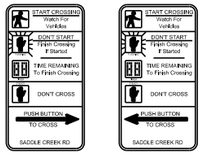
PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
2 EXISTING
(TO BE REMOVED)

* ALL SIGNAL HEADS SHALL BE LED TYPE AND SHALL HAVE TUNNEL VISORS AND BACK PLATES WITH REFLECTIVE BORDER.

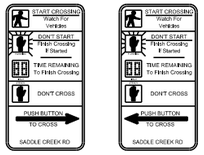


3-SECT., 1-WAY
5 EXISTING

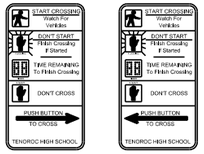
5-SECT., 1-WAY
1 EXISTING



SIGN R10-031
FOR P2 ONLY



SIGN R10-031
FOR P4 ONLY

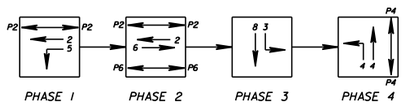


SIGN R10-031
FOR P6 ONLY

CONTROLLER NOTES:

1. MAJOR STREET IS SADDLE CREEK RD, AND PHASE 1 (MOVEMENT 2 AND 6). (FLASH YELLOW)
2. MINOR STREET IS TENOROC SCHOOL ENTRANCE, AND PHASE 3 (MOVEMENTS 4 AND 8). (FLASH RED)
3. MODIFIED STANDARD OPERATION PLAN (SOP) NO. 16 WITH THE FOLLOWING:
   - WIRE INTERSECTION FOR FUTURE SOP 10.
   - CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENT 2 (P2), 4 (P4) AND 6 (P6).
4. EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.
5. ROADWAY CROWN ELEVATION IS 121.17 FEET.

MODIFIED SIGNAL OPERATION PLAN NO. 16

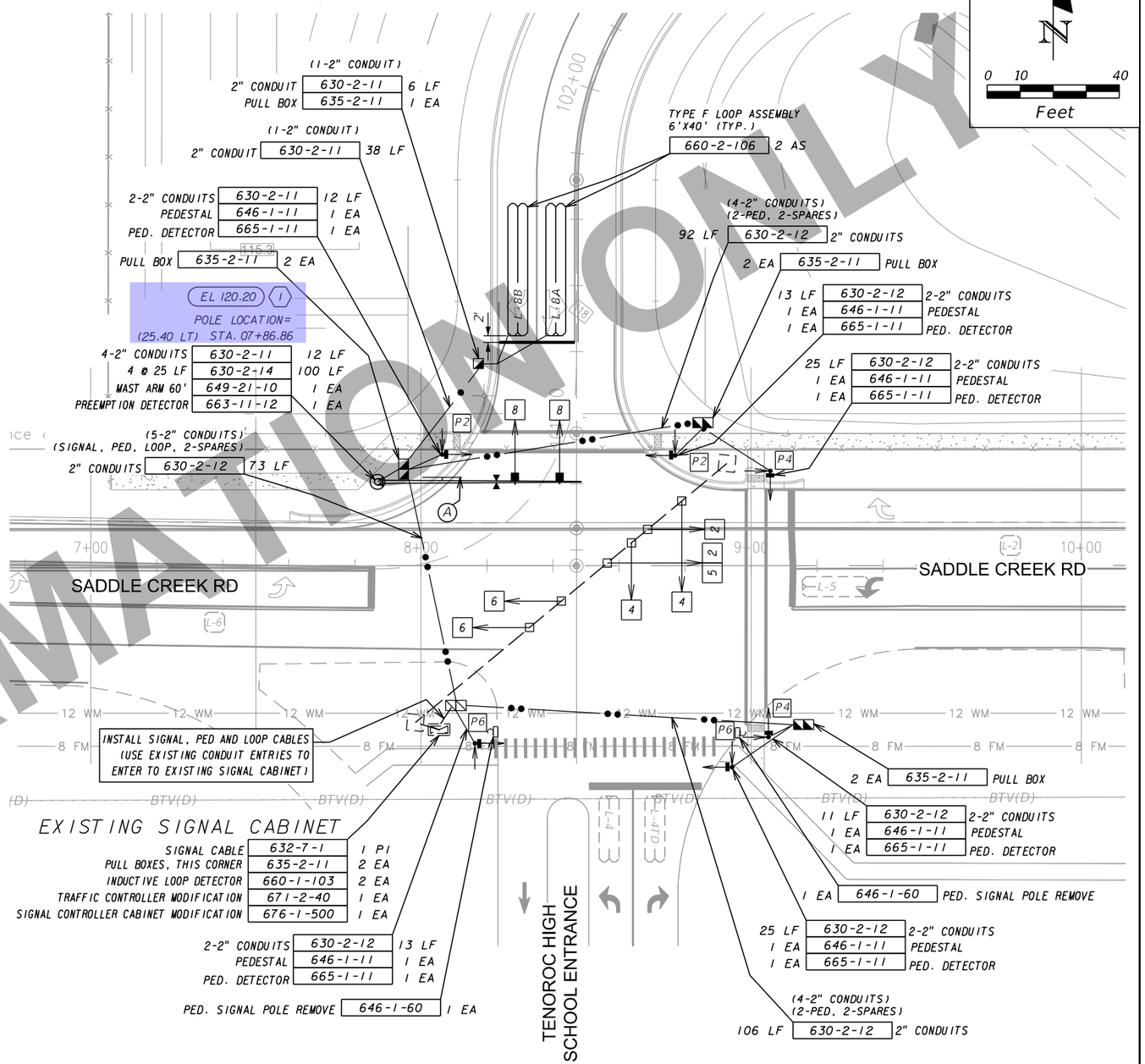


CONTROLLER TIMINGS									
TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN		10		5	5	10		5
	EXTENSION		3		3	3	3		3
	MAXIMUM GREEN 1		40		30	25	40		30
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE		4.8		4.0	4.8	4.8		4.0
	ALL RED		2		2	2	2		2
	PEDESTRIAN WALK		7		7		7		
	PED. CLEARANCE		16		21		19		
	RECALL		ON				ON		

DETECTORS FOR LOOPS				
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	NO. OF EXIST. DETS.	DELAY TIME (SEC)
L-2	1		1	
L-4	1		1	
L-4TD	1		1	5
L-5	1		1	
L-6	1		1	
L-8A	1	1		
L-8B	1	1		

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

(A) Saddle Creek Rd — 700-5-22 — 1 EA



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

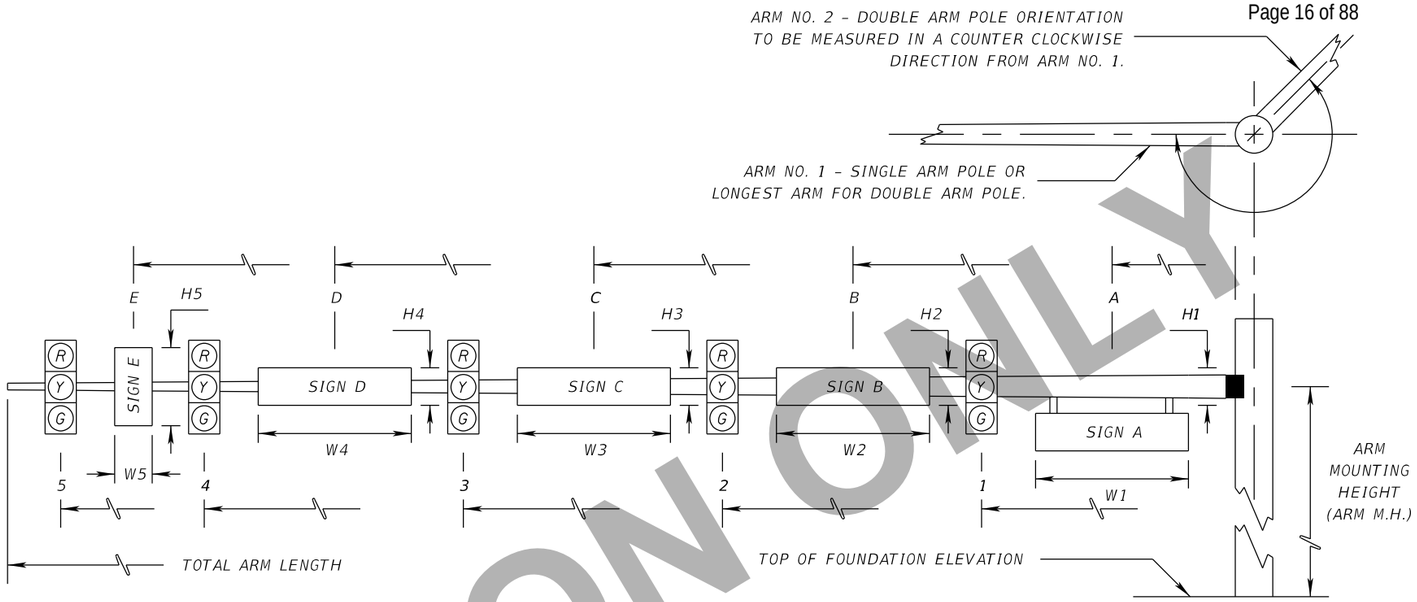
SADDLE CREEK RD AT TENEROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

SIGNALIZATION PLAN

SHEET NO. T-5

Two configurations proposed. The mast arm was conservatively designed for the worst-case scenario loading condition - the future loading configuration.



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	LUMI-NAIRE Y/N	TERM. COMP. Y/N	SIGNAL DATA: SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE: 1	*	2	*	3	*	4	*	5	*	TOTAL ARM LENGTH	ARM M.H.	ANGLE BETWEEN DUAL ARMS 90/270	SIGN DATA: DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN: A	H1	W1	B	H2	W2	C	H3	W3	D	H4	W4	E	H5	W5	PAINT COLOR
1	T-5	07+86.86	120.20	1	121.17	N		V	Y	Y	40'	3	54'	3							60'	21.25'		18'	2'	8'														
FUTURE LOADING																																									
1	T-5	07+86.86	120.20	1	121.17	N		V	Y	Y	32'	3	40'	3	54'	4					60'	21.25'		18'	2	8												47'	4'	4'	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENEROC HIGH SCHOOL TRAFFIC SIGNAL DESIGN		
ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

STANDARD MAST ARM TABULATION

SHEET NO. T-8

FOR INFORMATION ONLY

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PREPARED BY: ***PATEL, GREENE*** ***& ASSOCIATES, LLC***	***Saddle Creek Rd at Tenoroc High School*** ***Mast Arm Clearance Checks***	***DES. BY: TLC*** ***DATE: 07/23*** ***CHK. BY: MSL*** ***DATE: 07/23***

MAST ARMS CLEARANCE CHECK

Minimum Clearance 17.5 ft *(Ref 650-3.3 Standard Specifications)*
Maximum Clearance 19.0 ft

Input Output Result

Pole #	Intersection	Station	Offset	Arm #	Length of Arm (ft)
1	**Saddle Creek Rd & Teneroc High School**	**07+86.86**	**25.40 LT**	**1**	**60**
1 Future	**Saddle Creek Rd & Teneroc High School Future**	**07+86.86**	**25.40 LT**	**1**	**60**

Note: As per SPI 649-030 (10), a standard signal section is approximately 14" square + 6" on each side (for backplates). *

Max. height of 3-signal (ft)	4.5
Max. height of 4-signal (ft)	5.7

Pole #	Arm #	Elevation of:		Height of grout pad**	Distance CL Arm to Bottom of Signal/Sign	Arm Mounting Height (18'-22')	Signal Shift Differential	Clearance	Within Range (17.5'-19.0')
		Crown	Top of Foundation						
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	**1**	**121.17**	**120.20**	**0.33**	**2.25**	**21.25**	**0.00**	**18.36**	**OK**
1 Future	**1**	**121.17**	**120.20**	**0.33**	**2.83**	**21.25**	**0.00**	**17.78**	**OK**

** 3 inches to compensate for attachment hardware per SPI 649-030 (10) not included since hardware does not project beyond backplates.*

*** Height of grout pad estimated as the diameter of one anchor bolt plus the thickness of one leveling nut, which was also taken as the diameter of one anchor bolt.*

POLE ID 1

Design Aid for FDOT Standard Mast Arm Assemblies (Standard Plans Index 649-030)

Mast Arm Assembly Information

Wind Speed: ○ 130 mph ◉ 150 mph ○ 170 mph

Signal Orientation: ◉ Vertical ○ Horizontal

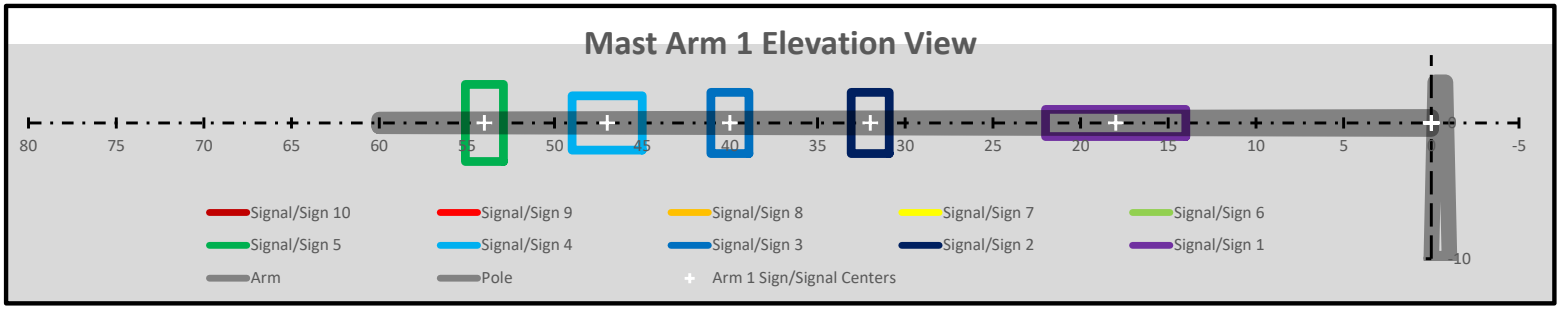
Back Plate Width: ◉ 6.0 in. ○ 2.5 in. ○ 0 in.

Arm 1 Length: 30 40 50 [60] 70 78

Luminaire? ○ Yes ◉ No

Arm 1 Length, Signal/Sign Location and Size

	Signal\Sign #10	Signal\Sign #9	Signal\Sign #8	Signal\Sign #7	Signal\Sign #6	Signal\Sign #5	Signal\Sign #4	Signal\Sign #3	Signal\Sign #2	Signal\Sign #1
	◉ None	◉ None	◉ None	◉ None	◉ None	○ None	○ None	○ None	○ None	○ None
	○ 3 Head	○ 3 Head	○ 3 Head	○ 3 Head	○ 3 Head	○ 3 Head	○ 3 Head	◉ 3 Head	◉ 3 Head	○ 3 Head
	○ 4 Head	○ 4 Head	○ 4 Head	○ 4 Head	○ 4 Head	◉ 4 Head	○ 4 Head	○ 4 Head	○ 4 Head	○ 4 Head
	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head	○ 5 Head
	○ Sign	○ Sign	○ Sign	○ Sign	○ Sign	○ Sign	◉ Sign	○ Sign	○ Sign	◉ Sign
Dist to Pole (ft.)						54	47	40	32	18
Sign Width (in.)							48			96
Sign Height (in.)							48			24
Area (SF)	0.0	0.0	0.0	0.0	0.0	12.3	16.0	9.8	9.8	16.0
*M_{wl} (kip*ft)*	0	0	0	0	0	42	47	25	20	18



Arm 1 Length (ft)	60	
Standard Plans Index 649-030	**Regular**	**Heavy Duty**
Dia. at Arm Base (in)	15	16
Wall Thickness (in)	0.3750	0.3750
Resistance (M_r=ϕM_n) (kip*ft)	300	342
95% M_r (kip*ft)	285	325

Arm 1 Loads	Regular	Heavy Duty
1.1*Arm M_{dl} (kip*ft)	62	68
Arm M_{wl} (kip*ft)	63	71
1.1*Sign/Signal M_{dl} (kip*ft)	12	
Sign/Signal M_{wl} (kip*ft)	152	
Total Moment ($M_{extreme}$)	227	237

Mast Arm Assembly Designation
One Arm Assembly
A60/S-P4/S-DS/14/4.5

Notes:

Run the FDOT Mast Arm Mathcad Program for more accurate results.

For new designs, always design with 6" backplates.

Mast Arm Assembly ID consists of three parts for a single arm and 4 parts for a double Arm. Each part is separated by "-".

Part 1 is Arm 1: Axx/y/z, where xx is the arm length, y is "S" for single arm or "D" for double arms and z is "H" for heavy duty arm or blank for regular arm.

Part 2 is Arm 2 and has the same nomenclature as the 1st arm. For single arm assemblies, Part 2 is omitted.

Part 3 is the Pole: Px/y/z where x is the pole ID, y is "S" for single arm or "D" for double arms and z is "L" for luminaire or blank for no luminaire.

Part 4 is the Drilled Shaft: DS/xx/y where xx is the shaft length and y is the shaft diameter.

Arm to pole connection is assumed at 22 ft. above the base.

No foundation offset is considered. If the top of drilled shaft > 2 feet above ground, run the Mathcad Mast Arm Program.

FDOT Mast Arm Traffic Signal Support Analysis Program V2.0

State Structures Design Office

This program works in conjunction with FDOT Mast Arm Standard Plans 649-030 & 649-031.

References:
AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LRFDLTS).
FDOT Structures Manual Volume 3 (SM V3).
AISC Steel Construction Manual

For more information see Reference.xmcd and Changes.xmcd.

Reference

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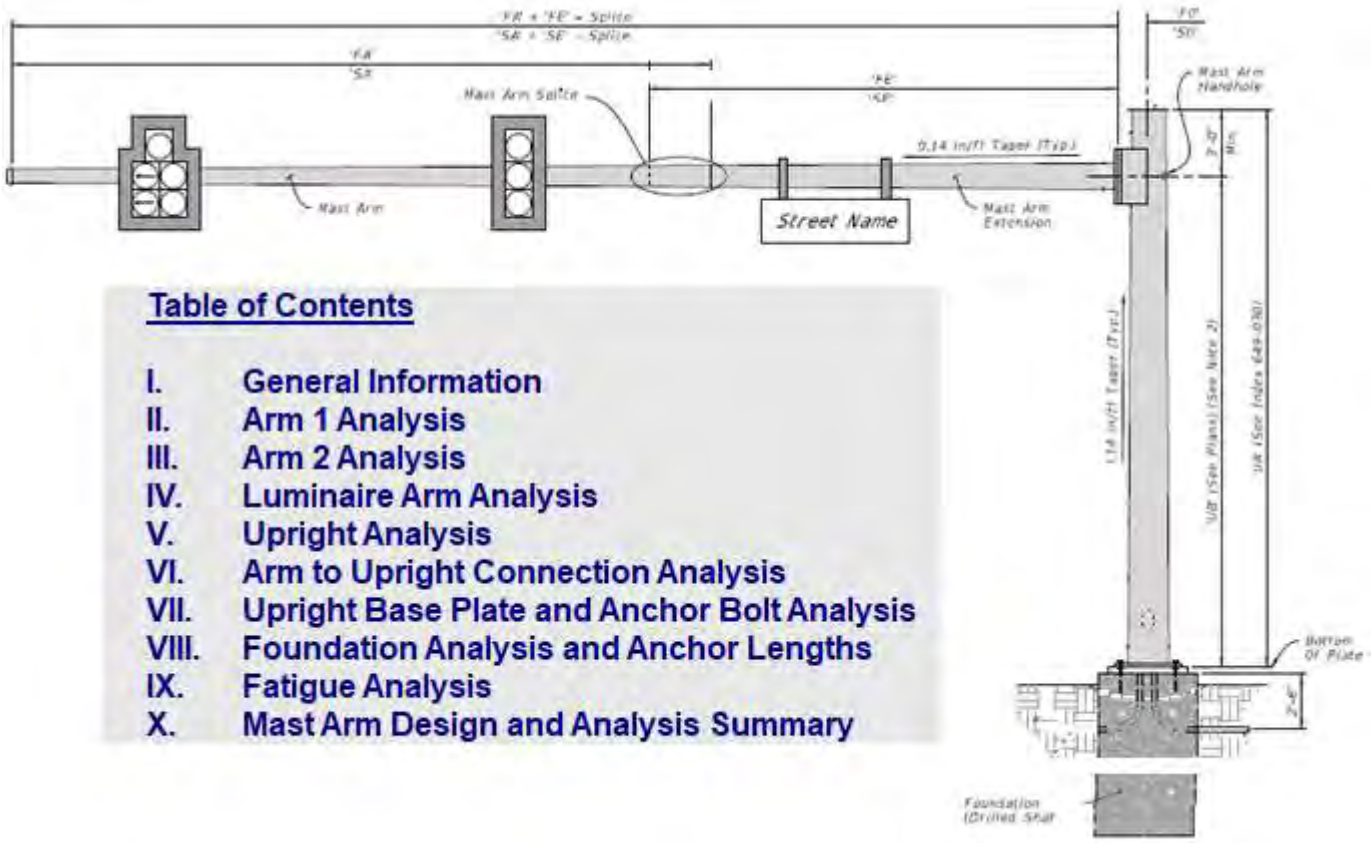


Table of Contents

I. General Information
II. Arm 1 Analysis
III. Arm 2 Analysis
IV. Luminaire Arm Analysis
V. Upright Analysis
VI. Arm to Upright Connection Analysis
VII. Upright Base Plate and Anchor Bolt Analysis
VIII. Foundation Analysis and Anchor Lengths
IX. Fatigue Analysis
X. Mast Arm Design and Analysis Summary

Data Folder and Files

Data Files Folder

Change Folder

C:\Users\Tanna.Campbell\Desktop\Tasks\0 Local Copy of My Tasks\Mast Arm Analyses\VIBE Saddle Creek School\Calculations\1. Mast Arm Analysis\MastArmV2.0\Data\

Required - Open Existing Data File. To save New Data Files, enter data variables at the end of Section IX.

Refresh List

Open File

A78D-A30D-P6DL.dat
A78D-A50D-P6DL.dat
A78D-A70D-P7DL.dat
A78DH-A40DH-P6DL.dat
A78DH-A60DH-P6DL.dat
A78DH-A78DH-P7DL.dat
A78SH-P6SL.dat
MA 1 Saddle Creek at Tenoroc HS.dat

I. General Information and Sign & Signal Data

Enter Project Information

Project Name	Saddle Creek_Tenoroc HS Pole 1		
Project No.	No FPID		
Designed by	TLC	*Date*	07 / 2023
Checked by	MSL	*Date*	07 / 2023
Signal Name	Pole ID 1		
Station/Offset	07+86.86 / 25.40' LT		

Enter Wind Speed

Design Wind Speed 150 *mph*

Extreme Event Wind Speed

SDG Wind Speeds by County

Enter Arm Lengths, Signal and Sign Data

Arm 1

Arm 1 Length 60 Reset Arm 1 Data

Arm1 Signal Number	*Distance to Signal (ft)*	*Number of Heads*
1	32	3
2	40	3
3	54	4
4		
5		
6		
7		
8		
9		
10		

Arm 2 *Set Arm 2 Length = 0 for single arm Mast Arms*

Arm 2 Length 0 Reset Arm 2 Data

Arm2 Signal Number	*Distance to Signal (ft)*	*Number of Heads*
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Arm 1 Sign Panels

Arm1 Sign Panel Number	*Distance to Panel (ft)*	*Panel Area (sf)*
1	18	16
2	47	16
3		
4		
5		

Arm 2 Sign Panels

Arm2 Sign Panel Number	*Distance to Panel (ft)*	*Panel Area (sf)*
1		
2		
3		
4		
5		

Save Data for Signs and Signals

II. Arm 1 Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat" $V_{extreme} = 150 \cdot mph$

Reference:C:\Users\Tanna.Campbell\Desktop\Tasks\0 Local Copy of My Tasks\Mast Arm Analyses\VIBE Saddle Creek School\Calculations\1. M

Arm Extension (for 2 piece arms only)

Iterate on Base Diameters and Wall Thicknesses	$L_{total.arm1} = 60\,ft$ *feet, 40 ft. max. for 1 piece arms*	12 *Measured flat to flat* **'FC'**	0.25 **'FD'**	15 *Measured flat to flat* **'FG'**	0.375 **'FH'**

Arm 1 Analysis including Existing Mast Arm Analysis (Additional Variables Required)

Existing Mast Arm Analysis including additional Signal and Sign Variables

When analyzing existing Mast Arms, the following methods can be used to reduce the forces used in the analysis.

- *a reduction in wind speed based on the contours shown in the AASHTO LTS Design Specification*
- *field verified* #Sides *of the tubes and verified steel yield strength* F_y.
- *a reduction in back plate area if flexible back plates are installed (see FDOT APL for approved flexible back plates)*

LRFD LTS Wind Speed Map

The Wind Speed , , used for the analysis of existing Mast Arms can be interpolated to the nearest 5 mph from the contours of the map given in the LRFDLTS Specifications

ExistingMastArm := ☐ Exis

If this box ix checked, the values chosen in SignalBackPlate *and* SignalOrientation *will used to calculate the final results*

additional Variables needed for reduced back plate area

	AASHTO Cd	Horiz. Signal Cd	Vert. Signal Cd
6 in. Backplate	Design		
2.5 in. Backplate		Analysis	
0 in. Backplate			

None
Rigid, 6 inches wide
Flexible, 2.5 inches wide

None = 0 inch back plate
Rigid = 6 inch back plate
Flexible = 2.5 inch back plate

Choose the type of back plate used in the analysis of an existing mast arm. For the design a new mast arms, a rigid back plate is assumed.

Vertical
Horizontal

Horizontal and vertical signals are treated the same: the resultant force is placed at the center of the signal. This toggle's only functiion is to draw the signals in their proper orientation.

ExistingMastArm = "No"

ExistingStructurelBackPlate = "None"

DesignStructurelBackPlate := "Rigid, 6 inches wide"

BackPlate := if(ExistingMastArm = "No" , DesignStructurelBackPlate, ExistingStructurelBackPlate) = "Rigid, 6 inches wide"

Arm 1 Data

$Diameter_{base.arm1_0} := str2num(inpArm1BaseDia1)\cdot in = 12\cdot in$

$Diameter_{base.arm1_1} := if(inpArm1BaseDia2 = "" , 0\cdot in, str2num(inpArm1BaseDia2)\cdot in) = 15\cdot in$

$Diameter_{base.arm1} = \begin{pmatrix} 12 \\ 15 \end{pmatrix} \cdot in$

$t_{wall.arm1_0} := str2num(inpArm1WallThk1)\cdot in = 0.25\cdot in$

$t_{wall.arm1_1} := if(inpArm1WallThk2 = "" , 0\cdot in, str2num(inpArm1WallThk2)\cdot in) = 0.375\cdot in$

$t_{wall.arm1} = \begin{pmatrix} 0.250 \\ 0.375 \end{pmatrix} \cdot in$

data to use for PRN reads and writes for Mathcad Prime Conversion

$idx := idx + 1 = 20 \qquad DataOut_{idx} := \frac{Diameter_{base.arm1}}{in}$

$idx := idx + 1 = 21 \qquad DataOut_{idx} := \frac{t_{wall.arm1}}{in}$

Switch values, set values for DataOut

Sort Signal and Sign Data

$\#Signals_{arm1} = 3$

$i1 := 0 .. max(\#Signals_{arm1} - 1, 0)$

$X_{signal.arm1_{i1}} := Signals_{arm1_{i1,0}} \cdot ft$

$Sections_{signal.arm1_{i1}} := Signals_{arm1_{i1,1}} \qquad i1 = \begin{pmatrix} 0 \\ 1 \\ 2 \end{pmatrix} \qquad X_{signal.arm1} = \begin{pmatrix} 32 \\ 40 \\ 54 \end{pmatrix} ft \qquad Sections_{signal.arm1} = \begin{pmatrix} 3 \\ 3 \\ 4 \end{pmatrix}$

$\#Panels_{arm1} = 2$

$j1 := 0 .. max(\#Panels_{arm1} - 1, 0)$

$X_{panel.arm1_{j1}} := Signs_{arm1_{j1,0}} \cdot ft$

$Area_{panel.arm1_{j1}} := Signs_{arm1_{j1,1}} \cdot ft^2$

$X_{panel.arm1_0} := if(\#Panels_{arm1} = 0, 0.1\cdot ft, X_{panel.arm1_0})$

$Area_{panel.arm1_0} := if(\#Panels_{arm1} = 0, 0.1\cdot ft^2, Area_{panel.arm1_0})$

$j1 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$ $X_{panel.arm1} = \begin{pmatrix} 18 \\ 47 \end{pmatrix} ft$ $Area_{panel.arm1} = \begin{pmatrix} 16 \\ 16 \end{pmatrix} ft^2$

Note: To model a damping device the weight is approximately the same as a 3 section signal (58 pounds) and the effective area for wind loading is 2.1 square feet or less than half that of a 3 section signal at around 4.8 square feet

Arm Lengths

Knowing galvanizing thickness may vary, mast arm assemblies are designed for a 3 foot splice. If actual galvanizing thicknesses are significantly larger than the 3 mils specified (not uncommon), the arm may be a foot or so longer than designed, while the splice length will still comply with AASHTO requirements.

$Taper := 0.14 \cdot \frac{in}{ft}$ $t_{galv} := 0.003 \cdot in$ $L_{lap.add} := 6 \cdot in$ *additional length for fit-up*

$t_{wall.arm1} = \begin{pmatrix} 0.250 \\ 0.375 \end{pmatrix} \cdot in$ $Diameter_{base.arm1} = \begin{pmatrix} 12 \\ 15 \end{pmatrix} \cdot in$ $L_{total.arm1} = 60\,ft$

Defined as $L_{arm} - FA$

$Dist_{splice.from.base.arm1} := if\left[L_{total.arm1} \le 40 \cdot ft, 0, \frac{Diameter_{base.arm1_1} - \left[Diameter_{base.arm1_0} - \left(2 \cdot t_{wall.arm1_0} + 4 \cdot t_{galv}\right)\right]}{Taper}\right] = 25.09 \cdot ft$

$L_{splice.aashto.min.arm1} := 1.5 \cdot \left[Diameter_{base.arm1_0} - 2 \cdot \left(t_{wall.arm1_0}\right)\right] = 17.2 \cdot in$ *AASHTO minimum splice length*

$L_{splice.min.arm1} := if\left(L_{total.arm1} \le 40 \cdot ft, 0, ceil\left(L_{splice.aashto.min.arm1} \cdot \frac{2}{ft}\right) \cdot \frac{ft}{2} + L_{lap.add}\right) = 2.0 \cdot ft$ *round up to the nearest 0.5 ft*

Length of arm extension

$L_{arm1_1} := ceil\left(Dist_{splice.from.base.arm1} \cdot \frac{2}{ft}\right) \cdot \frac{ft}{2} + L_{splice.min.arm1} = 27.5\,ft$

Length of arm 1st piece considering the splice length

$L_{arm1_0} := if\left[L_{total.arm1} \le 40 \cdot ft, L_{total.arm1}, ceil\left[\left(L_{total.arm1} - Dist_{splice.from.base.arm1} + 2 \cdot in\right) \cdot \frac{2}{ft}\right] \cdot \frac{ft}{2}\right] = 35.5 \cdot ft$

Provided splice length based on the assumed galvanizing thickness

$L_{splice.provided.arm1} := L_{arm1_1} - Dist_{splice.from.base.arm1} = 29.0 \cdot in$

$L_{total.arm1} = 60\,ft$ $L_{arm1} = \begin{pmatrix} 35.5 \\ 27.5 \end{pmatrix} ft$ $Diameter_{base.arm1} = \begin{pmatrix} 12.00 \\ 15.00 \end{pmatrix} \cdot in$

$$fCheckArmSectionLength(Len) := \begin{| check \leftarrow "OK" \\ check \leftarrow "NoGood" \text{ if } (max(Len) > 43 \cdot ft) \\ check \leftarrow "N/A" \text{ if } max(Len) = 0 \cdot in \\ check \end{|}$$

$CheckSectionLength_{arm1} := fCheckArmSectionLength\left(L_{arm1}\right)$ $CheckSectionLength_{arm1} = "OK"$

$z := 0..1$

$\text{Diameter}_{\text{tip.arm1}_z} := \text{Diameter}_{\text{base.arm1}_z} - L_{\text{arm1}_z} \cdot \text{Taper}$ $\quad \text{Diameter}_{\text{tip.arm1}} = \begin{pmatrix} 7.03 \\ 11.15 \end{pmatrix} \cdot \text{in}$

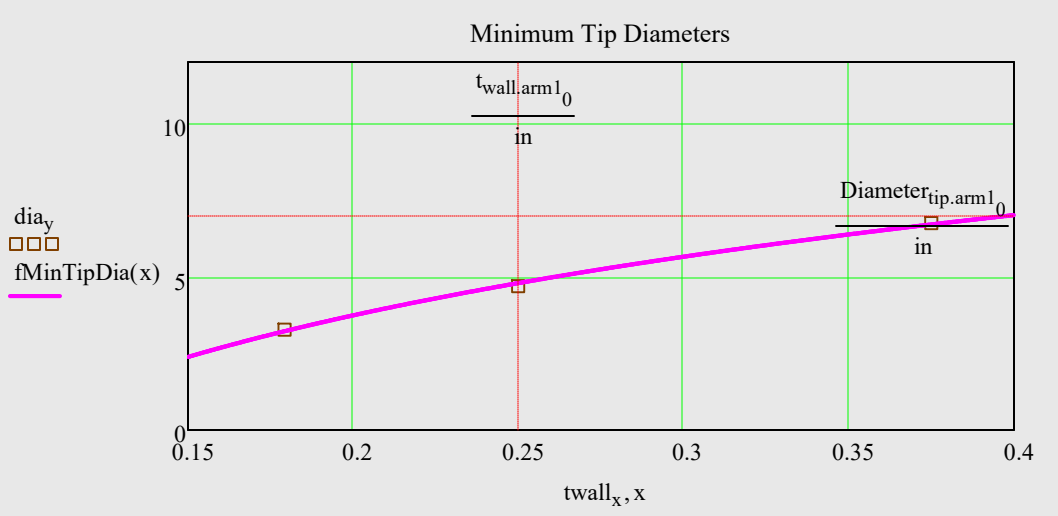
function for minimum tip diameter

Minimum Tip Diameter = 4.7" in. for 3 gage and 3.28" in. for 7 gage, see reference file

$\text{twall}_x := \begin{pmatrix} 0.1793 \\ 0.250 \\ 0.375 \end{pmatrix}$ $\quad \text{dia}_y := \begin{pmatrix} 3.28 \\ 4.7 \\ 6.75 \end{pmatrix}$ *for 1/2" wall, the minimum tip diameter is approximately 10"*

$\text{Coeffs} := \text{lnfit}(\text{twall}_x, \text{dia}_y)$ $\quad \text{Coeffs} = \begin{pmatrix} 4.72 \\ 11.33 \end{pmatrix}$

$\text{fMinTipDia}(\text{tipdia}) := \text{if}\left[(\text{tipdia} > 0), \left(\text{Coeffs}_0 \cdot \ln(\text{tipdia}) + \text{Coeffs}_1\right), (0)\right]$



$t_{\text{wall.arm1}_0} = 0.25 \cdot \text{in}$ $\quad \text{Diameter}_{\text{tip.arm1}_0} = 7.03 \cdot \text{in}$ $\quad \text{fMinTipDia}\left(\frac{t_{\text{wall.arm1}_0}}{\text{in}}\right) \cdot \text{in} = 4.795 \cdot \text{in}$

$$\text{fCheckTipDia}(\text{tipdia}, \text{twall}) := \left| \begin{array}{l} \text{check} \leftarrow \text{"NoGood"} \\ \text{check} \leftarrow \text{"N/A"} \quad \text{if} \quad \text{tipdia} = 0 \\ \text{check} \leftarrow \text{"OK"} \quad \text{if} \quad (\text{tipdia} \geq \text{fMinTipDia}(\text{twall})) \quad \text{otherwise} \\ \text{check} \end{array} \right.$$

$\text{CheckTipDia}_{\text{arm1}} := \text{fCheckTipDia}\left(\frac{\text{Diameter}_{\text{tip.arm1}_0}}{\text{in}}, \frac{t_{\text{wall.arm1}_0}}{\text{in}}\right) = \text{"OK"}$

Wind Pressure

$K_d := 0.85$ *directionality factor*

$G := 1.14$ *gust factor* **LTS 3.8.6**

$V_{extreme} = 150 \cdot mph$ **SM V3 3.8 and 3.8.2**

$$Pressure_{extreme.basic} := (0.00256 \cdot psf) \cdot \left(\frac{V_{extreme}}{mph}\right)^2 \cdot G \cdot K_d = 55.8 \cdot psf$$

$V_{service} := 90mph$

$$Pressure_{service} := (0.00256 \cdot psf) \cdot \left(\frac{V_{service}}{mph}\right)^2 \cdot G \cdot K_d = 20.1 \cdot psf$$

$height_{arm} := 24.4 \cdot ft$ *(min. 16 ft.)* *Use a 24.4 ft arm height in design. For existing mast arm analysis, this value may be modified to reflect the installed height*

constants that vary with exposure condition (values shown are for Exposure C as required by LRFD-LTS):

$z_g := 900 \cdot ft$ $\alpha := 9.5$

$K_{z.arm} := fK_z(height_{arm}, z_g, \alpha) = 0.94$ *height and exposure factor*

Signal DL and WL Moments and Shears

Use the folowing values in design. For existing mast arm analysis, these value may be modified to reflect actual values.

$Wt_{signal.head} := 14 \cdot lbf$ $Wt_{backplate} := 2 \cdot lbf$ $Wt_{bracket} := 5.3 \cdot lbf$ $C_{d.signal} := 1.2$ *(coeff drag)*

$Area_{signal.head} := (14 \cdot in)^2 = 1.36\,ft^2$ $Area_{bracket} := 0.29 \cdot ft^2$ $C_{d.backplate} := 1.2$

$Area_{backplate.3head.flexible} := 3.05 \cdot ft^2$ $Area_{backplate.3head.6inch} := 5.68 \cdot ft^2$

$Area_{backplate.4head.flexible} := 3.54 \cdot ft^2$ $Area_{backplate.4head.6inch} := 6.85 \cdot ft^2$

$Area_{backplate.5head.flexible} := 4.02 \cdot ft^2$ $Area_{backplate.5head.6inch} := 8.02 \cdot ft^2$

$$\begin{pmatrix} \text{Area}_{\text{backplate.3head}} \\ \text{Area}_{\text{backplate.4head}} \\ \text{Area}_{\text{backplate.5head}} \end{pmatrix} :=$$

$\text{area}_{\text{backplate.3head}} \leftarrow \text{Area}_{\text{backplate.3head.6inch}}$

$\text{area}_{\text{backplate.4head}} \leftarrow \text{Area}_{\text{backplate.4head.6inch}}$

$\text{area}_{\text{backplate.5head}} \leftarrow \text{Area}_{\text{backplate.5head.6inch}}$

if $[(\text{ExistingMastArm} = \text{"Yes"}) \cdot (\text{BackPlate} = \text{"None"})]$

- $\text{area}_{\text{backplate.3head}} \leftarrow 0 \cdot \text{in}$
- $\text{area}_{\text{backplate.4head}} \leftarrow 0 \cdot \text{in}$
- $\text{area}_{\text{backplate.5head}} \leftarrow 0 \cdot \text{in}$

if $[(\text{ExistingMastArm} = \text{"Yes"}) \cdot (\text{BackPlate} = \text{"Flexible, 2.5 inches wide"})]$

- $\text{area}_{\text{backplate.3head}} \leftarrow \text{Area}_{\text{backplate.3head.flexible}}$
- $\text{area}_{\text{backplate.4head}} \leftarrow \text{Area}_{\text{backplate.4head.flexible}}$
- $\text{area}_{\text{backplate.5head}} \leftarrow \text{Area}_{\text{backplate.5head.flexible}}$

$$\begin{pmatrix} \text{area}_{\text{backplate.3head}} \\ \text{area}_{\text{backplate.4head}} \\ \text{area}_{\text{backplate.5head}} \end{pmatrix}$$

$$\begin{pmatrix} \text{Area}_{\text{backplate.3head}} \\ \text{Area}_{\text{backplate.4head}} \\ \text{Area}_{\text{backplate.5head}} \end{pmatrix} = \begin{pmatrix} 5.68 \\ 6.85 \\ 8.02 \end{pmatrix} \cdot \text{ft}^2$$

$$\text{Wt}_{\text{signal.section.arm1}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), (0 \cdot \text{lbf}), \left(\text{Wt}_{\text{signal.head}}\right)\right] = 14 \cdot \text{lbf}$$

$$\text{EPA}_{\text{signal.section.arm1}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), \left(0 \cdot \text{ft}^2\right), \left(\text{C}_{\text{d.signal}} \cdot \text{Area}_{\text{signal.head}}\right)\right] = 1.6 \cdot \text{ft}^2$$

$$\text{Wt}_{\text{backplate.arm1}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), (0 \cdot \text{lbf}), \left(\text{Wt}_{\text{backplate}}\right)\right] = 2 \cdot \text{lbf}$$

$$\text{Area}_{\text{backplate.arm1}_{i1}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), \left(0 \cdot \text{ft}^2\right), \left(\text{Area}_{\text{backplate.3head}}\right)\right]$$

$$\text{Area}_{\text{backplate.arm1}_{i1}} := \text{if}\left[\left(\text{Sections}_{\text{signal.arm1}_{i1}} = 4\right), \left(\text{Area}_{\text{backplate.4head}}\right), \text{Area}_{\text{backplate.arm1}_{i1}}\right]$$

$$\text{Area}_{\text{backplate.arm1}_{i1}} := \text{if}\left[\left(\text{Sections}_{\text{signal.arm1}_{i1}} = 5\right), \left(\text{Area}_{\text{backplate.5head}}\right), \text{Area}_{\text{backplate.arm1}_{i1}}\right]$$

$$\text{EPA}_{\text{backplate.arm1}_{i1}} := \text{C}_{\text{d.backplate}} \cdot \text{Area}_{\text{backplate.arm1}_{i1}}$$

$$\text{Wt}_{\text{bracket.arm1}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), (0 \cdot \text{lbf}), \left(\text{Wt}_{\text{bracket}}\right)\right]$$

$$\text{Area}_{\text{bracket}} := \text{if}\left[\left(\#\text{Signals}_{\text{arm1}} = 0\right), \left(0 \cdot \text{ft}^2\right), \left(\text{Area}_{\text{bracket}}\right)\right]$$

$$\text{Wt}_{\text{signal.arm1}_{i1}} := \text{Sections}_{\text{signal.arm1}_{i1}} \cdot \text{Wt}_{\text{signal.section.arm1}} + \text{Wt}_{\text{backplate.arm1}} + \text{if}\left[\left(\text{X}_{\text{signal.arm1}_{i1}} = 0 \cdot \text{ft}\right), 0 \cdot \text{lbf}, \text{Wt}_{\text{bracket.arm1}}\right]$$

$$P_{signal.arm1_{i1}} := \left(Sections_{signal.arm1_{i1}} \cdot EPA_{signal.section.arm1} + EPA_{backplate.arm1_{i1}} + Area_{bracket}\right) \cdot Pressure_{extreme.basic} \cdot K_{z.arm}$$

$$Wt_{signal.arm1}^{T} = (49 \quad 49 \quad 63) \cdot lbf$$

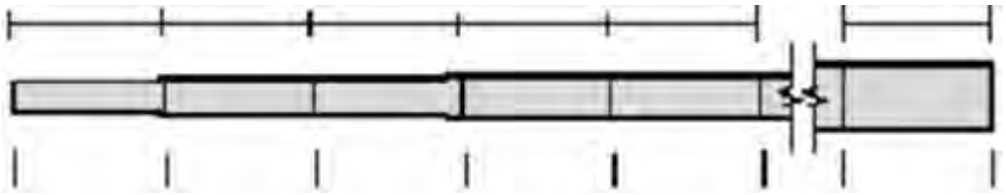
$$P_{signal.arm1}^{T} = (627 \quad 627 \quad 786) \cdot lbf$$

$$P_{service.signal.arm1_{i1}} := \left(Sections_{signal.arm1_{i1}} \cdot EPA_{signal.section.arm1} + EPA_{backplate.arm1_{i1}} + Area_{bracket}\right) \cdot Pressure_{service} \cdot K_{z.arm}$$

$$P_{service.signal.arm1}^{T} = (226 \quad 226 \quad 283) \cdot lbf$$

$$\#Sections := 20 \qquad n := 0 .. \#Sections$$

segments n=1..20 *segment 1* *segment 2* *segment 3* *segment 4* *segment5* .. *segment 50*



sections n=0..20 *0* *1* *2* *3* *4* *5* .. *49* *20*

$$X_{section.arm1_n} := L_{total.arm1} - L_{total.arm1} \cdot \frac{n}{\#Sections}$$

$$M_{dl.signal.arm1_n} := \sum_{i1} \left[Wt_{signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0 \cdot ft, X_{signal.arm1_{i1}} - X_{section.arm1_n} \right] \right] \right]$$

$$M_{wl.signal.arm1_n} := \sum_{i1} \left[P_{signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0 \cdot ft, X_{signal.arm1_{i1}} - X_{section.arm1_n} \right] \right] \right]$$

$$V_{dl.signal.arm1_n} := \sum_{i1} \left[Wt_{signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0, 1 \right] \right] \right]$$

$$V_{wl.signal.arm1_n} := \sum_{i1} \left[P_{signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0, 1 \right] \right] \right]$$

$$M_{serv.wl.signal.arm1_n} := \sum_{i1} \left[P_{service.signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0 \cdot ft, X_{signal.arm1_{i1}} - X_{section.arm1_n} \right] \right] \right]$$

$$V_{serv.wl.signal.arm1_n} := \sum_{i1} \left[P_{service.signal.arm1_{i1}} \cdot \left[if\left[\left(X_{signal.arm1_{i1}} - X_{section.arm1_n} < 0 \cdot ft \right), 0, 1 \right] \right] \right]$$

Sign Panel DL and WL Moments and Shears

$UnitWt_{panel} := 9.0 \cdot \frac{lbf}{ft^2}$

Internally illuminated sign weights vary from 5-9psf. All signs were conservatively taken with a weight of 9psf.

$\frac{L_{sign}}{W_{sign}}$	$C_{d.sign}$
1.0	1.12
2.0	1.19
5.0	1.20
10.0	1.23
15.0	1.30

$C_{d.panel} := 1.2$

Use 1.2 for coefficient of drag for sign panels in design. For existing mast arm analysis this value may be modified in accordance with LRFD-LTS

$Area_{panel.arm1_{j1}} := if\left[\left(\#Panels_{arm1} = 0\right), 0 \cdot ft^2, Area_{panel.arm1_{j1}}\right]$

$j1 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$ $X_{panel.arm1} = \begin{pmatrix} 18 \\ 47 \end{pmatrix} ft$ $Area_{panel.arm1} = \begin{pmatrix} 16 \\ 16 \end{pmatrix} ft^2$

$Wt_{panel.arm1_{j1}} := Area_{panel.arm1_{j1}} \cdot UnitWt_{panel}$ $Wt_{panel.arm1}^{T} = (144 \quad 144) \cdot lbf$

$P_{panel.arm1_{j1}} := Area_{panel.arm1_{j1}} \cdot Pressure_{extreme.basic} \cdot C_{d.panel} \cdot K_{z.arm}$ $P_{panel.arm1}^{T} = (1003 \quad 1003) \cdot lbf$

$P_{service.panel.arm1_{j1}} := Area_{panel.arm1_{j1}} \cdot Pressure_{service} \cdot C_{d.panel} \cdot K_{z.arm}$ $P_{service.panel.arm1}^{T} = (361 \quad 361) \cdot lbf$

$M_{dl.panel.arm1_n} := \sum_{j1} \left[Wt_{panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0 \cdot ft, X_{panel.arm1_{j1}} - X_{section.arm1_n}\right]\right]\right]$

$M_{wl.panel.arm1_n} := \sum_{j1} \left[P_{panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0 \cdot ft, X_{panel.arm1_{j1}} - X_{section.arm1_n}\right]\right]\right]$

$V_{dl.panel.arm1_n} := \sum_{j1} \left[Wt_{panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0, 1\right]\right]\right]$

$V_{wl.panel.arm1_n} := \sum_{j1} \left[P_{panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0, 1\right]\right]\right]$

$M_{serv.wl.panel.arm1_n} := \sum_{j1} \left[P_{service.panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0 \cdot ft, X_{panel.arm1_{j1}} - X_{section.arm1_n}\right]\right]\right]$

$V_{serv.wl.panel.arm1_n} := \sum_{j1} \left[P_{service.panel.arm1_{j1}} \cdot \left[if\left[\left(X_{panel.arm1_{j1}} - X_{section.arm1_n} < 0 \cdot ft\right), 0, 1\right]\right]\right]$

Mast Arm Bare Steel Section Properties, Moments, and Shears

1. Section Properties *(assume a 12 sided section in design)* #Sides := 12

For existing mast arm analysis, the installed #Sides *may be used.*

LTS Appendix Table B.2-1

$$R_{od_n} := \begin{cases} \left[\frac{1}{2}\cdot\left[Diameter_{base.arm1_0} - \frac{L_{total.arm1}\cdot(\#Sections - n)}{\#Sections}\cdot Taper\right]\right] & \text{if } L_{arm1_1} = 0 \\ \left[\frac{1}{2}\cdot\left[Diameter_{base.arm1_1} - \frac{L_{total.arm1}\cdot(\#Sections - n)}{\#Sections}\cdot Taper\right] + if\left(L_{arm1_0} \le \frac{L_{total.arm1}}{\#Sections}\cdot n, 0\cdot in, t_{wall.arm1_0}\right)\right] & \text{otherwise} \end{cases}$$

$$t_{arm1_n} := if\left[\left(X_{section.arm1_n} - L_{arm1_1} < 0\cdot in\right), t_{wall.arm1_1}, t_{wall.arm1_0}\right]$$

$$R_{id_n} := R_{od_n} - t_{arm1_n} \qquad R_{mid_n} := R_{od_n} - \frac{t_{arm1_n}}{2}$$

$$A_{arm1_n} := fA\left(R_{mid_n}, t_{arm1_n}, \#Sides\right)$$

$$I_{arm1_n} := fI\left(R_{mid_n}, t_{arm1_n}, \#Sides\right)$$

$$S_{arm1_n} := fS\left(R_{mid_n}, t_{arm1_n}, \#Sides\right)$$

inside bend radius of arm tube wall plate:

$$fRInsideBend(t) := \begin{cases} 0.63\cdot in & \text{if } t \le 0.1196\cdot in \\ 1.31\cdot in & \text{if } 0.1196\cdot in < t \le 0.1875\cdot in \\ 1.75\cdot in & \text{if } 0.1875\cdot in < t \le 0.25\cdot in \\ 1.94\cdot in & \text{if } 0.25\cdot in < t \le 0.3125\cdot in \\ 2.13\cdot in & \text{if } 0.3125\cdot in < t \le 0.375\cdot in \\ 2.56\cdot in & \text{if } 0.375\cdot in < t \le 0.4375\cdot in \\ 3.0\cdot in & \text{if } 0.4375\cdot in < t \le 0.5\cdot in \\ \text{"N.G."} & \text{otherwise} \end{cases}$$

inside bend radius of pole tube wall plate by Millerbernd:

r_b	t_{wall}
0.1875·in	1.31·in
0.25·in	1.75·in
0.3125·in	1.94·in
0.375·in	2.13·in
0.438·in	2.56·in
0.50·in	3.00·in

$$r_{barm1_z} := fRInsideBend\left(t_{wall.arm1_z}\right) \qquad r_{barm1} = \begin{pmatrix} 1.75 \\ 2.13 \end{pmatrix}\cdot in$$

inside bend radius of arm tube wall plate:

$$r_{b.arm1_n} := if\left[\left(X_{section.arm1_n} - L_{arm1_1} < 0\cdot in\right), r_{barm1_1}, r_{barm1_0}\right]$$

$$r_{c.arm1_n} := \frac{r_{b.arm1_n} + if\left[\left(X_{section.arm1_n} - L_{arm1_1} < 0\cdot in\right), t_{wall.arm1_1}, t_{wall.arm1_0}\right]}{R_{id_n}}$$

$$r_{s.arm1_n} := \frac{r_{b.arm1_n}}{R_{od_n}}$$

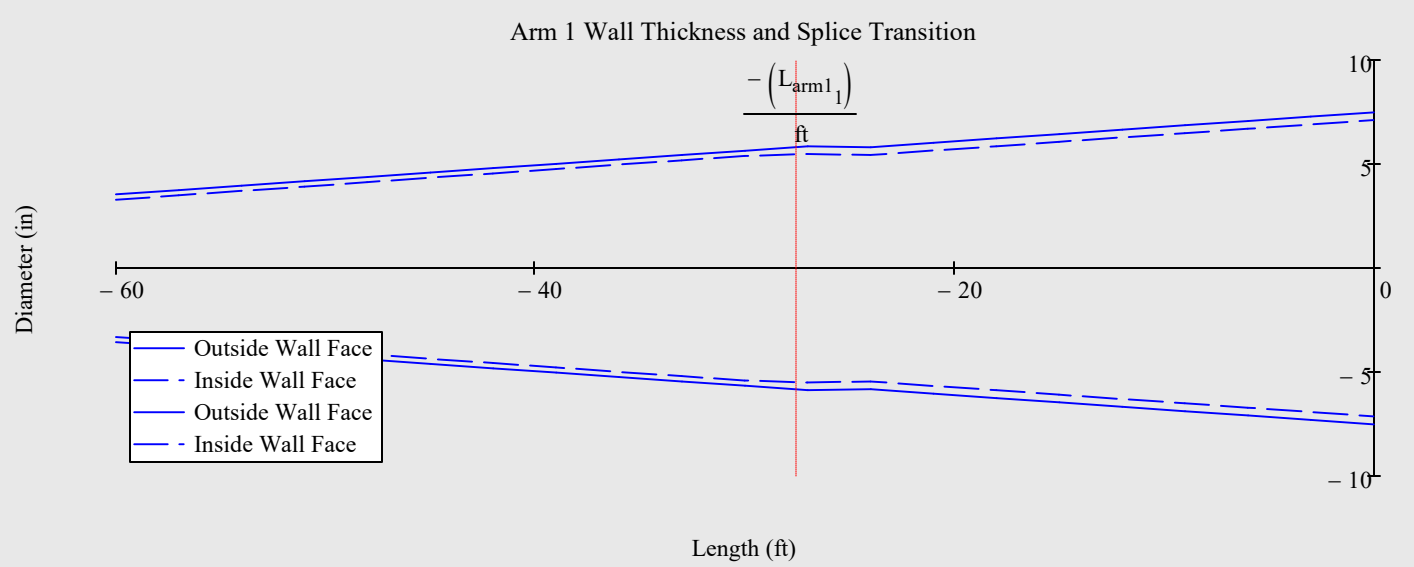
effective width determination for use in classification of steel sections for local buckling [LTS-1, Eq. C5.7.2-1]:

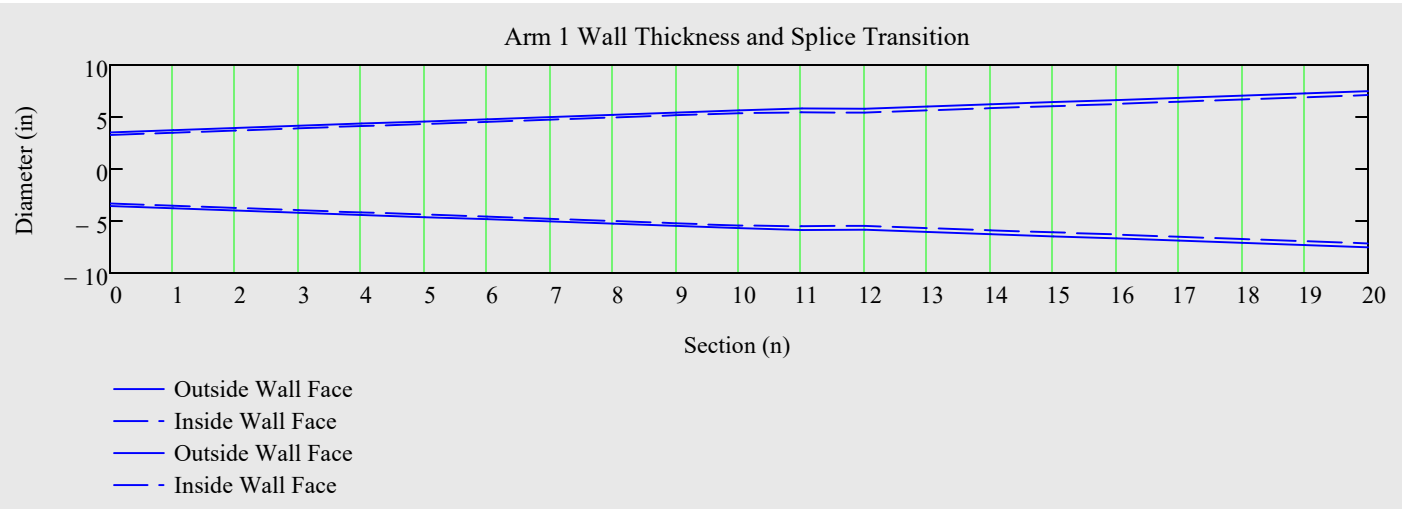
$b_{arm1_n} := fb\left(R_{od_n}, R_{id_n}, r_{b.arm1_n}, t_{arm1_n}, \#Sides\right)$ $\min\left(b_{arm1}\right) = 1.2 \cdot in$ $\max\left(b_{arm1}\right) = 3 \cdot in$

$K_{p_n} := fK_p(\#Sides)$ *shape factor, $K_p = Z/S$:* *[LTS-1, Table B.2-1]*

$S_{arm1.rd_n} := 3.14 \cdot \left(R_{mid_n}\right)^2 \cdot t_{arm1_n}$ *Elastic section modulus:*

$Z_{arm1_n} := fZ\left(K_{p_n}, S_{arm1_n}\right)$ $Z_{arm1.rd_n} := fZ\left(1.27, S_{arm1.rd_n}\right)$ *plastic section modulus:*





2. Bare Arm DL Moment and Shear *(divide arm into twenty segments, twenty one sections)*

$\gamma_{steel} := 490 \cdot \frac{lbf}{ft^3}$

$L_{splice.provided} := L_{splice.provided.arm1} = 2.4\,ft$

$SpliceIndex_n := if\left[\left(L_{arm1_0} > \frac{L_{total.arm1}}{\#Sections} \cdot n\right), \#Sections, n\right]$ $\min(SpliceIndex) = 12$

$Wt_{splice} := if\left[(\min(SpliceIndex) = \#Sections), 0 \cdot lbf, A_{arm1_{\min(SpliceIndex)}} \cdot L_{splice.provided} \cdot \left(\gamma_{steel}\right)\right] = 111.6 \cdot lbf$

$n := 1 .. \#Sections$

$$Wt_{segment_n} := \left(\frac{A_{arm1_{n-1}} + A_{arm1_n}}{2}\right)\cdot\left(\frac{L_{total.arm1}}{\#Sections}\right)\cdot(\gamma_{steel})$$

$\max(Wt_{segment}) = 177.4\cdot lbf$

$$Wt_{segment_{min(SpliceIndex)}} := Wt_{segment_{min(SpliceIndex)}} + Wt_{splice}$$

$\max(Wt_{segment}) = 250.7\cdot lbf$

$\sum Wt_{segment} = 2375\cdot lbf$

$$X_{segment.arm1_n} := X_{section.arm1_{n-1}} - \left[\frac{L_{total.arm1}}{\#Sections}\cdot\left[\frac{2\cdot A_{arm1_n} + A_{arm1_{n-1}}}{3\cdot\left(A_{arm1_n} + A_{arm1_{n-1}}\right)}\right]\right]$$

$$M_{dl.tube.arm1_n} := \sum_{k=1}^{n}\left[Wt_{segment_k}\cdot\left(X_{segment.arm1_k} - X_{section.arm1_n}\right)\right]$$

$$V_{dl.tube.arm1_n} := \sum_{k=1}^{n} Wt_{segment_k}$$

3. Bare Arm WL Moment and Shear *(assume a min. ratio of break radius to tube radius of 0.25)*

(Divide arm into 20 segments and use the average diameter to calculate the wind loading)

$n := 1 .. \#Sections$ $\quad Diameter_{segment.arm1_n} := R_{od_{n-1}} + R_{od_n}$ $\quad d_n := Diameter_{segment.arm1_n}$

$C_v := 0.8$ *(velocity conversion factor)* ***LTS Table 3.8.7***

$$C_{d.segment.arm1_n} := fC_d\left(C_v, \frac{V_{extreme}}{mph}, \frac{d_n}{ft}, r_{c.arm1_n}, r_{s.arm1_n}, \#Sides\right)$$

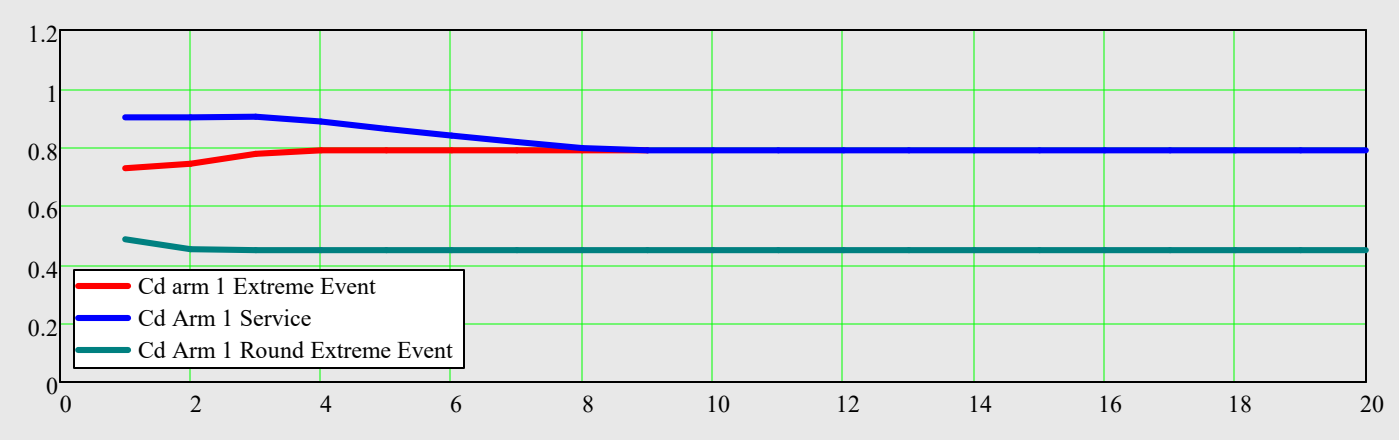
$\max(C_{d.segment.arm1}) = 0.79$ ***LTS Table 3.8.7-1***

$$C_{d.serv.segment.arm1_n} := fC_d\left(1.0, \frac{V_{service}}{mph}, \frac{d_n}{ft}, r_{c.arm1_n}, r_{s.arm1_n}, \#Sides\right)$$

$\max(C_{d.serv.segment.arm1}) = 0.9$

$$C_{d.segment.arm1.rnd_n} := fC_d\left(C_v, \frac{V_{extreme}}{mph}, \frac{d_n}{ft}, r_{c.arm1_n}, r_{s.arm1_n}, 20\right)$$

$\max(C_{d.segment.arm1.rnd}) = 0.49$ *for comparison*



$$P_{segment_n} := \frac{\sum L_{arm1}}{\#Sections} \cdot Diameter_{segment.arm1_n} \cdot C_{d.segment.arm1_n} \cdot Pressure_{extreme.basic} \cdot K_{z.arm}$$

$$M_{wl.tube.arm1_n} := \sum_{k=1}^{n} \left[P_{segment_k} \cdot \left(X_{segment.arm1_k} - X_{section.arm1_n} \right) \right] \qquad V_{wl.tube.arm1_n} := \sum_{k=1}^{n} P_{segment_k}$$

$$P_{serv.segment_n} := \frac{\sum L_{arm1}}{\#Sections} \cdot Diameter_{segment.arm1_n} \cdot C_{d.serv.segment.arm1_n} \cdot Pressure_{service} \cdot K_{z.arm}$$

$$M_{serv.wl.tube.arm1_n} := \sum_{k=1}^{n} \left[P_{serv.segment_k} \cdot \left(X_{segment.arm1_k} - X_{section.arm1_n} \right) \right] \qquad V_{serv.wl.tube.arm1_n} := \sum_{k=1}^{n} P_{serv.segment_k}$$

Total DL and WL Moments and Shears

$\gamma_{DC.Ext1} = 1.1$ $\gamma_{W.Ext1} = 1.0$

$n := 0 .. \#Sections$

$$M_{dl.arm1_n} := \gamma_{DC.Ext1} \cdot \left(M_{dl.signal.arm1_n} + M_{dl.panel.arm1_n} + M_{dl.tube.arm1_n} \right)$$

$$M_{wl.arm1_n} := M_{wl.signal.arm1_n} + M_{wl.panel.arm1_n} + M_{wl.tube.arm1_n}$$

$$M_{serv.wl.arm1_n} := M_{serv.wl.signal.arm1_n} + M_{serv.wl.panel.arm1_n} + M_{serv.wl.tube.arm1_n}$$

$$V_{dl.arm1_n} := \gamma_{DC.Ext1} \cdot \left(V_{dl.signal.arm1_n} + V_{dl.panel.arm1_n} + V_{dl.tube.arm1_n} \right)$$

$$V_{wl.arm1_n} := V_{wl.signal.arm1_n} + V_{wl.panel.arm1_n} + V_{wl.tube.arm1_n}$$

$$V_{serv.wl.arm1_n} := V_{serv.wl.signal.arm1_n} + V_{serv.wl.panel.arm1_n} + V_{serv.wl.tube.arm1_n}$$

$base1 := last\left(M_{dl.arm1}\right)$ $base1 = 20$ $M_{wl.arm1_{20}} = 215.8 \cdot kip \cdot ft$ $M_{serv.wl.arm1_{20}} = 79.2 \cdot kip \cdot ft$

Total Bending and Shear Forces on the Section

$$M_{u.arm1_n} := \sqrt{\left(M_{dl.arm1_n}\right)^2 + \left(M_{wl.arm1_n}\right)^2} \qquad M_{u.arm1_{20}} = 230.2 \cdot kip \cdot ft$$

$$V_{u.arm1_n} := \sqrt{\left(V_{dl.arm1_n}\right)^2 + \left(V_{wl.arm1_n}\right)^2} \qquad V_{u.arm1_{20}} = 7.15 \cdot kip$$

Factored Resistance - Extreme Event I

Resistance Factors *[LTS-1, 5.5.3.2]*

flexure (bending): $\phi_f = 0.9$

shear: $\phi_v = 0.9$

tension, net section fracture: $\phi_u = 0.8$

tension, gross section yielding: $\phi_y = 0.9$

Bending Strength *[LTS-1, 5.8]*

$F_y := 50 \cdot ksi$ *Steel Yield Strength. For design assume 50 ksi, for existing mast arm analysis, higher values may be used in known.*

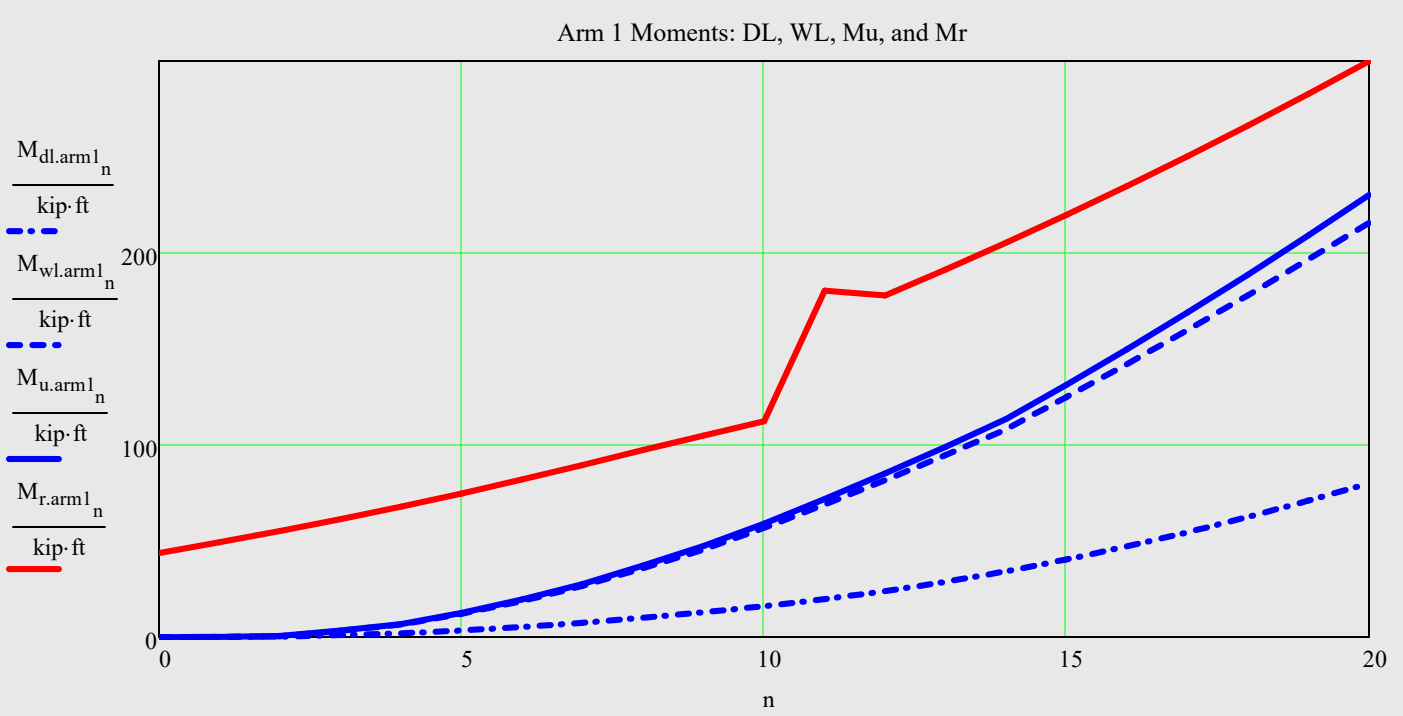
$E_s := 29000 \cdot ksi$ *steel modulus of elasticity:*

nominal bending strength for multi-sided tubes shall not exceed nominal bending strength for round tubes of equivalent diameter:

[LTS-1, 5.8.2] $\phi_f = 0.9$ *flexure (bending):*

$M_{n.arm1_n} := fM_n\left(Z_{arm1_n}, Z_{arm1.rd_n}, F_y, 2\,R_{id_n}, b_{arm1_n}, t_{arm1_n}, E_s, \#Sides\right)$ $\min\left(M_{n.arm1}\right) = 49 \cdot kip \cdot ft$ $\max\left(M_{n.arm1}\right) = 333 \cdot kip \cdot ft$

$M_{r.arm1_n} := \phi_f \cdot M_{n.arm1_n}$ *[LTS-1, 5.8]* *factored flexural resistance:*



$\min\left(M_{r.arm1}\right) = 43.9 \cdot kip \cdot ft$ $\max\left(M_{r.arm1}\right) = 299.9 \cdot kip \cdot ft$

Compressive Strength *[LTS-1, 5.10]*

Calculation not required since there is no axial load on the arms. However, compact sections should be used.

section classification: *[LTS-1, Tables 5.7.2-1 & Table 5.8.2-1]*

$index := \min(SpliceIndex) = 12$ $lastindex := last\left(t_{arm1}\right) = 20$

$$Classification_{arm1} := \begin{pmatrix} fClass(b_{arm1_{index}}, b_{arm1_{index}}, t_{arm1_{index}}, E_s, F_y, \#Sides) \\ if(L_{arm1_1} = 0\cdot ft, "N/A", fClass(b_{arm1_{lastindex}}, b_{arm1_{lastindex}}, t_{arm1_{lastindex}}, E_s, F_y, \#Sides)) \end{pmatrix}$$

$$t_{wall.arm1} = \begin{pmatrix} 0.25 \\ 0.375 \end{pmatrix}\cdot in \qquad Diameter_{base.arm1} = \begin{pmatrix} 12.00 \\ 15.00 \end{pmatrix}\cdot in \qquad Classification_{arm1} = \begin{pmatrix} "Compact" \\ "Compact" \end{pmatrix}$$

Shear Strength *[LTS-1, 5.11]*

distance from max. to zero shear force:

$L_{v.arm1} := L_{total.arm1}$

$L_{v.arm1} = 60\,ft$

outside distance from flat side to flat side:

$d_1 = 7.310\cdot in$ *:tip*

$max(d) = 14.79\cdot in$ *:base*

shear area:

$$A_{v.arm1_n} := \frac{A_{arm1_n}}{2}$$

nominal shear stress capacity:

$F_{nv.arm1_n} := fF_{nv}(E_s, L_{v.arm1}, 2\cdot R_{id_n}, t_{arm1_n}, F_y, \#Sides)$

[LTS-1, 5.11.2.1.1 & 5.11.2.1.2]

nominal direct shear strength [LTS-1, 5.11.2]:

$V_{n.arm1_n} := A_{v.arm1_n}\cdot F_{nv.arm1_n}$

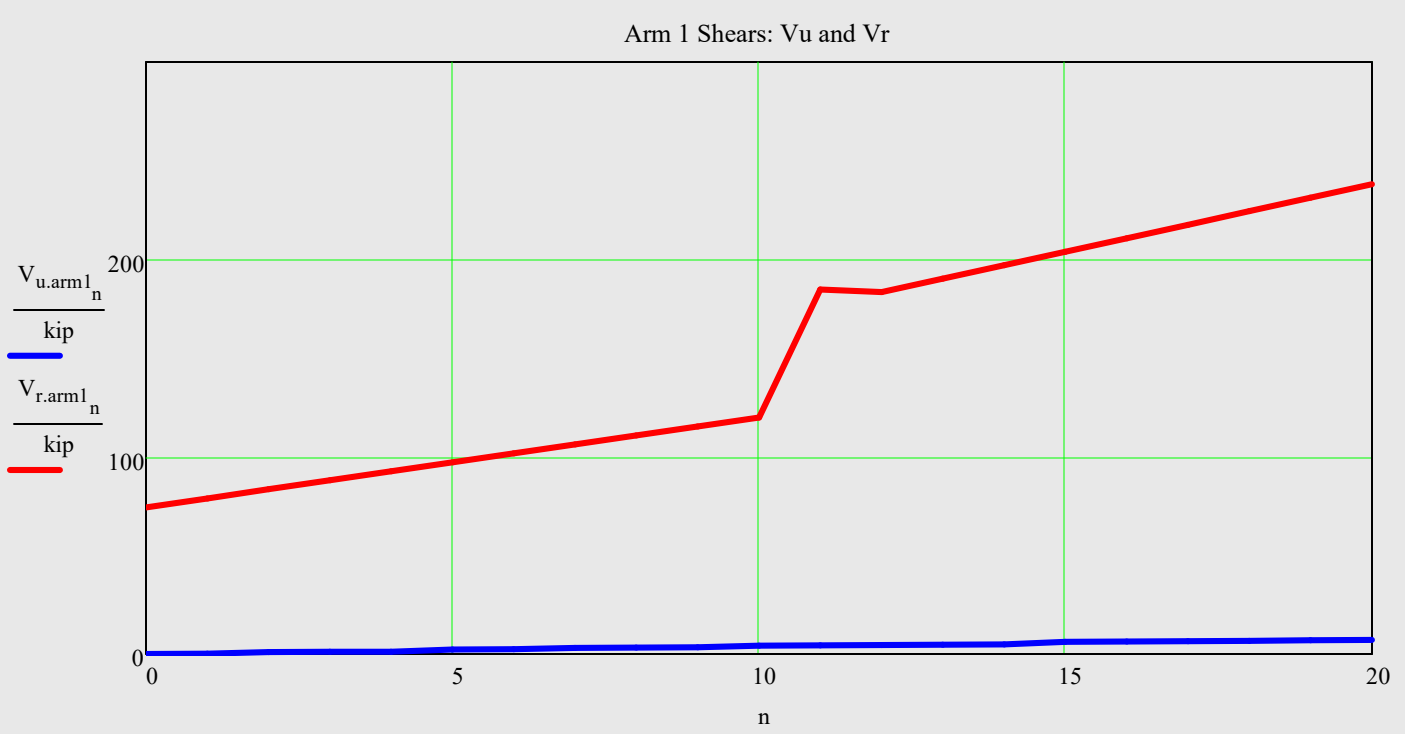
$min(V_{n.arm1}) = 82.6\cdot kip$ $\qquad max(V_{n.arm1}) = 264.5\cdot kip$

shear:

$\phi_v = 0.9$

factored direct shear resistance:

$V_{r.arm1_n} := \phi_v\cdot V_{n.arm1_n}$ *[LTS-1, Eq. 5.11.1-1]*



$min(V_{r.arm1}) = 74.3\cdot kip$ $\qquad max(V_{r.arm1}) = 238\cdot kip$

coordinates for drawing

$w_{bp.rigid} := 6 \cdot in$ $w_{bp.flex} := 2.5 \cdot in$

$SignHeight_{arm1} := \sqrt{Area_{panel.arm1}} = \begin{pmatrix} 4 \\ 4 \end{pmatrix} ft$

$Draw_{hsignals} :=$

$ht \leftarrow \sqrt{Area_{signal.head}}$

$addh \leftarrow 2 \cdot w_{bp.rigid}$ if (BackPlate = "Rigid, 6 inches wide")

$addh \leftarrow 2 \cdot w_{bp.flex}$ if (BackPlate = "Flexible, 2.5 inches wide")

$ht \leftarrow ht + addh$

$addw \leftarrow 2 \cdot w_{bp.rigid}$

$addw \leftarrow 0 \cdot in$ if (BackPlate = "None")

for $k \in 0 .. \max(\#Signals_{arm1} - 1, 0)$

$width \leftarrow \sqrt{Area_{signal.head}} \cdot Sections_{signal.arm1_k}$

$width \leftarrow width + addw$

$Coord_{0+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} + \frac{width}{2}$

$Coord_{1+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} + \frac{width}{2}$

$Coord_{2+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} - \frac{width}{2}$

$Coord_{3+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} - \frac{width}{2}$

$Coord_{4+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} + \frac{width}{2}$

$Coord_{5+k \cdot 6, 0} \leftarrow -X_{signal.arm1_k} + \frac{width}{2}$

$Coord_{0+k \cdot 6, 1} \leftarrow 0 \cdot in$

$Coord_{1+k \cdot 6, 1} \leftarrow -\frac{ht}{2}$

$Coord_{2+k \cdot 6, 1} \leftarrow -\frac{ht}{2}$

$Coord_{3+k \cdot 6, 1} \leftarrow \frac{ht}{2}$

$Coord_{4+k \cdot 6, 1} \leftarrow \frac{ht}{2}$

$Coord_{5+k \cdot 6, 1} \leftarrow 0 \cdot in$

Coord

$$\text{Draw}_{\text{vsignals}} := \left[\begin{array}{l}
\text{addh} \leftarrow 2\cdot w_{\text{bp.rigid}} \\
\text{addh} \leftarrow 0\cdot\text{in} \quad \text{if} \ (\text{BackPlate} = \text{"None"}) \\
\text{addw} \leftarrow 0\cdot\text{in} \\
\text{addw} \leftarrow 2\cdot w_{\text{bp.rigid}} \quad \text{if} \ (\text{BackPlate} = \text{"Rigid, 6 inches wide"}) \\
\text{addw} \leftarrow 2\cdot w_{\text{bp.flex}} \quad \text{if} \ (\text{BackPlate} = \text{"Flexible, 2.5 inches wide"}) \\
\text{width} \leftarrow \sqrt{\text{Area}_{\text{signal.head}}} + \text{addw} \\
\text{for} \ \ k \in 0 .. \max\left(\#\text{Signals}_{\text{arm1}} - 1, 0\right) \\
\quad \left|\begin{array}{l}
\text{ht} \leftarrow \sqrt{\text{Area}_{\text{signal.head}}}\cdot \text{Sections}_{\text{signal.arm1}_k} \\
\text{ht} \leftarrow \text{ht} + \text{addh} \\
\text{Coord}_{0+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} + \frac{\text{width}}{2} \\
\text{Coord}_{1+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} + \frac{\text{width}}{2} \\
\text{Coord}_{2+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} - \frac{\text{width}}{2} \\
\text{Coord}_{3+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} - \frac{\text{width}}{2} \\
\text{Coord}_{4+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} + \frac{\text{width}}{2} \\
\text{Coord}_{5+k\cdot 6,\,0} \leftarrow -X_{\text{signal.arm1}_k} + \frac{\text{width}}{2} \\
\text{Coord}_{0+k\cdot 6,\,1} \leftarrow 0\cdot\text{in} \\
\text{Coord}_{1+k\cdot 6,\,1} \leftarrow -\frac{\text{ht}}{2} \\
\text{Coord}_{2+k\cdot 6,\,1} \leftarrow -\frac{\text{ht}}{2} \\
\text{Coord}_{3+k\cdot 6,\,1} \leftarrow \frac{\text{ht}}{2} \\
\text{Coord}_{4+k\cdot 6,\,1} \leftarrow \frac{\text{ht}}{2} \\
\text{Coord}_{5+k\cdot 6,\,1} \leftarrow 0\cdot\text{in}
\end{array}\right. \\
\text{Coord}
\end{array}\right]$$

$$\text{Draw}_{\text{signals}} := \text{if}\left[(\text{ExistingMastArm} = \text{"No"}), \text{Draw}_{\text{hsignals}}, \text{if}\left(\text{SignalOrientation} = \text{"Vertical"}, \text{Draw}_{\text{vsignals}}, \text{Draw}_{\text{hsignals}}\right)\right]$$

$$\text{Draw}_{\text{signals}} := \text{if}\left(\text{SignalOrientation} = \text{"Vertical"}, \text{Draw}_{\text{vsignals}}, \text{Draw}_{\text{hsignals}}\right)$$

$$x_{\text{signals}} := \left(\text{Draw}_{\text{signals}}\right)^{\langle 0 \rangle} \quad y_{\text{signals}} := \text{Draw}_{\text{signals}}{}^{\langle 1 \rangle}$$

$$\text{Draw}_{signs} := \left| \begin{array}{l} X_{panel.arm1} \leftarrow \text{stack}\left(0.1\cdot\text{in}, X_{panel.arm1}\right) \\ \text{Area}_{panel.arm1} \leftarrow \text{stack}\left(0.1\cdot\text{in}^2, \text{Area}_{panel.arm1}\right) \\ \text{Ht}_{panel.arm1} \leftarrow \text{stack}\left(0.1, \frac{\text{SignHeight}_{arm1}}{\text{ft}}\right)\cdot\text{ft} \\ \text{for } k \in 0..\#\text{Panels}_{arm1} \\ \quad \left| \begin{array}{l} \text{ht} \leftarrow \sqrt{\text{Area}_{panel.arm1_k}} \\ \text{wdth} \leftarrow \text{ht} \\ \text{if ExistingMastArm} = \text{"Yes"} \\ \quad \left| \begin{array}{l} \text{ht} \leftarrow \text{Ht}_{panel.arm1_k} \\ \text{wdth} \leftarrow \frac{\text{Area}_{panel.arm1_k}}{\text{ht}} \end{array} \right. \\ \text{Coord}_{0+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} + \frac{\text{wdth}}{2} \\ \text{Coord}_{1+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} + \frac{\text{wdth}}{2} \\ \text{Coord}_{2+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} - \frac{\text{wdth}}{2} \\ \text{Coord}_{3+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} - \frac{\text{wdth}}{2} \\ \text{Coord}_{4+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} + \frac{\text{wdth}}{2} \\ \text{Coord}_{5+k\cdot 6,0} \leftarrow -X_{panel.arm1_k} + \frac{\text{wdth}}{2} \\ \text{Coord}_{0+k\cdot 6,1} \leftarrow 0\cdot\text{in} \\ \text{Coord}_{1+k\cdot 6,1} \leftarrow -\frac{\text{ht}}{2} \\ \text{Coord}_{2+k\cdot 6,1} \leftarrow -\frac{\text{ht}}{2} \\ \text{Coord}_{3+k\cdot 6,1} \leftarrow \frac{\text{ht}}{2} \\ \text{Coord}_{4+k\cdot 6,1} \leftarrow \frac{\text{ht}}{2} \\ \text{Coord}_{5+k\cdot 6,1} \leftarrow 0\cdot\text{in} \end{array} \right. \\ \text{Coord} \end{array} \right.$$

$$\text{Signals1} := \text{augment}\left[\begin{pmatrix} \text{"Dist(ft)"} \\ \text{"\# Heads)"} \end{pmatrix}, \text{Signals}_{arm1}{}^{T}\right]$$

$$\text{Signs1} := \text{augment}\left[\begin{pmatrix} \text{"Dist(ft)"} \\ \text{"Area (sf)"} \end{pmatrix}, \text{Signs}_{arm1}{}^{T}\right]$$

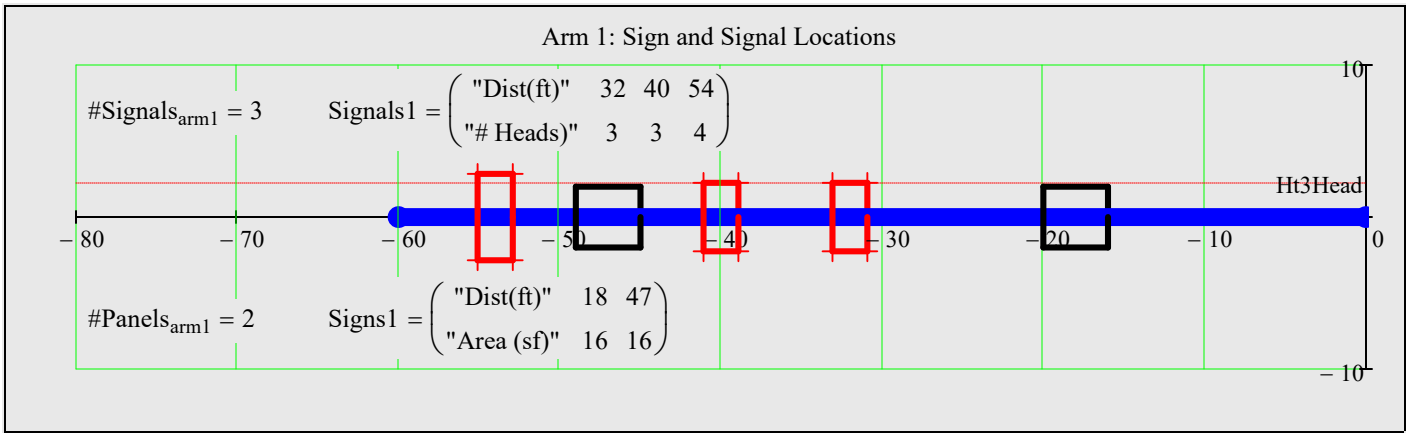
$$x_{signs} := \left(\text{Draw}_{signs}\right)^{\langle 0 \rangle} \qquad y_{signs} := \text{Draw}_{signs}{}^{\langle 1 \rangle}$$

$$x_{arm1} := \begin{pmatrix} 0 \\ \frac{L_{total.arm1}}{\text{ft}} \end{pmatrix} \qquad y_{arm1} := \begin{pmatrix} 0 \\ 0 \end{pmatrix}$$

$$\text{xlimit} := \max\left(\begin{pmatrix} \frac{L_{total.arm1}}{\text{ft}} \\ \max\left(\text{Signals}_{arm1}{}^{\langle 0 \rangle}\right) \\ \max\left(\text{Signs}_{arm1}{}^{\langle 0 \rangle}\right) + 6 \end{pmatrix}\right) + 2 = 62$$

$$Ht3Head := if\left(SignalOrientation = "Vertical", \frac{3\cdot 14 + 2\cdot 6}{2\cdot 12}, \frac{1\cdot 14 + 2\cdot 6}{2\cdot 12}\right) = 2.25$$

$$Ht5Head := if\left(SignalOrientation = "Vertical", \frac{5\cdot 14 + 2\cdot 6}{2\cdot 12}, \frac{1\cdot 14 + 2\cdot 6}{2\cdot 12}\right) = 3.42$$



Combined Force Interaction - Extreme Event I *[LTS-1, 5.12.1]*

$$D/C_{moment.arm1_n} := \frac{M_{u.arm1_n}}{M_{r.arm1_n}}$$

$\max(D/C_{moment.arm1}) = 0.77$ *Moment Demand/Capacity ratio:*

$$D/C_{shear.arm1_n} := \left(\frac{V_{u.arm1_n}}{V_{r.arm1_n}}\right)^2$$

$\max(D/C_{shear.arm1}) = 0.00$ *Shear Demand/Capacity ratio:*

$$CFI_{arm1_n} := fCFI\left(0, 1, 1, M_{u.arm1_n}, M_{r.arm1_n}, V_{u.arm1_n}, V_{r.arm1_n}, 0, 1\right)$$

$\max(CFI_{arm1}) = 0.77$ *combined force interaction equation:*

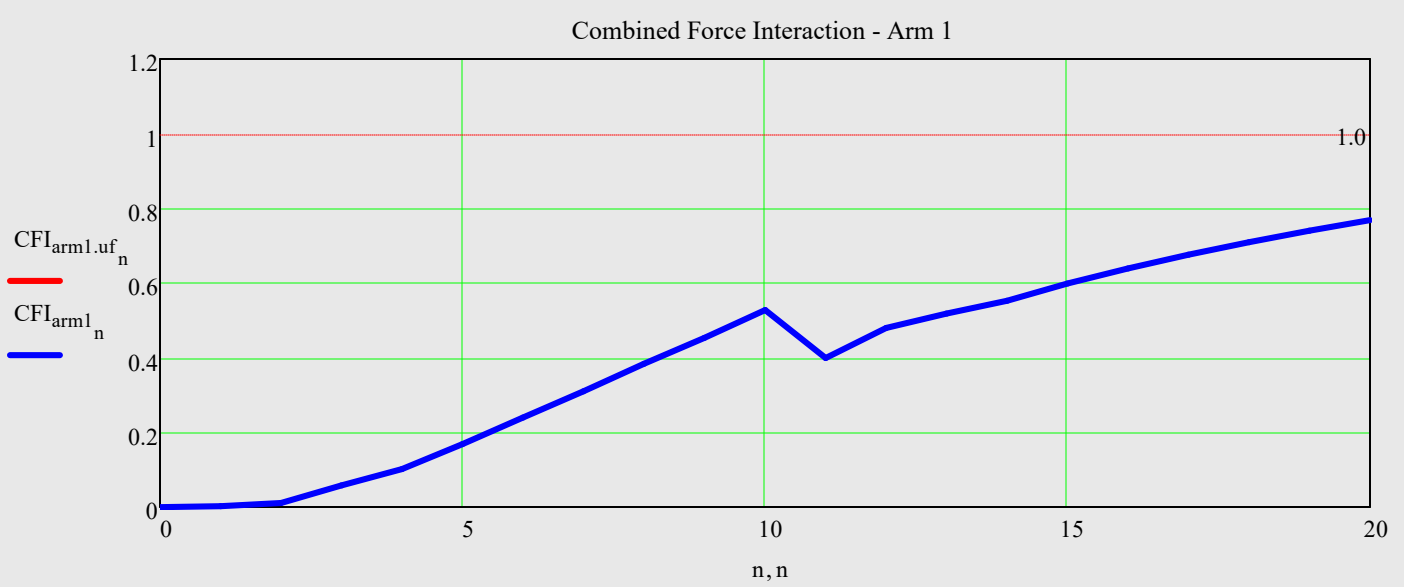
ExistingMastArm = "No"

If ExistingMastArm = "No" *a reduced coefficient of drag is used for all signals and sign panels.*

$$fCheckMaxCFI(maxCFI) := if(maxCFI > 0.954, "NoGood", "OK")$$

$$CheckMaxCFI_{arm1} := fCheckMaxCFI\left(\max\left(CFI_{arm1}\right)\right)$$

$CheckMaxCFI_{arm1} = "OK"$



$\max(CFI_{arm1}) = 0.77$

ExistingMastArm = "No"

$M_{wl.arm1.design} := M_{wl.arm1}$ *used for Fatigue*

$V_{wl.arm1.design} := V_{wl.arm1}$ *used for Fatigue*

Dead Load Deflection

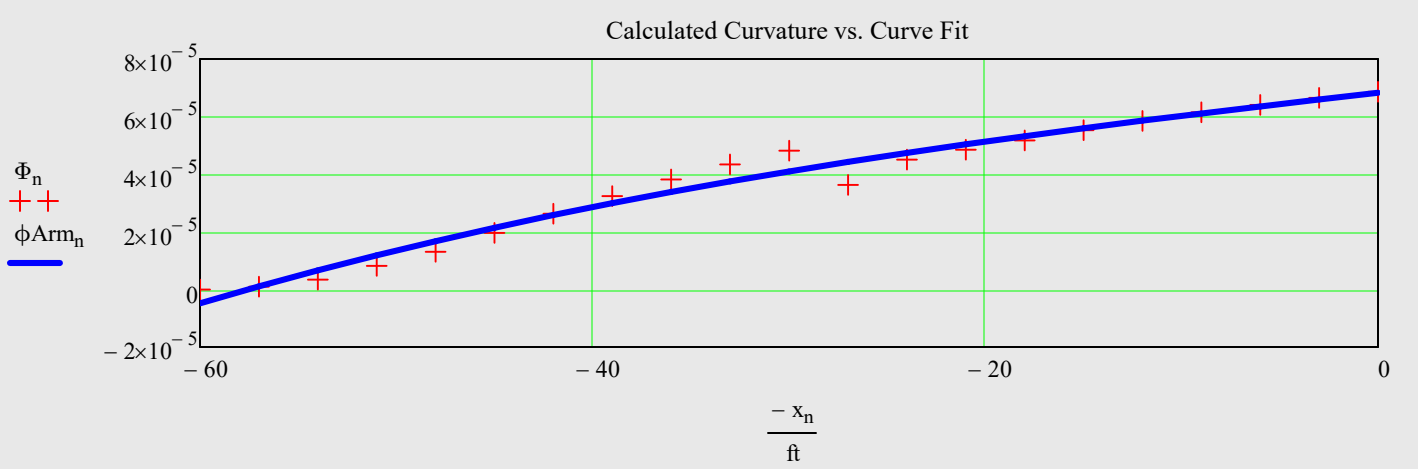
$Curvature_n := \frac{M_{dl.arm1_n}}{E_s \cdot I_{arm1_n}}$ $x_n := X_{section.arm1_n}$ $\Phi_n := Curvature_n \cdot in$

degree of polynomial to fit $k := 3$ *number of data points* $Z := regress\left(\frac{x}{in}, \Phi, k\right)$

polynomial coefficients $coeffs := submatrix(Z, 3, length(Z) - 1, 0, 0)$ $(coeffs)^T = \left(6.84 \times 10^{-5} \quad -6.54 \times 10^{-8} \quad -8.56 \times 10^{-12} \quad -5.79 \times 10\right.$

polynomial function $\phi curve(x) := coeffs_0 + coeffs_1 \cdot x + coeffs_2 \cdot x^2 + coeffs_3 \cdot x^3$ $\phi Arm_n := \phi curve\left(\frac{x_n}{in}\right)$

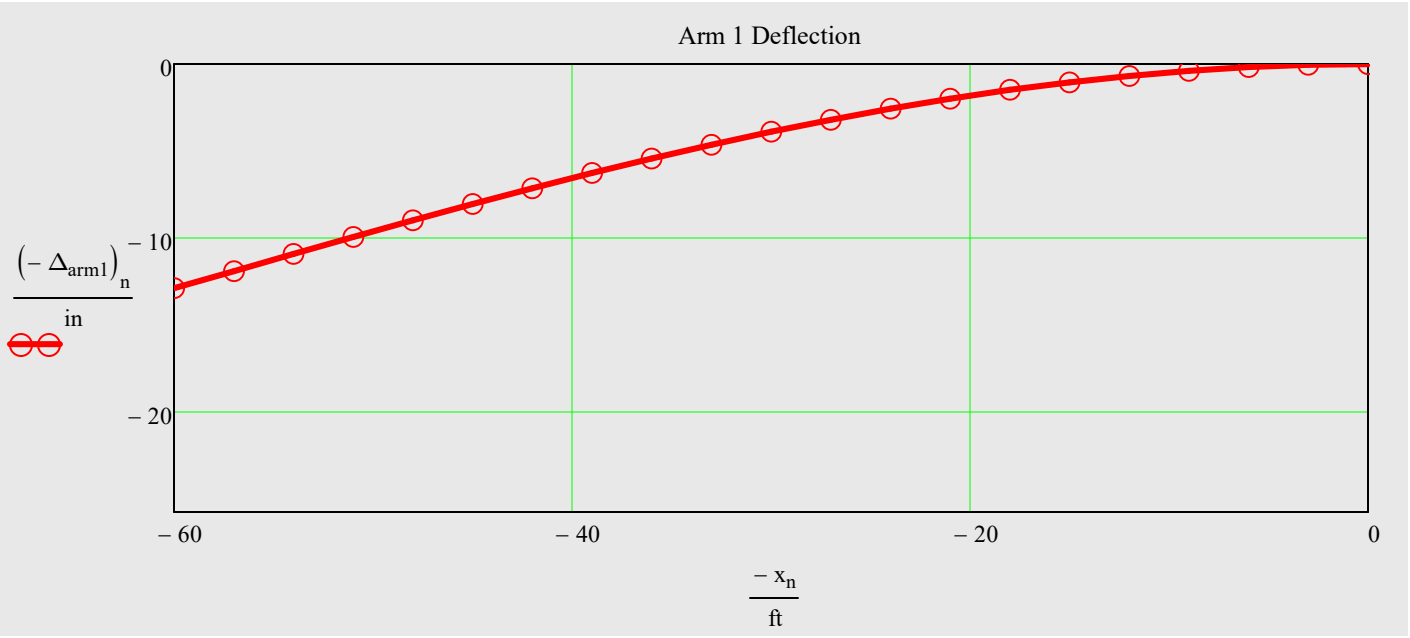
note: origin is the base of the arm



now integrate the curvature function twice to get deflections. Note: assuming pole connection to the foundation is rigid, the constants of integration are zero for both slope and deflection

$$\int\int \text{coeffs}_0 + \text{coeffs}_1\cdot x + \text{coeffs}_2\cdot x^2 + \text{coeffs}_3\cdot x^3\,dx\,dx \quad \textit{evaluates to} \quad \frac{1}{2}\cdot\text{coeffs}_0\cdot x^2 + \frac{1}{6}\cdot\text{coeffs}_1\cdot x^3 + \frac{1}{12}\cdot\text{coeffs}_2\cdot x^4 + \frac{1}{20}\cdot\text{coeffs}_3\cdot x^5$$

$$\Delta\text{curve}(x) := \left(\frac{1}{2}\cdot\text{coeffs}_0\cdot x^2 + \frac{1}{6}\cdot\text{coeffs}_1\cdot x^3 + \frac{1}{12}\cdot\text{coeffs}_2\cdot x^4 + \frac{1}{20}\cdot\text{coeffs}_3\right)\Delta_{\text{arm1}_n} := \Delta\text{curve}\left(\frac{x_n}{\text{in}}\right)\cdot\text{in} \qquad \max\left(\Delta_{\text{arm1}}\right) = 12.90\cdot\text{in}$$



$$M_{\text{dl.arm1}_{\text{base1}}} = 80.1\cdot\text{kip}\cdot\text{ft} \qquad V_{\text{dl.arm1}_{\text{base1}}} = 3.1\cdot\text{kip} \qquad M_{\text{wl.arm1}_{\text{base1}}} = 215.8\cdot\text{kip}\cdot\text{ft} \qquad V_{\text{wl.arm1}_{\text{base1}}} = 6.4\cdot\text{kip}$$

$$L_{\text{arm1}} = \begin{pmatrix}35.5\\27.5\end{pmatrix}\text{ft} \qquad t_{\text{wall.arm1}} = \begin{pmatrix}0.25\\0.375\end{pmatrix}\cdot\text{in} \qquad \text{Diameter}_{\text{tip.arm1}} = \begin{pmatrix}7.03\\11.15\end{pmatrix}\cdot\text{in} \qquad \text{Diameter}_{\text{base.arm1}} = \begin{pmatrix}12\\15\end{pmatrix}\cdot\text{in}$$

Arm 1 Analysis including Existing Mast Arm Analysis (Additional Variables Required)

$$L_{\text{total.arm1}} = 60\,\text{ft} \qquad \text{'FD'= 'FH'=} \quad t_{\text{wall.arm1}} = \begin{pmatrix}0.250\\0.375\end{pmatrix}\cdot\text{in} \qquad \text{'FC'= 'FG'=} \quad \text{Diameter}_{\text{base.arm1}} = \begin{pmatrix}12.00\\15.00\end{pmatrix}\cdot\text{in} \qquad \text{BackPlate} = \text{"Rigid, 6 inches wide"}$$

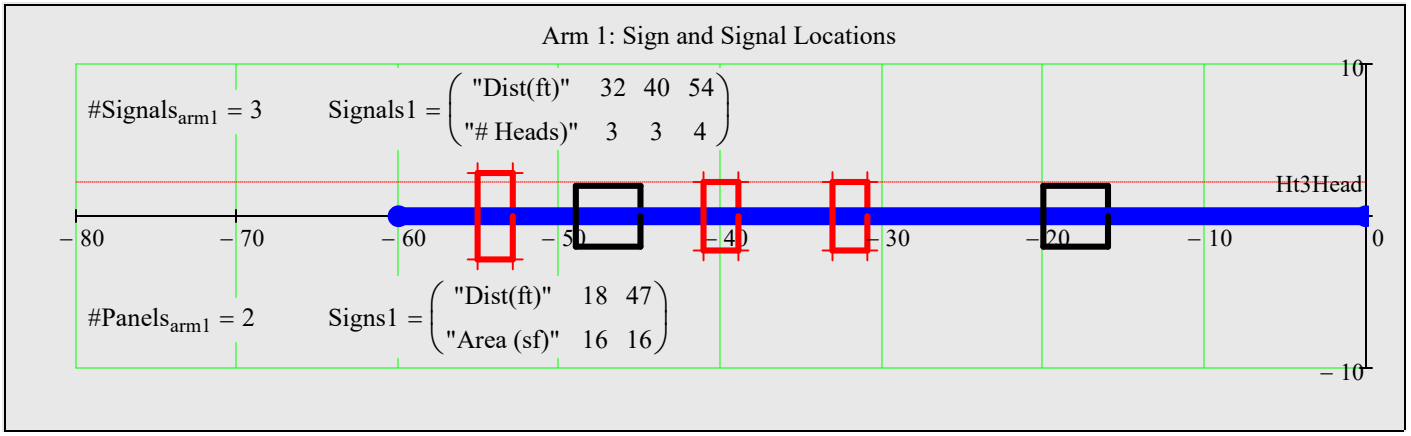
'FB'= 'FF'= $Diameter_{tip.arm1} = \begin{pmatrix} 7.03 \\ 11.15 \end{pmatrix} \cdot in$ $CheckTipDia_{arm1} = "OK"$ 'FA'= 'FE'= $L_{arm1} = \begin{pmatrix} 35.5 \\ 27.5 \end{pmatrix} \cdot ft$ $CheckSectionLength_{arm1} = "OK"$

$L_{splice.provided.arm1} = 2.4\,ft$ $Classification_{arm1} = \begin{pmatrix} "Compact" \\ "Compact" \end{pmatrix}$

Arm 1 Combined Force Interaction Ratio and Deflection

$\max(CFI_{arm1}) = 0.77$ $CheckMaxCFI_{arm1} = "OK"$ $\max(\Delta_{arm1}) = 12.9 \cdot in$ $2 \cdot deg \cdot L_{total.arm1} = 25.1 \cdot in$

Arm 1: Sign and Signal Locations



III. Arm 2 Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat" $V_{extreme} = 150 \cdot mph$

Help - Base Diameters | Help - Tube Wall Thickness

Arm Extension (for 2 piece arms only)

Enter Arm 2 Data

Arm Length (ft)	*Base Diameter 1 (in)*	*Wall Thickness 1 (in)*	*Base Diameter 2 (in)*	*Wall Thickness 2 (in)*
$L_{total.arm2} = 0$ ft				
feet, 40 ft. max. for 1 piece arms	*Measured flat to flat 'SC'*	*for 1 & 2 piece arms 'SD'*	*Measured flat to flat 'SG'*	*for 2 piece arms only 'SH'*

Iterate on Base Diameters and Wall Thicknesses

Arm 2 Analysis

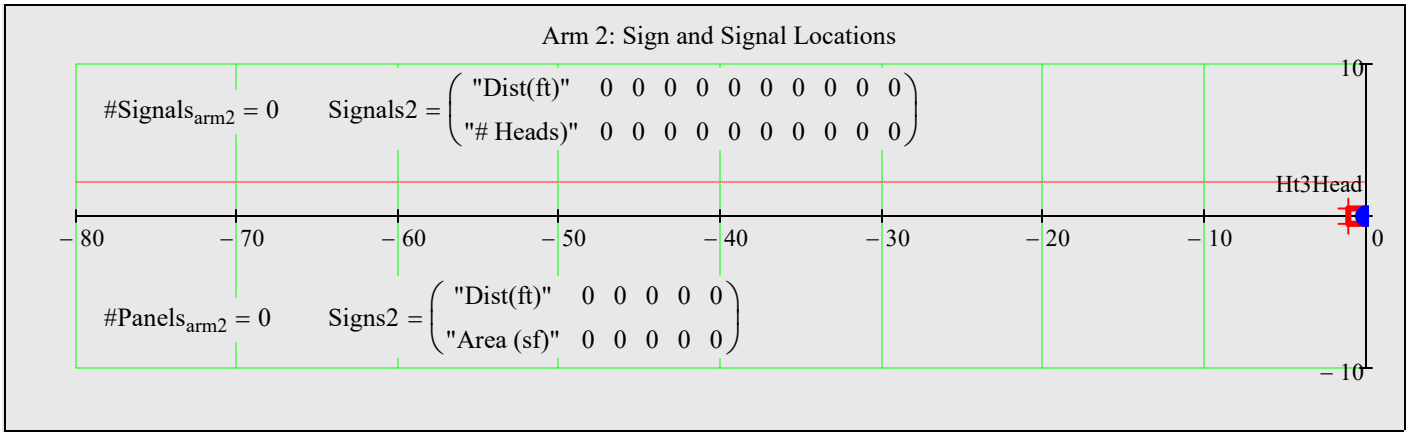
$L_{total.arm2} = 0$ ft 'SD'= 'SH'= $t_{wall.arm2} = \begin{pmatrix} 0.000 \\ 0.000 \end{pmatrix} \cdot in$ 'SC'= 'SG'= $Diameter_{base.arm2} = \begin{pmatrix} 0.00 \\ 0.00 \end{pmatrix} \cdot in$ BackPlate = "Rigid, 6 inches wide"

'SB'= 'SF'= $Diameter_{tip.arm2} = \begin{pmatrix} 0.00 \\ 0.00 \end{pmatrix} \cdot in$ $CheckTipDia_{arm2} = "N/A"$ 'SA'= 'SE'= $L_{arm2} = \begin{pmatrix} 0.0 \\ 0.0 \end{pmatrix} \cdot ft$ $CheckSectionLength_{arm2} = "N/A"$

$L_{splice.provided.arm2} = 0.0\,ft$ $Classification_{arm2} = \begin{pmatrix} "Compact" \\ "N/A" \end{pmatrix}$

Arm 2 Combined Force Interaction Ratio and Deflection

$\max(CFI_{arm2}) = 0.00$ $CheckMaxCFI_{arm2} = "OK"$ $\max(\Delta_{arm2}) = 0.0 \cdot in$ $2 \cdot deg \cdot L_{total.arm2} = 0 \cdot in$



IV. Luminaire Arm Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat" $V_{extreme} = 150 \cdot mph$

Enter Luminaire Data

Set Lum. Ht. = 0 for no Luminaire

See Design Standards 649-030 and 649-031 for input values.

Luminaire Height (ft)	*Lum Horiz Length (ft)*	*Lum Arm Base Dia (in)*	*Lum Wall Thickness (in)*	*Slope*	*Lum Arm Radius (ft)*	*Lum Bolt Dia (in)*	*Lum Base Plate Thickness (in)*
0							
Std = 40 feet	*10 feet*	*3 inches*	*0.125 inches*	*0.5*	*8 feet*	*0.5 inches*	*0.75 inches*

Analyze Luminaire

Summary - Luminaire Arm Geometry

$$\begin{pmatrix} CFI_{base.lumarm} \\ CSR_{bolt.lum} \\ D/C_{baseplate.lum} \\ D/C_{conn.plate.lum} \end{pmatrix} = \begin{pmatrix} 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{pmatrix}$$

'LA'= $Y_{luminaire} = 0$ ft

'LB'= $X_{luminaire} = 0$ ft

'LC'= $Diameter_{base.lumarm} = 0 \cdot in$

'LD'= $t_{wall.lumarm} = 0 \cdot in$

'LE'= $Slope_{lumarm} = 0$

'LF'= $r_{lumarm} = 0$ ft

'LG'= $d_{bolt.lum} = 0 \cdot in$

'LH'= $t_{baseplate.lum} = 0 \cdot in$

'LJ'= $w_{base.lum} = 0 \cdot in$

'LK'= $w_{channel.lum} = 0 \cdot in$

V. Upright Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat" $V_{extreme} = 150 \cdot mph$

Help - Upright Base Diameter and Wall Thickness | Help - Gap Distance

Enter Upright Data

Total Height (ft)	*Height to Arm Connection (ft)*	*Base Diameter (in)*	*Wall Thickness (in)*	*Gap (in)*
24.25	21.25	22	0.375	7.5
'UA'	'UB'	'UD' *measured flat to flat*	'UE'	*arm 1 gap* / *arm 2 gap*

Cut off 3-ft from arm mounting height

Analyze Upright

Upright Combined Force Interaction Ratio and Deflections

$Classification_{pole}$ = "Compact"

$\max(CFI_{pole}) = 0.44$

$Check_{slope}$ = "OK"

$Check_{deflection}$ = "OK"

$\max(\Delta_{x.dl}) = 0.86 \cdot in$

$\max(\Delta_{z.dl}) = 0 \cdot in$

$Slope_z = 0 \cdot deg$

$Slope_x = 0.42 \cdot deg$

$Diameter_{conn.pole} = 19.1 \cdot in$

$\max(Diameter_{base.arm1}) = 15 \cdot in$

$\max(Diameter_{base.arm2}) = 0 \cdot in$

'UA'= $Y_{pole} = 24.25 \cdot ft$

'UB'= $Y_{arm.conn} = 21.25 \cdot ft$

'UC'= $Diameter_{tip.pole} = 18.6 \cdot in$

'UD'= $Diameter_{base.pole} = 22 \cdot in$

'UE'= $t_{wall.pole} = 0.375 \cdot in$

'UF'= $\alpha = 0 \cdot deg$

'UG'= $Y_{lum.conn} = 0\ ft$

VI. Arm to Upright Connection Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat"

Enter Connection Data

for double arms, both connection plate heights must be equal

Help - Arm Connection Dimensions

Connection Plate Height(in)	Connection Plate Width (in)	Vertical Plate Thickness (in)	Bolt Diameter (in)	Arm Base Plate Thickness (in)
30	36	0.75	1.25	3
'HT'	'FJ', 'SJ'	'FL', 'SL'	'FP', 'SP'	'FK', 'SK'

Analyze Connection

Connection Data

set values and zero values for single arms

$h_{conn.plate} := str2num(inpConnPlateHeight) \cdot in$

$$t_{vertical.plate} := \begin{pmatrix} str2num(inpArm1VertPlateThk) \\ if(L_{total.arm2} < 1 \cdot ft, 0 \cdot in, str2num(inpArm2VertPlateThk)) \end{pmatrix} \cdot in = \begin{pmatrix} \frac{3}{4} \\ 0 \end{pmatrix} \cdot in$$

$$d_{bolt.conn} := \begin{pmatrix} str2num(inpArm1BoltDia) \\ if(L_{total.arm2} < 1 \cdot ft, 0 \cdot in, str2num(inpArm2BoltDia)) \end{pmatrix} \cdot in = \begin{pmatrix} 1.3 \\ 0 \end{pmatrix} \cdot in$$

$$t_{baseplate.arm} := \begin{pmatrix} str2num(inpArm1BasePlateThk) \\ if(L_{total.arm2} < 1 \cdot ft, 0 \cdot in, str2num(inpArm2BasePlateThk)) \end{pmatrix} \cdot in = \begin{pmatrix} 3 \\ 0 \end{pmatrix} \cdot in$$

$$b_{conn.plate} := \begin{pmatrix} str2num(inpArm1BasePlateWidth) \\ if(L_{total.arm2} < 1 \cdot ft, 0 \cdot in, str2num(inpArm2BasePlateWidth)) \end{pmatrix} \cdot in = \begin{pmatrix} 36 \\ 0 \end{pmatrix} \cdot in$$

data to use for PRN reads and writes for Mathcad Prime Conversion

$idx := idx + 1 = 37$ $\quad DataOut_{idx} := \frac{h_{conn.plate}}{in}$

$idx := idx + 1 = 38$ $\quad DataOut_{idx} := \frac{t_{vertical.plate}}{in}$

$idx := idx + 1 = 39$ $\quad DataOut_{idx} := \frac{d_{bolt.conn}}{in}$

$idx := idx + 1 = 40$ $\quad DataOut_{idx} := \frac{t_{baseplate.arm}}{in}$

$idx := idx + 1 = 41$ $\quad DataOut_{idx} := \frac{b_{conn.plate}}{in}$

Design Parameters

Trial Plate Thicknesses and Bolt Diameter $\quad j := 0..1$

Design Criteria:

$D/C_{bolt} < 1$ *(Demand /Capacity ratio of bolt),*
$D/C_{t.baseplate.arm} < 1$ *(Demand /Capacity ratio of arm base plate),*
$CFI_{t.vert.plate} < 1$ *(Combined Force Interaction Ratio of vertical plate).*

$\#Bolts_{conn} := \begin{pmatrix} 6 \\ 6 \end{pmatrix}$ $\quad F_{y.baseplate} := 36 \cdot ksi$ *(for the base plate)*

Applied Loads

From Mast Arm Design

$M_{dl} = \begin{pmatrix} 80.1 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$ $\quad V_{dl.arm} = \begin{pmatrix} 3.1 \\ 0.0 \end{pmatrix} \cdot kip$ $\quad t_{arm} = \begin{pmatrix} 0.375 \\ 0 \end{pmatrix} \cdot in$ $\quad d_{base.arm} = \begin{pmatrix} 15 \\ 0 \end{pmatrix} \cdot in$

$M_{wl} = \begin{pmatrix} 215.8 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$ $\quad V_{wl.arm} = \begin{pmatrix} 6.4 \\ 0.0 \end{pmatrix} \cdot kip$ $\quad Gap = \begin{pmatrix} 7.5 \\ 0 \end{pmatrix} \cdot in$

Note: Gap is the distance between the upright and the Arm Base Plate. (5.5 inches is a suggested minimum for two arm poles)

$Diameter_{conn.pole} = 19.1 \cdot in$ *From Upright Design(at arm connection)*

$Offset_{conn} := Gap + \frac{Diameter_{conn.pole}}{2}$ $\quad Offset_{conn} = \begin{pmatrix} 17 \\ 9.5 \end{pmatrix} \cdot in$ $\quad \begin{pmatrix} "FO" \\ "SO" \end{pmatrix}$

Total Factored Moment and Shear

$M_{u.conn_j} := \sqrt{\left(M_{dl_j}\right)^2 + \left(M_{wl_j}\right)^2}$ ***AISC LRFD, Vol 1, 6-A4 Specs, 2nd Ed.*** $\quad M_{u.conn} = \begin{pmatrix} 230.2 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$V_{u.conn_j} := \sqrt{\left(V_{dl.arm_j}\right)^2 + \left(V_{wl.arm_j}\right)^2}$ $V_{u.conn} = \begin{pmatrix} 7.1 \\ 0.0 \end{pmatrix} \cdot kip$

Arm Base Plate Dimensions

Control dimensions

$Distance_{bolt.edge_j} := Ceil\left(2 \cdot d_{bolt.conn_j}, \frac{1}{4} in\right)$ *rounded up to the next 1/4 inch dimension* $Distance_{bolt.edge} = \begin{pmatrix} 2.5 \\ 0 \end{pmatrix} \cdot in$

$ControlDim_j := if\left[\left(d_{base.arm_j} > Diameter_{conn.pole}\right), Ceil\left(d_{base.arm_j}, \frac{1}{2} \cdot in\right), Ceil\left(Diameter_{conn.pole}, \frac{1}{2} \cdot in\right)\right]$ $ControlDim = \begin{pmatrix} 19.5 \\ 19.5 \end{pmatrix} \cdot in$

$t_{vertical.plate_1} := if\left(t_{vertical.plate_1} = 0 \cdot in, .1 \cdot in, t_{vertical.plate_1}\right)$

Minimum Mast Arm base plate and connection plate height

$$2 \frac{t_{vertical.plate} \cdot h_{conn.plate.reqd}^{3}}{12} = \pi \cdot \left(\frac{d_{base.arm}}{2}\right)^3 \cdot t_{arm}$$

$h_{conn.plate.reqd_j} := (0)$ on error $\max\left[\left[\sqrt[3]{\frac{d_{base.arm_j} + 3 \cdot in}{\pi \cdot \left(\frac{d_{base.arm_j}}{2}\right)^3 \cdot t_{arm_j} \cdot \left(\frac{12}{2\, t_{vertical.plate_j}}\right)}}\right]\right]$ $h_{conn.plate.reqd} = \begin{pmatrix} 18.0 \\ 0.0 \end{pmatrix} \cdot in$

$h_{conn.plate} = 30 \cdot in$

$D/C_{ht.conn.plate} := \frac{\max\left(h_{conn.plate.reqd}\right)}{h_{conn.plate}} = 0.60$

$CheckHt_{conn.plate} := if\left(h_{conn.plate} \geq \max\left(h_{conn.plate.reqd}\right), "OK", "NoGood"\right)$ $CheckHt_{conn.plate} = "OK"$

Mast Arm base plate and connection plate width

Note: a 2 bolt diameter distance from the center of bolt to the pipe is conservative and may be slightly reduced if necessary:.

$b_{conn.plate.reqd_j} := \left(ControlDim_j + 2 \cdot Distance_{bolt.edge_j} + 4 \cdot d_{bolt.conn_j} + 2 \cdot t_{vertical.plate_j}\right)$ $b_{conn.plate.reqd} = \begin{pmatrix} 31 \\ 19.5 \end{pmatrix} \cdot in$

$b_{conn.plate.reqd_1} := if\left[\left(t_{vertical.plate_1} = 0 \cdot in\right), 0 \cdot in, b_{conn.plate.reqd_1}\right]$ $b_{conn.plate.reqd} = \begin{pmatrix} 31 \\ 0 \end{pmatrix} \cdot in$

$b_{conn.plate_1} := if\left[\left(t_{vertical.plate_1} = 0 \cdot in\right), 0 \cdot in, b_{conn.plate_1}\right]$ $b_{conn.plate} = \begin{pmatrix} 36 \\ 0 \end{pmatrix} \cdot in$ $\begin{pmatrix} "FJ" \\ "SJ" \end{pmatrix}$

$D/C_{width.conn.plate_j} := 0$ on error $\left(\frac{b_{conn.plate.reqd_j}}{b_{conn.plate_j}}\right)$ $D/C_{width.conn.plate} = \begin{pmatrix} 0.86 \\ 0 \end{pmatrix}$

$$CheckWidth_{conn.plate_j} := if\left(b_{conn.plate_j} \geq b_{conn.plate.reqd_j}, "OK", "NoGood"\right) \qquad CheckWidth_{conn.plate} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$$

Bolt spacing

$$Spacing_{bolts.conn_j} := if\left[\left(t_{vertical.plate_j} = 0\cdot in\right), 0\cdot in, \frac{h_{conn.plate} - \left(2\cdot Distance_{bolt.edge_j}\right)}{0.5\cdot \#Bolts_{conn_j} - 1}\right] \qquad Spacing_{bolts.conn} = \begin{pmatrix} 12.5 \\ 0 \end{pmatrix}\cdot in \qquad \begin{pmatrix} "FS" \\ "SS" \end{pmatrix}$$

Calculate Bolt Loads

Calculate Capacities of Connection Elements Based on the AISC LRFD Specification

(Research Report 1126-4F by the Bureau of Engineering Research at the Univ. of Texas at Austin)
(Design of bolts and plates based on "Design Guide for Steel to Concrete Connections by Cook, Doerr & Klingner)

$$\theta_j := atan\left(\frac{M_{dl_j}}{M_{wl_j}}\right) \qquad \textit{Bending plane under full dead and wind load} \qquad \theta = \begin{pmatrix} 20.4 \\ 0.0 \end{pmatrix}\cdot deg$$

$$RC_j := \left(\frac{\frac{b_{conn.plate_j}}{2} - Distance_{bolt.edge_j}}{\cos\left(\theta_j\right)} + \frac{d_{base.arm_j}}{2}\right) \qquad \textit{Bolt moment arm} \qquad RC = \begin{pmatrix} 24 \\ 0 \end{pmatrix}\cdot in$$

$$d_{base} := \begin{pmatrix} \max\left(Diameter_{base.arm1}\right) \\ \max\left(Diameter_{base.arm2}\right) \end{pmatrix} \qquad d_{base} = \begin{pmatrix} 15 \\ 0 \end{pmatrix}\cdot in \qquad b_{conn.plate} = \begin{pmatrix} 36 \\ 0 \end{pmatrix}\cdot in \qquad h_{conn.plate} = 30\cdot in \qquad \theta = \begin{pmatrix} 20.4 \\ 0.0 \end{pmatrix}\cdot deg$$

$$Yieldangle_{test_j} := atan\left[\frac{\frac{b_{conn.plate_j}}{2} - \frac{d_{base_j}}{2} + \frac{d_{base_j}}{2}\cdot\left(1 - \cos\left(\theta_j\right)\right)}{\frac{h_{conn.plate}}{2} + \frac{d_{base_j}}{2}\cdot\sin\left(\theta_j\right)}\right] \qquad Yieldangle_{test} = \begin{pmatrix} 31.9 \\ 0 \end{pmatrix}\cdot deg$$

$$Yieldline_j := \frac{\frac{b_{conn.plate_j}}{2} - \frac{d_{base_j}}{2} + \frac{d_{base_j}}{2}\cdot\left(1 - \cos\left(\theta_j\right)\right) + \tan\left(\theta_j\right)\cdot\left(\frac{h_{conn.plate}}{2} - \frac{d_{base_j}}{2}\cdot\sin\left(\theta_j\right)\right)}{if\left[\left(\sin\left(\theta_j\right) = 0\right), 1, \sin\left(\theta_j\right)\right]} \qquad Yieldline = \begin{pmatrix} 44.7 \\ 0 \end{pmatrix}\cdot in$$

$$Yieldline_j := if\left[\left(Yieldangle_{test_j} \leq \theta_j\right), Yieldline_j, \frac{h_{conn.plate}}{\cos\left(\theta_j\right)}\right] \qquad Yieldline = \begin{pmatrix} 32 \\ 0 \end{pmatrix}\cdot in$$

$$M_{p.plate_j} := Yieldline_j\cdot F_{y.baseplate}\cdot\frac{\left(t_{baseplate.arm_j}\right)^2}{4} \qquad M_{p.plate} = \begin{pmatrix} 216 \\ 0 \end{pmatrix}\cdot kip\cdot ft$$

Compute Shear Capacity of Bolts (A325) *[AISC J3]*

$\phi_{bolt} = 0.75$ $F_{nv.bolt} = 54 \cdot ksi$ $F_{nt.bolt} = 90 \cdot ksi$ *previously defined in Luminaire bolt calculations*

$A_{gross.bolt_j} := if\left[d_{bolt.conn_j} = 0 \cdot in, 0.01 \cdot in^2, \pi \cdot \left(\frac{d_{bolt.conn_j}}{2}\right)^2\right]$ *Gross Bolt Area used for shear*

$A_{gross.bolt} = \begin{pmatrix} 1.23 \\ 0.01 \end{pmatrix} \cdot in^2$

$T_{n.bolts_j} := \left(A_{gross.bolt_j} \cdot F_{nt.bolt}\right) \cdot \frac{\#Bolts_{conn_j}}{2}$

$T_{n.bolts} = \begin{pmatrix} 331.3 \\ 2.7 \end{pmatrix} \cdot kip$

See Reference file for variable definitions

$CompForceOffset_j := if\left(0.5 \cdot \frac{b_{conn.plate_j}}{\cos(\theta_j)} - 0.5 \cdot in < \frac{M_{p.plate_j}}{T_{n.bolts_j}}, 0.5 \cdot \frac{b_{conn.plate_j}}{\cos(\theta_j)} - 0.5 \cdot in, \frac{M_{p.plate_j}}{T_{n.bolts_j}}\right)$

$CompForceOffset = \begin{pmatrix} 7.82 \\ -0.5 \end{pmatrix} \cdot in$

$T_{u.conn_j} := \frac{M_{u.conn_j}}{RC_j + CompForceOffset_j + t_{arm_j}}$

$T_{u.conn} = \begin{pmatrix} 85.7 \\ 0.0 \end{pmatrix} \cdot kip$

$DistA_j := \frac{b_{conn.plate_j}}{2} - Distance_{bolt.edge_j}$

$DistA = \begin{pmatrix} 15.5 \\ 0 \end{pmatrix} \cdot in$

$$T_{u.bolt.max_j} := \frac{T_{u.conn_j}}{0.5 \cdot \#Bolts_{conn_j}} + \frac{DistA_j \cdot \tan(\theta_j) \cdot T_{u.conn_j} \cdot (\#Bolts_{conn_j} \cdot 0.25 - 0.5) \cdot Spacing_{bolts.conn_j}}{\sum_{n=0}^{floor(0.25 \cdot \#Bolts_{conn_j})} \left[\frac{\left[\left(\#Bolts_{conn_j} \cdot 0.5\right) - 1\right] - 2 \cdot n}{2} \cdot Spacing_{bolts.conn_j}\right]^2 \cdot 2}$$

$T_{u.bolt.max} = \begin{pmatrix} 48.3 \\ 0.0 \end{pmatrix} \cdot kip$

$V_{u.bolt_j} := \frac{V_{u.conn_j}}{\#Bolts_{conn_j}}$ *Shear per Bolt*

$V_{u.bolt} = \begin{pmatrix} 1.19 \\ 0.00 \end{pmatrix} \cdot kip$

$f_{v.bolt_j} := \frac{V_{u.bolt_j}}{A_{gross.bolt_j}}$ *Bolt Shear Stress*

$f_{v.bolt} = \begin{pmatrix} 0.97 \\ 0.00 \end{pmatrix} \cdot ksi$

$f_{t.bolt_j} := \frac{T_{u.bolt.max_j}}{A_{gross.bolt_j}}$ *Bolt Tensile Stress*

$f_{t.bolt} = \begin{pmatrix} 39.3 \\ 0.0 \end{pmatrix} \cdot ksi$

$CSR_{bolt.conn_j} := \left(\frac{f_{v.bolt_j}}{\phi_{bolt} \cdot F_{nv.bolt}}\right)^2 + \left(\frac{f_{t.bolt_j}}{\phi_{bolt} \cdot F_{nt.bolt}}\right)^2$

$CSR_{bolt.conn} = \begin{pmatrix} 0.34 \\ 0.00 \end{pmatrix}$

$CheckCSR_{bolt.conn_j} := if\left(CSR_{bolt.conn_j} < 1, "OK", "NoGood"\right)$

$CheckCSR_{bolt.conn} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$

Arm Base Plate Thickness

AASHTO LTS minimum base plate thickness:

$t_{min.bpl.LTS} := 2 \cdot in$ *[LTS-1, Table 5.6.3-1]*

$t_{min.baseplate.fdot} := 2.5 \cdot in$ *[SM Vol 3, 5.6.3-1]*

ExistingMastArm = "No"

$t_{min.baseplate} := if\left(ExistingMastArm = "No", t_{min.baseplate.fdot}, t_{min.bpl.LTS}\right) = 2.50 \cdot in$

See Reference file for formula derivations

$\phi := 0.90$

$t_{baseplate.arm.reqd_j} := 0 \quad on\ error\left[\sqrt{\frac{4 \cdot T_{u.bolt.max_j} \cdot \left(DistA_j - \frac{d_{base.arm_j}}{2}\right)}{\left(\phi \cdot F_{y.baseplate}\right) \cdot h_{conn.plate}}}\right]$

$t_{baseplate.arm.reqd} = \begin{pmatrix} 1.26 \\ 0.00 \end{pmatrix} \cdot in$

$t_{baseplate.arm.min_j} := if\left[\left(V_{u.conn_j} = 0\right), 0 \cdot in, \max\left(t_{min.baseplate}, t_{baseplate.arm.reqd_j}\right)\right]$

$t_{baseplate.arm.min_j} = \begin{pmatrix} 2.50 \\ 0.00 \end{pmatrix} \cdot in$

$t_{baseplate.arm} = \begin{pmatrix} 3.0 \\ 0.0 \end{pmatrix} \cdot in$

$D/C_{t.baseplate.arm_j} := \frac{t_{baseplate.arm.min_j}}{t_{baseplate.arm_j}}$

$D/C_{t.baseplate.arm} = \begin{pmatrix} 0.83 \\ 0.00 \end{pmatrix}$

(if D/C <= 1.0 OK)

Upright Connection Plate Thickness

See Reference file for formula derivations

$t_{conn.plate.reqd_j} := if\left[\left(V_{u.conn_j} = 0\right), 0 \cdot in, \sqrt{\frac{4 \cdot T_{u.bolt.max_j} \cdot \left(\frac{b_{conn.plate_j} - Diameter_{conn.pole} - 2 \cdot t_{vertical.plate_j} - 2 \cdot Distance_{bolt.edge_j}}{2}\right)}{\left(\phi \cdot F_{y.baseplate}\right) \cdot h_{conn.plate}}}\right]$

$t_{conn.plate.reqd} = \begin{pmatrix} 1.02 \\ 0.00 \end{pmatrix} \cdot in$

$t_{conn.plate.reqd_j} := if\left[\left(V_{u.conn_j} = 0\right), 0 \cdot in, \max\left(t_{min.bpl.LTS}, t_{conn.plate.reqd_j}\right)\right]$

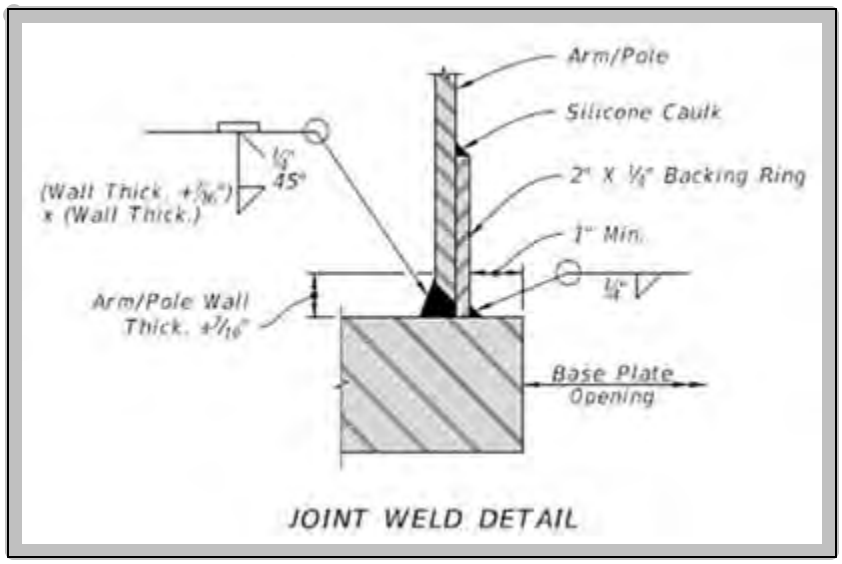
$t_{conn.plate.reqd} = \begin{pmatrix} 2.00 \\ 0.00 \end{pmatrix} \cdot in$

$t_{conn.plate} := \begin{pmatrix} 2.50 \\ 0.00 \end{pmatrix} in$ *Conservatively increased to match standard FR of 2.50*

$t_{conn.plate} = \begin{pmatrix} 2.50 \\ 0.00 \end{pmatrix} \cdot in \quad \begin{pmatrix} "FR" \\ "SR" \end{pmatrix}$

Weld Size of Arm to Plate Connection

The weld size for the unequal leg full penetration weld connecting the arm to the base plate is shown below



Previous FDOT Design Standards used a socket weld. The calculations below are included for reference only.

(Design welds of the socket joint to carry 100% of the design load using an E70 electrode.).

$$S_{weld_j} := \pi \cdot \left(\frac{d_{base.arm_j}}{2}\right)^2 \qquad L_{weld_j} := \pi \cdot d_{base.arm_j}$$ *Weld Properties*

$$f_{weld_j} := \sqrt{\left(\frac{M_{u.conn_j}}{S_{weld_j}}\right)^2 + \left(\frac{V_{u.conn_j}}{L_{weld_j}}\right)^2}$$ *Total Stress on Weld*

$$f_{weld} = \begin{pmatrix} 15.63 \\ 0.00 \end{pmatrix} \cdot \frac{kip}{in}$$

Max. Bottom Weld Size

$$w_{bot.arm_j} := \text{if}\left[\left(t_{arm_j} = 0 \cdot in\right), 0 \cdot in, t_{arm_j} - \left(\frac{1}{16} \cdot in\right)\right] \qquad w_{bot.arm_j} := \text{Ceil}\left(w_{bot.arm_j}, \frac{1}{16} \cdot in\right) \qquad w_{bot.arm} = \begin{pmatrix} \frac{5}{16} \\ 0 \end{pmatrix} \cdot in \quad \begin{pmatrix} \text{"FM"} \\ \text{"SM"} \end{pmatrix}$$

$$f_{bot.weld_j} := w_{bot.arm_j} \cdot \left[(0.75) \cdot (0.6) \cdot (70 \cdot ksi) \cdot \left(\frac{1}{\sqrt{2}}\right)\right]$$ *Bottom Weld Stress*

AISC Table J2.5

$$f_{bot.weld} = \begin{pmatrix} 6.96 \\ 0.00 \end{pmatrix} \cdot \frac{kip}{in}$$

$$f_{top.weld_j} := f_{weld_j} - f_{bot.weld_j}$$ *Top Weld Stress*

$$f_{top.weld} = \begin{pmatrix} 8.67 \\ 0.00 \end{pmatrix} \cdot \frac{kip}{in}$$

$$w_{top.arm_j} := \frac{f_{top.weld_j}}{(0.75) \cdot (0.6) \cdot (70 \cdot ksi) \cdot \left(\frac{1}{\sqrt{2}}\right)}$$ *Top Weld Size*

$$w_{top.arm_j} := \text{Ceil}\left(w_{top.arm_j}, \frac{1}{16} \cdot in\right) \qquad w_{top.arm} = \begin{pmatrix} \frac{7}{16} \\ 0 \end{pmatrix} \cdot in$$

$w_{top.arm_j} := if\left[\left(w_{top.arm_j} > t_{arm_j}\right), w_{top.arm_j}, Ceil\left(t_{arm_j}, \frac{1}{16}\cdot in\right)\right]$ *Round up to next 1/16 inch* $w_{top.arm} = \begin{pmatrix} 7/16 \\ 0 \end{pmatrix}\cdot in \quad \begin{pmatrix} "FQ" \\ "SQ" \end{pmatrix}$

Size of Vertical Welds to Upright

(Design welds to resist dead load moment , wind load moment, and dead load shear using an E70 electrode)

$S_{dl.mom} := \frac{h_{conn.plate}^2}{3} = 300\cdot in^2$ *Weld Properties* $S_{wl.mom} := Diameter_{conn.pole}\cdot h_{conn.plate} = 571.6\cdot in^2$

$A_{dl.shr} := 2\cdot h_{conn.plate} = 60\cdot in$ $r_{upright} := \frac{Diameter_{conn.pole}}{2} = 9.5\cdot in$

$$f_{weld_j} := \sqrt{\left[\frac{M_{dl_j} + V_{dl.arm_j}\cdot\left[\left(r_{upright}\right) + Gap_j\right]}{S_{dl.mom}}\right]^2 + \left[\frac{M_{wl_j} + V_{wl.arm_j}\cdot\left[\left(r_{upright}\right) + Gap_j\right]}{S_{wl.mom}}\right]^2 + \left(\frac{V_{dl.arm_j}}{A_{dl.shr}}\right)^2} \qquad f_{weld} = \begin{pmatrix} 5.8 \\ 0.0 \end{pmatrix}\cdot\frac{kip}{in}$$

For new designs of arm to pole connection plates and welds, forces are assumed to be resisted by the two vertical plates only and the contribution of top and bottom plates has been conservatively ignored.

For existing arm analysis, assume the following:
WL moment and DL shear resisted by the vertical plates
DL moment and WL shear resisted by the top and bottom plates.

$S_{dl} := \left(Diameter_{conn.pole} - 2in\right)h_{conn.plate} = 511.6\cdot in^2$ $S_{wl} := S_{wl.mom} = 571.6\cdot in^2$

$A_{wl.shr} := 2\left(Diameter_{conn.pole} - 2in\right) = 34.1\cdot in$ $A_{dl.shr} = 60\cdot in$

$$f_{weld.hor_j} := \sqrt{\left[\frac{M_{dl_j} + V_{dl.arm_j}\cdot\left[\left(r_{upright}\right) + Gap_j\right]}{S_{dl}}\right]^2 + \left(\frac{V_{wl.arm_j}}{A_{wl.shr}}\right)^2} \qquad f_{weld.hor} = \begin{pmatrix} 2.0 \\ 0.0 \end{pmatrix}\cdot\frac{kip}{in}$$

$$f_{weld.vert_j} := \sqrt{\left[\frac{M_{wl_j} + V_{wl.arm_j}\cdot\left[\left(r_{upright}\right) + Gap_j\right]}{S_{wl}}\right]^2 + \left(\frac{V_{dl.arm_j}}{A_{dl.shr}}\right)^2} \qquad f_{weld.vert} = \begin{pmatrix} 4.7 \\ 0.0 \end{pmatrix}\cdot\frac{kip}{in}$$

$f_{weld_j} := if\left(ExistingMastArm = "No", f_{weld_j}, min\left(f_{weld_j}, max\left(f_{weld.hor_j}, f_{weld.vert_j}\right)\right)\right)$ $f_{weld} = \begin{pmatrix} 5.8 \\ 0.0 \end{pmatrix}\cdot\frac{kip}{in}$

Plate/Upright Weld size

$$w_{vert.plate_j} := \frac{f_{weld_j}}{0.75\cdot(0.6\cdot 70\cdot ksi)\cdot\left(\frac{1}{\sqrt{2}}\right)}$$

AISC Table J2.5

$w_{vert.plate_j} := Ceil\left(w_{vert.plate_j}, \frac{1}{16}\cdot in\right)$ $w_{vert.plate} = \begin{pmatrix} 5/16 \\ 0 \end{pmatrix}\cdot in$

$$fMinFilletWeld(t) := \begin{cases} \frac{1}{8}in & \text{if } 0\cdot in < t \le \frac{1}{4}in \\ \frac{3}{16}in & \text{if } \frac{1}{4}in < t \le \frac{1}{2}in \\ \frac{1}{4}in & \text{if } \frac{1}{2}in < t \le \frac{3}{4}in \\ \frac{5}{16}in & \text{if } t > \frac{3}{4}in \\ 0\cdot in & \text{otherwise} \end{cases}$$

min weld size **AISC Table J2.4**

$w_{p.min_j} := fMinFilletWeld\left(\min\left(t_{vertical.plate_j}, t_{wall.pole}\right)\right)$

$w_{p.min} = \begin{pmatrix} \frac{3}{16} \\ 0 \end{pmatrix}\cdot in$

$w_{vertical.plate_j} := if\left[\left(w_{vert.plate_j} > w_{p.min_j}\right), w_{vert.plate_j}, w_{p.min_j}\right]$

$w_{vertical.plate} = \begin{pmatrix} 0.3 \\ 0 \end{pmatrix}\cdot in$

$w_{vertical.plate} := \begin{pmatrix} \frac{7}{16} \\ 0 \end{pmatrix} in$ $\begin{pmatrix} "FN" \\ "SN" \end{pmatrix}$ *Conservatively increased to match standard FN of 7/16*

Size of Vertical Welds to Connection Plate

$w_{conn.plate_j} := w_{vert.plate_j}$

$w_{conn.plate} = \begin{pmatrix} \frac{5}{16} \\ 0 \end{pmatrix}\cdot in$

$w_{c.min_j} := fMinFilletWeld\left(\min\left(t_{vertical.plate_j}, t_{conn.plate_j}\right)\right)$

min weld size

AISC Table J2.4

$w_{c.min} = \begin{pmatrix} \frac{1}{4} \\ 0 \end{pmatrix}\cdot in$

$w_{conn.plate_j} := if\left[\left(w_{conn.plate_j} > w_{c.min_j}\right), w_{conn.plate_j}, w_{c.min_j}\right]$

$w_{conn.plate} = \begin{pmatrix} \frac{5}{16} \\ 0 \end{pmatrix}\cdot in$

$w_{conn.plate_j} := \begin{pmatrix} \frac{7}{16} \\ 0 \end{pmatrix} in$ $\begin{pmatrix} "FT" \\ "ST" \end{pmatrix}$ *Conservatively increased to match standard FT of 7/16*

Check Thickness of Vertical Plates

$t_{vertical.plate} = \begin{pmatrix} 0.750 \\ 0.000 \end{pmatrix}\cdot in$ *Plate Thickness*

$h_{vertical.plate} := h_{conn.plate}$

$A_{vertical.plate_j} := t_{vertical.plate_j}\cdot h_{vertical.plate}$

$A_{vertical.plate} = \begin{pmatrix} 22.5 \\ 0 \end{pmatrix}\cdot in^2$

$L_{b_j} := \frac{Diameter_{conn.pole}}{2} + Gap_j - t_{conn.plate_j}$ $\quad L_b = \begin{pmatrix} 14.5 \\ 9.5 \end{pmatrix} \cdot in$

$r_{y_j} := \frac{t_{vertical.plate_j}}{\sqrt{12}}$ $\quad r_y = \begin{pmatrix} 0.2 \\ 0.0 \end{pmatrix} \cdot in$

$\lambda_j := if\left[\left(t_{vertical.plate_j} = 0 \cdot in\right), 0, \frac{L_{b_j}}{r_{y_j}}\right]$ *Controlling Slenderness Parameter* $\quad \lambda = \begin{pmatrix} 67.1 \\ 0.0 \end{pmatrix}$

$M_{p_j} := \frac{h_{vertical.plate}^2 \cdot t_{vertical.plate_j}}{4} \cdot F_{y.baseplate}$ *Plastic Moment* $\quad M_p = \begin{pmatrix} 506.2 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$M_{r_j} := \frac{h_{vertical.plate}^2 \cdot t_{vertical.plate_j}}{6} \cdot F_{y.baseplate}$ *Limiting Buckling Moment* $\quad M_r = \begin{pmatrix} 337.5 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$J_j := 0.3 \cdot \left(t_{vertical.plate_j}\right)^3 \cdot h_{vertical.plate}$

$A_j := A_{vertical.plate_j}$ $\quad E_s = 29000 \cdot ksi$

$\lambda_{p_j} := \frac{(3750 \cdot ksi) \cdot \sqrt{J_j \cdot A_j}}{M_{p_j}}$ *Flexural Slenderness Parameters* $\quad \lambda_p = \begin{pmatrix} 5.7 \\ 0.0 \end{pmatrix}$

$\lambda_{r_j} := \frac{(57000 \cdot ksi) \cdot \sqrt{J_j \cdot A_j}}{M_{r_j}}$ ***AISC Table A-F1.1*** $\quad \lambda_r = \begin{pmatrix} 130.1 \\ 0.0 \end{pmatrix}$

$M_{n_j} := \left[M_{p_j} - \left(M_{p_j} - M_{r_j}\right) \cdot \left(\frac{\lambda_j - \lambda_{p_j}}{\lambda_{r_j} - \lambda_{p_j}}\right)\right]$ *For* $\lambda_p < \lambda <= \lambda_r$ *Nominal Flex. Strength* ***AISC Eqn A-F1-3*** $\quad M_n = \begin{pmatrix} 423 \\ 0 \end{pmatrix} \cdot kip \cdot ft$

$M_{cr_j} := \frac{(57000 \cdot ksi) \cdot \sqrt{J_j \cdot A_j}}{\lambda_j}$ *For* $\lambda < \lambda_r$ *Nominal Flex. Strength* ***AISC Eqn F1-14*** $\quad M_{cr} = \begin{pmatrix} 654 \\ 0 \end{pmatrix} \cdot kip \cdot ft$

$\phi M_{n_j} := if\left[\left(\lambda_{p_j} < \lambda_j\right), 0.9 \cdot M_{n_j}, 0.9 \cdot M_{p_j}\right]$ $\quad \phi M_n = \begin{pmatrix} 380.7 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$\phi M_{n_j} := if\left[\left(\lambda_{r_j} < \lambda_j\right), 0.9 \cdot M_{cr_j}, \phi M_{n_j}\right]$ $\quad \phi M_n = \begin{pmatrix} 380.7 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$M_{u_j} := \frac{M_{dl_j} + V_{dl.arm_j} \cdot \left(r_{upright} + Gap_j\right)}{2}$ *Required Flexural Strength* $\quad M_u = \begin{pmatrix} 42.2 \\ 0.0 \end{pmatrix} \cdot kip \cdot ft$

$$\lambda_{c_j} := \text{if}\left[\left(t_{\text{vertical.plate}_j} \neq 0\cdot\text{in}\right), \frac{L_{b_j}}{r_{y_j}\cdot\pi}\cdot\sqrt{\frac{F_{y.\text{baseplate}}}{E_s}}, .0\right]$$

Column Slenderness Parameter

AISC Eqn E2-4

$$\lambda_c = \begin{pmatrix} 0.75 \\ 0.00 \end{pmatrix}$$

$$F_{cr_j} := \text{if}\left[\left(\lambda_{c_j} \leq 1.5\right), \left[0.658^{\left(\lambda_{c_j}\right)^2}\right]\cdot F_{y.\text{baseplate}}, \left[\frac{0.877}{\left(\lambda_{c_j}\right)^2}\right]\cdot F_{y.\text{baseplate}}\right]$$

Nominal Critical Stress

AISC Eqns E2-2 & E2-3

$$F_{cr} = \begin{pmatrix} 28.4 \\ 36.0 \end{pmatrix}\cdot\text{ksi}$$

$$\phi P_{n_j} := 0.85\cdot A_j\cdot F_{cr_j}$$

Nominal Compressive Strength

AISC Eqn E2-1

$$\phi P_n = \begin{pmatrix} 543.2 \\ 0.0 \end{pmatrix}\cdot\text{kip}$$

$$P_{u_j} := \frac{M_{wl_j} + V_{wl.arm_j}\cdot\left[\left(r_{\text{upright}}\right) + \text{Gap}_j\right]}{\text{Diameter}_{\text{conn.pole}}}$$

Required Compressive Strength

$$P_u = \begin{pmatrix} 141.7 \\ 0 \end{pmatrix}\cdot\text{kip}$$

$$\text{fCFI}_{\text{simple}}\left(P_u, P_r, B, M_u, M_r\right) := \begin{cases} \dfrac{P_u}{P_r} + \dfrac{8\cdot B\cdot M_u}{9\cdot M_r} & \text{if } \dfrac{P_u}{P_r} > 0.2 \\ \dfrac{P_u}{2P_r} + \dfrac{B\cdot M_u}{M_r} & \text{otherwise} \end{cases}$$

$$\text{CFI}_{\text{t.vert.plate}_j} := \text{fCFI}_{\text{simple}}\left(P_{u_j}, \phi P_{n_j}, 1.0, M_{u_j}, \phi M_{n_j}\right)$$

Combined Force Interaction Ratio
Flexure and Tension members

AISC Eqns H1-1a & H1-1b

$$\text{CFI}_{\text{t.vert.plate}} = \begin{pmatrix} 0.36 \\ 0.00 \end{pmatrix}$$

(if CFI<1, then OK)

For new designs of arm to pole connection plates and welds, forces are assumed to be resisted by the two vertical plates only and the contribution of top and bottom plates has been conservatively ignored.

For existing arm analysis, assume the following:
WL moment and DL shear resisted by the vertical plates
DL moment and WL shear resisted by the top and bottom plates.

$$t_{\text{hor.plate}} := t_{\text{vertical.plate}}$$

$$A_{\text{hor.plate}_j} := t_{\text{hor.plate}_j}\cdot\left(\text{Diameter}_{\text{conn.pole}} - 2\text{in}\right)$$

$$A_{\text{hor.plate}} = \begin{pmatrix} 12.79 \\ 0 \end{pmatrix}\cdot\text{in}^2$$

$$P_{u.\text{hor}_j} := \frac{M_{dl_j} + V_{dl.arm_j}\cdot\left[\left(r_{\text{upright}}\right) + \text{Gap}_j\right]}{h_{\text{conn.plate}}}$$

Required Compressive Strength

$$P_{u.\text{hor}} = \begin{pmatrix} 33.8 \\ 0 \end{pmatrix}\cdot\text{kip}$$

$$\phi P_{n.\text{hor}_j} := 0.85\cdot A_{\text{hor.plate}_j}\cdot F_{cr_j}$$

L.b of horizontal plates is less than that of vertical plates. Conservatively assume Fcr of horizontal plates is the same of vertical plates.

$$\phi P_{n.\text{hor}} = \begin{pmatrix} 308.8 \\ 0.0 \end{pmatrix}\cdot\text{kip}$$

$$\text{CFI}_{\text{t.vert.plate}_j} := \text{if}\left(\text{ExistingMastArm} = \text{"No"}, \text{CFI}_{\text{t.vert.plate}_j}, \min\left(\text{CFI}_{\text{t.vert.plate}_j}, \max\left(\frac{P_{u_j}}{\phi P_{n_j}}, \frac{P_{u.\text{hor}_j}}{\phi P_{n.\text{hor}_j}}\right)\right)\right)$$

$$\text{CFI}_{\text{t.vert.plate}} = \begin{pmatrix} 0.36 \\ 0.00 \end{pmatrix}$$

(if CFI<1, then OK)

$D/C_0 := \max\left(\begin{pmatrix} D/C_{t.baseplate.arm_0} \\ CFI_{t.vert.plate_0} \end{pmatrix}\right)$ $D/C_1 := \text{if}\left[\left(M_{dl_1} = 0\cdot kip\cdot ft\right), 0, \max\left(\begin{pmatrix} D/C_{t.baseplate.arm_1} \\ CFI_{t.vert.plate_1} \end{pmatrix}\right)\right]$ $D/C = \begin{pmatrix} 0.83 \\ 0.00 \end{pmatrix}$

(if D/C < 1, then OK)

$j := 0..1$ $vert_{plt.width_j} := r_{upright} + Gap_j - t_{conn.plate_j}$ $vert_{plt.width_1} := \text{if}\left[\left(M_{dl_1} = 0\cdot kip\cdot ft\right), 0\cdot in, vert_{plt.width_1}\right]$

set variables equal to zero if there is no second arm

$b_{conn.plate_1} := fSetZero\left(b_{conn.plate_1}, in\right)$

$Gap_1 := fSetZero\left(Gap_1, in\right)$

$t_{conn.plate_1} := fSetZero\left(t_{conn.plate_1}, in\right)$

$t_{baseplate.arm_1} := fSetZero\left(t_{baseplate.arm_1}, in\right)$

$w_{conn.plate_1} := fSetZero\left(w_{conn.plate_1}, in\right)$

$w_{top.arm_1} := fSetZero\left(w_{top.arm_1}, in\right)$

$Offset_{conn_1} := fSetZero\left(Offset_{conn_1}, in\right)$

$t_{vertical.plate_1} := fSetZero\left(t_{vertical.plate_1}, in\right)$

$d_{bolt.conn_1} := fSetZero\left(d_{bolt.conn_1}, in\right)$

$\#Bolts_{conn_1} := fSetZero\left(\#Bolts_{conn_1}, 1\right)$

$w_{bot.arm_1} := fSetZero\left(w_{bot.arm_1}, in\right)$

$Spacing_{bolts.conn_1} := fSetZero\left(Spacing_{bolts.conn_1}, in\right)$

$w_{vertical.plate_1} := fSetZero\left(w_{vertical.plate_1}, in\right)$

$D/C_{t.baseplate.arm_1} := \text{if}\left(L_{total.arm2} < 1\cdot ft, 0, D/C_{t.baseplate.arm_1}\right) = 0$

$CFI_{t.vert.plate_1} := \text{if}\left(L_{total.arm2} < 1\cdot ft, 0, CFI_{t.vert.plate_1}\right) = 0$

Analyze Connection

Connection Summary

'HT'= $h_{conn.plate} = 30\cdot in$ $D/C_{ht.conn.plate} = 0.60$ $CheckHt_{conn.plate} = \text{"OK"}$

$D/C_{width.conn.plate_0} = 0.86$

$CheckWidth_{conn.plate_0} = \text{"OK"}$

$\#Bolts_{conn_0} = 6$

'FO'= $Offset_{conn_0} = 17.0\cdot in$

$\begin{pmatrix} D/C_{t.baseplate.arm_0} \\ CFI_{t.vert.plate_0} \\ CSR_{bolt.conn_0} \end{pmatrix} = \begin{pmatrix} 0.83 \\ 0.36 \\ 0.34 \end{pmatrix}$

'FJ'= $b_{conn.plate_0} = 36\cdot in$

'FK'= $t_{baseplate.arm_0} = 3.00\cdot in$

'FL'= $t_{vertical.plate_0} = 0.75\cdot in$

'FP'= $d_{bolt.conn_0} = 1.25\cdot in$

'FR'= $t_{conn.plate_0} = 2.50\cdot in$

'FS'= $Spacing_{bolts.conn_0} = 12.5\cdot in$

'FN'= $w_{vertical.plate_0} = \frac{7}{16}\cdot in$

'FT'= $w_{conn.plate_0} = \begin{pmatrix} \frac{7}{16} \\ 0 \end{pmatrix}\cdot in$

$D/C_{width.conn.plate_1} = 0.00$

$CheckWidth_{conn.plate_1} = "OK"$

$\#Bolts_{conn_1} = 0$

'SO'= $Offset_{conn_1} = 0.0\cdot in$

$\begin{pmatrix} D/C_{t.baseplate.arm_1} \\ CFI_{t.vert.plate_1} \\ CSR_{bolt.conn_1} \end{pmatrix} = \begin{pmatrix} 0.00 \\ 0.00 \\ 0.00 \end{pmatrix}$

'SJ'= $b_{conn.plate_1} = 0\cdot in$

'SP'= $d_{bolt.conn_1} = 0\cdot in$

'SK'= $t_{baseplate.arm_1} = 0.00\cdot in$

'SR'= $t_{conn.plate_1} = 0.00\cdot in$

'SL'= $t_{vertical.plate_1} = 0\cdot in$

'SS'= $Spacing_{bolts.conn_1} = 0.00\cdot in$

'SN'= $w_{vertical.plate_1} = 0\cdot in$

'ST'= $w_{conn.plate_1} = 0\cdot in$

VII. Upright Base Plate & Anchor Bolt Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat"

Enter Anchorage Data

Anchor Bolt Diameter (in)	*Number of Anchor Bolts*	Help - Number of Anchor Bolts
2	8	
'BC'	'#Bolts'	

$Diameter_{base.pole} = 22\cdot in$

Analyze Base Plate & Anchors

Base Plate and Anchor Summary

'#Bolts'= $\#AnchorBolts = 8$

'BB'= $t_{baseplate.pole} = 2.50\cdot in$

$CSR_{anchor} = 0.16$

$Diameter_{boltcircle.pole} = 30\cdot in$

'BC'= $d_{anchorbolt} = 2.00\cdot in$

$CheckCSR_{anchorbolt} = "OK"$

'BA'= $Diameter_{baseplate.pole} = 38\cdot in$

VIII. Foundation Analysis & Anchor Bolt Lengths

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat"

Enter Drilled Shaft Data

Soil Type	Sand / Clay	
Soil Density, γ_{soil} (45-50 pcf typ.)	48	pcf
Friction Angle, ϕ (Sands)	32	deg
SPT Number (N_{blows} 5 min.) (Sands)	15	
Shear Strength, c (Clays)		ksf
Ground to Top of Shaft Offset	0.0	ft

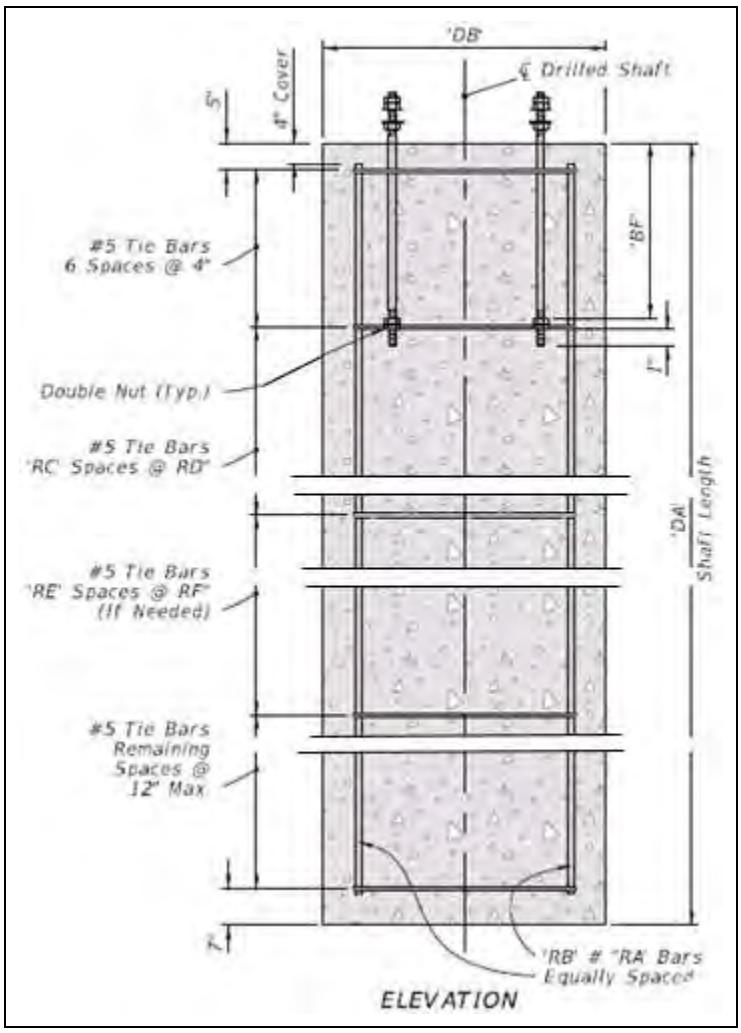
First Set of User Defined Stirrups:

Number of Stirrup Spaces	'RC'	10	
Stirrup Spacing	'RD'	8	in

Second Set of User Defined Stirrups:

Number of Stirrup Spaces enter zero for 12 inch spacing	'RE'	0	
Stirrup Spacing enter zero for 12 inch spacing	'RF'	0	in

Stirrup Bar Size, use #5 for all Standard Shafts — #5 / #6



Analyze Foundation

define variable for saving in output file

$$inpLuminaire := \begin{pmatrix} inpYLuminaire \\ inpXLuminaire \\ inpLumBaseDia \\ inpLumWallThk \\ inpLumSlope \\ inpLumRadius \\ inpLumBoltDia \\ inptLumBasePlate \end{pmatrix} \qquad outLuminaire := inpLuminaire$$

$$inpUpright := \begin{pmatrix} inpUprightTotHeight \\ inpUprightHtToConn \\ inpUprightBaseDia \\ inpUprightWallThk \\ inpAnchorBoltDia \\ inpNumOfAnchorBolts \\ inpConnPlateHeight \end{pmatrix} \qquad outUpright := inpUpright$$

$$inpConn := \begin{pmatrix} inpArm1Gap & inpArm1VertPlateThk & inpArm1BoltDia & inpArm1BasePlateThk & inpArm1BasePlateWidth \\ inpArm2Gap & inpArm2VertPlateThk & inpArm2BoltDia & inpArm2BasePlateThk & inpArm2BasePlateWidth \end{pmatrix}$$

$$outConn := inpConn$$

$$inpShaft := \begin{pmatrix} num2str(inpSoilType) \\ inpSoilDensity \\ inpFrictionAngle \\ inpNumBlows \\ inpShearStrength \\ "0.0" \\ "0.0" \\ "0.0" \\ inpShaftOffset \\ inpNumSpacesB \\ inpStirrupSpacingB \\ inpNumSpacesC \\ inpStirrupSpacingC \\ inpStirrupSize \end{pmatrix} \qquad outShaft := inpShaft$$

Foundation Data

$SoilType := inpSoilType = 0$

$$\gamma_{soil} := \begin{cases} str2num(inpSoilDensity)\cdot pcf & \text{if } SoilType = 0 \\ 50\cdot pcf & \text{otherwise} \end{cases} \qquad \gamma_{soil} = 48\cdot pcf$$

$$\phi_{soil} := \begin{cases} str2num(inpFrictionAngle)\cdot deg & \text{if } SoilType = 0 \\ 30\cdot deg & \text{otherwise} \end{cases} \qquad \phi_{soil} = 32\cdot deg$$

$$N_{blows} := \begin{cases} str2num(inpNumBlows) & \text{if } SoilType = 0 \\ 10 & \text{otherwise} \end{cases} \qquad N_{blows} = 15$$

$$c_{soil} := \begin{cases} str2num(inpShearStrength)\cdot ksf & \text{if } SoilType = 1 \\ 1\cdot ksf & \text{otherwise} \end{cases} \qquad c_{soil} = 1\cdot ksf$$

$Offset := str2num(inpShaftOffset)\cdot ft = 0\ ft$

$NumSpacesStirrupsB := str2num(inpNumSpacesB) = 10$

$s_{v_1} := str2num(inpStirrupSpacingB)\cdot in = 8\cdot in$

$NumSpacesStirrupsC := str2num(inpNumSpacesC) = 0$

$s_{v_2} := \text{str2num}(\text{inpStirrupSpacingC}) \cdot \text{in} = 0 \cdot \text{in}$

$\text{StirrupBarSize} := \text{inpStirrupSize} = 5$

$\gamma_{water} := 62.4 \cdot \text{pcf} = 62.4 \cdot \text{pcf}$ *(not used)*

$idx := idx + 1 = 44$ $\quad \text{DataOut}_{idx} := \text{SoilType}$

$idx := idx + 1 = 45$ $\quad \text{DataOut}_{idx} := \dfrac{\gamma_{soil}}{\text{pcf}}$

$idx := idx + 1 = 46$ $\quad \text{DataOut}_{idx} := \dfrac{\phi_{soil}}{\text{deg}}$

$idx := idx + 1 = 47$ $\quad \text{DataOut}_{idx} := N_{blows}$

$idx := idx + 1 = 48$ $\quad \text{DataOut}_{idx} := \dfrac{c_{soil}}{\text{ksf}}$

$idx := idx + 1 = 49$ $\quad \text{DataOut}_{idx} := \dfrac{\text{Offset}}{\text{ft}}$

$idx := idx + 1 = 50$ $\quad \text{DataOut}_{idx} := \text{NumSpacesStirrupsB}$

$idx := idx + 1 = 51$ $\quad \text{DataOut}_{idx} := \dfrac{s_{v_1}}{\text{in}}$

$idx := idx + 1 = 52$ $\quad \text{DataOut}_{idx} := \text{NumSpacesStirrupsC}$

$idx := idx + 1 = 53$ $\quad \text{DataOut}_{idx} := \dfrac{s_{v_2}}{\text{in}}$

$idx := idx + 1 = 54$ $\quad \text{DataOut}_{idx} := \text{StirrupBarSize}$

PRNFile = "\Data\MA 1 Saddle Creek at Tenoroc H

WRITEPRN(PRNFile) := DataOut

Foundation Design References

LRFD = AASHTO LRFD Bridge Design Specifications

SM V3 = FDOT Structures Manual Volume 3

SDG = FDOT Structures Design Guidelines

Spec = FDOT Standard Specifications

ACI = ACI 318 Structural Concrete Building Code

UF Report = FDOT/University of Florida Report BD545 RPWO #54

Applied Loads

(From Arm1 Design)

$V_{extreme} = 150 \cdot mph$

(from Base Plate Design)

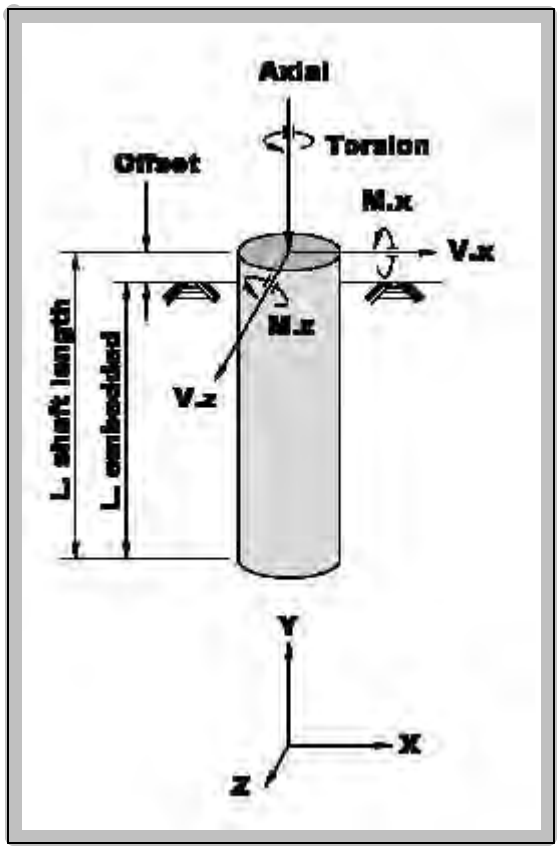
#AnchorBolts = 8

$d_{anchorbolt} = 2 \cdot in$

$Diameter_{boltcircle.pole} = 30 \cdot in$

$T_{u.anchor} = 35.3 \cdot kip$

(from Upright Design)



$$M_{x.polebase} = \begin{pmatrix} 0 \\ 154.7 \\ 154.7 \end{pmatrix} \cdot kip \cdot ft$$

$$M_{y.polebase} = \begin{pmatrix} 224.9 \\ 0 \\ 224.9 \end{pmatrix} \cdot kip \cdot ft$$

$$M_{z.polebase} = \begin{pmatrix} 0 \\ 84.5 \\ 84.5 \end{pmatrix} \cdot kip \cdot ft$$

LoadCaseT = 0 LoadCaseOT = 1 LoadCaseCFI = 2

$$V_{x.polebase} = \begin{pmatrix} 0 \\ 0 \\ 0 \end{pmatrix} \cdot kip \qquad AxialForce_{polebase} = \begin{pmatrix} 5.1 \\ 5.1 \\ 5.1 \end{pmatrix} \cdot kip \qquad V_{z.polebase} = \begin{pmatrix} 0 \\ 7.8 \\ 7.8 \end{pmatrix} \cdot kip$$

Foundation Diameter

$Diameter_{shaft} := Diameter_{boltcircle.pole} + 12 \cdot in + 12 \cdot in = 4.5\ ft$

round shaft diameter up to the nearest half foot dimension to accommodate available coring equipment

$Diameter_{shaft} := Ceil\left(Diameter_{shaft}, \frac{1}{2} \cdot ft\right) = 4.5\ ft$

$Diameter_{shaft.custom} := 5 \cdot ft$

SPI 649-030 and 649-031 requires a minimum 4.5-ft diameter drilled shaft for pole type P4. This lengthened the shaft and placed shaft tip in a soil layer with worse conditions.

$Diameter_{shaft} := if\left[\left(Diameter_{shaft.custom} > 0 \cdot ft\right), Diameter_{shaft.custom}, Diameter_{shaft}\right] = 1.5$

$b := Diameter_{shaft}$

Shaft Depth Required to Resist Overturning

the following calculations are consistent with FDOT's Drilled Shaft Program V1.1

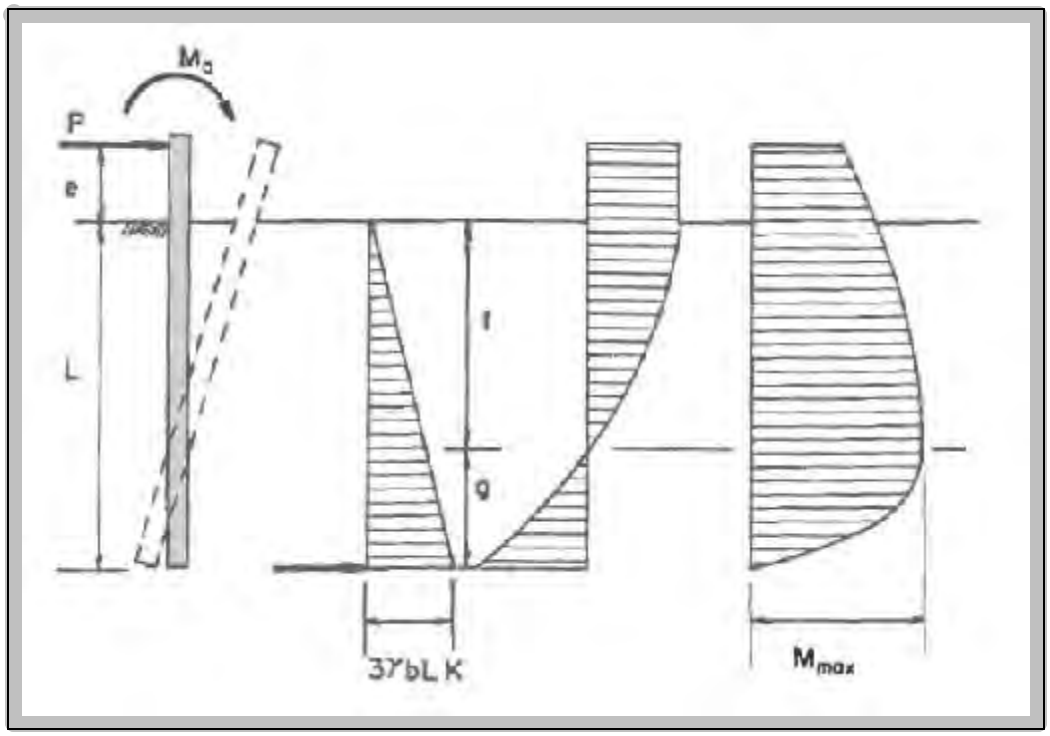
$\phi_{ot} := 0.6$ ***SM V3 13.6*** Offset = 0·ft *vertical distance between top of foundation and ground line*

$$M_u := \sqrt{\left(M_{x.polebase_{LoadCaseOT}}\right)^2 + \left(M_{z.polebase_{LoadCaseOT}}\right)^2} = 176.3 \cdot kip \cdot ft$$

$$P_u := \sqrt{\left(V_{x.polebase_{LoadCaseOT}}\right)^2 + \left(V_{z.polebase_{LoadCaseOT}}\right)^2} = 7.83 \cdot kip$$

$T_u := M_{y.polebase_{LoadCaseT}} = 224.9 \cdot kip \cdot ft$

*short free-head pile in **cohesionless soil** using Broms method*



Deflection, load, shear and moment diagram for a short pile in cohesionless soil that is unrestrained against rotation.

$$K_p := \tan\left(45 \cdot deg + \frac{\phi_{soil}}{2}\right)^2 = 3.3 \qquad e_{sand} := Offset = 0\ ft$$

Guess value $L_{otSand} := 8 \cdot ft$

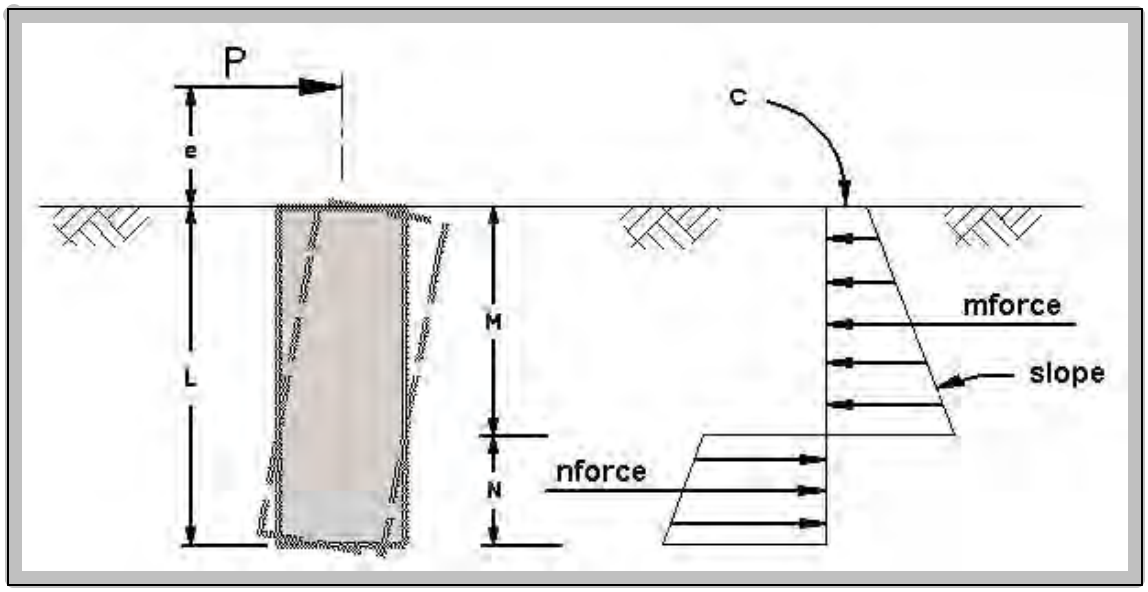
Given $$P_u \cdot \left(e_{sand} + L_{otSand}\right) + M_u = \phi_{ot} \cdot \left[\left(3 \cdot \gamma_{soil} \cdot b \cdot L_{otSand} \cdot K_p\right) \cdot \left(\frac{1}{2} \cdot L_{otSand}\right) \cdot \left(\frac{1}{3} \cdot L_{otSand}\right)\right]$$

$L_{otSand} := Find\left(L_{otSand}\right) = 10.3\ ft$

$L_{otSand} := \text{ceil}\left(\frac{L_{otSand}}{ft}\right)\cdot ft = 11\ ft$ *(round up to next foot)*

$$D/C_{otSand} := \frac{M_u + P_u\cdot\left(e_{sand} + L_{otSand}\right)}{\frac{\left(\phi_{ot}\right)\cdot\gamma_{soil}\cdot b\cdot L_{otSand}^{3}\cdot K_p}{2}} = 0.84$$

short free-head pile in cohesive soil using Modified Broms method for L < 3b (see reference file for derivation)



Deflection, load, shear and moment diagram for a short pile in cohesive soil that is unrestrained against rotation.

$c_{soil} := \text{if}\left[\left(c_{soil} = 0\cdot ksf\right), 0.1\cdot ksf, c_{soil}\right] = 1\cdot ksf$ $\quad c_{soil} = 1000\cdot psf$

$$Slope := 8\cdot\frac{c_{soil}}{3\cdot b} = 0.5\cdot\frac{kip}{ft^3} \qquad e_{clay} := \frac{M_u}{P_u} + Offset = 22.5\ ft$$

$$nforce(M,N) := \left[Slope\cdot(2\cdot M + N) + 2\cdot c_{soil}\right]\cdot N\cdot\frac{b}{2} \qquad mforce(M) := \left(2\cdot c_{soil} + M\cdot Slope\right)\cdot M\cdot\frac{b}{2}$$

$$m\_arm(M) := e_{clay} + \frac{M}{3}\cdot\frac{2\cdot\left(M\cdot Slope + c_{soil}\right) + c_{soil}}{M\cdot Slope + 2\cdot c_{soil}}$$

$$n\_arm(M,N) := e_{clay} + M + \frac{N}{3}\cdot\frac{2\cdot\left(N\cdot Slope + M\cdot Slope + c_{soil}\right) + \left(M\cdot Slope + c_{soil}\right)}{Slope\cdot(2\cdot M + N) + 2\cdot c_{soil}}$$

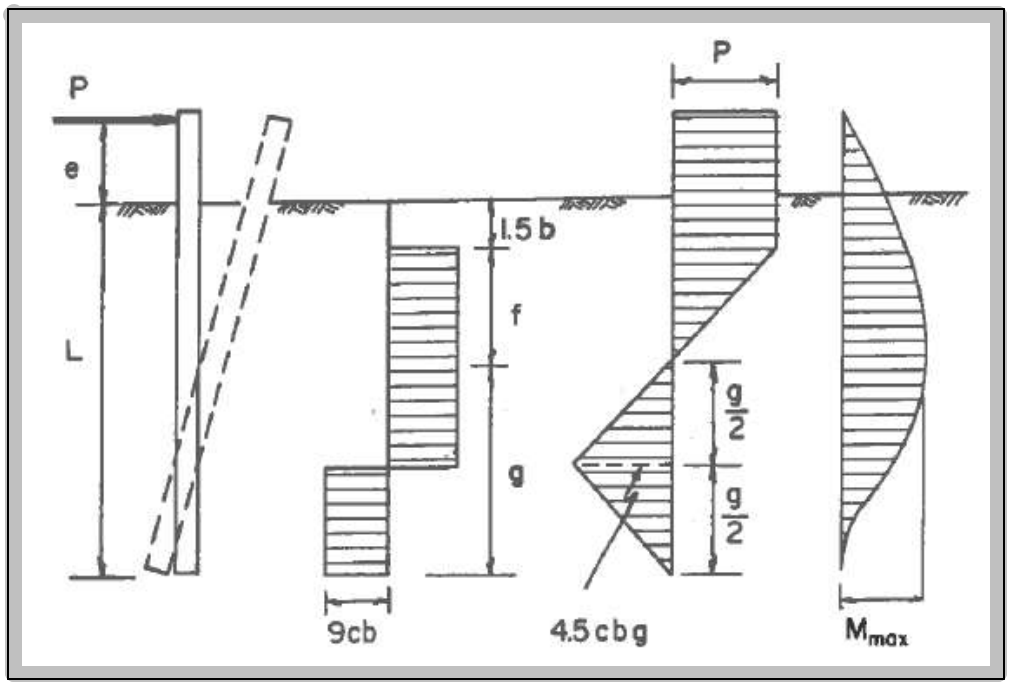
Guess value $\quad M := 40\cdot ft \qquad N := 40\cdot ft$

Given $\quad P_u + \phi_{ot}\cdot nforce(M,N) = \phi_{ot}\cdot mforce(M) \qquad mforce(M)\cdot m\_arm(M) = nforce(M,N)\cdot n\_arm(M,N)$

$$\begin{pmatrix} M \\ N \end{pmatrix} := Find(M,N) \qquad L_{ot1Clay} := M + N = 9.8\ ft$$

$L_{ot1Clay} := \text{ceil}\left(\frac{L_{ot1Clay}}{ft}\right)\cdot ft = 10\,ft$ *(round up to next foot)*

*short free-head pile in **cohesive soil** using Regular Broms method for L > 3b*



Deflection, load, shear and moment diagram for a short pile in cohesive soil that is unrestrained against rotation.

$M_{max.clay}$ *equation is derived from the integration of the upper part of the shear diagram to the point of zero shear.*

$$f := \frac{P_u}{\phi_{ot}\cdot 9\cdot c_{soil}\cdot b} = 0.3\,ft$$

$$M_{max.clay} := P_u\cdot\left(e_{clay} + 1.5\cdot b + 0.5\cdot f\right) = 236.1\cdot kip\cdot ft$$

$$g := \sqrt{\frac{M_{max.clay}}{2.25\cdot\phi_{ot}\cdot c_{soil}\cdot b}} = 5.9\,ft$$

$$L_{ot2Clay} := (1.5\cdot b + f + g) = 13.7\,ft$$

$L_{ot2Clay} := \text{ceil}\left(\frac{L_{ot2Clay}}{ft}\right)\cdot ft = 14\,ft$ *(round up to next foot)*

$L_{otClay} := \text{if}\left[\left(L_{ot1Clay} < 3\cdot b\right), L_{ot1Clay}, L_{ot2Clay}\right] = 3$ *(If L_{ot} < 3b, use Modified Broms method)*

$L_{reqdOT} := \text{if}\left[(SoilType = 0), L_{otSand}, L_{otClay}\right]$

$L_{reqdOT} = 11\,ft$ *required shaft embedment depth to resist overturning*

Shaft Depth Required to Resist Torsion

$\phi_{tor} := 1.0$ ***SM V3 13.6***

*short free-head pile in **cohesionless soil***

NOTE: is based upon concrete soil interaction. This torsion methodology is not to be used with permanent casing.

$N_{blows} = 15$

$\omega_{fdot} := if\left[\left(N_{blows} < 5\right), 0, if\left[\left(N_{blows} \geq 15\right), 1.5, 1.5 \cdot \frac{N_{blows}}{15}\right]\right] = 1.5$

load transfer ratio, If 5<N<15, ω_{fdot} is reduced by a factor of $\frac{N_{blows}}{15}$ ***SM Vol-3 13.6***

Guess value $L_{torSand} := L_{reqdOT} = 11\ ft$

Given $T_u = \phi_{tor} \cdot \left[\left(\pi \cdot b \cdot L_{torSand}\right) \cdot \left(\gamma_{soil} \cdot \frac{L_{torSand}}{2}\right) \cdot \left(\omega_{fdot}\right) \cdot \frac{b}{2}\right]$

$L_{torSand} := Find\left(L_{torSand}\right) = 12.6\ ft$

$L_{torSand} := ceil\left(\frac{L_{torSand}}{ft}\right) \cdot ft = 13\ ft$ *(round up to next foot)*

*short free-head pile in **cohesive soil***

$CohesionFactor := 0.55$

$f_{se} := CohesionFactor \cdot c_{soil} = 0.6 \cdot ksf$

Guess value $L_{torClay} := L_{reqdOT}$

Given $T_u = \phi_{tor} \cdot \left[f_{se} \cdot (\pi \cdot b) \cdot \left(L_{torClay} - 1.5 \cdot ft\right) \cdot \frac{b}{2}\right]$

$L_{torClay} := Find\left(L_{torClay}\right) = 11.9\ ft$

$L_{torClay} := ceil\left(\frac{L_{torClay}}{ft}\right) \cdot ft = 12\ ft$ *(round up to next foot)*

$SoilType = 0$ *0 - Sand 1 - Clay*

$L_{reqdTor} := if\left[(SoilType = 0), L_{torSand}, L_{torClay}\right] L_{reqdTor} = 13\ ft$ *required shaft embedment depth to resist torsion*

$L_{embedded} := if\left[\left(L_{reqdTor} > L_{reqdOT}\right), L_{reqdTor}, L_{reqdOT}\right] = 13 \cdot ft$

$L_{shaft} := L_{embedded} + Offset = 13\ ft$

$L_{shaft} := 14ft$ *shaft length to match Standard Index 649-030*

Maximum Moment in Shaft

short free-head pile in cohesionless soil using Broms method

$$f_{sand} := \sqrt{\frac{2 \cdot P_u}{3 \cdot \gamma_{soil} \cdot b \cdot K_p \cdot \phi_{ot}}} = 3.3\,ft$$

$$M_{maxSand} := P_u \cdot \left(e_{sand} + f_{sand}\right) - \frac{P_u \cdot f_{sand}}{3} + M_u = 193.7 \cdot kip \cdot ft$$

*short free-head pile in **cohesive soil** using Modified Broms method for L < 3b (see reference file for derivation)*

Guess value $f_{mod} := 4.0 \cdot ft$

Given $P_u = \frac{f_{mod} \cdot b}{2} \cdot \left(2\phi_{ot} \cdot c_{soil} + \phi_{ot} \cdot f_{mod} \cdot Slope\right)$

$f_{mod} := Find\left(f_{mod}\right) = 1.8\,ft$

$$M_{modBroms} := P_u \cdot \left(e_{clay} + f_{mod}\right) - \frac{\phi_{ot} \cdot c_{soil} \cdot b \cdot f_{mod}^{2}}{2} - \frac{\phi_{ot} \cdot b \cdot f_{mod}^{3} \cdot Slope}{6} = 184 \cdot kip \cdot ft$$

*short free-head pile in **cohesive soil** using Regular Broms method for L > 3b*

$$M_{Broms} := P_u \cdot \left(e_{clay} + 1.5 \cdot b + 0.5 \cdot f\right) = 236.1 \cdot kip \cdot ft$$

$M_{maxClay} := if\left[\left(L_{ot1Clay} < 3 \cdot b\right), M_{modBroms}, M_{Broms}\right] = 184 \cdot kip \cdot ft$ *(If L_{ot} < 3b, use Modified Broms method)*

$M_{max} := if\left[(SoilType = 0), M_{maxSand}, M_{maxClay}\right] = 193.7 \cdot kip \cdot ft$

Minimum Reinforcing and Spacing

$F_{y.rebar} := 60 \cdot ksi$ *reinforcing yield strength*

$f_c := 4.0 \cdot ksi$ *concrete strength* ***Spec 346-3***

$Cover := 6 \cdot in$ *cover* ***SDG Table 1.4.2-1***

$A_{long.bar} := 1.56 \cdot in^2$ *longitudinal bar area*

$d_{long.bar} := 1.41 \cdot in$ *longitudinal bar diameter*

$A_{v.bar} := if\left(StirrupBarSize = 5, 0.31 \cdot in^2, 0.44 \cdot in^2\right) = 0.31 \cdot in^2$ *stirrup area* ***SM V3 13.6.2***

$d_{v.bar} := if\left(StirrupBarSize = 5, 0.625 \cdot in, 0.75 \cdot in\right) = 0.625 \cdot in$ *stirrup diameter*

SM V3 13.6.2

$$s_v := \begin{pmatrix} 4\cdot in \\ s_{v_1} \\ s_{v_2} \\ 12\cdot in \end{pmatrix} = \begin{pmatrix} 4 \\ 8 \\ 0 \\ 12 \end{pmatrix} \cdot in \quad \begin{pmatrix} \text{"Stirrups A"} \\ \text{"Stirrups B"} \\ \text{"Stirrups C"} \\ \text{"Stirrups D"} \end{pmatrix}$$

stirrup spacing defined in Index 649-031, depth = 0 ft-2 ft

stirrup spacing, depth = 2 ft-depth.stir

stirrup spacing, depth > depth.stir

stirrup spacing, depth > depth.stirA

$$\#Spaces_{vbar} := \begin{pmatrix} 6 \\ NumSpacesStirrupsB \\ NumSpacesStirrupsC \\ 1 \end{pmatrix} = \begin{pmatrix} 6 \\ 10 \\ 0 \\ 1 \end{pmatrix} \quad \begin{pmatrix} \text{"Stirrups A"} \\ \text{"Stirrups B"} \\ \text{"Stirrups C"} \\ \text{"Stirrups D"} \end{pmatrix}$$

$$s_v = \begin{pmatrix} 4 \\ 8 \\ 0 \\ 12 \end{pmatrix} \cdot in \qquad \#Spaces_{vbar} = \begin{pmatrix} 6 \\ 10 \\ 0 \\ 1 \end{pmatrix}$$

$$\#Spaces_{vbar_2} := if\left[\#Spaces_{vbar_2} = 0, floor\left[\frac{L_{shaft} - 5\cdot in - \sum_{i=0}^{1}\left(s_{v_i}\cdot \#Spaces_{vbar_i}\right)}{s_{v_3}}\right], \#Spaces_{vbar_2}\right] =$$

$$\#Spaces_{vbar_3} := floor\left[\frac{L_{shaft} - 5\cdot in - \sum_{i=0}^{2}\left(s_{v_i}\cdot \#Spaces_{vbar_i}\right)}{s_{v_3}}\right] = 4$$

$$L_{shaft} = 14\,ft \qquad \sum_{i=0}^{3}\left(s_{v_i}\cdot \#Spaces_{vbar_i}\right) = 12.7\,ft$$

$b = 5\,ft$ *shaft diameter*

$$\#LongBars_{reqd_1} := \frac{0.01}{A_{long.bar}}\cdot\frac{\pi\cdot b^2}{4} = 18.1$$

LRFD 5.7.4.2

$$\#LongBars_{reqd_2} := \frac{0.135}{A_{long.bar}\cdot F_{y.rebar}}\cdot\left(\frac{\pi\cdot b^2}{4}\cdot f_c\right) = 16.3$$

$$\#LongBars_{prov} := ceil\left(max\left(\#LongBars_{reqd_1}, \#LongBars_{reqd_2}\right)\right) = 19$$

$\#LongBars_{prov} := 18$

See Standard Index 649-030 and Structures Manual Vol 3 13.6.2 with C13.6.2. C13.6.2 states using 1% steel is conservative for flexural design in most cases, but 13.6.2 does require a minimum of 1%. The check is barely over 18 at 18.1, so this is acceptable.

$$Dia_{bar.circle} := b - 2\cdot Cover - 2\cdot d_{v.bar} - d_{long.bar} = 45.3\cdot in$$

$Spacing_{vert.reinf} := Dia_{bar.circle} \cdot \frac{\pi}{\#LongBars_{prov}} = 7.9 \cdot in$ $Clearance_{vert.reinf} := Spacing_{vert.reinf} - d_{long.bar} = 6.5 \cdot in$

$CheckReinfClearSpacing := if\left(Clearance_{vert.reinf} \geq 6in, "OK", "No Good"\right)$ CheckReinfClearSpacing = "OK"

SDG 3.6.10

Check Shear and Torsion

$\phi_v := 0.90$ *Shear Resistance Factor* ***LRFD 5.5.4.2.1***

$V_u := \sqrt{\left(V_{x.polebase_{LoadCaseOT}}\right)^2 + \left(V_{z.polebase_{LoadCaseOT}}\right)^2} = 7.8 \cdot kip$

$T_u = 224.9 \cdot kip \cdot ft$

Effective shear depth

$D_r := b - 2 \cdot \left(Cover + d_{v.bar} + \frac{d_{long.bar}}{2}\right) = 3.8\,ft$ $d_e := \frac{b}{2} + \frac{D_r}{\pi} = 3.7\,ft$ ***LRFD C5.8.2.9-2***

$d_v := \max\left(0.9 \cdot d_e, 0.72 \cdot b\right) = 3.6\,ft$

Check Shear Strength

$V_c := 0.0316 \cdot (2.0) \cdot \sqrt{f_c \cdot ksi} \cdot \left(d_v\right) \cdot b = 327.6 \cdot kip$ ***LRFD Eqn 5.8.3.3-3*** ***LRFD 5.8.3.4.1*** ***ACI 11.3.3***

$V_s := \frac{A_{v.bar} \cdot F_{y.rebar} \cdot d_v}{\max\left(s_{v_0}, s_{v_1}, s_{v_2}\right)} = 100.4 \cdot kip$ ***LRFD Eqn 5.8.3.3-4***

$D/C_{shear} := \max\left(\begin{pmatrix} \frac{V_u - \phi_v \cdot V_c}{\phi_v \cdot V_s} \\ 0 \end{pmatrix}\right) = 0$

Check Torsion Strength

$A_{cp} := \pi \cdot \left(\frac{b}{2}\right)^2 = 2827.4 \cdot in^2$ $p_{cp} := 2 \cdot \pi \cdot \left(\frac{b}{2}\right) = 188.5 \cdot in$ *Area and perimeter of concrete cross-section*

$d_{oh} := b - 2 \cdot \left(Cover + \frac{d_{v.bar}}{2}\right) = 47.4 \cdot in$ $p_h := \pi \cdot d_{oh} = 148.8 \cdot in$ *Diameter, perimeter and area enclosed by the centerline of the outermost closed transverse torsion reinforcement*

$A_{oh} := \pi \left(\frac{d_{oh}}{2}\right)^2 = 1.8 \times 10^3 \cdot in^2$ $A_o := 0.85 \cdot A_{oh} = 1.5 \times 10^3 \cdot in^2$

$$T_{n.torsion_0} := \frac{2 \cdot A_o \cdot A_{v.bar} \cdot F_{y.rebar}}{s_{v_0}} = 1161.2 \cdot kip \cdot ft$$ ***LRFD Eqn 5.8.3.6.2-1***

$$T_{n.torsion_1} := \frac{2 \cdot A_o \cdot A_{v.bar} \cdot F_{y.rebar}}{s_{v_1}} = 580.6 \cdot kip \cdot ft$$ ***LRFD 5.8.3.4.1***

$$T_{n.torsion_2} := T_{n.torsion_1} \text{ on error } \frac{2 \cdot A_o \cdot A_{v.bar} \cdot F_{y.rebar}}{s_{v_2}} = 580.6 \cdot kip \cdot ft$$

$\phi_v = 0.9$ $T_u = 224.9 \cdot kip \cdot ft$ $L_{reqdTor} = 13\ ft$

$$depth_{stir} := \left| \begin{array}{l} \text{for } i \in 0..1 \\ \quad depth_i \leftarrow \sum_{j=0}^{i} \left(s_{v_j} \cdot \#Spaces_{vbar_j} \right) \\ depth \end{array} \right. \qquad depth_{stir} = \begin{pmatrix} 2 \\ 8.7 \end{pmatrix} ft$$

$$T_{u.section_0} := T_u$$

$$T_{u.sand_1} := T_u - if\left[\left(depth_{stir_0} > Offset \right), \left[\pi \cdot b \cdot \left(depth_{stir_0} - Offset \right) \cdot \gamma_{soil} \cdot \left(\frac{depth_{stir_0} - Offset}{2} \right) \cdot \left(\omega_{fdot} \right) \cdot \frac{b}{2} \right], 0 \cdot kip \cdot ft \right] = 219.3 \cdot kip \cdot ft$$

$$T_{u.sand_2} := T_u - if\left[\left(depth_{stir_1} > Offset \right), \left[\pi \cdot b \cdot \left(depth_{stir_1} - Offset \right) \cdot \gamma_{soil} \cdot \left(\frac{depth_{stir_1} - Offset}{2} \right) \cdot \left(\omega_{fdot} \right) \cdot \frac{b}{2} \right], 0 \cdot kip \cdot ft \right] = 118.7 \cdot kip \cdot ft$$

$$T_{u.clay_1} := T_u - if\left[\left(depth_{stir_0} - 1.5ft > Offset \right), \left[f_{se} \cdot (\pi \cdot b) \cdot \left(depth_{stir_0} - Offset - 1.5 \cdot ft \right) \cdot \frac{b}{2} \right], 0 \cdot kip \cdot ft \right] = 214.1 \cdot kip \cdot ft$$

$$T_{u.clay_2} := T_u - if\left[\left(depth_{stir_1} - 1.5ft > Offset \right), \left[f_{se} \cdot (\pi \cdot b) \cdot \left(depth_{stir_1} - Offset - 1.5 \cdot ft \right) \cdot \frac{b}{2} \right], 0 \cdot kip \cdot ft \right] = 70.1 \cdot kip \cdot ft$$

$$T_{u.section_1} := if\left[(SoilType = 0), T_{u.sand_1}, T_{u.clay_1} \right] = 219.3 \cdot kip \cdot ft$$

$$T_{u.section_2} := if\left[(SoilType = 0), T_{u.sand_2}, T_{u.clay_2} \right] = 118.7 \cdot kip \cdot ft$$

$$T_{u.section} = \begin{pmatrix} 224.9 \\ 219.3 \\ 118.7 \end{pmatrix} \cdot kip \cdot ft \qquad T_{n.torsion} = \begin{pmatrix} 1161.2 \\ 580.6 \\ 580.6 \end{pmatrix} \cdot kip \cdot ft$$

$$D/C_{torsion} := \frac{T_{u.section}}{\phi_{tor} \cdot T_{n.torsion}} = \begin{pmatrix} 0.19 \\ 0.38 \\ 0.2 \end{pmatrix} \qquad D/C_{max.torsion} := \max\left(D/C_{torsion} \right) = 0.38$$

$$T_{cr} := 0.125\sqrt{\frac{f_c}{ksi}}\cdot\left(\frac{A_{cp}^{\ 2}}{p_{cp}\cdot in^3}\right)\cdot kip\cdot in = 883.6\cdot kip\cdot ft$$ ***LRFD Eqn 5.8.2.1-4***

$T_u = 224.9\cdot kip\cdot ft$ $\quad 0.25\cdot\phi_{tor}\cdot T_{cr} = 220.9\cdot kip\cdot ft$

$D/C_{torsion.max} := if\left[\left(T_u \le 0.25\cdot\phi_{tor}\cdot T_{cr}\right), 0, \max\left(D/C_{torsion}\right)\right] = 0.378$ ***LRFD Eqn 5.8.2.1-3***

$D/C_{shear} = 0.000$ $\quad D/C_{torsion.max} = 0.378$

$CheckD/C_{shear.and.torsion} := if\left[\left(D/C_{shear} + D/C_{torsion.max} \le 1\right), "OK", "No Good"\right]$ $CheckD/C_{shear.and.torsion} = "OK"$

Check Maximum Spacing Transverse Reinforcement

$$v_u := \frac{V_u}{\phi_v\cdot b\cdot d_v} = 0.0034\cdot ksi$$ $0.125\cdot f_c = 0.5\cdot ksi$ ***LRFD Eqn 5.8.2.9-1***

$s_{max1} := if\left[\left(0.8\cdot d_v < 24\cdot in\right), 0.8d_v, 24\cdot in\right] = 24\cdot in$ ***LRFD Eqn 5.8.2.7-1***

$s_{max2} := if\left[\left(0.4\cdot d_v < 12\cdot in\right), 0.4d_v, 12\cdot in\right] = 12\cdot in$ ***LRFD Eqn 5.8.2.7-2***

$s_{max} := if\left[\left(v_u < 0.125\cdot f_c\right), s_{max1}, s_{max2}\right] = 24\cdot in$

$\max\left(s_v\right) = 12\cdot in$

$CheckMaxSpacingTransvReinf := if\left[\left(\max\left(s_v\right) \le s_{max}\right), "OK", "No Good"\right]$ $CheckMaxSpacingTransvReinf = "OK"$

Check Longitudinal Reinforcement for Combined Shear and Torsion ***LRFD Eqn 5.8.3.6.3-1*** ***LRFD 5.8.3.4.1***

$M_u = 176.3\cdot kip\cdot ft$

$$V_{temp} := if\left(\frac{V_u}{\phi_v} - 0.5\cdot V_s > 0\cdot kip, \frac{V_u}{\phi_v} - 0.5\cdot V_s, 0\cdot kip\right) = 0\cdot kip$$

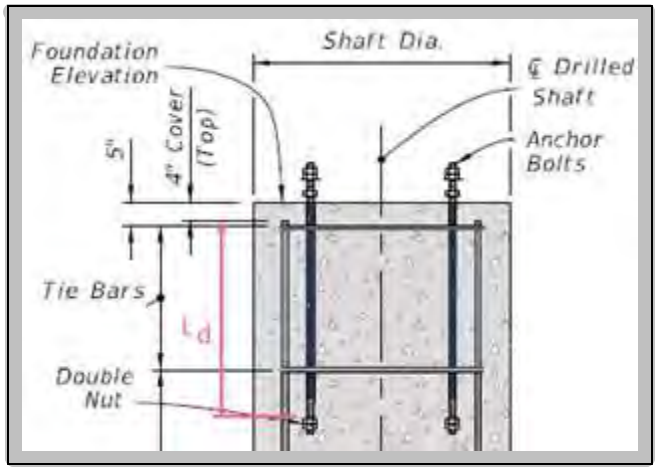
$$LongReinf_{shr.tor} := \frac{\frac{M_u}{\phi_v\cdot d_v} + \sqrt{\left(V_{temp}\right)^2 + \left(\frac{0.45\cdot p_h\cdot T_u}{2\cdot A_o\cdot\phi_v}\right)^2}}{F_{y.rebar}} = 2.02\cdot in^2$$

$\#LongBars_{prov}\cdot A_{long.bar} = 28.1\cdot in^2$

$CheckLongReinf_{shr.tor} := if\left[\left(\#LongBars_{prov}\cdot A_{long.bar} \ge LongReinf_{shr.tor}\right), "OK", "No Good"\right]$ $CheckLongReinf_{shr.tor} = "OK"$

Anchor Bolt Embedment

$T_{u.anchor} = 35.3 \cdot kip$ *tension force in anchor*



$Dia_{bar.circle} = 45.3 \cdot in$

$Dia_{anchor.circle} := Diameter_{boltcircle.pole} = 30 \cdot in$

center-to-center distance

$$Dist_{bar.to.bolt} := \frac{Dia_{bar.circle} - Dia_{anchor.circle}}{2} = 7.7 \cdot in$$

$$Num_{bars.per.anchor} := \min\left(\frac{\#LongBars_{prov}}{\#AnchorBolts}, 3\right) = 2.3$$ *Use a maximum of three rebar per anchor bolt (conservative)*

$\phi := 0.9$

$$Num_{bars.reqd.per.anchor} := \frac{T_{u.anchor}}{A_{long.bar} \cdot (\phi \cdot F_{y.rebar})} \cdot \frac{Dia_{anchor.circle}}{Dia_{bar.circle}} = 0.28$$

$$AreaRatio := \min\left(\frac{Num_{bars.reqd.per.anchor}}{Num_{bars.per.anchor}}, 1\right) = 0.12$$

2015 AASHTO Development Length of Deformed Bars in Tension ***5.11.2.1***

$Cover = 6 \cdot in$

$c_b =$ *the smaller of the distance from center of bar or wire being developed to the nearest concrete surface and one half the center-to-center spacing of the bars or wires being developed*

$$c_b := \min\left(\left(\begin{array}{c} Cover + d_{v.bar} + \frac{d_{long.bar}}{2} \\ \frac{Spacing_{vert.reinf}}{2} \end{array}\right)\right) = 4 \cdot in$$

$k_{tr} := 0 \cdot in$ *assume no transverse bars:*

$$\lambda_{rc} := \min\left[\left[\max\left(\left(\begin{array}{c} 1.0 \\ 0.4 \\ \frac{d_{long.bar}}{c_b + k_{tr}} \end{array}\right)\right)\right]\right] = 0.4$$ ***LRFD Eqn 5.11.2.1.3-1***

$$L_{d.bar} := \max\left(\left(\begin{array}{c} 12 \cdot in \\ \lambda_{rc} \cdot 2.4 \cdot d_{long.bar} \cdot \frac{F_{y.rebar}}{\sqrt{f_c \cdot ksi}} \end{array}\right)\right) = 40.6 \cdot in$$ *tension development length* ***LRFD Eqn 5.11.2.1.1-2***

$$SpacingFactor := \max\left[\begin{pmatrix} 0.5 \\ Num_{bars.per.anchor}\cdot 0.5 - 0.5 \end{pmatrix}\right] = 0.6$$

$$L_{embedment.added} := \sqrt{\left(Clearance_{vert.reinf}\cdot SpacingFactor\right)^2 + Dist_{bar.to.bolt}^{\ 2}} = 8.7\cdot in$$

$$L_{embedment.anchor} := \max\left[\begin{bmatrix} L_{d.bar}\cdot(AreaRatio) + 12\cdot in + L_{embedment.added} \\ 20\cdot d_{anchorbolt} \end{bmatrix}\right] = 40\cdot in$$

Note: $20d_{anchor.bolt}$ *minimum embedment is in LTS,3rd Ed. 1994, Section 3, 1.3.4 and still a good rule of thumb.*

$$L_{anchor.bolt.exposed} := \max\left(\begin{pmatrix} 8\cdot in \\ 2\cdot d_{anchorbolt} + t_{baseplate.pole} + 2\cdot d_{anchorbolt} + 2\cdot in \end{pmatrix}\right) = 12.5\cdot in$$

$$L_{anchor.bolt.botnuts} := 2\cdot d_{anchorbolt} + 1\cdot in = 5\cdot in$$

$$L_{anchor.bolt} := Ceil\left(L_{embedment.anchor} + L_{anchor.bolt.exposed} + L_{anchor.bolt.botnuts}, in\right) = 58\cdot in$$

$L_{anchor.bolt} = 58\cdot in$

Anchor Bolt Shear Break-Out Strength

References:
ACI 318-05 Appendix D.
FDOT/University of Florida Report BD545 RPWO #54,
Anchor Embedment Requirements for Signal/Sign Structures, July 2007.

$\#AnchorBolts = 8$ *number of anchor bolts*

$d_{anchorbolt} = 2\cdot in$ *anchor bolt diameter*

$Diameter_{boltcircle.pole} = 30\cdot in$ *anchor bolt circle diameter*

$L_{embedment.anchor} = 40\cdot in$ *anchor bolt embedment*

$b = 60\cdot in$ *shaft diameter*

$$r_b := \frac{Dia_{anchor.circle}}{2} = 15\cdot in$$

$$r := \frac{b}{2} = 30\cdot in$$

$$c_{a1} := \frac{\sqrt{r_b^{\ 2} + 3.25\cdot\left(r^2 - r_b^{\ 2}\right)} - r_b}{3.25} = 10.5\cdot in$$

adjusted cover

UF Report Eqn 3-2

$$L_e := \min\left(\begin{pmatrix} 8\cdot d_{anchorbolt} \\ L_{embedment.anchor} \end{pmatrix}\right) = 16\cdot in$$

load bearing length of anchor for shear

ACI D.6.2.2

$$V_b := 13 \cdot \left(\frac{L_e}{d_{anchorbolt}} \right)^{0.2} \cdot \sqrt{\frac{d_{anchorbolt}}{in}} \cdot \sqrt{\frac{f_c}{psi}} \left(\frac{c_{a1}}{in} \right)^{1.5} \cdot lbf = 60.1 \cdot kip$$

shear break-out strength (single anchor)

UF Report Eqn 2-11

$$A_{bolt.sector} := \frac{(360 \cdot deg)}{\#AnchorBolts} = 45 \cdot deg$$

UF Report Fig 3-7

$$\alpha_{cone} := 2 \, asin\left[\frac{(1.5 \cdot c_{a1})}{r} \right] = 63.5 \cdot deg$$

$$OverlapTest := if\left(A_{bolt.sector} \le \alpha_{cone}, \text{"Overlap of Failure Cones"}, \text{"No Overlap of Failure Cones"}\right) = \text{"Overlap of Failure Cones"}$$

$$chord := 2 \cdot r \cdot sin\left(\frac{A_{bolt.sector}}{2} \right) = 23 \cdot in$$

UF Report Fig 3-7

$$A_{Vco} := 4.5 \cdot c_{a1}^{\,2} = 497.7 \cdot in^2$$

projected concrete failure area (single anchor)

ACI Eqn D-23

$$A_{Vc} := chord \cdot 1.5 \cdot c_{a1} = 362.2 \cdot in^2$$

projected concrete failure area (group)

ACI D.6.2.1

$$A_{Vc} := if\left[\left(A_{Vc} > A_{Vco}\right), A_{Vco}, A_{Vc} \right] = 362.2 \cdot in^2$$

$\psi_{ecV} := 1.0$ *eccentric load modifier* ***ACI D.6.2.5***

$\psi_{edV} := 1.0$ *edge effect modifier* ***ACI D.6.2.6***

$\psi_{cV} := 1.0$ *cracked section modifier* ***ACI D.6.2.7*** *(stirrup spacing <= 4")*

$\psi_{hV} := 1.0$ *member thickness modifier* ***ACI D.6.2.8***

$\phi_{breakout} := 0.75$ *strength reduction factor* ***ACI D.4.4.c.i*** *(shear breakout, condition A)*

$V_{cbg} := \#AnchorBolts \cdot \left(\frac{A_{Vc}}{A_{Vco}}\right) \cdot \left(\psi_{ecV} \cdot \psi_{edV} \cdot \psi_{cV} \cdot \psi_{hV}\right) \cdot V_b = 350 \cdot kip$ *concrete breakout strength - shear*

ACI Eqn D-22 *Shear force ⊥ to edge*

$V_{cbg\_parallel} := 2 \cdot V_{cbg} = 699.9 \cdot kip$ ***ACI D.6.2.1.c*** *Shear force ∥ to edge*

$T_{n.breakout} := V_{cbg\_parallel} \cdot r_b = 874.9 \cdot kip \cdot ft$ *concrete breakout strength - torsion*

$\phi_{breakout} \cdot T_{n.breakout} = 656.2 \cdot kip \cdot ft$

$T_u = 224.9 \cdot kip \cdot ft$

$BreakoutTest := if\left[\left(\phi_{breakout} \cdot T_{n.breakout} \geq T_u\right), "OK" , "No Good"\right]$

BreakoutTest = "OK"

$OverlapDesign := if\left[\left(A_{bolt.sector} \leq \alpha_{cone}\right), "Based on Overlap of Failure Cones" , "Based on No Overlap of Failure Cones"\right]$

OverlapDesign = "Based on Overlap of Failure Cones"

Clearance Between Vertical Reinforcement and Anchor Bolt Nut

$Dist_{bar.to.bolt} = 7.7 \cdot in$ *center-to-center distance*

$d_{anchor.nut} := 1.85 \cdot d_{anchorbolt} = 3.7 \cdot in$

$Clearance_{bar.to.nut} := Dist_{bar.to.bolt} - \left(\frac{d_{anchor.nut} + d_{long.bar}}{2}\right) = 5.1 \cdot in$

$CheckAnchorageClearance := if\left[\left(Clearance_{bar.to.nut} \geq 2 \cdot in\right), "OK" , "No Good, increase shaft diameter"\right]$

CheckAnchorageClearance = "OK"

CSL tubes can be relocated plus/minus 2 inches from planned position (see Specifications)

$d_{csl.tube} := 2 \cdot in$

$$Clearance_{csl.to.nut} := Dist_{bar.to.bolt} + 0.5\cdot d_{long.bar} - d_{csl.tube} - 0.5\cdot d_{anchor.nut} = 4.5\cdot in$$

Draw Drilled Shaft Section with Reinforcement

$$\begin{aligned}
&fDrawStirrups(spacing, \#spaces, inix, iniy) := \\
&\quad coord_{0,0} \leftarrow inix \\
&\quad coord_{0,1} \leftarrow iniy \\
&\quad \text{for } i \in 1..\#spaces \\
&\quad\quad coord_{i,0} \leftarrow coord_{0,0} \\
&\quad\quad coord_{i,1} \leftarrow coord_{i-1,1} - spacing \\
&\quad index \leftarrow 1 \\
&\quad \text{for } i \in \#spaces + 1..2\cdot\#spaces + 1 \\
&\quad\quad coord_{i,0} \leftarrow b - inix \\
&\quad\quad coord_{i,1} \leftarrow coord_{i-index,1} \\
&\quad\quad index \leftarrow index + 2 \\
&\quad coord_{2\cdot\#spaces+2,0} \leftarrow inix \\
&\quad coord_{2\cdot\#spaces+2,1} \leftarrow iniy \\
&\quad coord
\end{aligned}$$

$$StirrupsA := fDrawStirrups\left(s_{v_0}, \#Spaces_{vbar_0}, Cover, Offset - 5\cdot in\right)$$

$$StirrupsB := fDrawStirrups\left(s_{v_1}, \#Spaces_{vbar_1}, Cover, \min\left(StirrupsA^{\langle 1\rangle}\right)\right)$$

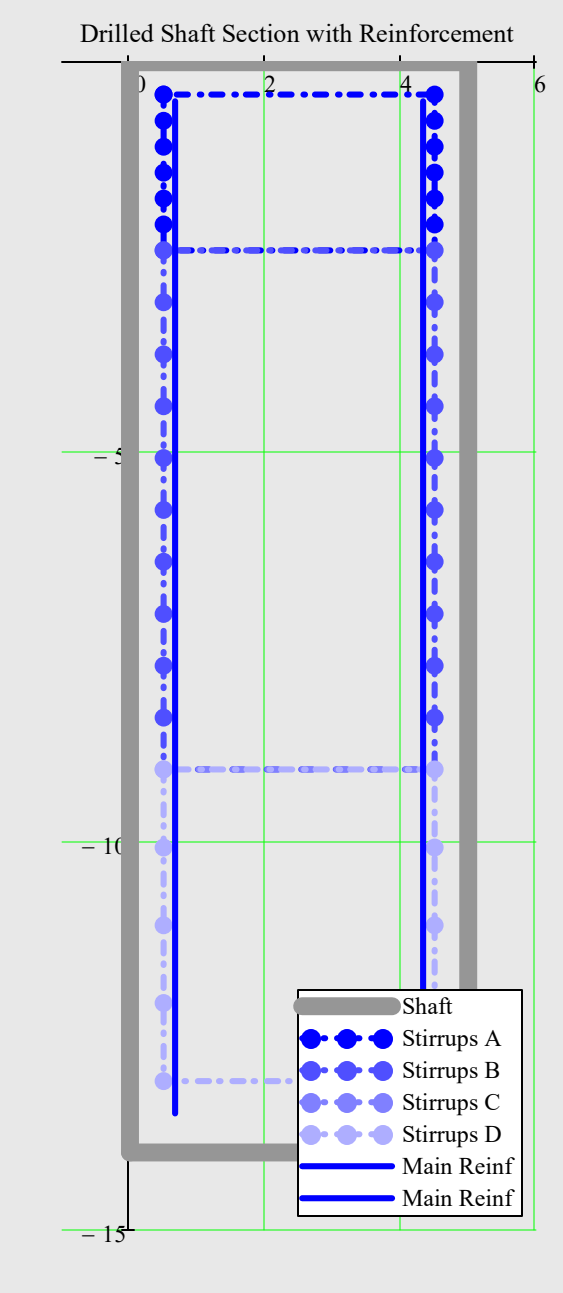
$$StirrupsC := fDrawStirrups\left(s_{v_2}, \#Spaces_{vbar_2}, Cover, \min\left(StirrupsB^{\langle 1\rangle}\right)\right)$$

$$\begin{aligned}
&StirrupsC := \\
&\quad coord \leftarrow \begin{pmatrix} Cover & \min\left(StirrupsB^{\langle 1\rangle}\right) \\ b - Cover & \min\left(StirrupsB^{\langle 1\rangle}\right) \end{pmatrix} \\
&\quad coord \leftarrow fDrawStirrups\left(s_{v_2}, \#Spaces_{vbar_2}, Cover, \min\left(StirrupsB^{\langle 1\rangle}\right)\right) \text{ if } s_{v_2}\cdot\#Spaces_{vbar_2} \neq 0 \\
&\quad coord
\end{aligned}$$

$$\begin{aligned}
&StirrupsD := \\
&\quad coord \leftarrow \begin{pmatrix} Cover & \min(StirrupsC) \\ b - Cover & \min(StirrupsC) \end{pmatrix} \\
&\quad coord \leftarrow fDrawStirrups\left(s_{v_3}, \#Spaces_{vbar_3}, Cover, \min\left(StirrupsC^{\langle 1\rangle}\right)\right) \text{ if } \min(StirrupsC) > -L_{shaft} + Cover + 6\cdot in \\
&\quad coord
\end{aligned}$$

$$Shaft := \begin{pmatrix} 0\cdot in & Offset \\ b & Offset \\ b & -L_{shaft} + Offset \\ 0\cdot in & -L_{shaft} + Offset \\ 0\cdot in & Offset \end{pmatrix} = \begin{pmatrix} 0 & 0 \\ 5 & 0 \\ 5 & -14 \\ 0 & -14 \\ 0 & 0 \end{pmatrix} ft$$

$$\text{Rebar} := \begin{bmatrix} (\text{Cover} + 2\cdot\text{in}) & -\text{Cover} + \text{Offset} & (b - \text{Cover} - 2\cdot\text{in}) \\ (\text{Cover} + 2\cdot\text{in}) & (-L_{shaft} + \text{Cover} + \text{Offset}) & (b - \text{Cover} - 2\cdot\text{in}) \end{bmatrix} = \begin{pmatrix} 8 & -6 & 52 \\ 8 & -162 & 52 \end{pmatrix}\cdot\text{in}$$



$$s_v = \begin{pmatrix} 4 \\ 8 \\ 0 \\ 12 \end{pmatrix}\cdot\text{in}$$ *stirrup spacing*

$$\#\text{Spaces}_{vbar} = \begin{pmatrix} 6 \\ 10 \\ 0 \\ 4 \end{pmatrix}$$ *number of stirrup spaces*

Analyze Foundation

Shaft Length *Stirrup spacing* *Number of stirrup spaces*

$L_{shaft} = 14\,\text{ft}$ $s_v = \begin{pmatrix} 4 \\ 8 \\ 0 \\ 12 \end{pmatrix}\cdot\text{in}$ $\#\text{Spaces}_{vbar} = \begin{pmatrix} 6 \\ 10 \\ 0 \\ 4 \end{pmatrix}$

Foundation Summary

CheckReinfClearSpacing = "OK"

CheckLongReinf$_{shr.tor}$ = "OK"

CheckMaxSpacingTransvReinf = "OK"

OverlapDesign = "Based on Overlap of Failure Cones"

OverlapTest = "Overlap of Failure Cones"

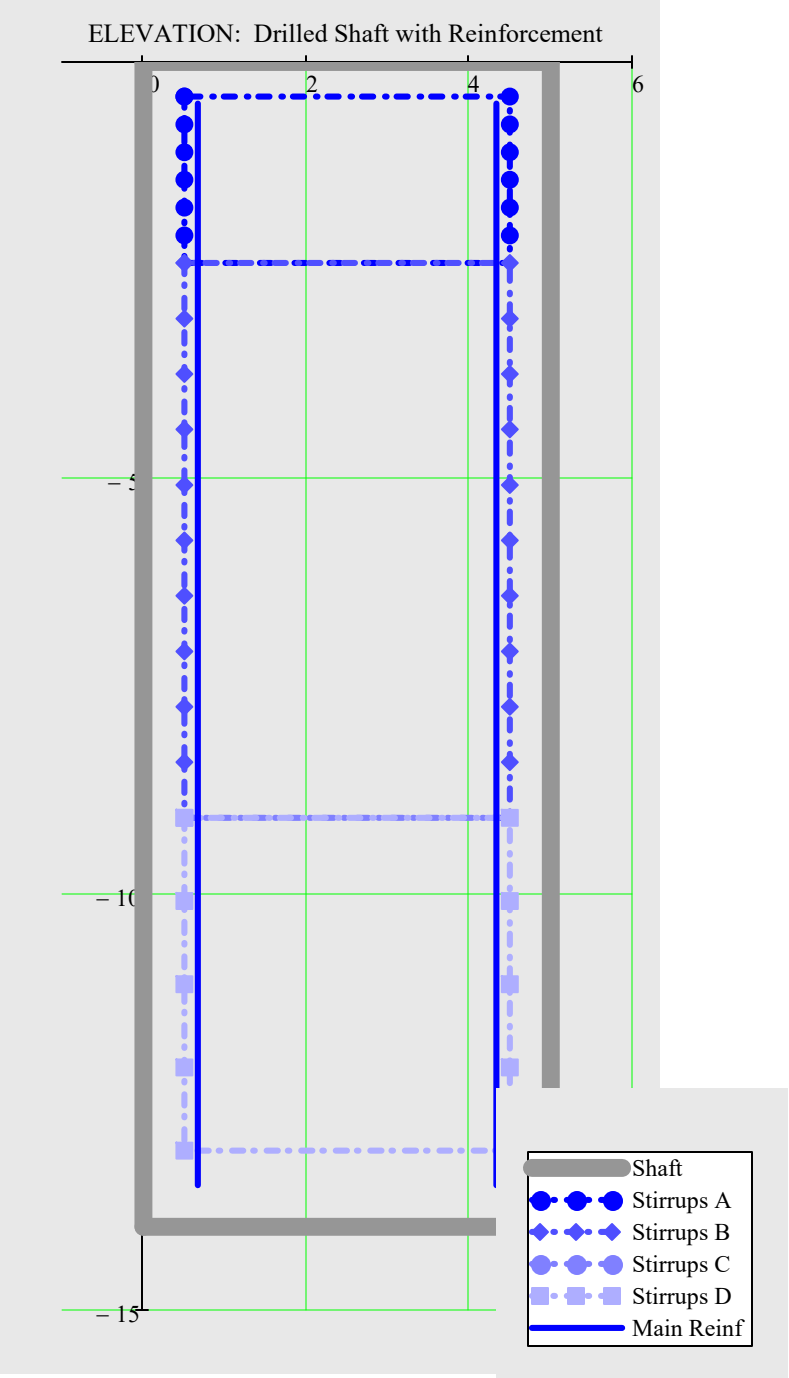
BreakoutTest = "OK"

Stirrups $s_{v_0} = 4 \cdot in$ @ $\#Spaces_{vbar_0} = 6$: $D/C_{torsion_0} = 0.2$

Stirrups 'RC' ($\cdot$) @ 'RD' ($\#Spaces_{vbar_1} = 10$): $D/C_{torsion_1} = 0.4$

Stirrups 'RE' ($s_{v_2} = 0 \cdot in$) @ 'RF' ($\#Spaces_{vbar_2} = 0$): $D/C_{torsion_2} = 0.2$

Stirrups $s_{v_3} = 12 \cdot in$ @ $\#Spaces_{vbar_3} = 4$



Offset = 0 ft

$d_{long.bar} = 1.41 \cdot in$

$Dia_{bar.circle} = 45.3 \cdot in$

'DA'= $L_{shaft} = 14 \cdot ft$

'DB'= $Diameter_{shaft} = 5 \cdot ft$

'BF'= $L_{embedment.anchor} = 40 \cdot in$

$L_{anchor.bolt} = 58 \cdot in$

'RA'= $\text{round}\left(\frac{d_{long.bar}}{0.125in}\right) = 11$

'RB'= $\#LongBars_{prov} = 18$

$\#Spaces_{vbar_0} = 6$

$s_{v_0} = 4 \cdot in$

'RC'= $\#Spaces_{vbar_1} = 10$

'RD'= $s_{v_1} = 8 \cdot in$

'RE'= $\#Spaces_{vbar_2} = 0$

'RF'= $s_{v_2} = 0 \cdot in$

$\#Spaces_{vbar_3} = 4$

$s_{v_3} = 12 \cdot in$

IX. Fatigue Analysis

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat"

$FatigueCategory_{galloping} := 2$ $FatigueCategory_{natural.wind} := 2$ ***SM V3 11.6***

Analyze Structure for Fatigue

Fatigue Summary

K1 values within 2% of LTS thresholds of 3.0 and 4.0 may use next higher CAFT values

Arm and Pole Welds

$Check_{galloping.arm1} = "OK"$ $f_{galloping.arm1} = 6.1 \cdot ksi$ $CAFT_{fullpengroove.weld.arm1} = 7 \cdot ksi$

$Check_{galloping.arm2} = "NA"$ $f_{galloping.arm2} = 0.0 \cdot ksi$ $CAFT_{fullpengroove.weld.arm2} = "NA" \cdot ksi$

$Check_{galloping.pole} = "OK"$ $f_{galloping.pole} = 2.8 \cdot ksi$ $CAFT_{fullpengroove.weld.pole} = 4.5 \cdot ksi$

$Check_{nwg.arm1} = "OK"$ $f_{nwg.arm1} = 3.6 \cdot ksi$ $CAFT_{fullpengroove.weld.arm1} = 7 \cdot ksi$

$Check_{nwg.arm2} = "NA"$ $f_{nwg.arm2} = 0.0 \cdot ksi$ $CAFT_{fullpengroove.weld.arm2} = "NA" \cdot ksi$

$Check_{nwg.pole} = "OK"$ $f_{nwg.pole} = 1.6 \cdot ksi$ $CAFT_{fullpengroove.weld.pole} = 4.5 \cdot ksi$

$$CheckK1Values = \begin{pmatrix} "K1 \text{ is outside of 2\% of K1 thresholds}" \\ "K1 \text{ is outside of 2\% of K1 thresholds}" \\ "K1 \text{ is outside of 2\% of K1 thresholds}" \end{pmatrix} \quad \begin{pmatrix} K_{I.arm1} \\ K_{I.arm2} \\ K_{I.pole} \end{pmatrix} = \begin{pmatrix} 3.70 & "Arm\ 1\ Base\ Weld" \\ 100.00 & "Arm\ 2\ Base\ Weld" \\ 6.68 & "Upright\ Base\ Weld" \end{pmatrix}$$

A325 Connection Bolts

$Check_{g.conn.bolt} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$ $f_{t.g.bolt} = \begin{pmatrix} 5.7 \\ 0.0 \end{pmatrix} \cdot ksi$ $CAFT_{conn.bolt} = 16 \cdot ksi$

$Check_{nwg.conn.bolt} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$ $f_{t.nwg.bolt} = \begin{pmatrix} 3.4 \\ 0.0 \end{pmatrix} \cdot ksi$

Anchor Bolts

$Check_{g.anchor} = "OK"$ $f_{t.g.anchor} = 2.1 \cdot ksi$ $CAFT_{anchor.bolts} = 7 \cdot ksi$

$Check_{nwg.anchor} = "OK"$ $f_{t.nwg.anchor} = 1.2 \cdot ksi$

Save Data File (optional)

☑ Use current input file

File Name MA 1 Saddle Creek at Tenoroc HS.dat

Note: Select an output folder by using the "Change Folder" option above.

Save Data

Arm Designation Example

A70/D-A30/D/H-P5/D/L-DS/16/5

A70/D -	*Arm 70 feet long, Double Arm*
A30/D/H -	*Arm 30 feet long, Double Arm, Heavy Duty*
P5/D/L -	*Pole 5 , Double Arm, with Luminaire*
DS/16/5 -	*Drilled Shaft 16 ft deep, 5 foot diameter*

X. Mast Arm Design and Analysis Summary

InputDataFile = "MA 1 Saddle Creek at Tenoroc HS.dat"

If comparing results to Standard Index 649-030, some values in the index have been increased to reduce the number of variations.

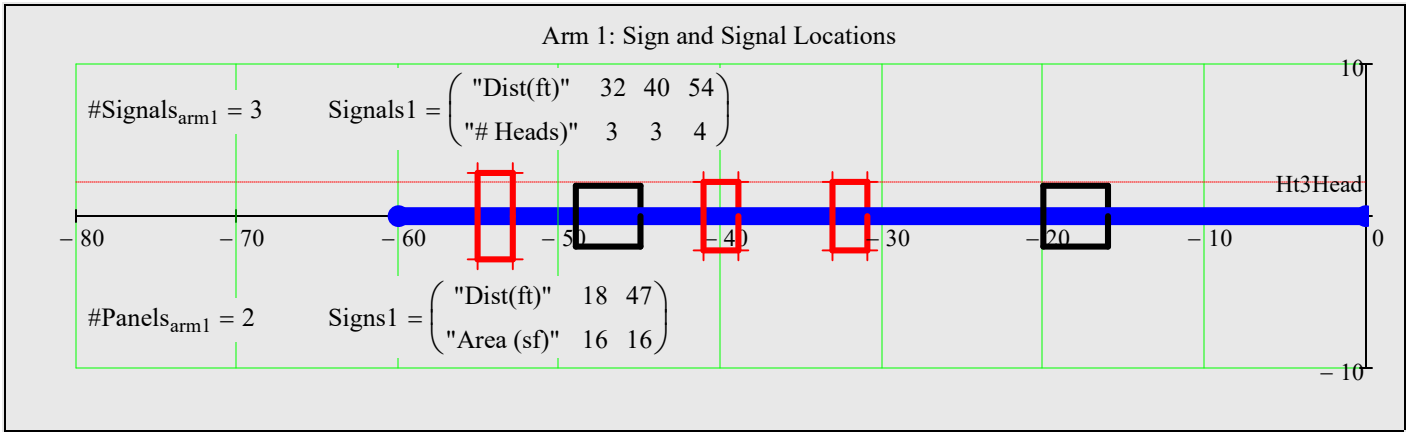
Subject = "Saddle Creek_Tenoroc HS Pole 1" **DesignedBy** = "TLC" **PoleLocation** = "07+86.86 / 25.40' LT"

ProjectNo = "No FPID" **CheckedBy** = "MSL" **Date** = "07 / 2023" ExistingMastArm = "No"

For FDOT Mast Arm Support Structures, $\max(CFI) \le 0.95$ ***(See Structures Manual Volume3)***

1st Mast Arm

$V_{extreme} = 150 \cdot mph$ ExistingMastArm = "No" BackPlate = "Rigid, 6 inches wide"



$\max(CFI_{arm1}) = 0.77$ CheckMaxCFI_arm1 = "OK" $L_{total.arm1} = 60\,ft$ $L_{splice.provided.arm1} = 2.4 \cdot ft$ $\max(\Delta_{arm1}) = 12.9 \cdot in$

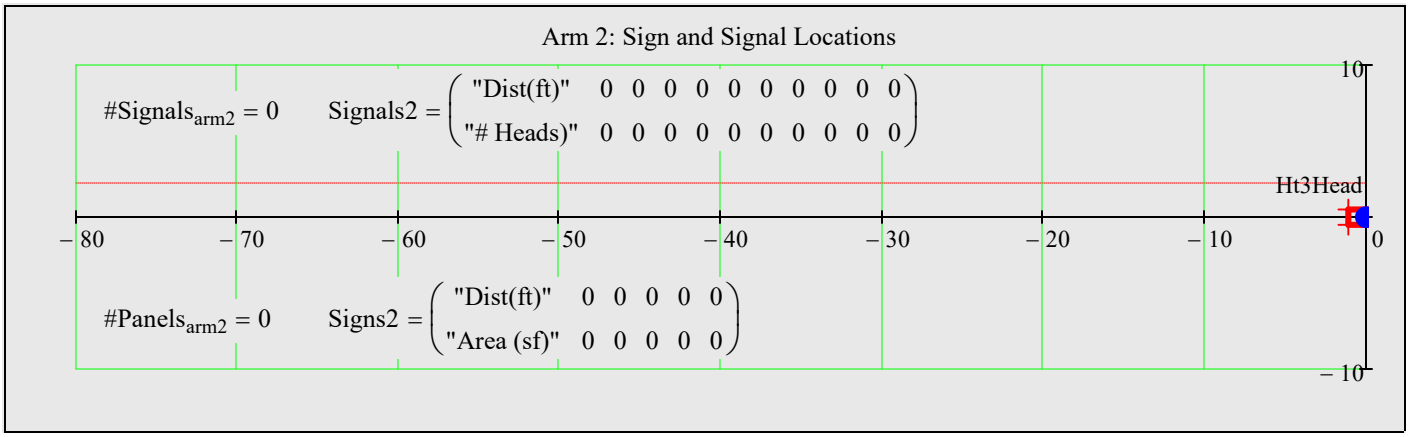
'FA'= 'FE'= $L_{arm1} = \begin{pmatrix} 35.5 \\ 27.5 \end{pmatrix} \cdot ft$ CheckSectionLength_arm1 = "OK"

'FC'= 'FG'= $Diameter_{base.arm1} = \begin{pmatrix} 12.00 \\ 15.00 \end{pmatrix} \cdot in$

'FB'= 'FF'= $Diameter_{tip.arm1} = \begin{pmatrix} 7.03 \\ 11.15 \end{pmatrix} \cdot in$ CheckTipDia_arm1 = "OK"

'FD'= 'FH'= $t_{wall.arm1} = \begin{pmatrix} 0.250 \\ 0.375 \end{pmatrix} \cdot in$

2nd Mast Arm



$\max(CFI_{arm2}) = 0.00$ CheckMaxCFI_arm2 = "OK" $L_{total.arm2} = 0\,ft$ $L_{splice.provided.arm2} = 0 \cdot ft$ $\max(\Delta_{arm2}) = 0 \cdot in$

'SA'= 'SE'= $L_{arm2} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} \cdot ft$ CheckSectionLength_arm2 = "N/A"

'SC'= 'SG'= $Diameter_{base.arm2} = \begin{pmatrix} 0.00 \\ 0.00 \end{pmatrix} \cdot in$

'UF'= $\alpha = 0 \cdot deg$ (Angle Between Arms)

'SB'= 'SF'= $Diameter_{tip.arm2} = \begin{pmatrix} 0.00 \\ 0.00 \end{pmatrix} \cdot in$ CheckTipDia_arm2 = "N/A"

'SD'= 'SH'= $t_{wall.arm2} = \begin{pmatrix} 0.000 \\ 0.000 \end{pmatrix} \cdot in$

Luminaire Arm and Connection *(use MC10x33.6 channel for connection)*

$$\begin{pmatrix} CFI_{base.lumarm} \\ CSR_{bolt.lum} \\ D/C_{baseplate.lum} \\ D/C_{conn.plate.lum} \end{pmatrix} = \begin{pmatrix} 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{pmatrix}$$

'LA'= $Y_{luminaire} = 0\ ft$

'LB'= $X_{luminaire} = 0\ ft$

'LC'= $Diameter_{base.lumarm} = 0 \cdot in$

'LD'= $t_{wall.lumarm} = 0 \cdot in$

'LE'= $Slope_{lumarm} = 0$

'LF'= $r_{lumarm} = 0\ ft$

'LG'= $d_{bolt.lum} = 0 \cdot in$

'LH'= $t_{baseplate.lum} = 0 \cdot in$

'LJ'= $w_{base.lum} = 0 \cdot in$

'LK'= $w_{channel.lum} = 0 \cdot in$

Upright

$\max(CFI_{pole}) = 0.44$

$Check_{deflection} = "OK"$

$Check_{slope} = "OK"$

'UA'= $Y_{pole} = 24.25 \cdot ft$

'UB'= $Y_{arm.conn} = 21.25 \cdot ft$

'UC'= $Diameter_{tip.pole} = 18.6 \cdot in$

'UD'= $Diameter_{base.pole} = 22 \cdot in$

'UE'= $t_{wall.pole} = 0.375 \cdot in$

'UF'= $\alpha = 0 \cdot deg$

'UG'= $Y_{lum.conn} = 0\ ft$

1st Arm to Upright Connection

$D/C_{ht.conn.plate} = 0.60$

$CheckHt_{conn.plate} = "OK"$

$D/C_{width.conn.plate_0} = 0.86$

$CheckWidth_{conn.plate_0} = "OK"$

$$\begin{pmatrix} D/C_{t.baseplate.arm_0} \\ CFI_{t.vert.plate_0} \\ CSR_{bolt.conn_0} \end{pmatrix} = \begin{pmatrix} 0.83 \\ 0.36 \\ 0.34 \end{pmatrix}$$

'HT'= $h_{conn.plate} = 30 \cdot in$

$\#Bolts_{conn_0} = 6$

'FJ'= $b_{conn.plate_0} = 36 \cdot in$

'FK'= $t_{baseplate.arm_0} = 3 \cdot in$

'FL'= $t_{vertical.plate_0} = 0.75 \cdot in$

'FN'= $w_{vertical.plate_0} = \frac{7}{16} \cdot in$

'FO'= $Offset_{conn_0} = 17.0 \cdot in$

'FP'= $d_{bolt.conn_0} = 1.25 \cdot in$

'FR'= $t_{conn.plate_0} = 2.5 \cdot in$

'FS'= $Spacing_{bolts.conn_0} = 12.5 \cdot in$

'FT'= $w_{conn.plate_0} = \begin{pmatrix} \frac{7}{16} \\ 0 \end{pmatrix} \cdot in$

2nd Arm to Upright Connection

$D/C_{width.conn.plate_1} = 0.00$

$CheckWidth_{conn.plate_1} = "OK"$

$$\begin{pmatrix} D/C_{t.baseplate.arm_1} \\ CFI_{t.vert.plate_1} \\ CSR_{bolt.conn_1} \end{pmatrix} = \begin{pmatrix} 0.00 \\ 0.00 \\ 0.00 \end{pmatrix}$$

'HT'= $h_{conn.plate} = 30 \cdot in$

$\#Bolts_{conn_1} = 0$

'SJ'= $b_{conn.plate_1} = 0 \cdot in$

'SK'= $t_{baseplate.arm_1} = 0 \cdot in$

'SL'= $t_{vertical.plate_1} = 0 \cdot in$

'SO'= $Offset_{conn_1} = 0.0 \cdot in$

'SP'= $d_{bolt.conn_1} = 0 \cdot in$

'SR'= $t_{conn.plate_1} = 0 \cdot in$

'SS'= $Spacing_{bolts.conn_1} = 0 \cdot in$

'SN'= $w_{vertical.plate_1} = 0 \cdot in$

'ST'= $w_{conn.plate_1} = 0 \cdot in$

Pole Base Plate

$CSR_{anchor} = 0.16$

$CheckCSR_{anchorbolt} = "OK"$

'#Bolts'= $\#AnchorBolts = 8$

$Diameter_{boltcircle.pole} = 30 \cdot in$

'BA'= $Diameter_{baseplate.pole} = 38 \cdot in$

'BB'= $t_{baseplate.pole} = 2.5 \cdot in$

'BC'= $d_{anchorbolt} = 2.00 \cdot in$

'BF'= $L_{embedment.anchor} = 40 \cdot in$

$L_{anchor.bolt} = 58 \cdot in$

Foundation

$D/C_{torsion.max} = 0.38$

$CheckD/C_{shear.and.torsion} = "OK"$

$CheckReinfClearSpacing = "OK"$

$CheckLongReinf_{shr.tor} = "OK"$

$CheckMaxSpacingTransvReinf = "OK"$

$OverlapDesign = "Based on Overlap of Failure Cones"$

$OverlapTest = "Overlap of Failure Cones"$

$BreakoutTest = "OK"$

$Clearance_{csl.to.nut} = 4.5 \cdot in$

$Offset = 0\ ft$

$d_{long.bar} = 1.41 \cdot in$

$Dia_{bar.circle} = 45.3 \cdot in$

'DA'= $L_{shaft} = 14 \cdot ft$

'DB'= $Diameter_{shaft} = 5 \cdot ft$

'RA'= $round\left(\frac{d_{long.bar}}{0.125in}\right) = 11$

'RB'= $\#LongBars_{prov} = 18$

'RC'= $\#Spaces_{vbar_1} = 10$

'RD'= $s_{v_1} = 8 \cdot in$

'RE'= $\#Spaces_{vbar_2} = 0$

'RF'= $s_{v_2} = 0 \cdot in$

Fatigue

$Check_{galloping.arm1} = "OK"$

$Check_{nwg.arm1} = "OK"$

$Check_{galloping.arm2} = "NA"$

$Check_{nwg.arm2} = "NA"$

$Check_{galloping.pole} = "OK"$

$Check_{nwg.pole} = "OK"$

$Check_{g.conn.bolt} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$

$Check_{nwg.conn.bolt} = \begin{pmatrix} "OK" \\ "OK" \end{pmatrix}$

$Check_{g.anchor} = "OK"$

$Check_{nwg.anchor} = "OK"$

K1 values within 2% of LTS thresholds may use next higher CAFT values

$$CheckK1Values = \begin{pmatrix} "K1 \text{ is outside of } 2\% \text{ of K1 thresholds}" \\ "K1 \text{ is outside of } 2\% \text{ of K1 thresholds}" \\ "K1 \text{ is outside of } 2\% \text{ of K1 thresholds}" \end{pmatrix}$$

$$\begin{pmatrix} K_{I.arm1} \\ K_{I.arm2} \\ K_{I.pole} \end{pmatrix} = \begin{pmatrix} 3.704 \\ 100.000 \\ 6.683 \end{pmatrix} \begin{pmatrix} "Arm\ 1\ Base\ Weld" \\ "Arm\ 2\ Base\ Weld" \\ "Upright\ Base\ Weld" \end{pmatrix}$$

WRITE to Special Mast Arm Assembly Data Tables

Mast Arm Tip Deflection

Compare Mast Arm deflection of each arm to a proposed camber

$Camber_{arm1} := 2 \cdot deg$ $Camber_{arm2} := 2 \cdot deg$

$Deflection_{arm1} := Slope_x \cdot L_{total.arm1} + \max(\Delta_{arm1}) = 18.1 \cdot in$

$CamberArm1_{upward} := \sin(Camber_{arm1}) \cdot L_{total.arm1} = 25.1 \cdot in$

$Deflection_{arm2} := \left[Slope_z \cdot L_{total.arm2} \cdot (\sin(\alpha))\right] + Slope_x \cdot L_{total.arm2} \cdot \cos(\alpha) + \max(\Delta_{arm2}) = 0 \cdot in$

$CamberArm2_{upward} := \sin(Camber_{arm2}) \cdot L_{total.arm2} = 0 \cdot in$

Check Clearance Between Connection Plates *(for Two Arm Structures only)*

$\alpha = 0 \cdot deg$ $\alpha := if[(\alpha > 180 \cdot deg), (360 \cdot deg - \alpha), \alpha]$

$Offset_{conn_0} = 17 \cdot in$ $b_{conn.plate_0} = 36 \cdot in$ $h_{conn.plate} = 30 \cdot in$ $\alpha = 0 \cdot deg$

$Offset_{conn_1} = 0 \cdot in$ $b_{conn.plate_1} = 0 \cdot in$

$x1 := Offset_{conn_0} - t_{conn.plate_0} - h_{conn.plate} \cdot \frac{\sin(Camber_{arm1})}{2} = 14 \cdot in$ $y1 := \frac{b_{conn.plate_0}}{2} = 18 \cdot in$

$x2 := \left(Offset_{conn_1} - t_{conn.plate_1} - h_{conn.plate} \cdot \frac{\sin(Camber_{arm2})}{2}\right) \cdot \cos(\alpha) + \frac{b_{conn.plate_1}}{2} \cdot \sin(\alpha) = -0.5 \cdot in$

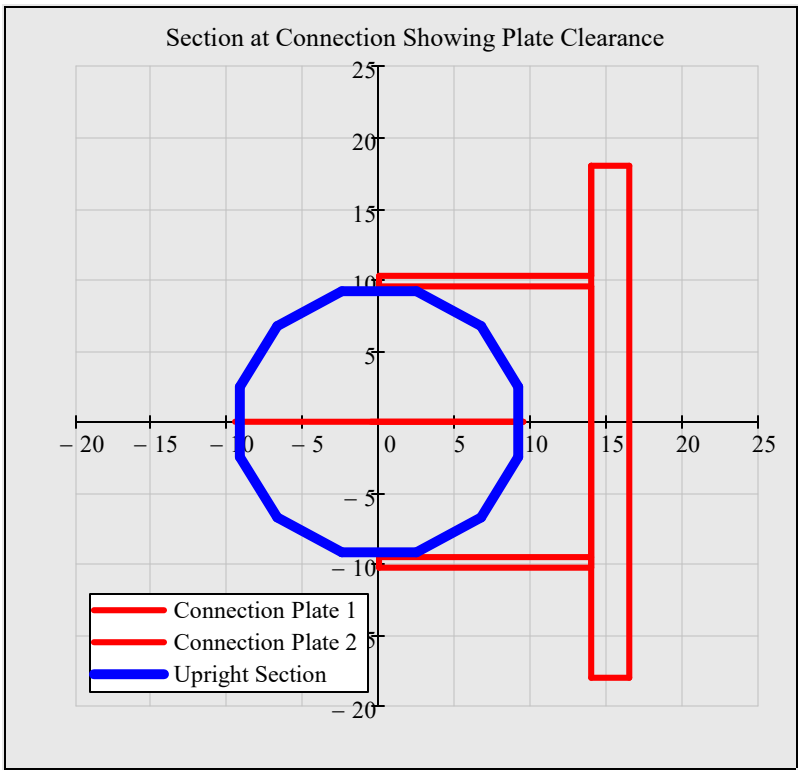
$y2 := \left(Offset_{conn_1} - t_{conn.plate_1} - h_{conn.plate} \cdot \frac{\sin(Camber_{arm2})}{2}\right) \cdot \sin(\alpha) - \frac{b_{conn.plate_1}}{2} \cdot \cos(\alpha) = 0 \cdot in$

$Clearance_{plate.to.plate} := if\left[(x1 > x2) \cdot (y2 > y1), \sqrt{(x1 - x2)^2 + (y1 - y2)^2}, 0 \cdot in\right] = 0 \cdot in$

(if Clearance < 2 inches, a redesign is required.

Coordinates for Drawings

Plan View - Connection Plate Clearance for Two Arm Connections



$Clearance_{plate.to.plate} = 0 \cdot in$

$Diameter_{conn.pole} = 19.1 \cdot in$

'FR'= $t_{conn.plate_0} = 2.5 \cdot in$

'FJ'= $b_{conn.plate_0} = 36 \cdot in$

'FL'= $t_{vertical.plate_0} = 0.75 \cdot in$

'FO'= $Offset_{conn_0} = 17.0 \cdot in$

$Gap_0 = 7.5 \cdot in$

'SR'= $t_{conn.plate_1} = 0 \cdot in$

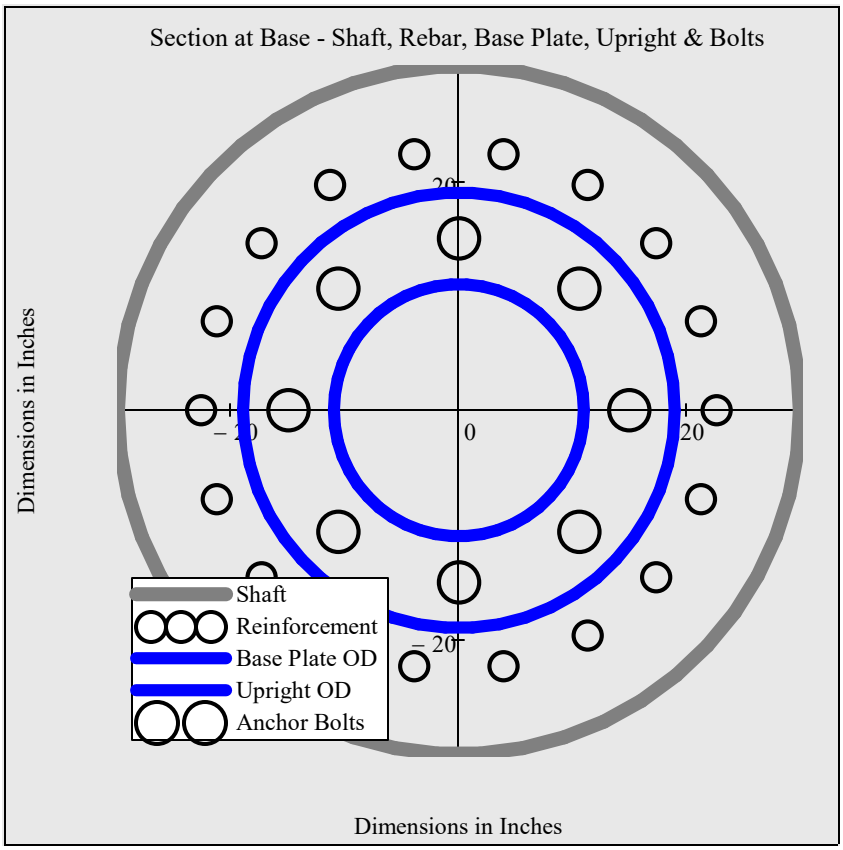
'SJ'= $b_{conn.plate_1} = 0 \cdot in$

'SL'= $t_{vertical.plate_1} = 0 \cdot in$

'SO'= $Offset_{conn_1} = 0.0 \cdot in$

$Gap_1 = 0 \cdot in$

Plan View - Drilled Shaft, Base Plate, Upright, Anchor Bolts, & Reinforcing Steel



$Clearance_{bar.to.nut} = 5.1 \cdot in$

'UD'= $Diameter_{base.pole} = 22 \cdot in$

'BA'= $Diameter_{baseplate.pole} = 38 \cdot in$

'DB'= $Diameter_{shaft} = 60 \cdot in$

$Diameter_{boltcircle.pole} = 30 \cdot in$

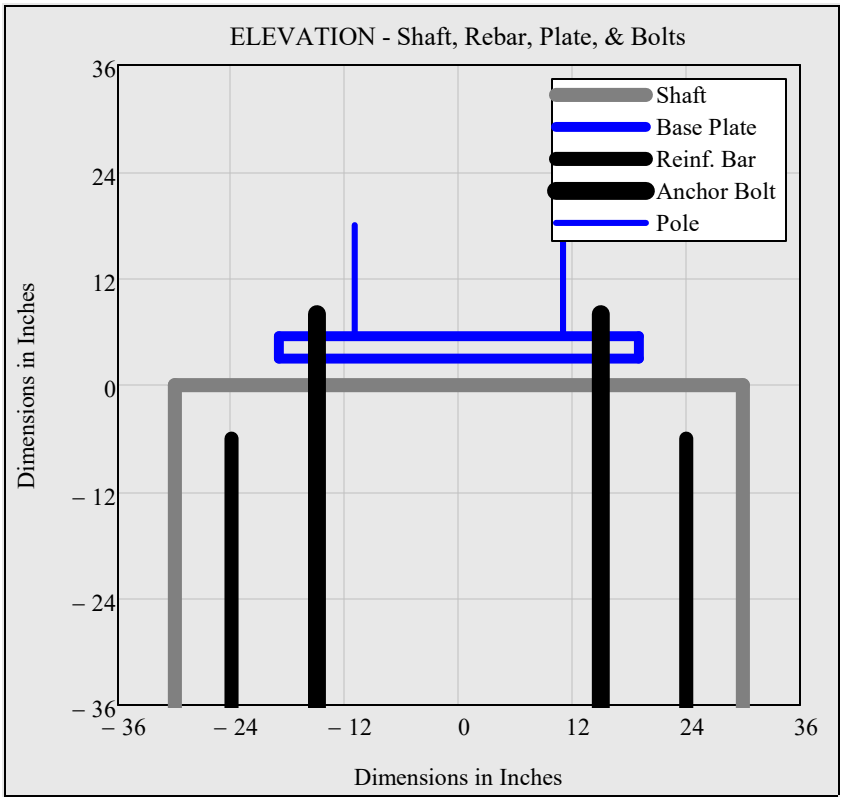
$Dia_{bar.circle} = 45.3 \cdot in$

$\#AnchorBolts = 8$

$\#LongBars_{prov} = 18$

Note: The Plan and Elevation Views do not show the 4 or 5 1.9" O.D. Nondestructive Integrity Testing Access Tubes that are tied to the inside of the reinforcing cage (see FDOT Spec 455-16.4).

Elevation View - Drilled Shaft, Base Plate, Anchor Bolts, & Reinforcing Steel



$Clearance_{bar.to.nut} = 5.1 \cdot in$

'UD'= $Diameter_{base.pole} = 22 \cdot in$

'BA'= $Diameter_{baseplate.pole} = 38 \cdot in$

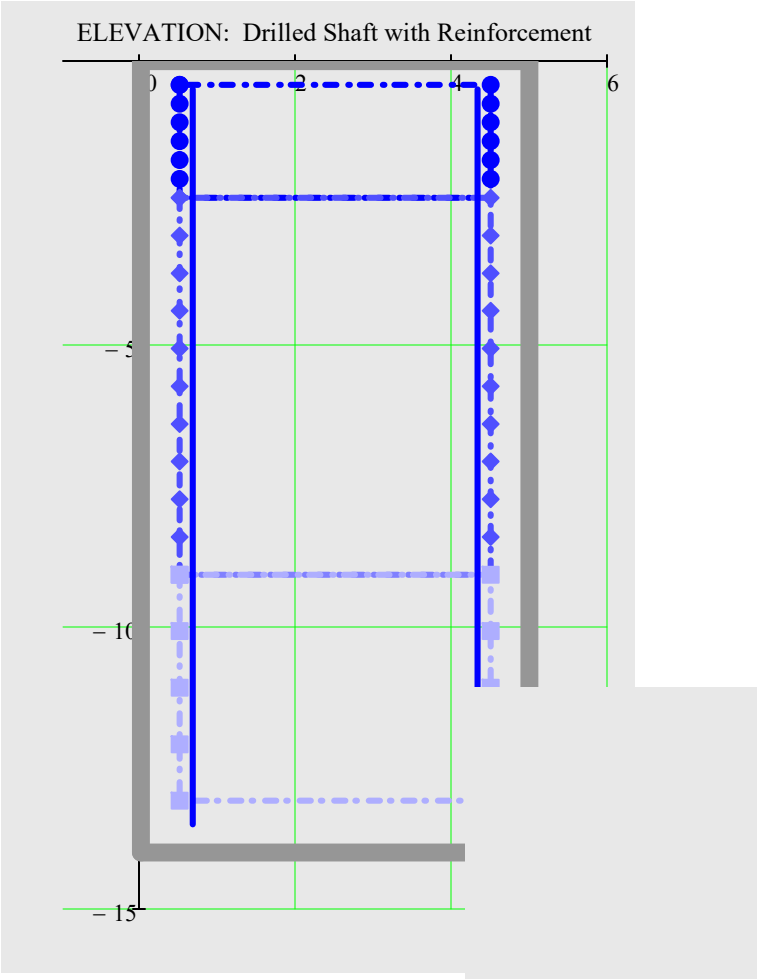
'BB'= $t_{baseplate.pole} = 2.5 \cdot in$

'DB'= $Diameter_{shaft} = 60 \cdot in$

$Diameter_{boltcircle.pole} = 30 \cdot in$

$Dia_{bar.circle} = 45.3 \cdot in$

Elevation View - Drilled Shaft with Main Reinforcement and Stirrups

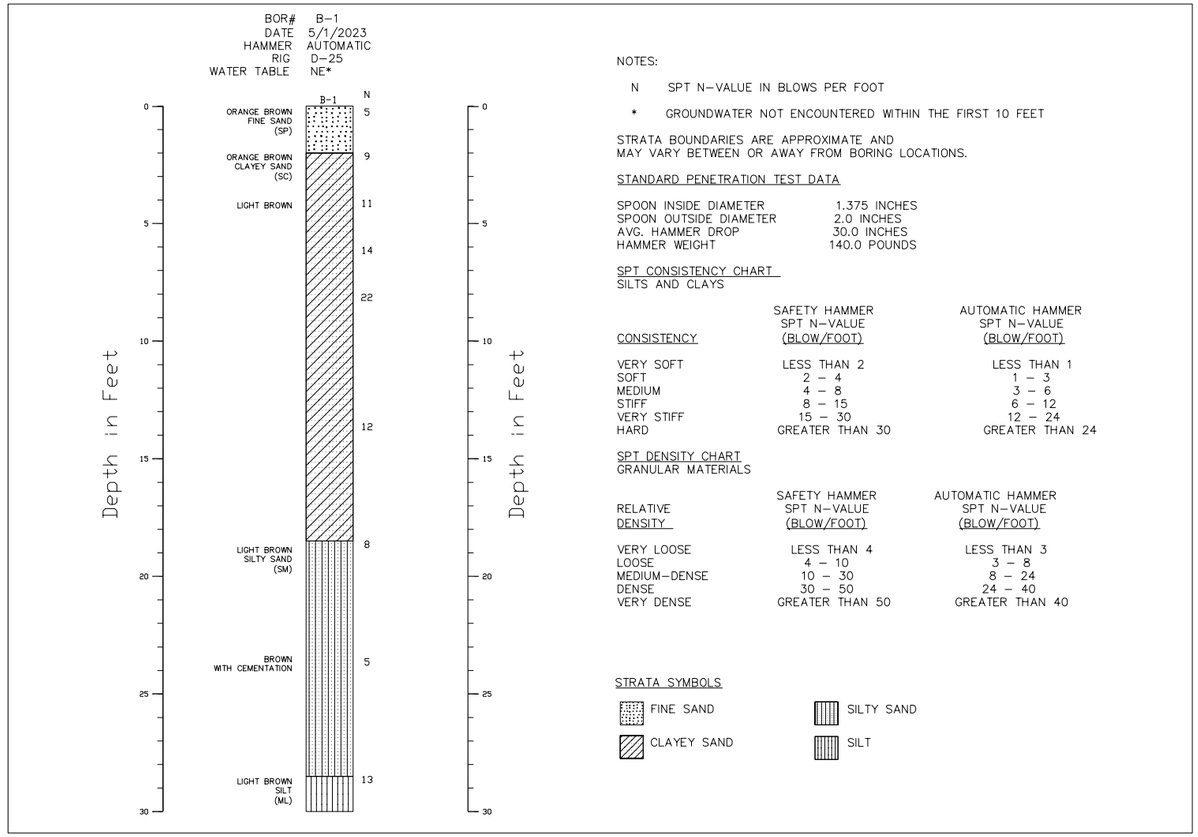


$$s_v = \begin{pmatrix} 4 \\ 8 \\ 0 \\ 12 \end{pmatrix} \cdot \text{in}$$ *stirrup spacing*

$$\#\text{Spaces}_{vbar} = \begin{pmatrix} 6 \\ 10 \\ 0 \\ 4 \end{pmatrix}$$ *number of stirrup spaces*

APPENDIX A: GEOTECHNICAL INFORMATION

CORE BORING SHEET



NOTES:

N SPT N-VALUE IN BLOWS PER FOOT

* GROUNDWATER NOT ENCOUNTERED WITHIN THE FIRST 10 FEET

STRATA BOUNDARIES ARE APPROXIMATE AND MAY VARY BETWEEN OR AWAY FROM BORING LOCATIONS.

STANDARD PENETRATION TEST DATA

SPOON INSIDE DIAMETER	1.375 INCHES
SPOON OUTSIDE DIAMETER	2.0 INCHES
AVG. HAMMER DROP	30.0 INCHES
HAMMER WEIGHT	140.0 POUNDS

SPT CONSISTENCY CHART
SILTS AND CLAYS

CONSISTENCY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 – 4	1 – 3
MEDIUM	4 – 8	3 – 6
STIFF	8 – 15	6 – 12
VERY STIFF	15 – 30	12 – 24
HARD	GREATER THAN 30	GREATER THAN 24

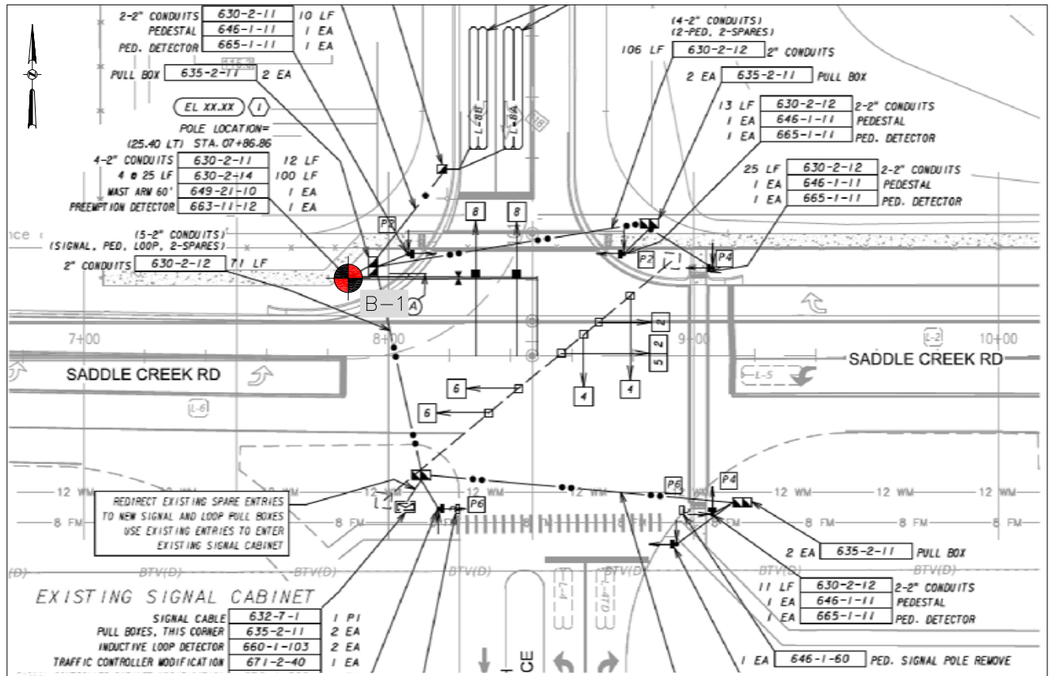
SPT DENSITY CHART
GRANULAR MATERIALS

RELATIVE DENSITY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 – 10	3 – 8
MEDIUM-DENSE	10 – 30	8 – 24
DENSE	30 – 50	24 – 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40

STRATA SYMBOLS

FINE SAND
CLAYEY SAND
SILTY SAND
SILT

BORING LOCATION PLAN



LEGEND

APPROXIMATE LOCATION OF SPT BORING

Drawing Scale:
1" = 50'

Note:
Basemap provided by VIBE Engineering

ESTIMATED SOIL PARAMETERS

BORING	Depth (feet, bgs)	Field SPT "N" Value	Auto Hammer Correction Factor	Corrected SPT "N" Value	USCS Classification	Saturated Unit Weight, γ_{sat} (pcf)	Submerged Unit Weight, γ' (pcf)	Cohesion, C (psf)	Friction Angle, ϕ (°)	Rankine's Earth Pressure Coefficients		
										At Rest (K_o)	Active (K_a)	Passive (K_p)
B-1	0 - 2	5	1.24	6	SP	105	43	0	30	0.50	0.33	3.00
	2 - 4	9	1.24	11	SC	110	48	0	31	0.48	0.32	3.12
	4 - 6	11	1.24	14	SC	110	48	0	32	0.47	0.31	3.25
	6 - 8	14	1.24	17	SC	110	48	0	32	0.47	0.31	3.25
	8 - 10	22	1.24	27	SC	115	53	0	35	0.43	0.27	3.69
	10 - 15	12	1.24	15	SC	110	48	0	32	0.47	0.31	3.25
	15 - 20	8	1.24	10	SM	105	43	0	31	0.48	0.32	3.12
	20 - 25	5	1.24	6	SM	105	43	0	30	0.50	0.33	3.00
	25 - 30	13	1.24	16	ML	105	43	2000	0	1.00	1.00	1.00

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PHONE: 813.621.8168
FAX: 813.621.8232
www.faulknereng.com

Saddle Creek Road and School Entrance Traffic Signalization

SCALE	DATE	JOB NO.
As Shown	05.15.23	23-5839
DRAWN: MR		
CHKD: PK		FIGURE 1

APPENDIX B: CORRESPONDENCE

Tanna Campbell

From: Phuc Duong <pduong@vibengineering.com>
Sent: Tuesday, July 25, 2023 3:24 PM
To: Johnny Fung
Cc: Tim Smith; Tanna Campbell; Atonu Islam
Subject: RE: Saddle Creek Rd and Teneroc High School Signal

CAUTION: This email originated from outside the organization. Use caution with links and attachments.

Johnny,

Good catch! We will send you the updated plans shortly. Please see the responses to your questions below.

1. The tabulation sheet indicated a luminaire to be included (Indicated "Y", next to crown elevation). However, we do not have any information associated with the height of luminaire. Should this be "N"?
   RESPONSE: No luminaire on the mast arm pole so we will update to "N".
2. We performed the vertical clearance calculation and it believe that the mounting height needs to be 21.25' in order to meet the 17.5-ft vertical clearance requirement.
   RESPONSE: Agree, we will update the MH as suggested.
3. Do the Signalization Plans need to refer to the school as "Tenoroc"? Currently, "Teneroc" is being used.
   RESPONSE: Agree, we will revise to "Tenoroc"

Thanks,,
Phuc

A Certified DBE/SBE/WBE/MBE Company

Phuc Duong, PE
Vice President

Cell: 813.416.4803

From: Johnny Fung <johnny.fung@Patelgreene.com>
Sent: Tuesday, July 25, 2023 3:13 PM
To: Phuc Duong <pduong@vibengineering.com>
Cc: Tim Smith <tsmith@vibengineering.com>; Tanna Campbell <tanna.campbell@patelgreene.com>
Subject: RE: Saddle Creek Rd and Teneroc High School Signal

Phuc,

It does not appear that the latest set addressed the questions that I sent in the email. Can you please provide responses?

Johnny Fung, PE
VP, Chief Engineer I/Project Manager

Patel, Greene & Associates, LLC (PGA)
12570 Telecom Drive, Temple Terrace, FL 33637
Office: (813) 978-3100| Direct: (863) 220-7246 | Email: Johnny.Fung@patelgreene.com

Follow PGA on Social Media
Website Facebook LinkedIn Twitter Instagram

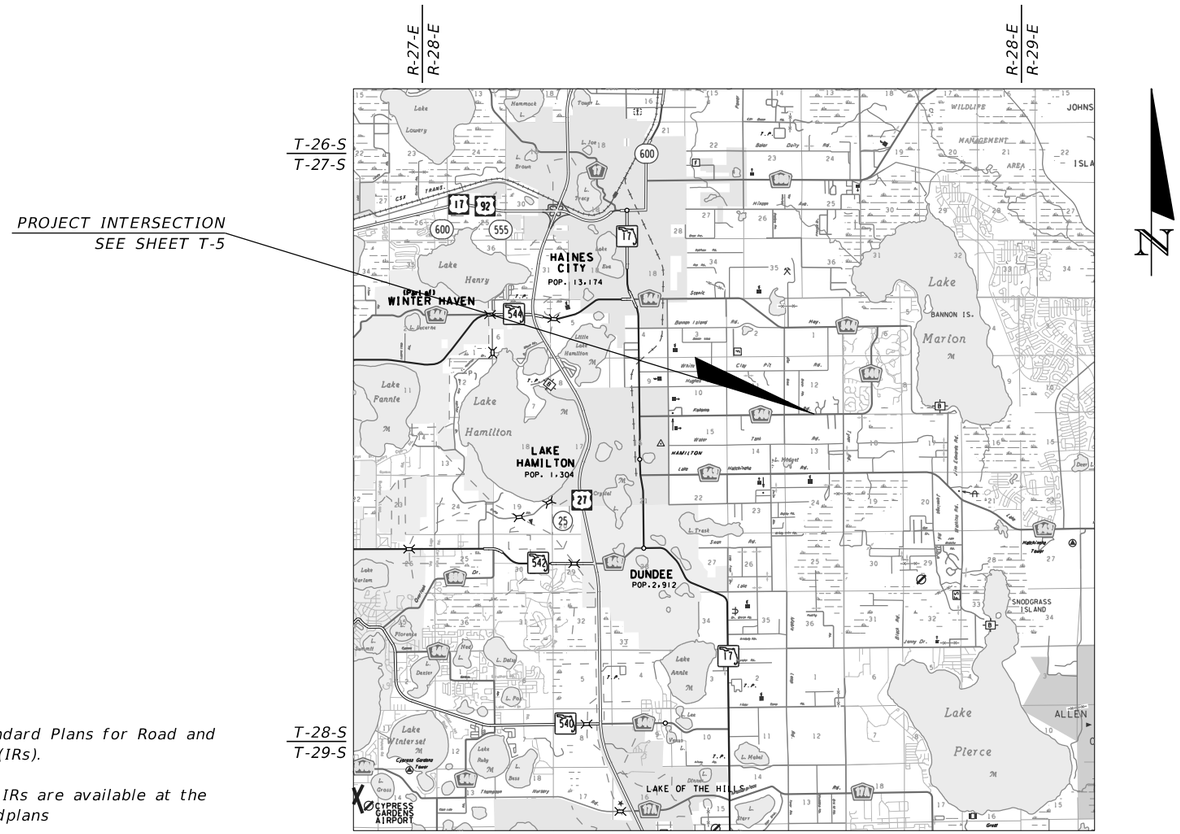
CONTRACT PLANS

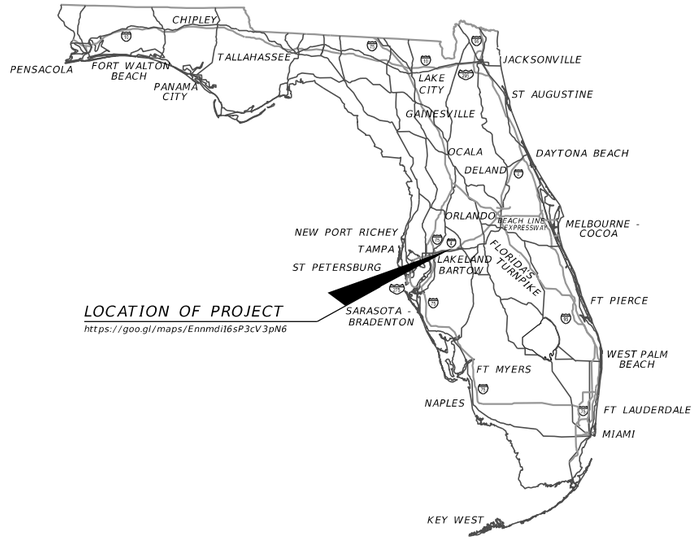
SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES AND PAY ITEM NOTES
T-5	SIGNALIZATION PLAN
T-6	LIGHTING PLAN
T-7	STREET NAME SIGN WORKSHEET
T-8	STANDARD MAST ARM TABULATION
T-9	MAST ARM ASSEMBLIES DATA TABLES
T-10	CORE BORING SHEET

SIGNALIZATION PLANS





LOCATION OF PROJECT
https://goo.gl/maps/Ennmdi16sP3cV3pN6

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

SIGNALIZATION PLANS ENGINEER OF RECORD:

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

PROJECT MANAGER:

SCOTT SHAPIRO

FISCAL YEAR	SHEET NO.
24	T-1

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PHUC H. DUONG
LICENSE
No 63835
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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ON THE DATE ADJACENT TO THE SEAL

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P.E. LICENSE NUMBER 63835
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6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES AND PAY ITEM NOTES
T-5	SIGNALIZATION PLAN
T-7	STREET NAME SIGN WORKSHEET
T-8	STANDARD MAST ARM TABULATION

ARTHUR E. TESTER
LICENSE
No 86666
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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TAMPA, FL 33625

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SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-6	LIGHTING PLAN

JOHNNY FUNG
LICENSE
No 64669
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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JOHNNY FUNG, P.E.
P.E. LICENSE NUMBER 64669
PATEL, GREENE, & ASSOCIATES
12570 TELECOM DR
TEMPLE TERRACE, FL 33637

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-9	MAST ARM ASSEMBLIES DATA TABLES

PAVAN K. KOLUKALA
LICENSE
No 83670
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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PAVAN K. KOLUKALA, P.E.
P.E. LICENSE NUMBER 83670
FAULKNER ENGINEERING SERVICES
2734 CAUSEWAY CENTER DRIVE
TAMPA, FL 33619

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET DESCRIPTION
T-2	SIGNATURE SHEET
T-10	CORE BORING SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

SIGNATURE SHEET

SHEET NO.
T-2

SIGNALIZATION TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS T-5 PLAN	T-5 FINAL													TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL
101-1	MOBILIZATION	LS																		
102-1	MAINTENANCE OF TRAFFIC	LS																		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH (2" HDPE)	LF	68														68		68	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (5-2" HDPE)	LF	285														285		285	
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	100														100		100	
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1														1		1	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	7														7		7	
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL /F&I	EA	6														6		6	
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	EA	2														2		2	
649-21-10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1														1		1	
650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY /F&I	AS	1														1		1	
650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY /F&I	AS	1														1		1	
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6														6		6	
660-1-103	LOOP DETECTOR INDUCTIVE, F&I, TYPE 3	EA	2														2		2	
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	2														2		2	
663-11-12	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	1														1		1	
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6														6		6	
671-2-40	TRAFFIC CONTROLLER, MODIFY	EA	1														1		1	
676-1-500	TRAFFIC SIGNAL CONTROLLER CABINET, ADJUST/MODIFY	EA	1														1		1	
700-5-22	INTERNALLY ILLUMINATED SIGN, OVERHEAD MOUNT (12-18FT2) /F&I	EA	1														1		1	

LIGHTING TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS T-6 PLAN	T-6 FINAL													TOTAL THIS SHEET PLAN	TOTAL THIS SHEET FINAL	GRAND TOTAL PLAN	GRAND TOTAL FINAL
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH (1-2" HDPE)	LF	96														96		96	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (2-2" HDPE)	LF	275														275		275	
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	5														5		5	
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	7														7		7	
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	15														15		15	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	1530														1530		1530	
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	LF	1														1		1	
715-61-111	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 8' ARM LENGTH	EA	4														4		4	
715-61-142	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT, 12' ARM LENGTH	EA	2														2		2	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL	EA	6														6		6	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

TABULATION OF QUANTITIES

SHEET NO. T-3

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

SIGNALIZATION:

1. COMPLY WITH THE SUNSHINE 811 RELATED FLORIDA STATUTES. UNDERGROUND CABLE SITES MUST BE LOCATED AND IDENTIFIED BY PROPER AUTHORITIES AT TIME OF CONSTRUCTION.

2. CONTACT CITY OF LAKELAND ELECTRIC FOR THEIR ASSISTANCE IN PERFORMING ALL NECESSARY WORK UNDER POWER LINES.

3. POLK COUNTY TRAFFIC ENGINEERING AND OPERATIONS (863) 535-2200 MUST BE NOTIFIED AT LEAST TWO WEEKS IN ADVANCE OF ACTIVATING NEW TRAFFIC CONTROLLER TO PROVIDE SUFFICIENT TIME TO ESTABLISH SIGNAL TIMINGS.

4. THE CONTRACTOR MUST HAVE A STATE OF FLORIDA ELECTRICAL CONTRACTOR'S LICENSE.

5. TREE TRIMMING AND REMOVAL MAY BE REQUIRED TO PROVIDE ADEQUATE SIGHT DISTANCE OR AS ORDERED BY THE ENGINEER. ALL EXPENSES INCURRED FOR THIS WORK MUST BE DIVIDED AMONG THE ITEM NUMBERS FOR SIGNALIZATION.

6. THREE-SECTION HEADS OVER LEFT TURN LANES MUST BE CABLED TO SUPPORT FUTURE FOUR-SECTION OR FIVE-SECTION HEADS.

7. THE LENGTH OF THE MAST ARM MUST EXTEND TO THE INSIDE EDGE OF THE LEFT TURN LANE CLOSEST TO THE MEDIAN.

7. APPROVAL MUST BE OBTAINED FROM THE ENGINEER OF RECORD IF THE POLE FOUNDATION IS NOT INSTALLED PER PLANS.

8. INTERNALLY ILLUMINATED SIGNS MUST BE DUAL FACED AND SHALL OPEN TOWARD THE INTERSECTION (FRONT SIDE).

9. ALL SIGNAL INDICATIONS AND PEDESTRIAN INDICATIONS MUST BE LED AND MEET THE ITE LED STANDARD. THE LED SIGNAL INDICATIONS MUST PROVIDE AN INCANDESCENT LOOK. THE PEDESTRIAN INDICATIONS MUST BE COUNTDOWN TYPE WITH HAND/MAN OVERLAY.

CONTROLLER:

1. THE CONTROLLER BASE SHALL BE AT LEAST AS HIGH AS THE CROWN OF THE ROAD.

SIGNAL PLANS SET:

1. THE CONTRACTOR SHALL SUBMIT MARKED-UP AS-BUILT PLANS TO THE ENGINEER FOR FINAL ACCEPTANCE. THE ENGINEER SHALL PROVIDE AT LEAST ONE COMPLETE COPY OF THE PLANS.

SIGNING AND PAVEMENT MARKINGS:

1. ALL EXISTING TRAFFIC SIGNS MUST BE MAINTAINED DURING CONSTRUCTION.

2. ALL TRAFFIC SIGN POSTS MUST BE COMPATIBLE (MAKE, DESIGN) WITH POSTS NOW IN USE BY THE POLK COUNTY TRAFFIC ENGINEERING AND OPERATION.

3. CAUTION MUST BE EXERCISED WHILE RELOCATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO SIGNS. DAMAGED SIGNS MUST BE REPLACED.

4. SIGN LOCATIONS SHOWN ARE APPROXIMATE. ANY FIELD ADJUSTMENT MUST BE AT THE DIRECTION OF THE CONSTRUCTION PROJECT MANAGER AND/OR THE ENGINEER OF RECORD.

SIGNALIZATION CONDUIT/ PULL BOXES:

1. NOTE THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY BORING OR TRENCHING.

2. A MINIMUM OF FOUR CONDUITS MUST BE PROVIDED BETWEEN THE CORNERS OF THE INTERSECTION.

3. ALL CONDUITS MUST BE 2 INCH MINIMUM, UNLESS OTHERWISE SPECIFIED IN THE PLANS.

4. ALL CONDUITS MUST BE INSTALLED PRIOR TO ROADWAY BASE OR SIDEWALK CONSTRUCTION.

5. MAST ARM POLE FOUNDATION SHALL HAVE A MINIMUM OF 4-2" CONDUITS CONNECTED TO THE NEAREST PULLBOXES.

PAY ITEM NOTES:

632-7-1: WIRE EACH PHASE/MOVEMENT AS A SEPARATE PHASE/MOVEMENT.

635-2- 11 : MUST BE 17"X30"X18" UNLESS DESIGNATED FOR LIGHTING AND ELECTRIC SERVICE. THE PULL BOX COVER/LID MUST BE HEAVY DUTY AND HAVE A MINIMUM DESIGN/TEST LOAD OF 15,000 (DESIGN)/22,500 (TEST) LBS. THE PULL BOX MUST HAVE A MINIMUM DESIGN/TEST LOAD OF 22,500 (DESIGN)/33,500 (TEST) LBS.

646-1-11: MUST INCLUDE BREAK AWAY SUPPORT (TRANSFORMER TYPE BASE).

649-21-10: MUST INCLUDE 7" MIN./8.5" MAX. BY 2' MIN./2.5' MAX. TERMINATION COMPARTMENT HAND HOLE FOR ALL MAST ARMS.

INSTALL TOP OF FOUNDATION FOR MAST ARM POLES FLUSH WITH SIDEWALK TO PROVIDED ADDITIONAL SIDEWALK CLEARANCE FOR ADA.

665-1-11: ADA PIEZO PUSHBUTTONS WITH RAISED ARROW AND AUDIBLE INDICATION MUST BE USED.

671-2-40: MODIFY EXISTING TRAFFIC SIGNAL CONTROLLER TO UPDATE CONTROLLER TIMINGS.

676-1-500: MODIFY EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO TERMINATE AND PROGRAM LOOPS AND CONNECT PEDESTRIAN FEATURES. CORE-DRILL EXISTING CONTROLLER CABINET BASES AND INSTALL NEW CONDUITS IF SPARE CONDUIT STUBS-OUT CANNOT BE USED. REPLACE EXISTING LIGHTING CIRCUIT BREAKER IN THE TRAFFIC SIGNAL CONTROLLER CABINET.

UTILITY COMPANY	CONTACT	NUMBER
CITY OF AUBURNDALE W/S/STREET	MANNY SILVA	(863) 956-7743
CITY OF LAKELAND ELECTRIC	KRIS HAYES	(863) 834-6486
WANRACK, LLC	NATHAN DEAL	(913) 601-5274
WILLIAMS	JAMES VILLARREAL	(941) 723-7100

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

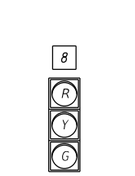
PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

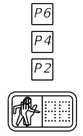
GENERAL NOTES AND PAY ITEM NOTES

SHEET NO. T-4



3-SECT., 1-WAY
1 AS
650-1-14

4-SECT., 1-WAY
1 AS
650-1-16

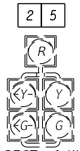


PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
6 AS
653-1-11

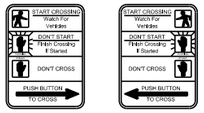
PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
2 EXISTING
(TO BE REMOVED)

* ALL SIGNAL HEADS SHALL BE LED TYPE AND SHALL HAVE TUNNEL VISORS AND BACK PLATES WITH REFLECTIVE BORDER.

3-SECT., 1-WAY
5 EXISTING



5-SECT., 1-WAY
1 EXISTING



SIGN R10-03B
FOR P2 ONLY

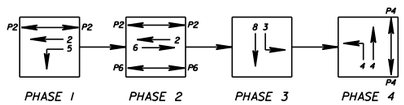
SIGN R10-031
FOR P4 ONLY

SIGN R10-031
FOR P6 ONLY

CONTROLLER NOTES:

1. MAJOR STREET IS SADDLE CREEK RD, AND PHASE 1 (MOVEMENT 2 AND 6). (FLASH YELLOW)
2. MINOR STREET IS TENOROC SCHOOL ENTRANCE, AND PHASE 3 (MOVEMENTS 4 AND 8). (FLASH RED)
3. MODIFIED STANDARD OPERATION PLAN (SOP) NO. 16 WITH THE FOLLOWING:
   - WIRE INTERSECTION FOR FUTURE SOP 10.
   - CONCURRENT/ACTUATED PEDESTRIANS FOR MOVEMENT 2 (P2), 4 (P4) AND 6 (P6).
4. EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.
5. ROADWAY CROWN ELEVATION IS 121.17 FEET.

MODIFIED SIGNAL OPERATION PLAN NO. 16



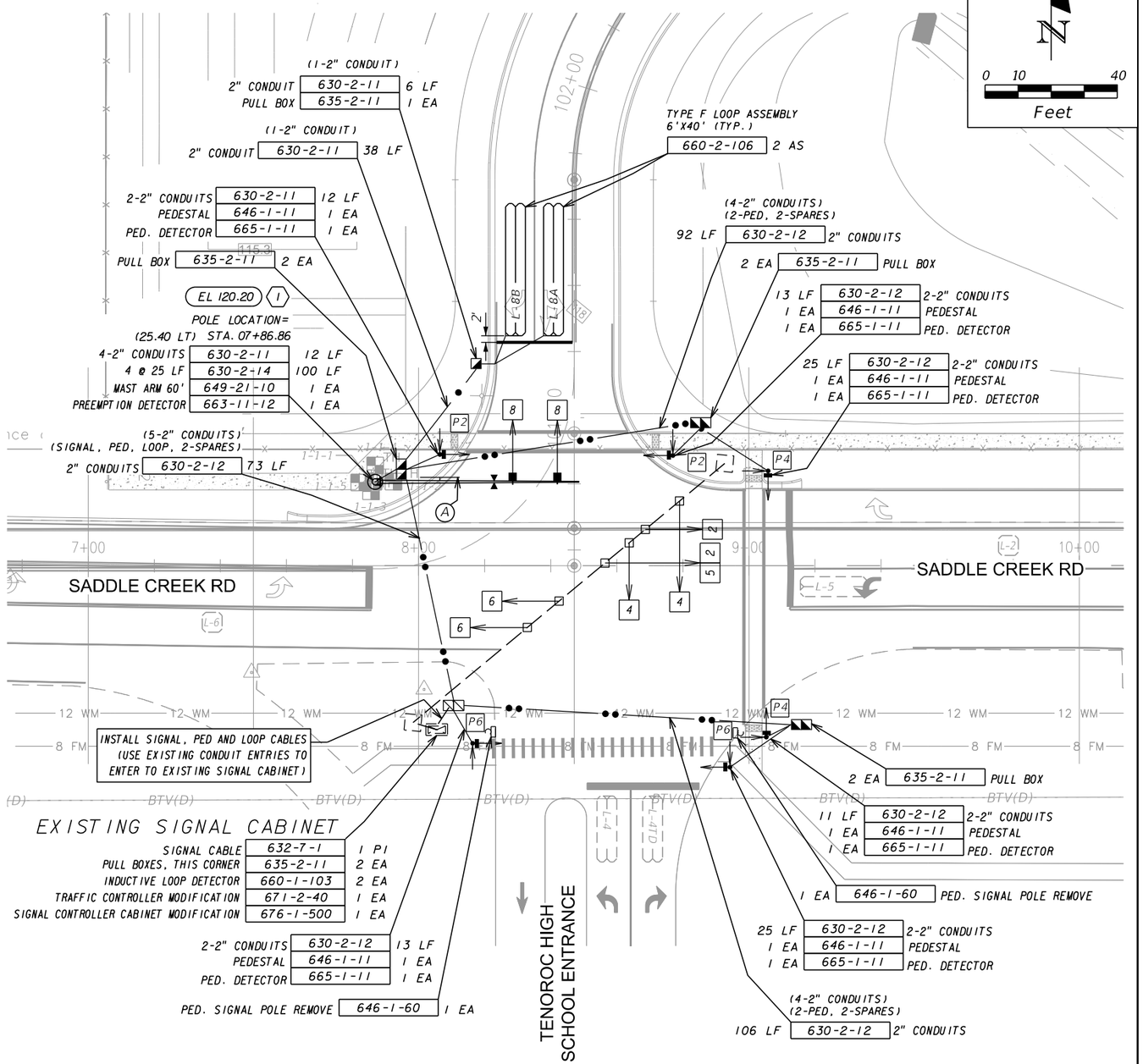
(A) Saddle Creek Rd

700-5-22 1 EA

CONTROLLER TIMINGS									
TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN		10		5	5	10		5
	EXTENSION		3		3	3	3		3
	MAXIMUM GREEN 1		40		30	25	40		30
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE		4.8		4.0	4.8	4.8		4.0
	ALL RED		2		2	2	2		2
	PEDESTRIAN WALK		7		7		7		
	PED. CLEARANCE		16		21		19		
	RECALL		ON				ON		

DETECTORS FOR LOOPS				
LOOP	NO. OF LOOPS	NO. OF NEW DETS.	NO. OF EXIST. DETS.	DELAY TIME (SEC)
L-2	1		1	
L-4	1		1	
L-4TD	1		1	5
L-5	1		1	
L-6	1		1	
L-8A	1	1		
L-8B	1	1		

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

SIGNALIZATION PLAN

SHEET NO. T-5

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

INTERSECTION LIGHTING DESIGN CRITERIA

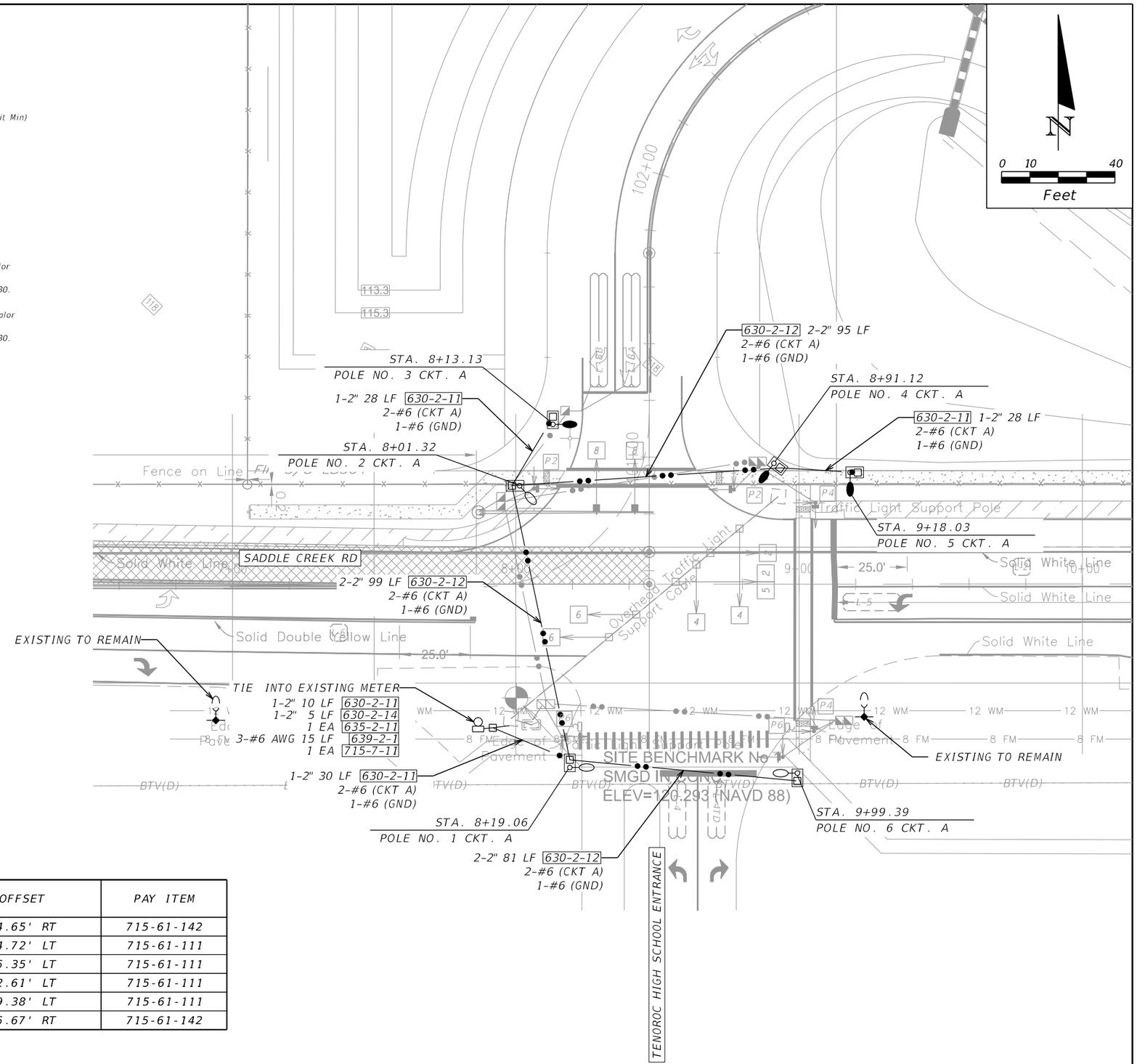
Average Initial Illuminance	3.0 Foot Candles (HFC)
Uniformity Ratio Avg./Min.	4:1 Or Less
Max./Min.	10:1 Or Less

CROSSWALK LIGHTING DESIGN CRITERIA

Average Initial Illuminance	1.5 Foot Candles (VFC) (Std)
	1.2 Foot Candles (VFC) (Min)
	1.0 Foot Candles (VFC) (Retrofit Min)

LEGEND

SYMBOLS	DESCRIPTION
	76 watt (9600 lumens) light emitting diode (led) luminaire designed for type IV short distribution, 3000k color temperature wired for 120 volt operation. The symbol includes pull box, pole, fixture, arm, and pole cable distribution system. Lighting design based on general electric evolve, photometric curve number ERL2_10D530.
	87 watt (10500 lumens) light emitting diode (led) luminaire designed for type IV short distribution, 3000k color temperature wired for 120 volt operation. The symbol includes pull box, pole, fixture, arm, and pole cable distribution system. Lighting design based on general electric evolve, photometric curve number ERL2_11D530.
	Existing luminaire to on joint-use pole remain.
	Proposed 1-2" HDPE SDR 13.5, Schedule 80 PVC, or Schedule 40 PVC conduit, open trench.
	Proposed 2-2" HDPE SDR 13.5, Schedule 80 PVC, or Schedule 40 PVC conduit, directional bore.
	Pull box. For specifications see Section 635 of Standard Specifications For Road And Bridge Construction.
	Distribution point. For requirements see Index No. 17504 of Design Standards.



POLE DATA

POLE NO.	CIRCUIT	STATION	DIST. OR ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	OFFSET	PAY ITEM
1	A	8+19.06	12	87	30.00	64.65' RT	715-61-142
2	A	8+01.32	12	76	30.00	34.72' LT	715-61-111
3	A	8+13.13	12	76	30.00	56.35' LT	715-61-111
4	A	8+91.12	12	76	30.00	42.61' LT	715-61-111
5	A	9+18.03	12	76	30.00	39.38' LT	715-61-111
6	A	9+99.39	12	87	30.00	66.67' RT	715-61-142

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

ARTHUR E. TESTER, P.E.
P.E. LICENSE NUMBER 86666
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

LIGHTING PLAN

SHEET NO. T-6

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

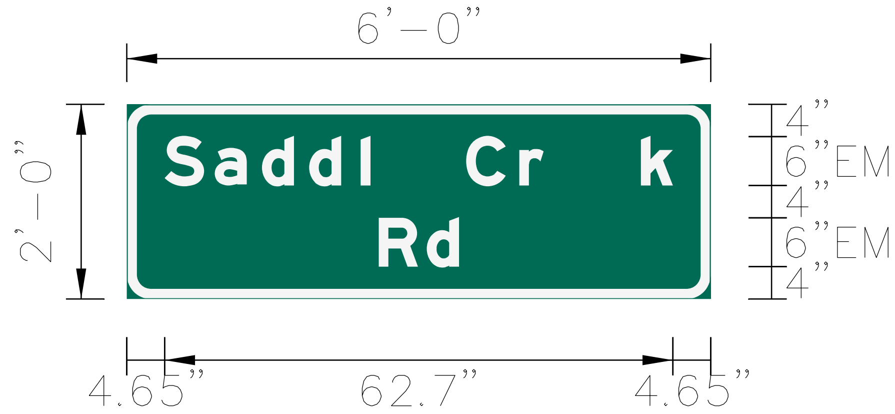
SIGN NAME	SIGN A	QTY	1	SIGN NUMBER	STATION(S)
PANEL		BORDER			none
WIDTH	6'-Ø"	WIDTH	1.25"		
HEIGHT	2'-Ø"	RADII	3"		
LEGEND	White	COLOR	White		
COLOR	Green				

SYMBOL(S)	ANGLE	X	Y	WID	HT

SIGN NUMBER	NUMBER OF POSTS	CLEARANCE Edge Of Lane	COLUMN SIZE		AVERAGE LENGTH

NO. OF LIGHT FIXTURES		FIXTURE SPACING		WATT	
PHOTOMETRIC CURVE			VOLTAGE		

NOTE:
1. INTERNALLY ILLUMINATED STREET NAME SIGN SHALL BE TWO-SIDED.



COPY		S	a	d	d	l	e		C	r	e	e	k		L
SPACE	4.6	6.2	5.8	5.8	6.4	3.1	4	6	6.5	3.9	5.3	5.8	4	4.6	62.7
COPY		R	d		L										
SPACE	31	5.9	4	31	9.9										
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

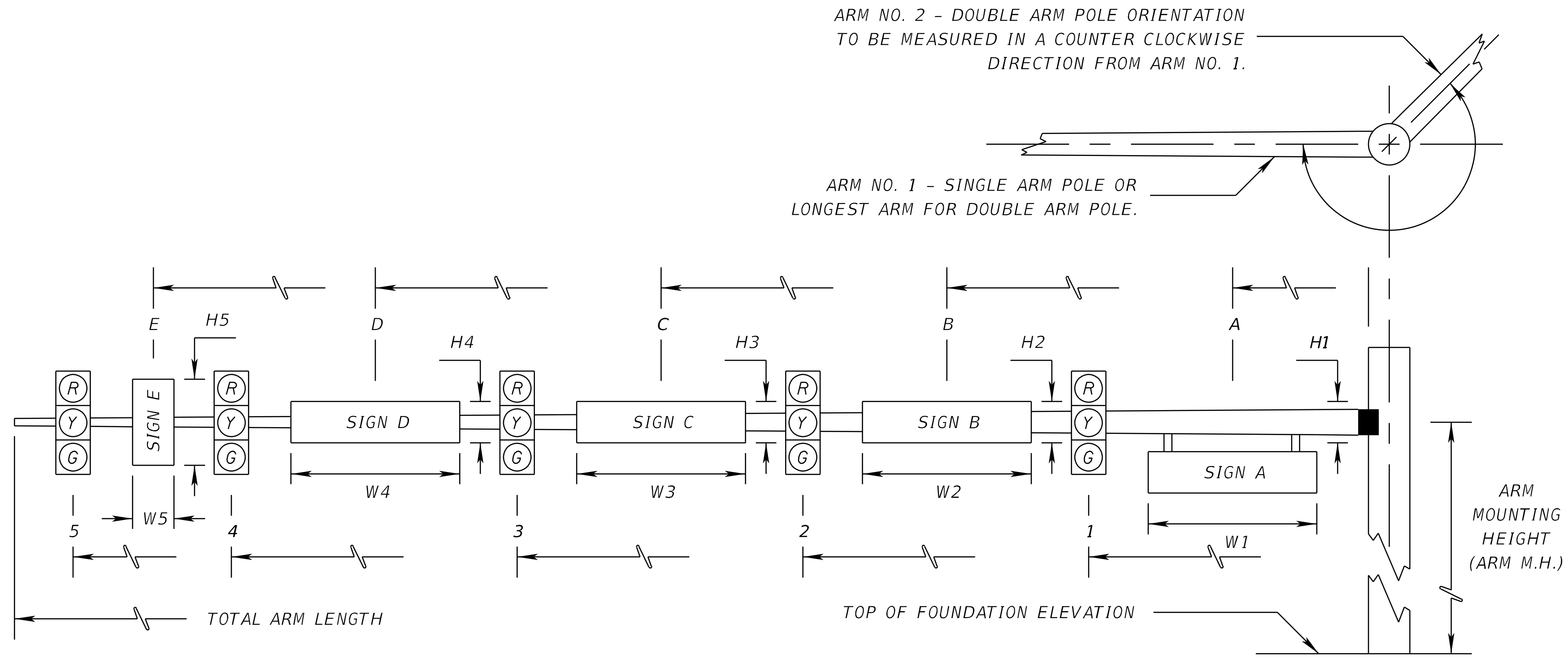
PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

STREET NAME SIGN WORKSHEET

SHEET NO.
T-7



* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION	TOP OF FOUND. ELEVATION	RDWY ARM NO.	CROWN ELEV.	LUMI-NAIRE Y/N	TERM. COMP. Y/N	SIGNAL DATA: SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	DISTANCE FROM POLE: 1	*	2	*	3	*	4	*	5	*	TOTAL ARM LENGTH	ARM M.H.	ANGLE BETWEEN DUAL ARMS 90/270	SIGN DATA: DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN: A	H1	W1	B	H2	W2	C	H3	W3	D	H4	W4	E	H5	W5	PAINT COLOR
1	T-5	07+86.86	120.20	1	121.17	N		V	Y	Y	40'	3	54'	3							60'	21.25'		18'	2'	8'													
		FUTURE LOADING																																					
1	T-5	07+86.86	120.20	1	121.17	N		V	Y	Y	32'	3	40'	3	54'	4					60'	21.25'		18'	2	8										47'	4'	4'	

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PHUC H. DUONG, P.E.
P.E. LICENSE NUMBER 63835
VIBE
6914 WEST LINEBAUGH AVENUE
TAMPA, FL 33625

SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

STANDARD MAST ARM TABULATION

SHEET NO. T-8

STANDARD MAST ARM ASSEMBLIES DATA TABLE

Table Date 11-01-16

STRUCTURE ID NUMBERS	POLE NUMBERS	DESIGNATION	FIRST ARM		SECOND ARM		UF (deg)	LL (deg)	POLE			DRILLED SHAFT ID
			ARM ID	FAA (ft.)	ARM ID	SAA (ft.)			POLE ID	UAA (ft.)	UB (ft.)	
	1	A60/S-P4/S-DS/14/5.0	A60/S	N/A	N/A	N/A	N/A	N/A	P4/S	24.25	21.25	DS/14/5.0

NOTES [NOTES DATE 11-01-16]:

1. IF AN ENTRY APPEARS IN COLUMN FAA, A SHORTER ARM IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE ARM TIP AND THE ARM LENGTH SHORTENED FROM FA TO FAA. SAA SIMILAR.

2. IF AN ENTRY APPEARS IN COLUMN UAA, A SHORTER POLE IS REQUIRED. THIS IS OBTAINED BY REMOVING LENGTH FROM THE POLE TIP AND THE POLE HEIGHT SHORTENED FROM UA TO UAA.

3. WORK THIS SHEET WITH THE SIGNAL DESIGNER'S "MAST ARM TABULATION". SEE "MAST ARM TABULATION" FOR SPECIAL INSTRUCTIONS THAT INCLUDE NON-STANDARD HANDHOLE LOCATION, PAINT COLOR, TERMINAL COMPARTMENT REQUIREMENT, AND PEDESTRIAN FEATURES.

4. WORK WITH INDEX 649-030 AND 649-031.

FOUNDATION DATA TABLE

STRUCTURE ID NUMBER	POLE NUMBER	SOIL TYPE	EFFECTIVE SOIL WEIGHT (PCF)	SOIL FRICTION ANGLE (DEGREES)	AVERAGE SPT N-VALUE
	1	SAND	48.0	32	15

FOUNDATION NOTES:

1. FOUNDATION DESIGN BASED ON DATA CONTAINED IN THE SIGNAL POLE BORINGS PREPARED BY FAULKNER ENGINEERING SERVICES, INC., AND SIGNED AND SEALED BY PAVAN KOLUKULA, P.E..

2. FOR SOIL ASSUMPTIONS AND VALUES USED IN DESIGN, SEE FOUNDATION DATA TABLE. WATER TABLE IS ASSUMED TO BE AT THE SOIL SURFACE.

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

Designed By : TC 07-23
Checked By : MSL 07-23

Drawn By : JML 07-23
Checked By : MSL 07-23

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNNY FUNG, P.E.
P.E. LICENSE NUMBER 64669
PATEL, GREENE & ASSOCIATES, LLC
12570 TELECOM DRIVE
TEMPLE TERRACE, FL 33637

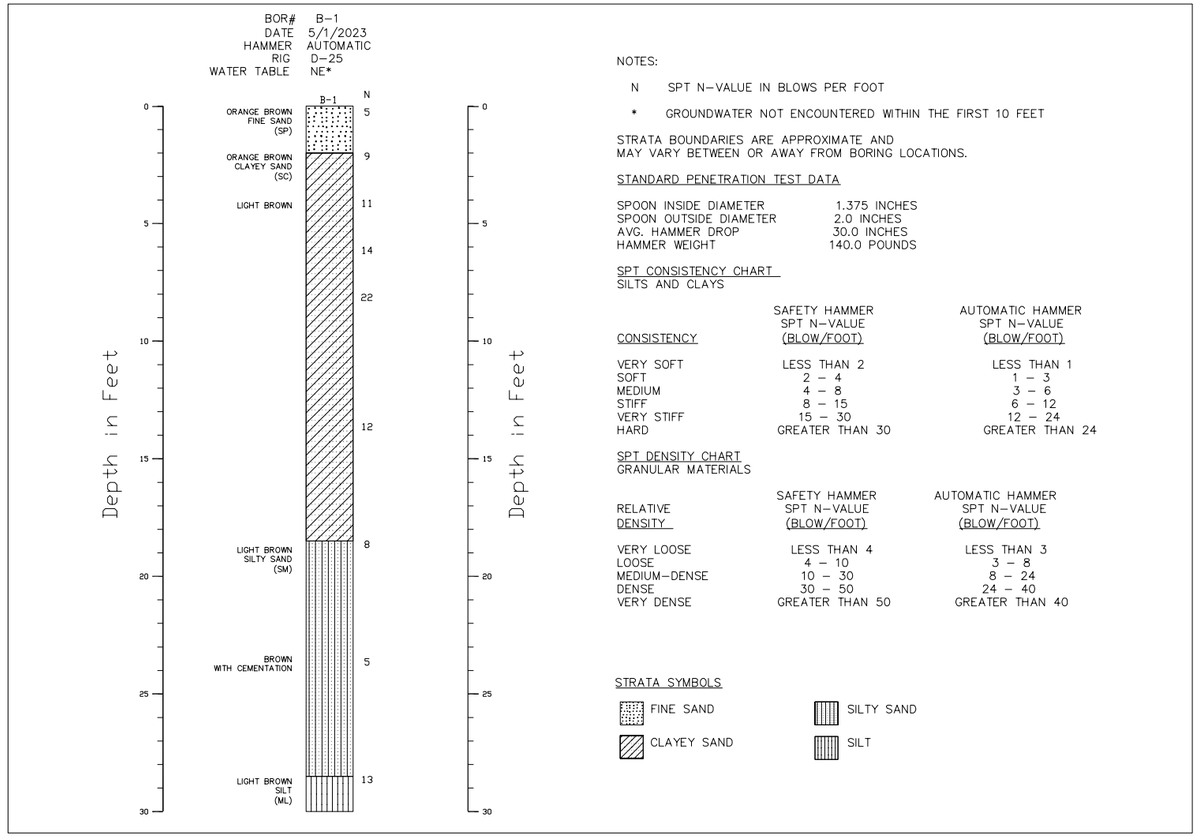
SADDLE CREEK RD AT TENOROC HIGH SCHOOL
TRAFFIC SIGNAL DESIGN

ROAD NO.	COUNTY	PROJECT NUMBER
	POLK	TBD

MAST ARM ASSEMBLIES DATA TABLES

SHEET NO. T-9

CORE BORING SHEET



NOTES:

N SPT N-VALUE IN BLOWS PER FOOT

* GROUNDWATER NOT ENCOUNTERED WITHIN THE FIRST 10 FEET

STRATA BOUNDARIES ARE APPROXIMATE AND MAY VARY BETWEEN OR AWAY FROM BORING LOCATIONS.

STANDARD PENETRATION TEST DATA

SPOON INSIDE DIAMETER	1.375 INCHES
SPOON OUTSIDE DIAMETER	2.0 INCHES
AVG. HAMMER DROP	30.0 INCHES
HAMMER WEIGHT	140.0 POUNDS

SPT CONSISTENCY CHART
SILTS AND CLAYS

CONSISTENCY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 – 4	1 – 3
MEDIUM	4 – 8	3 – 6
STIFF	8 – 15	6 – 12
VERY STIFF	15 – 30	12 – 24
HARD	GREATER THAN 30	GREATER THAN 24

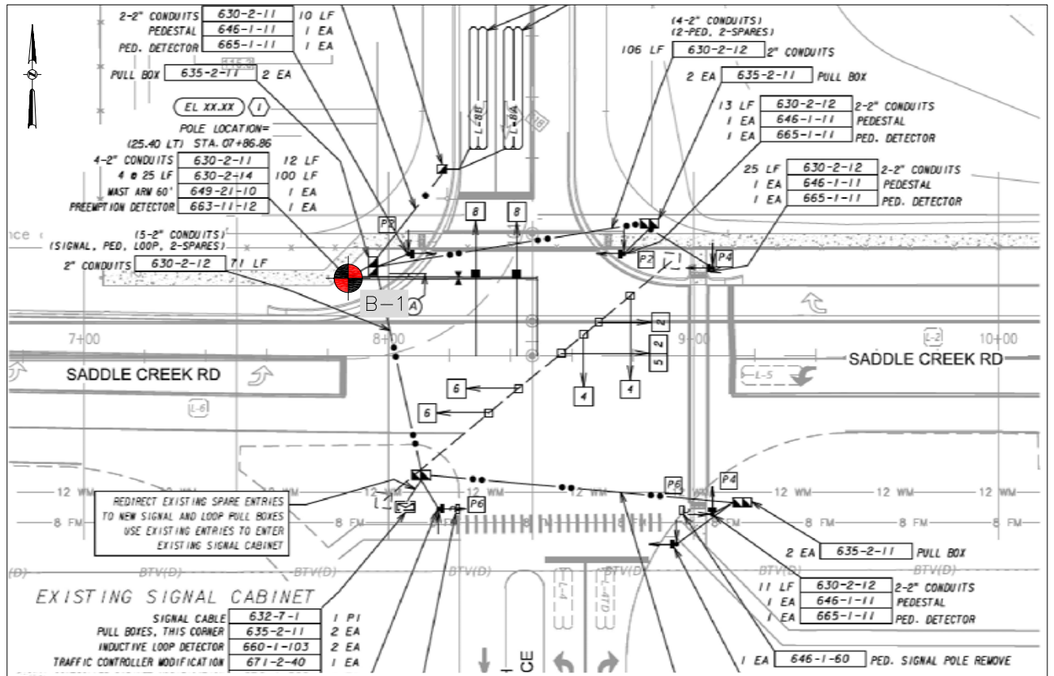
SPT DENSITY CHART
GRANULAR MATERIALS

RELATIVE DENSITY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 – 10	3 – 8
MEDIUM-DENSE	10 – 30	8 – 24
DENSE	30 – 50	24 – 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40

STRATA SYMBOLS

FINE SAND
CLAYEY SAND
SILTY SAND
SILT

BORING LOCATION PLAN



LEGEND

APPROXIMATE LOCATION OF SPT BORING

Drawing Scale:
1" = 50'

Note:
Basemap provided by VIBE Engineering

ESTIMATED SOIL PARAMETERS

BORING	Depth (feet, bgs)	Field SPT "N" Value	Auto Hammer Correction Factor	Corrected SPT "N" Value	USCS Classification	Saturated Unit Weight, γ_{sat} (pcf)	Submerged Unit Weight, γ' (pcf)	Cohesion, C (psf)	Friction Angle, ϕ (°)	Rankine's Earth Pressure Coefficients		
										At Rest (K_o)	Active (K_a)	Passive (K_p)
B-1	0 - 2	5	1.24	6	SP	105	43	0	30	0.50	0.33	3.00
	2 - 4	9	1.24	11	SC	110	48	0	31	0.48	0.32	3.12
	4 - 6	11	1.24	14	SC	110	48	0	32	0.47	0.31	3.25
	6 - 8	14	1.24	17	SC	110	48	0	32	0.47	0.31	3.25
	8 - 10	22	1.24	27	SC	115	53	0	35	0.43	0.27	3.69
	10 - 15	12	1.24	15	SC	110	48	0	32	0.47	0.31	3.25
	15 - 20	8	1.24	10	SM	105	43	0	31	0.48	0.32	3.12
	20 - 25	5	1.24	6	SM	105	43	0	30	0.50	0.33	3.00
	25 - 30	13	1.24	16	ML	105	43	2000	0	1.00	1.00	1.00

FAULKNER ENGINEERING SERVICES, LLC.
A UES Company
Geotechnical Engineers
Construction Material Testing
2734 Causeway Center Dr
Tampa, Florida 33619
PHONE: 813.621.8168
FAX: 813.621.8232
www.faulknereng.com

Saddle Creek Road and School Entrance Traffic Signalization

SCALE	DATE	JOB NO.
As Shown	05.15.23	23-5839
DRAWN: MR		
CHKD: PK		FIGURE 1

EXHIBIT D
Schedule of Work

Submittals:

- 3-4 weeks to get.

Estimated Material Timeline (dependent upon the material production):

- Lights are 24-26 weeks-out and mast arms are 18 weeks-out upon release of approved submittals. These timelines can fluctuate on a weekly basis.

Installation:

- Typical install would take approximately 4 weeks from when the mast arms are delivered to then complete step 4 in our Work Sequence below.

Signalization Work Sequence

1. Submittals & Procurement: Submit shop drawings and procure all materials.
2. Mobilization: Mobilize, complete utility locates and give required notices to Traffic Ops and Teco.
3. Underground Work: Install drilled-shaft mast arm foundation, pull boxes, conduit runs, etc., if layouts/elevations are marked and available
4. Poles & Equipment: Install new mast arm, install/replace signal heads and backplates.
5. Wiring & Controller: Complete intersection rewire, pull wiring, and set the controller.
6. Energize & Test: Energize service with Lakeland Electric, check out the intersection, turn the signal on, and test detections.
7. Closeout: Inspection, demobilize, and submit as-built plans.

EXHIBIT E
Addendum No. 1

POTENTIALLY TIME AND PRICE-IMPACTED MATERIALS

This Addendum No. 1 to the Agreement made this 24th day of August 2026 is made contemporaneous with and supplements the Agreement dated 24th day of August 2026 between

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT (OWNER)

and

MONTOYA ELECTRIC SERVICE, INC. (CONTRACTOR)

for the following: traffic lighting and signalization services (the “Services”).

Terms used in this Addendum, unless otherwise defined, shall have the same meaning as defined in the Agreement.

1. POTENTIALLY TIME AND PRICE-IMPACTED MATERIAL. As of the date of this Amendment, certain markets providing essential materials to the Services are experiencing or are expected to experience significant, industry-wide economic fluctuation during the performance of this Agreement that may impact price, availability and delivery time frames ("Potentially Time and Price-Impacted Material"). This Amendment provides for a fair allocation of the risk of such market conditions between the Owner and the Contractor and shall only apply to the Potentially Time and Price-Impacted Material(s) listed in Schedule A to this Amendment.

2. BASELINE PRICE AND TIME. Owner and Contractor shall agree upon a method for establishing the market price as of the date of this Amendment ("Baseline Price") and the method for calculating an adjustment in the pricing for a Potentially Time and Price-Impacted Material listed in Schedule A to this Amendment.

2.1. Compensation for any Potentially Time and Price-Impacted Material shall not be duplicated in any contingency amounts established under the terms of the Agreement.

3. ADJUSTMENT IN BASELINE PRICE. If during the course of the Services a Potentially Time and Price-Impacted Material item experiences an increase or decrease in its Baseline Price, either Party may notify the other in writing within ten (10) days from the date the basis for an equitable adjustment to the Contract Price arises and shall provide appropriate documentation substantiating such adjustment. An adjustment in the pricing for a Potentially Time and Price-Impacted Material shall not include any amount for markup, including overhead and profit.

3.1. In the event of a decrease in a Baseline Price, the Contract Price shall be equitably adjusted to reflect such decrease, subject to section 3.3 of this Amendment, but only for those Potentially Time and Price-Impacted Materials delivered on or after the date on which written notice of the adjustment in Baseline Price is given.

3.2. In the event of an increase in a Baseline Price, the Contract Price shall be equitably adjusted to reflect such increase, subject to section 3.3 of this Amendment, but only for those Potentially Time and Price-Impacted Materials delivered on or after the date on which written notice of the adjustment in Baseline Price is given.

3.3. The Contract Price shall not be adjusted by more than Five Percent of the original Contract Price for the aggregate of the increases or decreases in Baseline Prices for Potentially Time and Price-Impacted Materials.

3.4. No adjustment shall be made for any quantities of Potentially Time and Price-Impacted Materials scheduled for delivery under the terms of the Agreement prior to the date on which written notice of the

adjustment in Baseline Price is given, unless the failure to deliver such quantities before that date is the fault of the Owner and is documented as such.

3.5. Payment, if any, for an adjustment shall be made in accordance with the terms of the Agreement.

4. TIME-IMPACT AND AVAILABILITY If the Contractor is delayed at any time in the commencement or progress of the Services due to a delay in the delivery of, or unavailability of, a Potentially Time and Price-Impacted Material, beyond the control of and without any fault attributable to the Contractor, its Subcontractors and Material Suppliers, the Contractor shall be entitled to an equitable extension of the Contract Time and an equitable adjustment of the Contract Price in accordance with the Agreement. The Owner and Contractor shall undertake reasonable steps to mitigate the effect of such delays. Such steps shall include the expedited Shop Drawings submittal and response Milestone Dates set forth in the Agreement, immediate order of materials, and Owner direct purchase of materials, among other mitigation strategies.

OWNER: SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By _____, as chairperson

CONTRACTOR: MONTOYA ELECTRIC SERVICE, INC.

By: _____

END OF DOCUMENT.

SCHEDULE A TO ADDENDUM NO. 1

POTENTIALLY TIME AND PRICE-IMPACTED MATERIALS

Potentially Time and Price-Impacted Materials should be identified and described with specificity. The methods for establishing the Baseline Price for a Potentially Time and Price-Impacted Material should be based upon an objective standard and include: 1) established market or catalog prices; 2) actual material costs; 3) material costs indices; and, 4) such other mutually agreed upon method. Pricing based on material costs indices must identify the index category or subcategory that most accurately reflects the Potentially Time and Price-Impacted Material specified. Such Price-Impacted Materials must exceed the schedule of values line item by over 10% to be entitled to a Price adjustment. Further, submittal of at least two material supplier quotes for the same quantity and materials must accompany any request for a Price adjustment pursuant to this Amendment. Requests for Time based on unavailability of materials must be supported with milestone dates for delivery of materials in original bid and must be deemed reasonable with supporting affidavits by materials supplier.

1. Potentially Time and Price-Impacted Material:MAST ARM COMBINATION, 60' [A60/S-P4/S] - 126 Days

   Baseline Price: $33,900.00 / each (unit) as established by Contractor's schedule of values (unless such line item was deemed unreasonable based on current pricing indexes and then such Baseline Price per unit shall be based on pricing index as of the date of bid opening).

   Pricing Method: Supplier quote / actual cost

2. Potentially Time and Price-Impacted Material:LIGHT POLE COMPLETE, 30' MH w/ 8' Arm - 168 Days
   Baseline Price: $3,335 / each (unit) as established by Contractor's schedule of values (unless such line item was deemed unreasonable based on current pricing indexes and then such Baseline Price per unit shall be based on pricing index as of the date of bid opening).

   Pricing Method: Supplier quote / actual cost

3. Potentially Time and Price-Impacted Material: LIGHT POLE COMPLETE, 30' MH w/ 12' Arm - 168 Days
   Baseline Price: $3,425 / each (unit) as established by Contractor's schedule of values (unless such line item was deemed unreasonable based on current pricing indexes and then such Baseline Price per unit shall be based on pricing index as of the date of bid opening).

   Pricing Method: Supplier quote / actual cost

4. Potentially Time and Price-Impacted Material:
   Baseline Price: (unit) as established by Contractor's schedule of values (unless such line item was deemed unreasonable based on current pricing indexes and then such Baseline Price per unit shall be based on pricing index as of the date of bid opening).

   Pricing Method:

(Attach additional sheets as necessary)

SECTION 8

Docusign Envelope ID: 1C716711-8B31-8AF8-829D-0778496404C5

AGREEMENT BETWEEN SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT AND LEADING EDGE LAND SERVICES, INC.

LEADING EDGE LAND SERVICES

8802 Exchange Drive
Orlando, Florida 32809
Phone: (407) 351-6730
Fax: (407) 351-9691
www.LeadingEdgeLS.com

PROPOSAL / AGREEMENT

DATE QUOTED: 8/26/2026

CLIENT NAME:	Montoya Electric	CONTACT NAME:	Jim Burns
STREET ADDRESS 1:	219 E. Livingston Street	TELEPHONE:	
STREET ADDRESS 2:		☐ FAX:	
CITY, STATE, ZIP:	Orlando, Florida 32801	MOBILE:	
☒ EMAIL ADDRESS:	dan.friddle@montoyaelectric.com	LELSI #:	0000-26000-18354

I. JOB SITE LOCATION:

Saddle Creek Rd at Tenoroc High School

II. DESCRIPTION OF PROFESSIONAL SERVICES:

SIGNALIZATION LAYOUT: **LUMP SUM $1,820.00**

Leading Edge will provide Signalization Layout based off Contract Plans "Saddle Creek Rd at Tenoroc High School Traffic Signal Design" dated 8/8/2023. Layout will include staking mast arm bases and alignment, as well as staking pedestrian crossing poles.

SIGNALIZATION AS-BUILT SURVEY: **LUMP SUM $1,455.00**

Leading Edge will provide Signalization As-Builts based off Contract Plans "Saddle Creek Rd at Tenoroc High School Traffic Signal Design" dated 8/8/2023

III. COST OF SERVICES $3,275.00 ☒ LUMP SUM ☐ ESTIMATE *(see #7 on terms listed)*

IV. PROPOSAL BY COMPANY

We hereby propose to perform the above-described services at the indicated fee according to the terms that are included and made a part of this proposal.

Leading Edge Land Services, Inc.

Jerome L Youderian Digitally signed by Jerome L Youderian Date: 2026.08.26 12:24:11-04'00'

Signature | J.L. Youderian E.V.P./ P.S.M. | 08/26/2026 Date

V. ACCEPTANCE BY CLIENT

I / We hereby authorize Leading Edge Land Services, Inc. to perform the services as outlined above and accept the terms listed. Please sign and return one (1) copy to our office.

Signature | Print (Name & Title) | Date

Docusign Envelope ID: 1C716711-8B31-8AF8-829D-0778496404C5

ADDENDUM TO AGREEMENT BETWEEN
SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT AND
LEADING EDGE LAND SERVICES, INC.

Agreement: Proposal dated August 26, 2026 ("**Agreement**")
Contractor: Leading Edge Land Services, Inc., a Florida corporation ("**Contractor**")
District: Schaller Preserve Community Development District ("**District**")
Services: Survey services, as described in the Agreement ("**Services**")

The following provisions govern the agreement referenced above:

1. Effective Date. The Agreement shall be deemed effective as of the date of the full execution of this Addendum.

2. Duties.

    a. Contractor agrees, as an independent contractor, to undertake the Services described in the Agreement in a neat and professional manner reasonably acceptable to the District, in accordance with industry standards, and in accordance with all applicable federal, state, and local laws, regulations, and ordinances.

    b. Contractor shall use reasonable care in performing the Services and shall be responsible for any harm of any kind to persons or property resulting from Contractor's actions or inactions. Contractor agrees to commence repair of any damage resulting from Contractor's activities and work within twenty-four (24) hours and to complete such repairs within a reasonable time thereafter, as agreed upon by the District.

    c. Contractor agrees to notify the District prior to performing any work subject to any price increases, and to proceed with the work only upon written consent from the District.

    d. Contractor warrants to the District that all materials furnished under the Agreement shall be new, and that all Services and materials shall be of good quality, free from faults and defects, and will conform to the standards and practices for projects of similar design and complexity in an expeditious and economical manner consistent with the best interest of the District. In addition to all manufacturer warranties for materials purchased for purposes of this Agreement, all Services provided by Contractor pursuant to this Agreement shall be warranted for one (1) year from the date of acceptance of the Services by the District. In performing its obligations under this Agreement, Contractor and each of its agents, servants, employees, or anyone directly or indirectly employed by Contractor, shall perform all Services with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. Any designs, drawings, reports, or specifications prepared or furnished by Contractor that contain errors,

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conflicts or omissions will be promptly corrected by Contractor at no cost to the District.

e. All permits or licenses necessary for Contractor to perform under the Agreement shall be obtained and paid for by Contractor.

3. Compensation. In exchange for completing the Services as identified in the Agreement, and upon final completion and approval by the District of the Services, the District agrees to pay Contractor the not to exceed amount of **Three Thousand, Two Hundred Seventy-Five Dollars and Zero Cents ($3,275.00)**. This compensation includes all parts, materials, permits, and labor necessary to complete the Services as described in the Agreement and this Addendum. Contractor shall maintain records conforming to usual accounting practices. Further, Contractor agrees to render invoices to the District, in writing, which shall be delivered or mailed to the District. These invoices are due and payable in accordance with Florida's Prompt Payment Act, sections 218.70 et seq. of the Florida Statutes. Each invoice shall include such supporting information as the District may reasonably require Contractor to provide.

4. Work Product.

a. All rights in and title to all plans, drawings, specifications, ideas, concepts, designs, sketches, models, programs, software, creation, inventions, reports, or other tangible work product originally developed by Contractor pursuant to the Agreement (the "**Work Product**") shall be and remain the sole and exclusive property of the District when developed and shall be considered work for hire.

b. Contractor will deliver all Work Product to the District upon completion thereof. Upon early termination of Contractor's Services hereunder, Contractor will deliver all such Work Product whether complete or not. The District will have all rights to use any and all Work Product for its intended use. Contractor shall retain copies of the Work Product for its permanent records, provided the Work Product is not used without the District's prior express written consent.

c. The District exclusively retains all manufacturing rights to all materials or designs developed under the Agreement. To the extent the Services performed under the Agreement produce or include copyrightable or patentable materials or designs, such materials or designs are work made for hire for the District as the author, creator, or inventor thereof upon creation, and the District shall have all rights therein including, without limitation, the right of reproduction, with respect to such work. Contractor hereby assigns to the District any and all rights Contractor may have included, without limitation, the copyright, with respect to such work. Contractor acknowledges that the District is the motivating factor for, and for the purpose of copyright or patent, has the right to direct and supervise the preparation of such copyrightable or patentable materials or designs.

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d. All documents including drawings and specifications furnished by Contractor pursuant to this Agreement are instruments of service. They are not intended or represented to be suitable for reuse by the District or others on extensions of the work for which they were provided or on any other project. Any reuse without specific written consent by Contractor will be at the District's sole risk and without liability or legal exposure to Contractor. All documents including drawings, plans and specifications furnished by Contractor to the District are subject to reuse in accordance with Section 287.055(10), *Florida Statutes*.

5. Additional Work. Should the District desire that Contractor provide additional work and/or services, such additional work and/or services shall be fully performed by Contractor after the District's prior approval of a required change order. Contractor agrees that the District shall not be liable for the payment of any additional work and/or services, unless the District first authorizes Contractor to perform such additional work and/or services through an authorized and fully executed change order.

6. Termination. The Agreement may be terminated immediately by the District for cause, or upon thirty (30) days' written notice by either party for any or no reason, provided however that any termination by Contractor shall only be effective after providing the District with a reasonable opportunity to cure any default. Contractor shall not be entitled to lost profits or any other damages of any kind resulting from any termination by the District, provided however that Contractor shall be entitled to payment for any Services provided through the effective date of termination, subject to whatever claims or off sets the District may have against Contractor.

7. Insurance.

a. Contractor, and any subcontractor performing the Services described in the Agreement, shall maintain throughout the term of the Agreement the following insurance:

Workers' Compensation	Statutory
General Liability	
Bodily Injury (including contractual)	$1,000,000/$2,000,000
Property Damage (including contractual)	$1,000,000/$2,000,000
Automobile Liability	Combined Single Limit $1,000,000 Bodily Injury / Property Damage
Professional Liability for Errors and Omissions	$1,000,000

b. The District and its officers, supervisors, agents, managers, counsel, engineers, staff and representatives (together, "**Additional Insureds**") shall be named as additional insured parties on the Commercial General Liability and Automobile Liability policies. Contractor shall furnish the District with a Certificate of Insurance

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evidencing compliance with this requirement prior to commencing the Services. No certificate shall be acceptable to the District unless it provides that any change or termination within the policy periods of the insurance coverage, as certified, shall not be effective within thirty (30) days of prior written notice to the District. Insurance coverage shall be from a reputable insurance carrier, licensed to conduct business in the State of Florida, shall be considered primary and non-contributory with respect to the Additional Insureds, and shall be endorsed to provide for a waiver of underwriter's rights of subrogation in favor of the Additional Insureds.

c. If Contractor fails to have secured and maintained the required insurance, the District has the right (without any obligation to do so, however), to secure such required insurance in which event, Contractor shall pay the cost for that required insurance and shall furnish, upon demand, all information that may be required in connection with the District's obtaining the required insurance.

8. Indemnification.

a. To the fullest extent permitted by law, and in addition to any other obligations of Contractor under the Agreement or otherwise, Contractor shall indemnify, hold harmless, and defend the District and its officers, supervisors, agents, managers, counsel, engineers, staff and representatives (together, "**Indemnitees**"), from all claims, liabilities, damages, losses and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused, in part or in whole, by (i) the negligent, reckless, or intentionally wrongful misconduct of Contractor, or any employee, agent, subcontractor, or any individual or entity directly or indirectly employed or used by any of them to perform any of the work, (ii) Contractor's performance of, or failure to perform, Contractor's obligations pursuant to the Agreement or any services or Contractor's performance of any activities in connection therewith, and (iii) any breach of any warranty, representation, covenant, or agreement made by Contractor in the Agreement or any services.

b. Obligations under this section shall include the payment of all settlements, judgments, damages, liquidated damages, penalties, forfeitures, back pay awards, court costs, arbitration and/or mediation costs, litigation expenses, attorneys' fees, paralegal fees (incurred in court, out of court, on appeal, or in bankruptcy proceedings), and any interest, expenses, damages, penalties, fines, or judgments against the District. Nothing in the Agreement is intended to waive or alter any other remedies that the District may have as against Contractor. The provisions of this Section 8 are independent of, and will not be limited by, any insurance required to be obtained by Contractor pursuant to the Agreement or otherwise obtained by Contractor, and the provisions of this Section 8 survive the expiration or earlier termination of the Agreement with respect to any claims or liability arising in connection with any event occurring prior to such expiration or termination.

9. Limitations on Governmental Liability. Contractor further agrees that nothing in the Agreement between the parties shall constitute or be construed as a waiver of the District's

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sovereign immunity or limitations on liability contained in section 768.28, *Florida Statutes*, or other statute, and nothing in the Agreement shall inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under such limitations of liability or by operation of law.

10. Public Records. Contractor understands and agrees that all documents of any kind provided to the District in connection with the Agreement may be public records, and, accordingly, Contractor agrees to comply with all applicable provisions of Florida law in handling such records, including but not limited to section 119.0701, *Florida Statutes*. Contractor acknowledges that the designated public records custodian for the District is **Jill Burns** ("**Public Records Custodian**"). Among other requirements and to the extent applicable by law, Contractor shall 1) keep and maintain public records required by the District to perform the work; 2) upon request by the Public Records Custodian, provide the District with the requested public records or allow the records to be inspected or copied within a reasonable time period at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes*; 3) ensure that public records which are exempt or confidential, and exempt from public records disclosure requirements, are not disclosed except as authorized by law for the duration of the Agreement's term and following the Agreement term if Contractor does not transfer the records to the Public Records Custodian of the District; and 4) upon completion of the Agreement, transfer to the District, at no cost, all public records in Contractor's possession or, alternatively, keep, maintain and meet all applicable requirements for retaining public records pursuant to Florida laws. When such public records are transferred by Contractor, Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the District in a format that is compatible with Microsoft Word or Adobe PDF formats.

IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, *FLORIDA STATUTES*, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (407) 841-5524, JBURNS@GMSCFL.COM, OR 219 EAST LIVINGSTON STREET, ORLANDO, FLORIDA 32801.

11. Amendments. Amendments to and waivers of the provisions contained in the Agreement may be made only by an instrument in writing executed by both parties hereto.

12. Assignment. Neither the District nor Contractor may assign the Agreement or any monies to become due hereunder without the prior written approval of the other.

13. Liens and Claims. Contractor shall promptly and properly pay for all labor employed, materials purchased, and equipment hired by it to perform under the Agreement. Contractor shall keep the District's property free from any materialmen's or mechanic's liens and claims or notices in respect to such liens and claims, which arise by reason of Contractor's

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performance under the Agreement, and Contractor shall immediately discharge any such claim or lien. In the event that Contractor does not pay or satisfy such claim or lien within three (3) business days after the filing of notice thereof, the District, in addition to any and all other remedies available under the Agreement, may terminate the Agreement to be effective immediately upon the giving of notice of termination.

14. Compliance with Governmental Regulation. Contractor shall keep, observe, and perform all requirements of applicable local, state, and federal laws, rules, regulations, or ordinances. If Contractor fails to notify the District in writing within five (5) days of the receipt of any notice, order, request to comply notice, or a report of a violation or an alleged violation, made by any local, state, or federal governmental body or agency or subdivision thereof with respect to the work being rendered under this Agreement or any action of Contractor or any of its agents, servants, employees, or materialmen, or with respect to terms, wages, hours, conditions of employment, safety appliances, or any other requirements applicable to provision of work, or fails to comply with any requirement of such agency within five (5) days after receipt of any such notice, order, request to comply notice, or report of a violation or an alleged violation, the District may terminate this Agreement, such termination to be effective immediately upon the giving of notice of termination.

15. Controlling Law and Venue. In the event that either party is required to enforce the Agreement, as amended by this Addendum, by court proceedings or otherwise, then the parties agree that the prevailing party shall be entitled to recover from the other all fees and costs incurred, including reasonable attorneys' fees and costs for trial, alternative dispute resolution, or appellate proceedings. The Agreement, as amended, and the provisions contained in the Agreement and this Addendum shall be construed, interpreted, and controlled according to the laws of the State of Florida. Venue for any legal actions regarding the Agreement or this Addendum shall be Polk County, Florida.

16. E-Verify. Contractor shall comply with and perform all applicable provisions of section 448.095, *Florida Statutes*. Accordingly, to the extent required by Florida Statute, Contractor shall register with and use the United States Department of Homeland Security's E-Verify system to verify the work authorization status of all newly hired employees. The District may terminate the Agreement immediately for cause if there is a good faith belief that Contractor has knowingly violated section 448.09(1), *Florida Statutes*. By entering into the Agreement, Contractor represents that no public employer has terminated a contract with Contractor under section 448.095(5)(c), *Florida Statutes*, within the year immediately preceding the date of the Agreement.

17. Scrutinized Companies Statement. In accordance with section 287.135, *Florida Statutes*, Contractor represents that in entering into the Agreement, neither it nor any of its officers, directors, executives, partners, shareholders, members, or agents is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in Iran Terrorism Sectors List, or the Scrutinized Companies or Other Entities that Boycott Israel List created pursuant to sections 215.4725 and 215.473, *Florida Statutes*, and in the event such status changes, Contractor shall immediately notify the District. If Contractor is found

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to have submitted a false statement, has been placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in Iran Terrorism Sectors List, or has been engaged in business operations in Cuba or Syria, or is now or in the future on the Scrutinized Companies or Other Entities that Boycott Israel List, or engaged in a boycott of Israel, the District may immediately terminate the Agreement.

18. Authorization. The execution of the Agreement and this Addendum has been duly authorized by the appropriate body or official of the parties, the parties have complied with all the requirements of law, and the parties have full power and authority to comply with the terms and provisions of the Agreement and this Addendum.

19. Anti-Human Trafficking Requirements. Contractor certifies, by acceptance of the Agreement, that neither it nor its principals utilize coercion for labor or services as defined in section 787.06, *Florida Statutes*. Contractor agrees to execute an affidavit, in a form acceptable to the District, in compliance with section 787.06(14), *Florida Statutes*.

20. Addendum Controls. The Agreement, as amended by this Addendum, shall constitute the final and complete expression of the agreement between the parties relating to the subject matter of the Agreement. To the extent any of the provisions of this Addendum are in conflict with the provisions of the Agreement, this Addendum controls.

21. Individual Liability. UNDER THE AGREEMENT, AND SUBJECT TO THE REQUIREMENTS OF SECTION 558.0035, *FLORIDA STATUTES*, WHICH REQUIREMENTS ARE EXPRESSLY INCORPORATED HEREIN, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

[*Signatures on following page.*]

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[Signature page to Addendum to Agreement between Schaller Preserve Community Development District and Leading Edge Land Services, Inc.]

LEADING EDGE LAND SERVICES, INC.

Signed by:
JL Youderian
155361A20A39402...

By: JL Youderian
Its: EVP
Date: 2026-09-02

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

DocuSigned by:
Scott Shapiro
E20F905D8C5D410...

Chairperson, Board of Supervisors

Date: 2026-09-02

SECTION 9

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Grau & Associates
CERTIFIED PUBLIC ACCOUNTANTS

1001 Yamato Road ▪ Suite 301
Boca Raton, Florida 33431
(561) 994-9299 ▪ (800) 299-4728
Fax (561) 994-5823
www.graucpa.com

July 29, 2026

Board of Supervisors
Schaller Preserve Community Development District
219 East Livingston Street
Orlando, FL 32801

We are pleased to confirm our understanding of the services we are to provide Schaller Preserve Community Development District, Polk County, Florida ("the District") for the fiscal year ended September 30, 2026. We will audit the financial statements of the governmental activities and each major fund, including the related notes to the financial statements, which collectively comprise the basic financial statements of Schaller Preserve Community Development District as of and for the fiscal year ended September 30, 2026. In addition, we will examine the District's compliance with the requirements of Section 218.415 Florida Statutes. This letter serves to renew our agreement and establish the terms and fee for the 2026 audit.

Accounting principles generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement the District's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the District's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

The following RSI is required by generally accepted accounting principles and will be subjected to certain limited procedures, but will not be audited:

1) Management's Discussion and Analysis

2) Budgetary comparison schedule

The following other information accompanying the financial statements will not be subjected to the auditing procedures applied in our audit of the financial statements, and our auditor's report will not provide an opinion or any assurance on that information:

1) Compliance with FL Statute 218.39 (3) (c)

Audit Objectives

The objective of our audit is the expression of opinions as to whether your financial statements are fairly presented, in all material respects, in conformity with U.S. generally accepted accounting principles and to report on the fairness of the supplementary information referred to in the second paragraph when considered in relation to the financial statements as a whole. Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America and the standards for financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, and will include tests of the accounting records of the District and other procedures we consider necessary to enable us to express such opinions. We will issue a written report upon completion of our audit of the District's financial statements. We cannot provide assurance that an unmodified opinion will be expressed. Circumstances may arise in which it is necessary for us to modify our opinion or add emphasis-of-matter or other-matter paragraphs. If our opinion on the financial statements is other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed an opinion, we may decline to express an opinion or issue a report, or may withdraw from this engagement.

We will also provide a report (that does not include an opinion) on internal control related to the financial statements and compliance with the provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a material effect on the financial statements as required by *Government Auditing Standards*. The report on internal control and on compliance and other matters will include a paragraph that states (1) that the purpose of the report is solely to describe the scope of testing of internal control and compliance, and the results of that testing, and not to provide an opinion on the effectiveness of the District's internal control on compliance, and (2) that the report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control and compliance. The paragraph will also state that the report is not suitable for any other purpose. If during our audit we become aware that the District is subject to an audit requirement that is not encompassed in the terms of this engagement, we will communicate to management and those charged with governance that an audit in accordance with U.S. generally accepted auditing standards and the standards for financial audits contained in *Government Auditing Standards* may not satisfy the relevant legal, regulatory, or contractual requirements.

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We will also issue a management letter as required by Chapter 10.550, Rules of the Auditor General of the State of Florida. As part of our audit, we will apply financial condition assessment procedures pursuant to Section 218.39(5), Florida Statutes, and Rule 10.556(8), Rules of the Auditor General, and will report, as applicable, whether the District met any of the conditions described in Section 218.503(1), Florida Statutes.

Examination Objective

The objective of our examination is the expression of an opinion as to whether the District is in compliance with Florida Statute 218.415 in accordance with Rule 10.556(10) of the Auditor General of the State of Florida. Our examination will be conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and will include tests of your records and other procedures we consider necessary to enable us to express such an opinion. We will issue a written report upon completion of our examination of the District's compliance. The report will include a statement that the report is intended solely for the information and use of management, those charged with governance, and the Florida Auditor General, and is not intended to be and should not be used by anyone other than these specified parties. We cannot provide assurance that an unmodified opinion will be expressed. Circumstances may arise in which it is necessary for us to modify our opinion or add emphasis-of-matter or other-matter paragraphs. If our opinion on the District's compliance is other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the examination or are unable to form or have not formed an opinion, we may decline to express an opinion or issue a report, or may withdraw from this engagement.

Other Services

We will assist in preparing the financial statements and related notes of the District in conformity with U.S. generally accepted accounting principles based on information provided by you. These nonaudit services do not constitute an audit under *Government Auditing Standards* and such services will not be conducted in accordance with *Government Auditing Standards*. The other services are limited to the financial statement services previously defined. We, in our sole professional judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

Management Responsibilities

Management is responsible for compliance with Florida Statute 218.415 and will provide us with the information required for the examination. The accuracy and completeness of such information is also management's responsibility. You agree to assume all management responsibilities relating to the financial statements and related notes and any other nonaudit services we provide. You will be required to acknowledge in the management representation letter our assistance with preparation of the financial statements and related notes and that you have reviewed and approved the financial statements and related notes prior to their issuance and have accepted responsibility for them. In addition, you will be required to make certain representations regarding compliance with Florida Statute 218.415 in the management representation letter. Further, you agree to oversee the nonaudit services by designating an individual, preferably from senior management, who possesses suitable skill, knowledge, or experience; evaluate the adequacy and results of those services; and accept responsibility for them.

Management is responsible for designing, implementing and maintaining effective internal controls, including evaluating and monitoring ongoing activities, to help ensure that appropriate goals and objectives are met; following laws and regulations; and ensuring that management and financial information is reliable and properly reported. Management is also responsible for implementing systems designed to achieve compliance with applicable laws, regulations, contracts, and grant agreements. You are also responsible for the selection and application of accounting principles, for the preparation and fair presentation of the financial statements and all accompanying information in conformity with U.S. generally accepted accounting principles, and for compliance with applicable laws and regulations and the provisions of contracts and grant agreements.

Management is also responsible for making all financial records and related information available to us and for the accuracy and completeness of that information. You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, (2) additional information that we may request for the purpose of the audit, and (3) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence.

Your responsibilities include adjusting the financial statements to correct material misstatements and for confirming to us in the written representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws, regulations, contracts, agreements, and grants and for taking timely and appropriate steps to remedy fraud and noncompliance with provisions of laws, regulations, contracts or grant agreements, or abuse that we report.

Management is responsible for establishing and maintaining a process for tracking the status of audit findings and recommendations. Management is also responsible for identifying and providing report copies of previous financial audits, attestation engagements, performance audits or other studies related to the objectives discussed in the Audit Objectives section of this letter. This responsibility includes relaying to us corrective actions taken to address significant findings and recommendations resulting from those audits, attestation engagements, performance audits, or other studies. You are also responsible for providing management's views on our current findings, conclusions, and recommendations, as well as your planned corrective actions, for the report, and for the timing and format for providing that information.

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With regard to the electronic dissemination of audited financial statements, including financial statements published electronically on your website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

Audit Procedures—General

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We will plan and perform the audit to obtain reasonable rather than absolute assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the government or to acts by management or employees acting on behalf of the government. Because the determination of abuse is subjective, *Government Auditing Standards* do not expect auditors to provide reasonable assurance of detecting abuse.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is a risk that material misstatements may exist and not be detected by us, even though the audit is properly planned and performed in accordance with U.S. generally accepted auditing standards and *Government Auditing Standards*. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. Our responsibility as auditors is limited to the period covered by our audit and does not extend to later periods for which we are not engaged as auditors.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors, and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will require certain written representations from you about your responsibilities for the financial statements; compliance with laws, regulations, contracts, and grant agreements; and other responsibilities required by generally accepted auditing standards.

Audit Procedures—Internal Control

Our audit will include obtaining an understanding of the government and its environment, including internal control, sufficient to assess the risks of material misstatement of the financial statements and to design the nature, timing, and extent of further audit procedures. Tests of controls may be performed to test the effectiveness of certain controls that we consider relevant to preventing and detecting errors and fraud that are material to the financial statements and to preventing and detecting misstatements resulting from illegal acts and other noncompliance matters that have a direct and material effect on the financial statements. Our tests, if performed, will be less in scope than would be necessary to render an opinion on internal control and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to *Government Auditing Standards*.

An audit is not designed to provide assurance on internal control or to identify significant deficiencies or material weaknesses. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards and *Government Auditing Standards.*

Audit Procedures—Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of the District's compliance with the provisions of applicable laws, regulations, contracts, agreements, and grants. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion in our report on compliance issued pursuant to *Government Auditing Standards*.

Engagement Administration, Fees, and Other

We understand that your employees will prepare all cash or other confirmations we request and will locate any documents selected by us for testing.

The audit documentation for this engagement is the property of Grau & Associates and constitutes confidential information. However, subject to applicable laws and regulations, audit documentation and appropriate individuals will be made available upon request and in a timely manner to a cognizant or oversight agency or its designee, a federal agency providing direct or indirect funding, or the U.S. Government Accountability Office for purposes of a quality review of the audit, to resolve audit findings, or to carry out oversight responsibilities. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of Grau & Associates personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies. Notwithstanding the foregoing, the parties acknowledge that various documents reviewed or produced during the conduct of the audit may be public records under Florida law. The District agrees to notify Grau & Associates of any public record request it receives that involves audit documentation.

Furthermore, Grau & Associates agrees to comply with all applicable provisions of Florida law in handling such records, including but not limited to Section 119.0701, Florida Statutes. Auditor acknowledges that the designated public records custodian for the District is the District Manager ("Public Records Custodian"). Among other requirements and to the extent applicable by law, Grau & Associates shall 1) keep and maintain public records required by the District to perform the service; 2) upon request by the Public Records Custodian, provide the District with the requested public records or allow the records to be inspected or copied within a reasonable time period at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes; 3) ensure that public records which are exempt or confidential, and exempt from public records disclosure requirements, are not disclosed except as authorized by law for the duration of the contract term and following the contract term if Auditor does not transfer the records to the Public Records Custodian of the District; and 4) upon completion of the contract, transfer to the District, at no cost, all public records in Grau & Associate's possession

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or, alternatively, keep, maintain and meet all applicable requirements for retaining public records pursuant to Florida laws. When such public records are transferred by Grau & Associates, Grau & Associates shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the District in a format that is compatible with Microsoft Word or Adobe PDF formats.

IF GRAU & ASSOCIATES HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE PUBLIC RECORDS CUSTODIAN AT: C/O GOVERNMENTAL MANAGEMENT SERVICES – CENTRAL FLORIDA LLC, 219 EAST LIVINGSTON STREET ORLANDO, FLORIDA 32801, OR RECORDREQUEST@GMSCFL.COM, PH: (407) 841-5524.

Our fee for these services will not exceed $4,700 for the September 30, 2026 audit, unless there is a change in activity by the District which results in additional audit work or if additional Bonds are issued.

We will complete the audit within prescribed statutory deadlines, which requires the District to submit its annual audit to the Auditor General no later than nine (9) months after the end of the audited fiscal year, with the understanding that your employees will provide information needed to perform the audit on a timely basis. Provided that such information and any necessary feedback is provided on a timely basis, we will submit a preliminary draft audit report for your review no later than May 15 following the fiscal year for which the audit is conducted, and will submit a final audit report for your review no later than June 15 following the fiscal year for which the audit is conducted. All accounting records (including, but not limited to, trial balances, general ledger detail, vendor files, bank and trust statements, minutes, and confirmations) for the fiscal year ended September 30, 2026 must be provided to us no later than February 1, 2027, in order for us to submit a preliminary draft by May 15, 2027.

The audit documentation for this engagement will be retained for a minimum of five years after the report release date. If we are aware that a federal awarding agency or auditee is contesting an audit finding, we will contact the party(ies) contesting the audit finding for guidance prior to destroying the audit documentation.

Our invoices for these fees will be rendered each month as work progresses and are payable on presentation. Invoices will be submitted in sufficient detail to demonstrate compliance with the terms of this agreement. In accordance with our firm policies, work may be suspended if your account becomes 60 days or more overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination. The above fee is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate.

This agreement may be renewed each year thereafter subject to the mutual agreement by both parties to all terms and fees. The fee for each annual renewal will be agreed upon separately.

The District has the option to terminate this agreement with or without cause by providing thirty (30) days written notice of termination to Grau & Associates. Upon any termination of this agreement, Grau & Associates shall be entitled to payment of all work and/or services rendered up until the effective termination of this agreement, subject to whatever claims or off-sets the District may have against Grau & Associates.

We will provide you with a copy of our most recent external peer review report and any letter of comment, and any subsequent peer review reports and letters of comment received during the period of the contract. Our 2025 peer review report accompanies this letter.

We appreciate the opportunity to be of service to Schaller Preserve Community Development District and believe this letter accurately summarizes the terms of our engagement and, with any addendum, if applicable, is the complete and exclusive statement of the agreement between Grau & Associates and the District with respect to the terms of the engagement between the parties. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign the enclosed copy and return it to us.

Very truly yours,

Grau & Associates

Antonio J. Grau

RESPONSE:

This letter correctly sets forth the understanding of Schaller Preserve Community Development District.

DocuSigned by:

By: Scott Shapiro
E20F905D8C5D410...

Title: Manager

Date: 2026-09-09

Docusign Envelope ID: 82439959-3BB5-81EB-822A-6F913D01FB67

FICPA Florida Institute of Certified Public Accountants

AICPA Peer Review Program

Administered in Florida
by the Florida Institute of CPAs

November 18, 2025

Antonio Grau
Grau & Associates
1001 W. Yamato Road, Suite 301
Boca Raton, FL 33431-4403

Dear Antonio Grau:

It is my pleasure to notify you that on November 18, 2025, the Florida Peer Review Committee accepted the report on the most recent System Review of your firm. The due date for your next review is December 31, 2028. This is the date by which all review documents should be completed and submitted to the administering entity.

As you know, the report had a peer review rating of pass. The Committee asked me to convey its congratulations to the firm.

Thank you for your cooperation.

Sincerely,

FICPA Peer Review Committee

Peer Review Team
FICPA Peer Review Committee
paul@ficpa.org
850.224.2727, x5957

cc: Daniel Hevia, David Caplivski

Firm Number: 900004390114 Review Number: 616829

SECTION 10

SECTION C

SECTION 1

Schaller Preserve

Community Development District

Unaudited Financial Reporting

September 30, 2026

Table of Contents

1 Balance Sheet

2 General Fund

3 Debt Service Fund - Series 2026

4 Capital Projects Fund - Series 2026

5 Month to Month

6 Long Term Debt Report

Schaller Preserve

Community Development District

Combined Balance Sheet

September 30, 2026

	General Fund	Debt Service Fund	Capital Projects Fund	Totals Governmental Funds
Assets:				
Cash:				
Operating Account	$ 6,745	$ -	$ -	$ 6,745
Due from Developer	$ 20,000	$ -	$ 2,367,861	$ 2,387,861
Prepaid Expenses	$ 6,162	$ -	$ -	$ 6,162
Series 2026				
Reserve	$ -	$ 135,979	$ -	$ 135,979
Revenue	$ -	$ 132,126	$ -	$ 132,126
Construction	$ -	$ -	$ 8,546	$ 8,546
Cost of Issuance	$ -	$ -	$ 106	$ 106
Liabilities:				
Accounts Payable	$ 8,134	$ -	$ -	$ 8,134
Fund Balance:				
Assigned:				
Debt Service - Series 2026	$ -	$ 268,104	$ -	$ 268,104
Capital Projects - Series 2026	$ -	$ -	$ 2,376,512	$ 2,376,512
Unassigned	$ 24,773	$ -	$ -	$ 24,773
Total Liabilities & Fund Balance	$ 32,907	$ 268,104	$ 2,376,512	$ 2,677,524

Schaller Preserve

Community Development District

General Fund

Statement of Revenues, Expenditures, and Changes in Fund Balance

For The Period Ending September 30, 2026

	Adopted Budget	Prorated Budget Thru 09/30/26	Actual Thru 09/30/26	Variance
Revenues:				
Developer Contributions	$ 386,752	$ 386,752	$ 80,600	$ (306,152)
Total Revenues	**$ 386,752**	**$ 386,752**	**$ 80,600**	**$ (306,152)**
Expenditures:				
General & Administrative:				
Supervisor Fees	$ 12,000	$ 12,000	$ 2,800	$ 9,200
FICA Expenses	$ 918	$ 918	$ 214	$ 704
Engineering	$ 15,000	$ 15,000	$ -	$ 15,000
Attorney	$ 25,000	$ 25,000	$ 12,703	$ 12,297
Audit	$ 4,000	$ 4,000	$ 3,100	$ 900
Assessment Administration	$ 5,000	$ 5,000	$ -	$ 5,000
Arbitrage	$ 450	$ 450	$ -	$ 450
Dissemination	$ 5,000	$ 5,000	$ 2,083	$ 2,917
Trustee Fees	$ 4,500	$ 4,500	$ -	$ 4,500
Management Fees	$ 37,500	$ 37,500	$ 26,000	$ 11,500
Information Technology	$ 1,800	$ 1,800	$ 1,200	$ 600
Website Maintenance	$ 1,200	$ 1,200	$ 800	$ 400
Postage & Delivery	$ 1,000	$ 1,000	$ 36	$ 964
Insurance	$ 6,584	$ 6,584	$ 5,732	$ 852
Printing & Binding	$ 1,000	$ 1,000	$ 104	$ 896
Legal Advertising	$ 10,000	$ 10,000	$ 2,826	$ 7,174
Other Current Charges	$ 5,000	$ 5,000	$ 782	$ 4,218
Office Supplies	$ 625	$ 625	$ 1	$ 624
Dues, Licenses & Subscriptions	$ 175	$ 175	$ 175	$ -
Total General & Administrative	**$ 136,752**	**$ 136,752**	**$ 58,557**	**$ 78,195**
Operations & Maintenance				
Field Contingency	$ 250,000	$ 250,000	$ -	$ 250,000
Total Operations & Maintenance	**$ 250,000**	**$ 250,000**	**$ -**	**$ 250,000**
Total Expenditures	**$ 386,752**	**$ 386,752**	**$ 58,557**	**$ 328,195**
Net Change in Fund Balance	**$ -**		**$ 22,043**	
Fund Balance - Beginning	$ -		$ 2,730	
Fund Balance - Ending	$ -		$ 24,773	

Schaller Preserve

Community Development District

Debt Service Fund Series 2026

Statement of Revenues, Expenditures, and Changes in Fund Balance

For The Period Ending September 30, 2026

Revenues				
Assessment - Direct	$ -	$ -	$ 130,481	$ 130,481
Interest	$ -	$ -	$ 3,807	$ 3,807
Total Revenues	**$ -**	**$ -**	**$ 134,288**	**$ 134,288**
Expenditures:				
Series 2026				
Interest - 11/1	$ -	$ -	$ -	$ -
Principal - 5/1	$ -	$ -	$ -	$ -
Interest - 5/1	$ -	$ -	$ -	$ -
Total Expenditures	**$ -**	**$ -**	**$ -**	**$ -**
Excess (Deficiency) of Revenues over Expenditures	$ -		$ 134,288	
Other Financing Sources/(Uses)				
Bond Proceeds	$ -	$ -	$ 135,979	$ 135,979
Transfer In/(Out)	$ -	$ -	$ (2,162)	$ (2,162)
Total Other Financing Sources/(Uses)	**$ -**	**$ -**	**$ 133,817**	**$ 133,817**
Net Change in Fund Balance	**$ -**		**$ 268,104**	
Fund Balance - Beginning	$ -		$ -	
Fund Balance - Ending	$ -		$ 268,104	

Schaller Preserve

Community Development District

Capital Projects Fund Series 2026

Statement of Revenues, Expenditures, and Changes in Fund Balance

For The Period Ending September 30, 2026

Revenues:				
Developer Contribution	$ -	$ -	$ 2,778,198	$ 2,778,198
Interest	$ -	$ -	$ 41,721	$ 41,721
Total Revenues	**$ -**	**$ -**	**$ 2,819,919**	**$ 2,819,919**
Expenditures:				
Capital Outlay	$ -	$ -	$ 3,969,077	$ (3,969,077)
Capital Outlay - Cost of Issuance	$ -	$ -	$ 320,513	$ (320,513)
Total Expenditures	**$ -**	**$ -**	**$ 4,289,590**	**$ (4,289,590)**
Excess (Deficiency) of Revenues over Expenditures	$ -		$ (1,469,671)	
Other Financing Sources/(Uses):				
Bonds Proceeds	$ -	$ -	$ 3,844,021	$ 3,844,021
Transfer In / (Out)	$ -	$ -	$ 2,162	$ 2,162
Total Other Financing Sources/(Uses)	**$ -**	**$ -**	**$ 3,846,184**	**$ 3,846,184**
Fund Balance - Beginning	$ -		$ -	
Fund Balance - Ending	$ -		$ 2,376,512	

Schaller Preserve

Community Development District

Month to Month

	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Total
Revenues:													
Developer Contributions	$ 6,200	$ -	$ 5,000	$ 5,000	$ 4,400	$ 20,000	$ -	$ -	$ 20,000	$ -	$ -	$ 20,000	$ 80,600
Total Revenues	**$ 6,200**	**$ -**	**$ 5,000**	**$ 5,000**	**$ 4,400**	**$ 20,000**	**$ -**	**$ -**	**$ 20,000**	**$ -**	**$ -**	**$ 20,000**	**$ 80,600**
Expenditures:													
General & Administrative:													
Supervisor Fees	$ -	$ -	$ -	$ 400	$ 200	$ 800	$ 800	$ -	$ 600	$ -	$ -	$ -	$ 2,800
FICA Expenses	$ -	$ -	$ -	$ 31	$ 15	$ 61	$ 61	$ -	$ 46	$ -	$ -	$ -	$ 214
Engineering	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Attorney	$ 1,102	$ 534	$ 2,905	$ 685	$ 432	$ 1,875	$ 478	$ 124	$ 2,113	$ 244	$ 624	$ 1,589	$ 12,703
Audit Fee	$ -	$ 500	$ 2,600	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,100
Assessment Administration	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Arbitrage	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dissemination	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 417	$ 417	$ 417	$ 417	$ 417	$ 2,083
Trustee Fees	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Management Fees	$ -	$ -	$ 1,000	$ -	$ 3,125	$ 3,125	$ 3,125	$ 3,125	$ 3,125	$ 3,125	$ 3,125	$ 3,125	$ 26,000
Information Technology	$ -	$ -	$ -	$ -	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 150	$ 1,200
Website Maintenance	$ -	$ -	$ -	$ -	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 100	$ 800
Postage & Delivery	$ -	$ -	$ -	$ -	$ 2	$ 1	$ 11	$ 4	$ -	$ 1	$ 15	$ 2	$ 36
Insurance	$ 5,732	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,732
Printing & Binding	$ -	$ -	$ -	$ -	$ -	$ -	$ 44	$ -	$ -	$ 61	$ -	$ -	$ 104
Legal Advertising	$ -	$ 336	$ -	$ 350	$ -	$ -	$ -	$ 1,039	$ 718	$ -	$ -	$ 383	$ 2,826
Other Current Charges	$ 56	$ 55	$ 55	$ 52	$ 206	$ 51	$ 51	$ 52	$ 51	$ 51	$ 52	$ 50	$ 782
Office Supplies	$ -	$ -	$ -	$ -	$ 0	$ 0	$ 0	$ 0	$ -	$ 0	$ 0	$ 0	$ 1
Dues, Licenses & Subscriptions	$ 175	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 175
Total General & Administrative	**$ 7,065**	**$ 1,425**	**$ 6,560**	**$ 1,517**	**$ 4,230**	**$ 6,164**	**$ 4,820**	**$ 5,011**	**$ 7,319**	**$ 4,148**	**$ 4,482**	**$ 5,816**	**$ 58,557**
Operations & Maintenance													
Field Contingency	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Operations & Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Expenditures	$ 7,065	$ 1,425	$ 6,560	$ 1,517	$ 4,230	$ 6,164	$ 4,820	$ 5,011	$ 7,319	$ 4,148	$ 4,482	$ 5,816	$ 58,557
Excess (Deficiency) of Revenues over Expenditures	$ (865)	$ (1,425)	$ (1,560)	$ 3,483	$ 170	$ 13,836	$ (4,820)	$ (5,011)	$ 12,681	$ (4,148)	$ (4,482)	$ 14,184	$ 22,043

Schaller Preserve

Community Development District

Long Term Debt Report

Series 2026, Special Assessment Bonds

Interest Rates:	4.000%, 5.300%, 5.625%
Maturity Date:	5/1/2056
Reserve Fund Definition	50% of Maximum Annual Debt Service
Reserve Fund Requirement	$135,979
Reserve Fund Balance	$135,979
Bonds Outstanding - 3/19/26	$3,980,000
Current Bonds Outstanding	**$3,980,000**

SECTION 2

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 7

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Empire Pipe & Supply

(D) Amount Payable: $608,077.38

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): PO#17 Invoice # 2253445 2253377 2253352 2253346 2254052 2253525 2253309 2254307 2254306 2254516 2253462 2254770 2254771 2254053 2254058 2255256 2255257 2255258 2255440 2255673 2255672 2255671 2254057 2255089 2254252 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/24/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ray Todd
Consulting Engineer

Date: 06.18.2026

Baker Dairy Rd - Empire PO#17 DPO Tracking

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted
Empire Pipe & supply	2253445	5/28/2026	6/17/2026	$ 98,546.32	6/17/2026
Empire Pipe & supply	2253377	5/28/2026	6/17/2026	$ 14,381.40	6/17/2026
Empire Pipe & supply	2253352	5/28/2026	6/17/2026	$ 5,389.29	6/17/2026
Empire Pipe & supply	2253346	5/28/2026	6/17/2026	$ 650.52	6/17/2026
Empire Pipe & supply	2254052	5/29/2026	6/17/2026	$ 11,773.90	6/17/2026
Empire Pipe & supply	2253525	5/29/2026	6/17/2026	$ 26,233.21	6/17/2026
Empire Pipe & supply	2253309	5/29/2026	6/17/2026	$ 70,594.71	6/17/2026
Empire Pipe & supply	2254307	6/1/2026	6/17/2026	$ 2,009.25	6/17/2026
Empire Pipe & supply	2254306	6/1/2026	6/17/2026	$ 2,223.57	6/17/2026
Empire Pipe & supply	2254516	6/2/2026	6/17/2026	$ 40,300.00	6/17/2026
Empire Pipe & supply	2253462	6/2/2026	6/17/2026	$ 39,960.00	6/17/2026
Empire Pipe & supply	2254770	6/3/2026	6/17/2026	$ 34,360.00	6/17/2026
Empire Pipe & supply	2254771	6/3/2026	6/17/2026	$ 43,000.00	6/17/2026
Empire Pipe & supply	2254053	6/4/2026	6/17/2026	$ 3,503.82	6/17/2026
Empire Pipe & supply	2254058	6/4/2026	6/17/2026	$ 137.74	6/17/2026
Empire Pipe & supply	2255256	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026
Empire Pipe & supply	2255257	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026
Empire Pipe & supply	2255258	6/5/2026	6/17/2026	$ 50,280.00	6/17/2026
Empire Pipe & supply	2255440	6/8/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2255673	6/9/2026	6/17/2026	$ 15,860.00	6/17/2026
Empire Pipe & supply	2255672	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2255671	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2254057	6/10/2026	6/17/2026	$ 539.82	6/17/2026
Empire Pipe & supply	2255089	6/11/2026	6/17/2026	$ 938.43	6/17/2026
Empire Pipe & supply	2254252	6/12/2026	6/17/2026	$ 34,715.40	6/17/2026

Total Approved Invoices:	$ 608,077.38
Total Billable Credit:	$ 644,597.41

PO Total:	$ 859,071.09
PO Tax Credit:	$ 51,594.26

Remaining PO Balance:	$ 250,993.71
Balance Tax Value:	$ 15,074.23
Credit to Tucker:	$ 266,067.94

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253445
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	432-1320X10	12X10 SS TAPN SLV W/ SS B&N	1	1	1,946.35	1,946.35
2	406-1110X06IP	10X3/4 IP SAD DBLSS 10.75-11.1	1	0	107.08	0.00
3	406-0238X06IP	2X3/4 IP DBL SS SDL 2.35-2.63	2	0	318.88	0.00
4	406-480X12	4X1-1/2 IP SDL 4.50-4.80	6	0	79.03	0.00
5	FP45FPV	DOLE FP45 FREEZE PV	3	3	174.07	522.21
6	34RPZ975	3/4 ZURN 975XL2 RPZ	3	3	267.38	802.14
7	3BVM10W	3" BRASS VALVE MARKER 10" WTR	1	1	19.14	19.14
8	3BVM8W	3" BRS VALVE MARKER 8" WTR	18	18	19.14	344.52
9	3BVM6W	3" BRASS VALVE MARKER 6" WTR	18	18	19.14	344.52
10	3BVM2W	3" BRASS VALVE MARKER 2" WTR	1	1	19.14	19.14
11	6122 (4132186)	2" SQ HEAD WRENCH ADPT W/CP	119	119	15.82	1,882.58
12	B84666WNL	1-1/2" CURB STOP MIP X PJ	53	53	216.66	11,482.98
13	INSERT-55	2" PET SS INSERT STIFFNER	170	170	3.07	521.90
14	INSERT-51	3/4 PET SS INSERT STIFFENER	44	44	2.04	89.76
15	INSERT-54	1-1/2 PET SS INSERT STIFFENER	74	74	2.97	219.78
16	B41-666W-NL	1 1/2 CURB PJ CTS X FIP	18	18	212.32	3,821.76
17	14AWGBLUE	500' ROLL 14AWG TRACER WIRE	29	29	54.95	1,593.55
18	E155205	2X108 BLUE VINYL ID TAPE	8	8	5.62	44.96
19	34BRNIP48	3/4 x 48 BRASS PIPE NIPPLE	12	12	76.50	918.00
20	3TAPEW	3X1000' DETECT TAPE WATER	8	8	31.00	248.00
21	AA2BP_4X4	BLUE HYDRANT REFLECTOR W/PAD	9	9	7.29	65.61

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33819

Invoice

INVOICE NO.	2253445
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
22	34BRMC	3/4"X2-1/2" BRASS METER COUP	6	6	99.20	595.20
23	34BRC	3/4 BRASS CAP	3	0	2.88	0.00
24	34BRNIP3	3/4 X 3 BRASS PIPE NIPPLE	9	9	5.26	47.34
25	34BRNIP3	3/4 X 3 BRASS PIPE NIPPLE	12	10	5.26	52.60
26	34BRNIPCLS	3/4 x CLOSE BRASS PIPE NIPPLE	3	3	2.77	8.31
27	34BRNIP12	3/4 x 12 BRASS PIPE NIPPLE	3	3	17.01	51.03
28	34BR90	3/4 BRASS 90 BEND	15	15	5.66	84.90
29	34BRT	3/4 BRASS TEE	9	3	6.71	20.13
30	34BRBUSH12	3/4 x 1/2 BRASS BUSHING	3	1	2.96	2.96
31	34HSBIBBM	3/4 HOSE BIBB W/ MIP INLET	12	12	9.57	114.84
32	10TAPGVOL	10 TAPPING VALVE C515 O/L	1	1	2,552.96	2,552.96
33	8MJGVOL	8 MJ GATE VALVE C515 O/L	18	18	1,300.83	23,414.94
34	6MJGVOL	6 MJ GATE VALVE C515 O/L	18	18	816.71	14,700.78
35	2THDGVOL	2 THD GATE VALVE C515 O/L	1	1	578.95	578.95
36	K81A51448PINHILL	K81A 5 1/4 4'0" PIN/HILL HYD	9	9	2,782.70	25,044.30
37	34PE100BLUE	3/4 CTS PE TUBE CL200 100'BLUE	5	5	33.00	165.00
38	112PE100BLUE	1-1/2 CTS TUBE SDR9 100' BLUE	47	9	116.00	1,044.00
39	2PE300GREEN	2" X300' CTS PE CL200 GREEN	1	1	615.00	615.00
40	2PE100GREEN	2X100' CTS PE CL200 GREEN	2	2	205.00	410.00
41	74753-22 (5141181	2 CPLG 22 CTS X MIP	2	2	80.00	160.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33819

Invoice

INVOICE NO.	2253445
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

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PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
42	74753-22 (5140106	3/4 CPLG 22 CTS X MIP	12	12	16.52	198.24
43	74758-22 (5141183	2 CPLG 22 CTS X 22 CTS-NL	2	2	127.76	255.52
44	74704-22 5140109	3/4 PLUG CORP MIP X CTS NL	22	22	36.01	792.22
45	76102W-22(5133149	3/4X5/8X3/4 CBV LW CTSXFIP-NL	10	0	36.01	0.00
46	76102W-22(5139186	1 1/2 CBV LW 22 CTSXFIP-NL	167	10	212.32	2,123.20
47	76101W (5139112)	3/4 CBV LW FIP X FIP-NL	15	0	58.98	0.00
48	406-0690X06IP	6X3/4 SAD SS DBL 6.63-6.90 OD	2	0	76.71	0.00
49	406-0690X12IP	6X1-1/2 IP DBL SS SAD 6.63-6.9	42	0	90.06	0.00
50	406-0905X06IP	8X3/4 IP SAD DBL SS 8.63-9.05	13	5	90.84	454.20
51	406-0905-12	8X1-1/2 IP SAD DB SS 8.63-9.05	52	1	105.82	105.82
52	4060480X06IP	4060480X06IP 4 X 3/4 IP SADDLE	4	1	66.98	66.98
53	406-1110X12IP	10X1-1/2 IP SDL DBL SS 11.10	19	0	121.08	0.00
54	4SCH40BE	4 SCH 40 BE PVC PIPE	280	0	21.86	0.00
55	6S40BE	6 SCH40 PVC BELL END PIPE	40	0	14.57	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	98,546.32
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	98,546.32

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253377
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

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PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK FM	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	616SSSPACER	6" X 16" SS C/R CASING SPACER	9	0	86.93	0.00
2	616ES	6" X 16" WRAP AROUND END SEAL	2	0	78.03	0.00
3	2ARV	2 AIR RELEASE VALVE	1	1	1,020.41	1,020.41
4	2SSFPBV	2" SS FP THREADED BALL VALVE	1	1	122.45	122.45
5	3BVM6FM	3" BRASS VALVE MARKER 6" FM	1	1	19.14	19.14
6	2304SSNIP24	2"X24" 304SS NIPPLE	1	0	137.74	0.00
7	14AWGGREEN	500' ROLL 14AWG TRACER WIRE	7	7	54.95	384.65
8	E155208	2X108 GREEN VINYL ID TAPE	7	7	5.62	39.34
9	3TAPES	3X1000' DETECT TAPE SEWER	2	2	31.00	62.00
10	2304SSNIP4	2"X4" 304SS NIPPLE	2	2	43.70	87.40
11	2304SS9	2" 304SS 90 FIPXFIP	2	2	5,285.72	10,571.44
12	6TAPGVOL	6 TAPPING VALVE C515 O/L	1	1	1,140.00	1,140.00
13	432-0690X06	6X6 SS TAPN SLV W/ SS B&N	1	1	844.51	844.51
14	406-0690X14	6X2 IP SADDLE DBL SS 6.63-6.90	1	1	90.06	90.06

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ENROLLMENT_TOKEN
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AMOUNT	14,381.40
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	14,381.40

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
6659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253352
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK SEWER	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4HW4GS	4" HW SDR26 45 GXS	228	228	20.84	4,751.52
2	4SGC	4" SDR35 GLUE CAP	224	82	2.35	192.70
3	3TAPES	3X1000' DETECT TAPE SEWER	13	8	31.00	248.00
4	7621S	7621 HANDHOLE R&C (S)	3	3	65.69	197.07

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ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

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AMOUNT	5,389.29
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	5,389.29

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253346
INVOICE DATE	05/28/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

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SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK STORM	JOB 26-750 SCHALLER PRSRV	TL1	06/27/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	3300NWFF6	3'X300' NON-WOVEN FDOT D3 6OZ	6	6	108.42	650.52
2	15300FW404WFF	15'X300' FW404 WOVEN FABRIC	3	0	1,167.94	0.00

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AMOUNT	650.52
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	650.52

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Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254052
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

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PO BOX 96518
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SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	406-1110X06IP	10X3/4 IP SAD DBLSS 10.75-11.1	1	0	107.08	0.00
2	406-0238X06IP	2X3/4 IP DBL SS SDL 2.35-2.63	2	0	318.88	0.00
3	406-480X12	4X1-1/2 IP SDL 4.50-4.80	6	0	79.03	0.00
4	34BRC	3/4 BRASS CAP	3	0	2.88	0.00
5	34BRNIP3	3/4 X 3 BRASS PIPE NIPPLE	2	0	4.66	0.00
6	34BRT	3/4 BRASS TEE	6	0	6.71	0.00
7	34BRBUSH12	3/4 x 1/2 BRASS BUSHING	2	0	2.96	0.00
8	112GNIP3	1-1/2 X 3 GALV PIPE NIPPLE	185	185	3.58	662.30
9	112PE100BLUE	1-1/2 CTS TUBE SDR9 100' BLUE	38	38	116.00	4,408.00
10	76102W-22(5133149	3/4X5/8X3/4 CBV LW CTSXFIP-NL	10	0	36.01	0.00
11	76101W (5139112)	3/4 CBV LW FIP X FIP-NL	15	0	58.98	0.00
12	76102W-22(5139186	1 1/2 CBV LW 22 CTSXFIP-NL	157	0	340.04	0.00
13	406-0690X06IP	6X3/4 SAD SS DBL 6.63-6.90 OD	2	0	76.71	0.00
14	406-0690X12IP	6X1-1/2 IP DBL SS SAD 6.63-6.9	42	0	90.06	0.00
15	406-0905X06IP	8X3/4 IP SAD DBL SS 8.63-9.05	8	0	90.84	0.00
16	406-0905-12	8X1-1/2 IP SAD DB SS 8.63-9.05	51	0	105.82	0.00
17	4060480X06IP	4060480X06IP 4 X 3/4 IP SADDLE	3	0	66.98	0.00
18	406-1110X12IP	10X1-1/2 IP SDL DBL SS 11.10	19	0	121.08	0.00
19	4SCH40BE	4 SCH 40 BE PVC PIPE	280	280	21.86	6,120.80
20	6S40BE	6 SCH40 PVC BELL END PIPE	40	40	14.57	582.80

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254052
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

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PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/29/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	11,773.90
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	11,773.90

EMPIRE
Pipe & Supply
EST 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253525
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 SS FITTING DIRECT	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/27/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	84HWWG	8X4 SDR26 HW WYE GXGXG	56	56	93.89	5,257.84
2	4HWWG	4" HW SDR26 WYE GXGXG	59	59	51.08	3,013.72
3	4SP	4 SDR35 SEWER PLUG	56	56	5.73	320.88
4	86HWWG	8X6" HW SDR26 WYE GXGXG	84	84	107.73	9,049.32
5	6HW4GS	6" HW SDR26 45 GXS	84	84	30.60	2,570.40
6	64HWDWG	6X4 HW SDR26 DBLE WYE GXG	84	84	61.21	5,141.64
7	6SP	6" SDR35 SEWER PLUG	84	84	8.79	738.36
8	4S35FADP	4" SDR35 CO ADAPTER SW SXF	3	3	7.92	23.76
9	4TP	4" SDR35 THREADED PLUG	3	3	7.80	23.40
10	84HWWG	8X4 SDR26 HW WYE GXGXG	1	1	93.89	93.89

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	26,233.21
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	26,233.21

EMPIRE
Pipe & Supply
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EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253309
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/27/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4M4	4 MJ 45 BEND C153 C/L	35	19	69.48	1,320.12
2	4M2	4 MJ 22-1/2 BEND C153 C/L	2	2	65.29	130.58
3	6M4	6 MJ 45 BEND C153 C/L	34	24	118.59	2,846.16
4	6MHT	6 HYDRANT TEE (MJ x SWIV) C153	4	1	224.01	224.01
5	613AC	6X13 ANCHOR CPLG SWIV X SLD	16	9	221.01	1,989.09
6	8MT	8 MJ TEE C153 C/L	8	8	291.69	2,333.52
7	86MT	8X6 MJ TEE C153 C/L	4	0	241.38	0.00
8	84MT	8X4 MJ TEE C153 C/L	1	1	210.23	210.23
9	8M4	8 MJ 45 BEND C153 C/L	36	24	160.52	3,852.48
10	8M2	8 MJ 22-1/2 BEND C153 C/L	8	0	156.33	0.00
11	8M1	8 MJ 11-1/4 BEND C153 C/L	1	0	141.95	0.00
12	86MR	8X6 MJ REDUCER C153 C/L	2	1	115.00	115.00
13	84MR	8X4 MJ REDUCER C153 C/L	7	2	107.81	215.62
14	86MHT	8X6 HYDRANT TEE (MJ X SWIV)	11	7	280.91	1,966.37
15	10MT	10 MJ TEE C153 C/L	1	1	415.67	415.67
16	10M9	10 MJ 90 BEND C153 C/L	2	0	415.67	0.00
17	10M4	10 MJ 45 BEND C153 C/L	8	8	231.19	1,849.52
18	10M1	10 MJ 11-1/4 BEND C153 C/L	6	6	229.40	1,376.40
19	108MR	10X8 MJ REDUCER C153 C/L	3	3	162.32	486.96
20	106MHT	10X6 HYDRANT TEE (MJ X SWIV)	1	1	355.17	355.17
21	108MT	10X8 MJ TEE C153 C/L	2	2	391.71	783.42

EMPIRE
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EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253309
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/27/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
22	6M4P401	6 MJ 45 BEND C153 P401	14	10	429.44	4,294.40
23	6M1P401	6" MJ 11-1/4 BEND C153 P401	5	5	420.46	2,102.30
24	4M4P401	4 MJ 45 BEND C153 P401	12	0	278.51	0.00
25	PRC1104	4" 1100C BELL REST C900 PVC	36	20	51.79	1,035.80
26	PRC1106	6" 1100C SERIES PVC BELL REST	43	43	64.52	2,774.36
27	PRC1108	8" 1100C BELL REST PVC C900	41	41	107.53	4,408.73
28	PRC1110	10" 1100C BELL REST C900 PVC	11	11	186.97	2,056.67
29	44000SG	4" 4000 REST C900 L/KIT	113	45	30.41	1,368.45
30	4MGP	4 MJ GASKET & BOLT PACK	113	45	13.34	600.30
31	64000SG	6" 4000 REST C900 L/KIT	161	131	36.86	4,828.66
32	6MGP	6 MJ GASKET & BOLT PACK	161	132	19.02	2,510.64
33	84000SG	8" 4000 REST C900 L/KIT	205	132	54.54	7,199.28
34	8MGP	8 MJ GASKET & BOLT PACK	205	133	21.34	2,838.22
35	104000SG	10" 4000 REST C900 L/KIT	41	41	103.13	4,228.33
36	10MGP	10 MJ GASKET & BOLT PACK	41	41	30.27	1,241.07
37	ISCRW10VBTOP	10" IMPORT SCREW VLV BOX TOP	292	0	26.79	0.00
38	ISCRW15VBBOT	15" IMP SCREW VLV BOX BOTTOM	292	158	26.79	4,232.82
39	VBLIDW	5 1/4 CI VB LID WATER	290	157	22.96	3,604.72
40	VBLIDS	5 1/4 CI VB LID SEWER	2	1	22.96	22.96
41	6MP	6 MJ PLUG C153 C/L	1	1	160.52	160.52

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253309
INVOICE DATE	05/29/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	06/28/2026	05/27/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
42	8MP	8 MJ PLUG C153 C/L	1	1	196.90	196.90
43	6MT	6 MJ TEE C153 C/L	2	2	209.63	419.26
44					0.00	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	70,594.71
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	70,594.71

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254307
INVOICE DATE	06/01/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	07/01/2026	05/28/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4M4	4 MJ 45 BEND C153 C/L	16	0	69.48	0.00
3	6M4	6 MJ 45 BEND C153 C/L	10	0	118.59	0.00
4	6MHT	6 HYDRANT TEE (MJ x SWIV) C153	3	0	224.01	0.00
5	613AC	6X13 ANCHOR CPLG SWIV X SLD	7	0	221.01	0.00
7	86MT	8X6 MJ TEE C153 C/L	4	0	241.38	0.00
9	8M4	8 MJ 45 BEND C153 C/L	12	0	160.52	0.00
10	8M2	8 MJ 22-1/2 BEND C153 C/L	8	0	156.33	0.00
11	8M1	8 MJ 11-1/4 BEND C153 C/L	1	0	141.95	0.00
12	86MR	8X6 MJ REDUCER C153 C/L	1	0	115.00	0.00
13	84MR	8X4 MJ REDUCER C153 C/L	5	0	107.81	0.00
14	86MHT	8X6 HYDRANT TEE (MJ X SWIV)	4	0	280.91	0.00
16	10M9	10 MJ 90 BEND C153 C/L	2	0	415.67	0.00
22	6M4P401	6 MJ 45 BEND C153 P401	4	0	429.44	0.00
24	4M4P401	4 MJ 45 BEND C153 P401	12	0	278.51	0.00
25	PRC1104	4" 1100C BELL REST C900 PVC	16	0	51.79	0.00
29	44000SG	4" 4000 REST C900 L/KIT	68	0	30.41	0.00
30	4MGP	4 MJ GASKET & BOLT PACK	68	0	13.34	0.00
31	64000SG	6" 4000 REST C900 L/KIT	30	0	36.86	0.00
32	6MGP	6 MJ GASKET & BOLT PACK	29	0	19.02	0.00
33	84000SG	8" 4000 REST C900 L/KIT	73	0	54.54	0.00
34	8MGP	8 MJ GASKET & BOLT PACK	72	0	21.34	0.00

EMPIRE
Pipe & Supply
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EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254307
INVOICE DATE	06/01/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	07/01/2026	05/28/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
37	ISCRW10VBTOP	10" IMPORT SCREW VLV BOX TOP	209	75	26.79	2,009.25
38	ISCRW15VBBOT	15" IMP SCREW VLV BOX BOTTOM	134	0	26.79	0.00
39	VBLIDW	5 1/4 CI VB LID WATER	133	0	22.96	0.00
40	VBLIDS	5 1/4 CI VB LID SEWER	1	0	22.96	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	2,009.25
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	2,009.25

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254306
INVOICE DATE	06/01/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	07/01/2026	05/28/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4M4	4 MJ 45 BEND C153 C/L	16	0	69.48	0.00
3	6M4	6 MJ 45 BEND C153 C/L	10	0	118.59	0.00
4	6MHT	6 HYDRANT TEE (MJ x SWIV) C153	3	0	224.01	0.00
5	613AC	6X13 ANCHOR CPLG SWIV X SLD	7	0	221.01	0.00
7	86MT	8X6 MJ TEE C153 C/L	4	0	241.38	0.00
9	8M4	8 MJ 45 BEND C153 C/L	12	0	160.52	0.00
10	8M2	8 MJ 22-1/2 BEND C153 C/L	8	0	156.33	0.00
11	8M1	8 MJ 11-1/4 BEND C153 C/L	1	0	141.95	0.00
12	86MR	8X6 MJ REDUCER C153 C/L	1	0	115.00	0.00
13	84MR	8X4 MJ REDUCER C153 C/L	5	0	107.81	0.00
14	86MHT	8X6 HYDRANT TEE (MJ X SWIV)	4	0	280.91	0.00
16	10M9	10 MJ 90 BEND C153 C/L	2	0	415.67	0.00
22	6M4P401	6 MJ 45 BEND C153 P401	4	0	429.44	0.00
24	4M4P401	4 MJ 45 BEND C153 P401	12	0	278.51	0.00
25	PRC1104	4" 1100C BELL REST C900 PVC	16	0	51.79	0.00
29	44000SG	4" 4000 REST C900 L/KIT	68	0	30.41	0.00
30	4MGP	4 MJ GASKET & BOLT PACK	68	0	13.34	0.00
31	64000SG	6" 4000 REST C900 L/KIT	30	0	36.86	0.00
32	6MGP	6 MJ GASKET & BOLT PACK	29	0	19.02	0.00
33	84000SG	8" 4000 REST C900 L/KIT	73	0	54.54	0.00
34	8MGP	8 MJ GASKET & BOLT PACK	72	0	21.34	0.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254306
INVOICE DATE	06/01/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 32801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 COMBINED MJ	JOB 26-750 SCHALLER PRSRV	TL1	07/01/2026	05/28/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
37	ISCRW10VBTOP	10" IMPORT SCREW VLV BOX TOP	292	83	26.79	2,223.57
38	ISCRW15VBBOT	15" IMP SCREW VLV BOX BOTTOM	134	0	26.79	0.00
39	VBLIDW	5 1/4 CI VB LID WATER	133	0	22.96	0.00
40	VBLIDS	5 1/4 CI VB LID SEWER	1	0	22.96	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	2,223.57
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	2,223.57

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254516
INVOICE DATE	06/02/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/02/2026	06/01/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	42HPSTORM	42" ADS HP STORM PIPE	600	200	89.00	17,800.00
2	36HPSTORM	36" ADS HP STORM PIPE	960	240	69.00	16,560.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	1780	140	39.00	5,460.00
5	18HPSTORM	18 ADS HP STORM PIPE	1760	20	24.00	480.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	40,300.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	40,300.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2253462
INVOICE DATE	06/02/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO FL 32801-1508

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/02/2026	06/01/2026	Direct Prepaid

LINE	PRODUCT NO	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	42HPSTORM	42" ADS HP STORM PIPE	600	0	89.00	0.00
2	36HPSTORM	36" ADS HP STORM PIPE	1200	240	69.00	16,560.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	2380	600	39.00	23,400.00
5	18HPSTORM	18 ADS HP STORM PIPE	1760	0	24.00	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	39,960.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	39,960.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254770
INVOICE DATE	06/03/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/03/2026	06/02/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	42HPSTORM	42" ADS HP STORM PIPE	400	200	89.00	17,800.00
2	36HPSTORM	36" ADS HP STORM PIPE	720	240	69.00	16,560.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	1640	0	39.00	0.00
5	18HPSTORM	18 ADS HP STORM PIPE	1740	0	24.00	0.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	34,360.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	34,360.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254771
INVOICE DATE	06/03/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

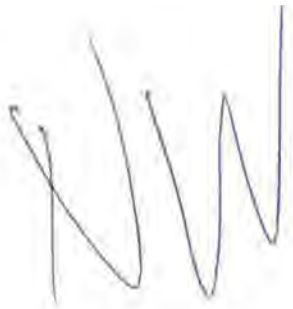
SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/03/2026	06/02/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	42HPSTORM	42" ADS HP STORM PIPE	200	200	89.00	17,800.00
2	36HPSTORM	36" ADS HP STORM PIPE	480	240	69.00	16,560.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	1640	0	39.00	0.00
5	18HPSTORM	18 ADS HP STORM PIPE	1740	360	24.00	8,640.00



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ENROLLMENT_TOKEN
GHQ PVK KFQ

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AMOUNT	43,000.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	43,000.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254058
INVOICE DATE	06/04/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK FM	JOB 26-750 SCHALLER PRSRV	TL1	07/04/2026	06/04/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	616SSSPACER	6" X 16" SS C/R CASING SPACER	9	0	86.93	0.00
2	616ES	6" X 16" WRAP AROUND END SEAL	2	0	78.03	0.00
3	2304SSNIP24	2"X24" 304SS NIPPLE	1	1	137.74	137.74

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ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

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AMOUNT	137.74
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	137.74

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254053
INVOICE DATE	06/04/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/04/2026	06/04/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	15300FW404WFF	15'X300' FW404 WOVEN FABRIC	3	3	1,167.94	3,503.82

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EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

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AMOUNT	3,503.82
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	3,503.82

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255258
INVOICE DATE	06/05/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/05/2026	06/03/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	600	600	39.00	23,400.00
5	18HPSTORM	18 ADS HP STORM PIPE	1120	1120	24.00	26,880.00

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ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

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AMOUNT	50,280.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	50,280.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255257
INVOICE DATE	06/05/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/05/2026	06/03/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	1200	600	39.00	23,400.00
5	18HPSTORM	18 ADS HP STORM PIPE	1120	0	24.00	0.00

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ENROLLMENT TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

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AMOUNT	23,400.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	23,400.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255256
INVOICE DATE	06/05/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/05/2026	06/04/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	0	61.00	0.00
4	24HPSTORM	24 ADS HP STORM PIPE	1640	440	39.00	17,160.00
5	18HPSTORM	18 ADS HP STORM PIPE	1380	260	24.00	6,240.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	23,400.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	23,400.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255440
INVOICE DATE	06/08/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/08/2026	06/05/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	1340	360	61.00	21,960.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	21,960.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	21,960.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255673
INVOICE DATE	06/09/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/09/2026	06/09/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	260	260	61.00	15,860.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	15,860.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	15,860.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255672
INVOICE DATE	06/09/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

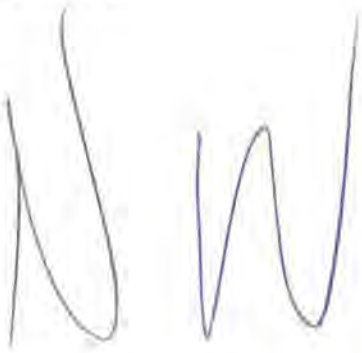
SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/09/2026	06/09/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	620	360	61.00	21,960.00



To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	21,960.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	21,960.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255671
INVOICE DATE	06/09/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 DIRECT STORM	JOB 26-750 SCHALLER PRSRV	TL1	07/09/2026	06/05/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
2	36HPSTORM	36" ADS HP STORM PIPE	240	0	69.00	0.00
3	30HPSTORM	30" ADS HP STORM PIPE	980	360	61.00	21,960.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	21,960.00
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	21,960.00

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254057
INVOICE DATE	06/10/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK SEWER	JOB 26-750 SCHALLER PRSRV	TL1	07/10/2026	06/10/2026	Our Truck Prepaid

LINE	PRODUCT NO	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4SGC	4" SDR35 GLUE CAP	142	142	2.71	384.82
2	3TAPES	3X1000' DETECT TAPE SEWER	5	5	31.00	155.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	539.82
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	539.82

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255089
INVOICE DATE	06/11/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK FM	JOB 26-750 SCHALLER PRSRV	TL1	07/11/2026	06/12/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	616SSSPACER	6" X 16" SS C/R CASING SPACER	9	9	86.93	782.37
2	616ES	6" X 16" WRAP AROUND END SEAL	2	2	78.03	156.06

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	938.43
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	938.43

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2254252
INVOICE DATE	06/12/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	07/12/2026	06/12/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	406-1110X06IP	10X3/4 IP SAD DBLSS 10.75-11.1	1	0	107.08	0.00
2	406-0238X06IP	2X3/4 IP DBL SS SDL 2.35-2.63	2	0	318.88	0.00
3	406-480X12	4X1-1/2 IP SDL 4.50-4.80	6	0	79.03	0.00
4	34BRC	3/4 BRASS CAP	3	3	3.66	10.98
5	34BRNIP3	3/4 X 3 BRASS PIPE NIPPLE	2	0	4.66	0.00
6	34BRT	3/4 BRASS TEE	6	6	6.71	40.26
7	34BRBUSH12	3/4 x 1/2 BRASS BUSHING	2	2	2.96	5.92
8	76102W-22(5133149	3/4X5/8X3/4 CBV LW CTSXFIP-NL	10	10	43.93	439.30
9	76101W (5139112)	3/4 CBV LW FIP X FIP-NL	15	15	58.98	884.70
10	76102W-22(5139186	1 1/2 CBV LW 22 CTSXFIP-NL	157	157	212.32	33,334.24
11	406-0690X06IP	6X3/4 SAD SS DBL 6.63-6.90 OD	2	0	76.71	0.00
12	406-0690X12IP	6X1-1/2 IP DBL SS SAD 6.63-6.9	42	0	90.06	0.00
13	406-0905X06IP	8X3/4 IP SAD DBL SS 8.63-9.05	8	0	90.84	0.00
14	406-0905-12	8X1-1/2 IP SAD DB SS 8.63-9.05	51	0	105.82	0.00
15	4060480X06IP	4060480X06IP 4 X 3/4 IP SADDLE	3	0	66.98	0.00
16	406-1110X12IP	10X1-1/2 IP SDL DBL SS 11.10	19	0	121.08	0.00

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	34,715.40
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	34,715.40

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 8

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Kilinski Van Wyl PLLC

(D) Amount Payable: $866.25

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 15299 - Construction Services for May 2026

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/24/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ray Mudd
Consulting Engineer

Date: 06.18.2026

KILINSKI | VAN WYK

Kilinski | Van Wyk PLLC

P.O. Box 6386
Tallahassee, Florida 32314

INVOICE

Invoice # 15299
Date: 06/17/2026
Due On: 07/17/2026

Schaller Preserve CDD
219 E. Livingston Street
Orlando, FL 32801

Statement of Account

Outstanding Balance		New Charges		Payments Received		**Total Amount Outstanding**
($3,117.00	+	$866.25	) - (	$0.00	) =	**$3,983.25**

SCHPCDD-105

Schaller Preserve CDD - 2026 Construction

Type	Attorney	Date	Notes	Quantity	Rate	Total
Service	GR	05/04/2026	Confer with District Management regarding Notice of Commencement for Phase 1.	0.10	$310.00	$31.00
Service	CD	05/05/2026	Format and Record Notice of Commencement through Simplifile with Polk County. Respond to District Staff email regarding same.	0.30	$215.00	$64.50
Service	CD	05/06/2026	Download recorded Notice of Commencement and email to District Staff.	0.20	$215.00	$43.00
Service	GR	05/06/2026	Confer with District Management regarding recorded Notice of Commencement.	0.10	$310.00	$31.00
Expense	KB	05/06/2026	Simplifile Recording: eRecording fee for Notice of Commencement.	1.00	$108.75	$108.75
Service	GR	05/21/2026	Analyze supplier's requested revisions to Purchase Order No. 2 for the Phase 1 construction contract.	0.40	$310.00	$124.00
Service	LG	05/23/2026	Analyze vendor's requested changes	0.30	$385.00	$115.50

			to purchase order and advise regarding same.			
Service	GR	05/26/2026	Confer with District Manager, S. Shapiro regarding vendor revisions to direct purchase order, analysis of the same.	0.30	$310.00	$93.00
Service	LG	05/29/2026	Advise regarding negotiation of purchase order.	0.10	$385.00	$38.50
Service	GR	05/29/2026	Revise direct purchase order terms regarding proposed revisions from supplier.	0.70	$310.00	$217.00
					Total	**$866.25**

Please make all amounts payable to: Kilinski | Van Wyk PLLC

Please pay within 30 days.

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 9

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: GADD & Associates Civil Engineering & Consulting

(D) Amount Payable: $2,216.25

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 5099 - Construction Certification

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/13/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ruby Todd
Consulting Engineer

Date: 07.10.2026

#9

GADD & ASSOCIATES
CIVIL ENGINEERING & CONSULTING

4685 E. County Road 540A
Lakeland, FL 33813
Ph: 863-940-9979

Invoice

Date	Invoice #
7/1/2026	5099

Bill To
Schaller Preserve CDD jburns@gmscfl.com lcruz@gmscfl.com

P.O. No.	Terms	Project
	Net 30	1177.01 Schaller Preserve PD

Item	Description	Est Amt	Prior Amt	Prior %	Curr %	Total %	Amount
Task 1	On-Site Design & Permitting	184,675.00	184,675.02	100.00%	0.00%	100.00%	0.00
Task 2	Construction Observation/Certification	14,775.00			15.00%	15.00%	2,216.25
Task 3	Lump Sum Reimbursement Expenses	1,200.00	240.00	20.00%	0.00%	20.00%	0.00

	Payments/Credits	$0.00	**Current Invoice Period**	$2,216.25
Please make checks payable to GADD & ASSOCIATES, LLC **Thank you for your business!**			**Total Account Balance**	$2,216.25

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 10

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Tucker Paving, Inc.

(D) Amount Payable: $965,202.69

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Pay Application # 3 period thru 6/30/26

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/3/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ruby Mudd
Consulting Engineer

Date: 07.10.2026

#10

AIA® Document G702™ – 1992

Application and Certificate for Payment

TO OWNER: LENNAR HOMES, LLC
6675 WESTWOOD BLVD
5TH FLOOR
ORLANDO, FL 32821

FROM CONTRACTOR: Tucker Paving, Inc.
5658 Lucerne Park Road
Winter Haven, FL 33881

PROJECT: LENNAR:SCHALLER PRESERVE I

VIA ARCHITECT:

APPLICATION NO: 3
PERIOD TO: 6/30/2026
CONTRACT FOR:
CONTRACT DATE:
PROJECT NOS: 26-750 / /

Distribution to:
OWNER ☐
ARCHITECT ☐
CONTRACTOR ☐
FIELD ☐
OTHER ☐

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
AIA Document G703™, Continuation Sheet, is attached.

1. ORIGINAL CONTRACT SUM	$	9,568,622.01
2. NET CHANGE BY CHANGE ORDERS	$	-1,822,410.50
3. CONTRACT SUM TO DATE *(Line 1 ± 2)*	$	7,746,211.51
4. TOTAL COMPLETED & STORED TO DATE *(Column G on G703)*	$	1,469,990.08
5. RETAINAGE:		
a. 5.00% of Completed Work *(Columns D + E on G703)*	$	-19,702.16
b. 5.00% of Stored Material *(Column F on G703)*	$	93,201.69
Total Retainage *(Lines 5a + 5b, or Total in Column I of G703)*	$	73,499.53
6. TOTAL EARNED LESS RETAINAGE *(Line 4 minus Line 5 Total)*	$	1,396,490.55
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT *(Line 6 from prior Certificate)*	$	431,287.86
8. CURRENT PAYMENT DUE	$	965,202.69
9. BALANCE TO FINISH, INCLUDING RETAINAGE *(Line 3 minus Line 6)*	$	6,349,720.96

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$	$
Total approved this month	$	$ -1,822,410.50
TOTAL	$	$ -1,822,410.50
NET CHANGES by Change Order	$	-1,822,410.50

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Tucker Paving, Inc.
By: _____ Date: 6/30/26
State of: Florida
County of: Polk
Subscribed and sworn to before me this 30 day of June 2026
Notary Public: _____
My commission expires: 11/01/2028

NOTARY PUBLIC STATE OF FLORIDA
SHEILA QUINONES-COATES
Commission # HH 567324
Expires November 1, 2028

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED $ 965,202.69
(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

~~ARCHITECT:~~ Engineer
By: _____ Date: 07.10.2026

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

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AIA® Document G703™ – 1992

Continuation Sheet

AIA Document G702™–1992, Application and Certificate for Payment, or G732™–2009, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.
In tabulations below, amounts are in US dollars.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:
APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750 H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
1	GENERAL CONDITIONS								
2	Mobilization	38,752.50	19,376.26			19,376.26	50.00	19,376.24	968.82
3	Maintenance Of Traffic	1,829.06	457.27	457.27		914.54	50.00	914.52	45.72
4	Construction Layout	295,355.69	50,210.47	14,767.78		64,978.25	22.00	230,377.44	3,248.92
5	Soil Testing	55,842.78		5,584.28		5,584.28	10.00	50,258.50	279.21
6	Pay & Perform Bond	93,786.34	93,786.34			93,786.34	100.00		4,689.32
7	EROISON CONTROL								
8	Type III Silt Fence Double	55,632.39	55,632.39			55,632.39	100.00		2,781.62
9	Type III Silt Fence Single	7,694.28	7,694.28			7,694.28	100.00		384.71
10	Temp Const Entrance	9,006.51	3,002.17	3,002.17		6,004.34	66.67	3,002.17	300.22
11	Inlet Protection	3,289.70						3,289.70	
12	SWPPP Monitoring	11,184.93	1,677.74	1,118.49		2,796.23	25.00	8,388.70	139.80
13	ASPHALT & BASE								
14	12" Stabilized Sub	152,856.48						152,856.48	
15	6" Limerock Base	260,720.16						260,720.16	
16	1.5" SP-9.5 Asphalt Pave	302,281.59						302,281.59	
17	Concrete								
18	Type D Curb	8,283.63						8,283.63	
19	Type F Curb	13,356.90						13,356.90	
20	Miami Curb	244,398.70						244,398.70	
21	2' Transition Curb	206.55						206.55	
22	Mail Kiosk Pad	10,141.56						10,141.56	
23	4' Onsite Concrete Side	18,393.54						18,393.54	
24	4' Concrete Side	8,490.60						8,490.60	
25	ADA Handicap Ramp	23,905.60						23,905.60	
	GRAND TOTAL								

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APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
26	Striping and Signage								
27	EA), Handicap Signs F&I	3,322.84						3,322.84	
28	Signing & Striping R1-1 30	36,798.23						36,798.23	
29	STORM SYSTEM								
30	19" X 30" ERCP Pipe	56,314.96		28,645.76	92.56	28,738.32	51.03	27,576.64	1,436.92
31	14" X 23" ERCP Pipe	2,888.86			5.81	5.81	0.20	2,883.05	0.29
32	42" ADS HP Storm Pipe	94,088.16			54,461.54	54,461.54	57.88	39,626.62	2,723.08
33	36" ADS HP Storm Pipe	145,789.18		88,337.25	82,220.22	170,557.47	116.99	-24,768.29	8,527.87
34	30" ADS HP Storm Pipe	150,255.14		14,832.57	83,160.86	97,993.43	65.22	52,261.71	4,899.67
35	24" ADS HP Storm Pipe	194,930.40		10,418.10	94,752.89	105,170.99	53.95	89,759.41	5,258.55
36	18" ADS Storm Pipe	105,801.24		3,869.23	42,449.18	46,318.41	43.78	59,482.83	2,315.92
37	72" W X 24" H Box Culvert	861,167.70			431,924.79	431,924.79	50.16	429,242.91	21,596.24
38	14" X 23" Single Headwall	6,523.76			673.57	673.57	10.32	5,850.19	33.68
39	19" X 30" Double Headwall	58,361.28			34,517.13	34,517.13	59.14	23,844.15	1,725.86
40	42" Concrete U Endwall	9,712.77			5,423.30	5,423.30	55.84	4,289.47	271.17
41	36" Concrete U Endwall	19,000.80			8,755.28	8,755.28	46.08	10,245.52	437.76
42	24" Concrete U Endwall	21,376.14			13,202.73	13,202.73	61.76	8,173.41	660.14
43	18" Concrete U Endwall	11,547.40			7,038.46	7,038.46	60.95	4,508.94	351.92
44	Type J-8 Storm Manhole	35,038.96			26,162.04	26,162.04	74.67	8,876.92	1,308.10
45	Type P-8 Storm Manhole	34,061.40		11,353.80	18,897.04	30,250.84	88.81	3,810.56	1,512.54
46	Type D Inlet	114,682.26			35,903.74	35,903.74	31.31	78,778.52	1,795.19
47	Type F Inlet	12,544.20			7,799.25	7,799.25	62.17	4,744.95	389.96
48	Type V Inlet	87,363.77			60,706.93	60,706.93	69.49	26,656.84	3,035.35
49	Type 6 Curb Inlet	226,476.08		43,834.08	137,612.18	181,446.26	80.12	45,029.82	9,072.31
50	Type C Inlet	12,868.26			7,626.96	7,626.96	59.27	5,241.30	381.35
	GRAND TOTAL								

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Continuation Sheet

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APPLICATION NO:
APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750 H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
51	Rip Rap Area @ MES	12,771.78						12,771.78	
52	Rip Rap Rubble @ Spreader	87,174.07						87,174.07	
53	Dewater Storm Install	264,772.79		39,715.92		39,715.92	15.00	225,056.87	1,985.80
54	Light Clean & Video	53,430.95						53,430.95	
55	SANITARY SYSTEM								
56	8" DR26 Sanitary Pipe	230,700.16		32,228.07	68,149.46	100,377.53	43.51	130,322.63	5,018.88
57	12" Steel Casing Jack & Bore	38,140.41			2,122.02	2,122.02	5.56	36,018.39	106.10
58	4' Sanitary Manhole 0-6'	55,942.80						55,942.80	
59	4' Sanitary Manhole 6-8'	72,883.08			30,041.00	30,041.00	41.22	42,842.08	1,502.05
60	4' Sanitary Manhole 8-10'	46,437.95		9,287.59	20,469.00	29,756.59	64.08	16,681.36	1,487.83
61	4' Sanitary Manhole 10-12'	25,008.57		8,336.19	13,590.00	21,926.19	87.67	3,082.38	1,096.31
62	4' Sanitary Manhole 12-14'	26,209.58		13,104.79	5,580.00	18,684.79	71.29	7,524.79	934.24
63	4' Sanitary Manhole 14-16'	12,847.37		12,847.37		12,847.37	100.00		642.37
64	4' Sanitary Manhole 14-16	12,350.35		9,880.28		9,880.28	80.00	2,470.07	494.01
65	Single Sanitary Service	53,588.08		1,913.86	26,859.67	28,773.53	53.69	24,814.55	1,438.68
66	Double Sanitary Service	164,664.36		15,682.32	98,070.50	113,752.82	69.08	50,911.54	5,687.64
67	8" X 6" Cleanout Terminal	2,309.94			1,318.28	1,318.28	57.07	991.66	65.91
68	8" Cleanout Assembly End	769.98			439.43	439.43	57.07	330.55	21.97
69	Dewatering Sanitary Install	175,142.16		43,785.54		43,785.54	25.00	131,356.62	2,189.28
70	TV & Air Testing	43,500.93						43,500.93	
71	FORCEMAIN & LIFT STAT								
72	Lift Station (Public)	363,926.38		90,981.60	36,289.08	127,270.68	34.97	236,655.70	6,363.53
73	12" Steel Casing Jack & Bore	39,498.60			4,064.17	4,064.17	10.29	35,434.43	203.21
74	6" DR18 Green Forcemain Pipe	83,282.32			16,969.05	16,969.05	20.38	66,313.27	848.45
75	6" MJ 45 Bend	8,083.10			4,780.22	4,780.22	59.14	3,302.88	239.01
	GRAND TOTAL								

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APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750 H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
76	6" MJ 11.25 Bend	3,624.90			2,661.25	2,661.25	73.42	963.65	133.06
77	ARV Valve/Box/Tag W/Vault	8,454.86			5,774.73	5,774.73	68.30	2,680.13	288.74
78	Pressure Testing - Force Main	2,763.33						2,763.33	
79	POTABLE WATER SYTEM								
80	12" Wet Tap W/Valve/Box/Tag	9,646.54			5,664.78	5,664.78	58.72	3,981.76	283.24
81	6" Wet Tap W/Valve/Box/Tag	3,588.64			2,521.19	2,521.19	70.25	1,067.45	126.06
82	Temp Backflow Assemb	3,069.74			1,130.25	1,130.25	36.82	1,939.49	56.51
83	18" Steel Casing Jack & Bore	85,107.60			14,989.46	14,989.46	17.61	70,118.14	749.47
84	10" DR18 Water Pipe	55,915.08			29,574.34	29,574.34	52.89	26,340.74	1,478.72
85	8" DR18 Water Pipe	141,537.40			64,699.78	64,699.78	45.71	76,837.62	3,234.99
86	6" DR18 Water Pipe	70,027.10			25,961.00	25,961.00	37.07	44,066.10	1,298.05
87	6" SCH40 Water Pipe	1,734.71			457.30	457.30	26.36	1,277.41	22.87
88	4" DR18 Water Pipe	19,428.36			4,633.03	4,633.03	23.85	14,795.33	231.65
89	2" SCH40 Water Pipe	7,117.94			1,424.41	1,424.41	20.01	5,693.53	71.22
90	10" MJ Tee	1,618.27			791.35	791.35	48.90	826.92	39.57
91	10" MJ 90 Bend	2,032.52			1,111.43	1,111.43	54.68	921.09	55.57
92	10" MJ 11.25 Bend	4,128.60			3,067.54	3,067.54	74.30	1,061.06	153.38
93	10" X 8" MJ Tee	2,884.48			1,421.30	1,421.30	49.27	1,463.18	71.07
94	10" X 8" MJ Reducer	2,433.90			1,115.90	1,115.90	45.85	1,318.00	55.80
95	10" MJ 45 Bend	8,497.44			4,107.18	4,107.18	48.33	4,390.26	205.36
96	8" MJ Tee	7,810.96			4,255.18	4,255.18	54.48	3,555.78	212.76
97	8" MJ 45 Bends	16,315.44			7,518.33	7,518.33	46.08	8,797.11	375.92
98	8" X 4" MJ Tee	822.27			412.07	412.07	50.11	410.20	20.60
99	8" X 6" MJ Reducer	706.41			333.39	333.39	47.19	373.02	16.67
100	8" X 4" MJ Reducer	1,139.94			474.18	474.18	41.60	665.76	23.71
	GRAND TOTAL								

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101	8" MJ Plug	978.58			356.80	356.80	36.46	621.78	17.84
102	6" MJ Tee	1,702.68			768.62	768.62	45.14	934.06	38.43
103	6" MJ 45 Bend	10,043.76			5,237.44	5,237.44	52.15	4,806.32	261.87
104	6" MJ Plug	578.32			276.57	276.57	47.82	301.75	13.83
105	4" MJ 45 Bend	6,894.34			3,752.10	3,752.10	54.42	3,142.24	187.61
106	4" MJ 22.5 Bend	553.96			222.13	222.13	40.10	331.83	11.11
107	8" MJ Gate Valve W/Box/Tag	45,202.68			31,112.61	31,112.61	68.83	14,090.07	1,555.63
108	6" MJ Gate Valve W/Box/Tag	15,620.76			10,285.81	10,285.81	65.85	5,334.95	514.29
109	2" MJ Gate Valve W/Box/Tag	751.35			419.69	419.69	55.86	331.66	20.98
110	Sample Point	6,526.70						6,526.70	
111	3/4" Water Service	1,604.59			336.88	336.88	20.99	1,267.71	16.84
112	Fire Hydrant Assembly	73,648.17			49,153.93	49,153.93	66.74	24,494.24	2,457.70
113	Single Short Water Serv	26,372.49			16,974.13	16,974.13	64.36	9,398.36	848.71
114	Single Long Water Serv	16,521.12			10,690.62	10,690.62	64.71	5,830.50	534.53
115	Double Short Water Serv	53,578.04			34,589.84	34,589.84	64.56	18,988.20	1,729.49
116	Double Long Water Serv	41,930.64			27,070.32	27,070.32	64.56	14,860.32	1,353.52
117	2" Irrigation Service	6,800.61			3,116.52	3,116.52	45.83	3,684.09	155.83
118	2" Irrigation Service	6,800.61			3,116.52	3,116.52	45.83	3,684.09	155.83
119	Testing And Bactees	8,078.22			325.00	325.00	4.02	7,753.22	16.25
120	Irrigation Sleeves								
121	4" SCH40 Irrigation Sleeves	4,649.40						4,649.40	
122	SITE CLEAR & Demo								
123	Disk Site & Tree Demo, Remove	617,084.15	222,150.30	240,662.82		462,813.12	75.00	154,271.03	23,140.65
124	Well Abandonment Allowance	20,000.00						20,000.00	
125	Earthwork								
	GRAND TOTAL								

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AIA® Document G703™ – 1992

Continuation Sheet

AIA Document G702™–1992, Application and Certificate for Payment, or G732™–2009, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.
In tabulations below, amounts are in US dollars.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:
APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750 H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
126	Cut Out Proposed Areas	1,179,007.01		212,221.26		212,221.26	18.00	966,785.75	10,611.06
127	Bahia Sod - Pond	304,308.72						304,308.72	
128	Seed & Mulch In Phase 1	60,859.45						60,859.45	
129	Seed & Mulch Phase 2	29,607.30						29,607.30	
130	Retaining Wall								
131	Stack Stone Retain	77,992.08						77,992.08	
132	SIMMONS LOOP ROAD SCOP								
133	Maintenance Of Traffic	175,117.34		17,511.73		17,511.73	10.00	157,605.61	875.59
134	Sawcut & Match Existing	8,811.98						8,811.98	
135	1.25" Milling Remain Asphalt	24,236.91						24,236.91	
136	1.25" SP 9.5 Asphalt Overlay	22,015.95						22,015.95	
137	1.5" SP-12.5 Asphalt Widening	28,177.99						28,177.99	
138	12" Limerock Base For Asphalt	45,693.71						45,693.71	
139	6' Wide Stabilized Shoulder	12,655.75						12,655.75	
140	Type F Curb	15,812.55						15,812.55	
141	Flared End Of Curb	1,161.96						1,161.96	
142	5' Concrete Offsite Side 4"	86,682.96						86,682.96	
143	ADA Handi Ramp Type CR-E	8,367.03						8,367.03	
144	Gravity Wall W/Handrail	211,207.19						211,207.19	
145	Signing & Striping Offsite	26,120.77						26,120.77	
146	19" X 30" ERCP Pipe	6,463.08						6,463.08	
147	Type P-4 Curb Inlet	6,790.29						6,790.29	
148	Dewatering Storm Install	1,338.12						1,338.12	
149	Bahia Sod - ROW	20,107.28						20,107.28	
150	CO1 EMPIRE PIPE & SUPPLY	-910,665.35		-910,665.35		-910,665.35	100.00		-45,533.27
	GRAND TOTAL								

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AIA® Document G703™ – 1992

Continuation Sheet

AIA Document G702™–1992, Application and Certificate for Payment, or G732™–2009, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.
In tabulations below, amounts are in US dollars.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:
APPLICATION DATE: 3
PERIOD TO: 6/30/2026
ARCHITECT'S PROJECT NO: 6/30/2026

A	B	C	D	E	F	G		26-750 H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
151	CO2 DELZOTTO PO CREDIT	-27,361.53		-27,361.53		-27,361.53	100.00		-1,368.08
152	CO3 MACK ODP PO CREDIT	-884,383.62		-884,383.62		-884,383.62	100.00		-44,219.18
	Totals GRAND TOTAL	7,746,211.51	453,987.22	-848,030.38	1,864,033.24	1,469,990.08	18.98	6,276,221.43	73,499.53

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26-750 Schaller Preserve

Draw 3 6/30

UNIT PRICE SCHEDULE OF VALUES

A	B	C	D	E	F	G	H	I	J	K	L	M
					WORK COMPLETED							
ITEM NO. (Includes MBE Extension)	DESCRIPTION	SCHEDULED VALUE	QUANTITY	UNIT PRICE	PREVIOUSLY COMPLETED	COMPLETED THIS PERIOD (QUANTITY)	THIS PERIOD COSTS	MATERIALS PRESENTLY STORED	TOTAL STORED AND COMPLETED TO DATE	% COMPLETE	BALANCE TO FINISH	TOTAL RETAINAGE TO DATE
1	**GENERAL CONDITIONS**	**$485,566.37**			**$163,830.32**		**$20,809.33**	**$0.00**	**$184,639.65**	**46.40%**	**$300,926.72**	**$9,231.98**
2	Mobilization	$38,752.50	1.000	$38,752.50	$19,376.25		$0.00		$19,376.25	50.00%	$19,376.25	$968.81
3	Maintenance Of Traffic	$1,829.06	1.000	$1,829.06	$457.27	0.25	$457.27		$914.53	50.00%	$914.53	$45.73
4	Construction Layout & As-Builts - Phase 1	$295,355.69	1.000	$295,355.69	$50,210.47	0.05	$14,767.78		$64,978.25	22.00%	$230,377.44	$3,248.91
5	Soil Testing - Phase 1	$55,842.78	1.000	$55,842.78	$0.00	0.10	$5,584.28		$5,584.28	10.00%	$50,258.50	$279.21
6	Payment & Performance Bond	$93,786.34	1.000	$93,786.34	$93,786.34		$0.00		$93,786.34	100.00%	$0.00	$4,689.32
7	**EROISON CONTROL**	**$86,807.81**			**$68,006.58**		**$4,120.66**	**$0.00**	**$72,127.24**	**58.33%**	**$14,680.57**	**$3,606.36**
8	Type III Silt Fence - Double Row	$55,632.39	21153.000	$2.63	$55,632.39		$0.00		$55,632.39	100.00%	$0.00	$2,781.62
9	Type III Silt Fence - Single Row	$7,694.28	5829.000	$1.32	$7,694.28		$0.00		$7,694.28	100.00%	$0.00	$384.71
10	Temporary Construction Entrance - 15' X 25'	$9,006.51	3.000	$3002.17	$3,002.17	1.00	$3,002.17		$6,004.34	66.67%	$3,002.17	$300.22
11	Inlet Protection W/ Filter	$3,289.70	10.000	$328.97	$0.00		$0.00		$0.00	0.00%	$3,289.70	$0.00
12	SWPPP Monitoring	$11,184.93	1.000	$11184.93	$1,677.74	0.10	$1,118.49		$2,796.23	25.00%	$8,388.70	$139.81
13	**ASPHALT & BASE**	**$715,858.23**			**$0.00**		**$0.00**	**$0.00**	**$0.00**	**0.00%**	**$715,858.23**	**$0.00**
14	12" Stabilized Subgrade (LBR 40)	$152,856.48	22512.000	$6.79	$0.00		$0.00		$0.00	0.00%	$152,856.48	$0.00
15	6" Limerock Base For Asphalt Pavement	$260,720.16	18309.000	$14.24	$0.00		$0.00		$0.00	0.00%	$260,720.16	$0.00
16	1.5" SP-9.5 Asphalt Pavement	$302,281.59	18309.000	$16.51	$0.00		$0.00		$0.00	0.00%	$302,281.59	$0.00
17	**Concrete**	**$327,177.08**			**$0.00**		**$0.00**	**$0.00**	**$0.00**	**0.00%**	**$327,177.08**	**$0.00**
18	Type D Curb	$8,283.63	419.000	$19.77	$0.00		$0.00		$0.00	0.00%	$8,283.63	$0.00
19	Type F Curb	$13,356.90	582.000	$22.95	$0.00		$0.00		$0.00	0.00%	$13,356.90	$0.00
20	Miami Curb	$244,398.70	13910.000	$17.57	$0.00		$0.00		$0.00	0.00%	$244,398.70	$0.00
21	2' Transition Curb	$206.55	9.000	$22.95	$0.00		$0.00		$0.00	0.00%	$206.55	$0.00
22	Mail Kiosk Pad	$10,141.56	858.000	$11.82	$0.00		$0.00		$0.00	0.00%	$10,141.56	$0.00
23	4' Onsite Concrete Sidewalk - 4" Thick	$18,393.54	638.000	$28.83	$0.00		$0.00		$0.00	0.00%	$18,393.54	$0.00
24	4' Concrete Sidewalk - 4" Thick @ Amenity Area	$8,490.60	1060.000	$8.01	$0.00		$0.00		$0.00	0.00%	$8,490.60	$0.00
25	ADA Handicap Ramp Type CR-E *W/ Detectable Warning	$23,905.60	20.000	$1195.28	$0.00		$0.00		$0.00	0.00%	$23,905.60	$0.00
26	**Striping and Signage**	**$40,121.07**			**$0.00**		**$0.00**	**$0.00**	**$0.00**	**0.00%**	**$40,121.07**	**$0.00**
27	EA), Handicap Signs F&I (2 EA), Handicap Symbols Painted (2 EA), 6" White Paint (540 FT), Concrete Car Stops F&I (2 EA), Temp Paint (1 EA), 24" White Stop Bars Thermoplastic (1 EA)	$3,322.84	1.000	$3322.84	$0.00		$0.00		$0.00	0.00%	$3,322.84	$0.00
28	Signing & Striping : R1-1 30" W/D3's F&I (16 EA), D3's F&I (1 EA), R2-1 25mph F&I (7 EA), OM4-1 F&I (11 EA), Temp Paint (1 EA), 24" White Stop Bars Thermoplastic (17 EA), 12" White Crosswalks	$36,798.23	1.000	$36798.23	$0.00		$0.00		$0.00	0.00%	$36,798.23	$0.00
29	**STORM SYSTEM**	**$2,678,942.31**			**$0.00**		**$241,006.71**	**$1,153,386.46**	**$1,394,393.17**	**48.57%**	**$1,284,549.14**	**$69,719.66**
30	19" X 30" ERCP Pipe	$56,314.96	346.000	$162.76	$0.00	176.00	$28,645.76	$92.56	$28,738.32	51.03%	$27,576.64	$1,436.92
31	14" X 23" ERCP Pipe	$2,888.86	26.000	$111.11	$0.00		$0.00	$5.81	$5.81	0.20%	$2,883.05	$0.29
32	42" ADS HP Storm Pipe	$94,088.16	586.000	$160.56	$0.00		$0.00	$54,461.54	$54,461.54	57.88%	$39,626.62	$2,723.08
33	36" ADS HP Storm Pipe	$145,789.18	1114.000	$130.87	$0.00	675.00	$88,337.25	$82,220.22	$170,557.47	116.99%	-$24,768.29	$8,527.87
34	30" ADS HP Storm Pipe	$150,255.14	1246.000	$120.59	$0.00	123.00	$14,832.57	$83,160.86	$97,993.43	65.22%	$52,261.71	$4,899.67
35	24" ADS HP Storm Pipe	$194,930.40	2264.000	$86.10	$0.00	121.00	$10,418.10	$94,752.89	$105,170.99	53.95%	$89,759.41	$5,258.55
36	18" ADS Storm Pipe	$105,801.24	1668.000	$63.43	$0.00	61.00	$3,869.23	$42,449.18	$46,318.41	43.78%	$59,482.83	$2,315.92
37	72" W X 24" H Box Culvert *** Includes Wing Walls	$861,167.70	729.000	$1181.30	$0.00		$0.00	$431,924.79	$431,924.79	50.16%	$429,242.91	$21,596.24
38	14" X 23" Single Headwall	$6,523.76	2.000	$3261.88	$0.00		$0.00	$673.57	$673.57	10.32%	$5,850.19	$33.68
39	19" X 30" Double Headwall	$58,361.28	16.000	$3647.58	$0.00		$0.00	$34,517.13	$34,517.13	59.14%	$23,844.15	$1,725.86
40	42" Concrete U Endwall	$9,712.77	1.000	$9712.77	$0.00			$5,423.30	$5,423.30	55.84%	$4,289.47	$271.17
41	36" Concrete U Endwall	$19,000.80	3.000	$6333.60	$0.00			$8,755.28	$8,755.28	46.08%	$10,245.52	$437.76
42	24" Concrete U Endwall	$21,376.14	6.000	$3562.69	$0.00	2.00		$13,202.73	$13,202.73	61.76%	$8,173.41	$660.14
43	18" Concrete U Endwall	$11,547.40	4.000	$2886.85	$0.00			$7,038.46	$7,038.46	60.95%	$4,508.94	$351.92
44	Type J-8 Storm Manhole	$35,038.96	4.000	$8759.74	$0.00		$0.00	$26,162.04	$26,162.04	74.67%	$8,876.92	$1,308.10

45	Type P-8 Storm Manhole	$34,061.40	6.000	$5676.90	$0.00	2.00	$11,353.80	$18,897.04	$30,250.84	88.81%	$3,810.56	$1,512.54
46	Type D Inlet	$114,682.26	14.000	$8191.59	$0.00		$0.00	$35,903.74	$35,903.74	31.31%	$78,778.52	$1,795.19
47	Type F Inlet	$12,544.20	2.000	$6272.10	$0.00		$0.00	$7,799.25	$7,799.25	62.17%	$4,744.95	$389.96
48	Type V Inlet	$87,363.77	13.000	$6720.29	$0.00		$0.00	$60,706.93	$60,706.93	69.49%	$26,656.84	$3,035.35
49	Type 6 Curb Inlet	$226,476.08	31.000	$7305.68	$0.00	6.00	$43,834.08	$137,612.18	$181,446.26	80.12%	$45,029.82	$9,072.31
50	Type C Inlet	$12,868.26	2.000	$6434.13	$0.00		$0.00	$7,626.96	$7,626.96	59.27%	$5,241.30	$381.35
51	Rip Rap Area @ MES	$12,771.78	1294.000	$9.87	$0.00		$0.00		$0.00	0.00%	$12,771.78	$0.00
52	Rip Rap Rubble @ Spreader Swale	$87,174.07	10541.000	$8.27	$0.00		$0.00		$0.00	0.00%	$87,174.07	$0.00
53	Dewatering Storm Installation	$264,772.79	1.000	$264772.79	$0.00	0.15	$39,715.92		$39,715.92	15.00%	$225,056.87	$1,985.80
54	Light Clean & Video	$53,430.95	1.000	$53430.95	$0.00		$0.00		$0.00	0.00%	$53,430.95	$0.00
55	**SANITARY SYSTEM**	**$960,495.72**			**$0.00**		**$147,066.01**	**$266,639.36**	**$413,705.37**	**50.35%**	**$546,790.35**	**$20,685.27**
56	8" DR26 Sanitary Pipe	$230,700.16	6464.000	$35.69	$0.00	903.00	$32,228.07	$68,149.46	$100,377.53	43.51%	$130,322.63	$5,018.88
57	12" Steel Casing Jack & Bore	$38,140.41	121.000	$315.21	$0.00		$0.00	$2,122.02	$2,122.02	5.56%	$36,018.39	$106.10
58	4' Ø Sanitary Manhole 0-6'	$55,942.80	8.000	$6992.85	$0.00		$0.00		$0.00	0.00%	$55,942.80	$0.00
59	4' Ø Sanitary Manhole 6-8'	$72,883.08	9.000	$8098.12	$0.00		$0.00	$30,041.00	$30,041.00	41.22%	$42,842.08	$1,502.05
60	4' Ø Sanitary Manhole 8-10'	$46,437.95	5.000	$9287.59	$0.00	1.00	$9,287.59	$20,469.00	$29,756.59	64.08%	$16,681.36	$1,487.83
61	4' Ø Sanitary Manhole 10-12'	$25,008.57	3.000	$8336.19	$0.00	1.00	$8,336.19	$13,590.00	$21,926.19	87.67%	$3,082.38	$1,096.31
62	4' Ø Sanitary Manhole 12-14'	$26,209.58	2.000	$13104.79	$0.00	1.00	$13,104.79	$5,580.00	$18,684.79	71.29%	$7,524.79	$934.24
63	4' Ø Sanitary Manhole 14-16'	$12,847.37	1.000	$12847.37	$0.00	1.00	$12,847.37		$12,847.37	100.00%	$0.00	$642.37
64	4' Ø Sanitary Manhole 14-16' 8in Walls AGRU	$12,350.35	1.000	$12350.35	$0.00	0.80	$9,880.28		$9,880.28	80.00%	$2,470.07	$494.01
65	Single Sanitary Service (Auburndale)	$53,588.08	56.000	$956.93	$0.00	2.00	$1,913.86	$26,859.67	$28,773.53	53.69%	$24,814.55	$1,438.68
66	Double Sanitary Service (Auburndale)	$164,664.36	84.000	$1960.29	$0.00	8.00	$15,682.32	$98,070.50	$113,752.82	69.08%	$50,911.54	$5,687.64
67	8" X 6" Cleanout Terminal	$2,309.94	3.000	$769.98	$0.00		$0.00	$1,318.28	$1,318.28	57.07%	$991.66	$65.91
68	8" Cleanout Assembly End Line	$769.98	1.000	$769.98	$0.00		$0.00	$439.43	$439.43	57.07%	$330.55	$21.97
69	Dewatering Sanitary Installation	$175,142.16	1.000	$175142.16	$0.00	0.25	$43,785.54		$43,785.54	25.00%	$131,356.62	$2,189.28
70	TV And Air Testing – Gravity Line	$43,500.93	1.000	$43500.93	$0.00		$0.00		$0.00	0.00%	$43,500.93	$0.00
71	**FORCEMAIN & LIFT STATION SYSTEM**	**$509,633.49**			**$0.00**		**$90,981.60**	**$70,538.50**	**$161,520.10**	**38.07%**	**$348,113.40**	**$8,076.00**
72	Lift Station (Public) – 8' Diameter Wet Well, Valve Box, (2 EA) 25 HP – 3 Phase – 230V Pumps , 4" Concrete Pad, 6" Driveway & Turn Around, 6' Black Chain Link Fence & Gates W/Pad Lock, Washdown	$363,926.38	1.000	$363926.38	$0.00	0.25	$90,981.60	$36,289.08	$127,270.68	34.97%	$236,655.71	$6,363.53
73	12" Steel Casing Jack & Bore	$39,498.60	60.000	$658.31	$0.00		$0.00	$4,064.17	$4,064.17	10.29%	$35,434.43	$203.21
74	6" DR18 Green Forcemain Pipe	$83,282.32	1672.000	$49.81	$0.00		$0.00	$16,969.05	$16,969.05	20.38%	$66,313.27	$848.45
75	6" MJ 45 Bend	$8,083.10	10.000	$808.31	$0.00		$0.00	$4,780.22	$4,780.22	59.14%	$3,302.88	$239.01
76	6" MJ 11.25 Bend	$3,624.90	5.000	$724.98	$0.00		$0.00	$2,661.25	$2,661.25	73.42%	$963.65	$133.06
77	ARV Valve/Box/Tag W/Vault	$8,454.86	1.000	$8454.86	$0.00		$0.00	$5,774.73	$5,774.73	68.30%	$2,680.13	$288.74
78	Pressure Testing – Force Main	$2,763.33	1.000	$2763.33	$0.00		$0.00		$0.00	0.00%	$2,763.33	$0.00
79	**POTABLE WATER SYTEM**	**$769,750.96**			**$0.00**		**$0.00**	**$373,468.92**	**$373,468.92**	**46.46%**	**$396,282.04**	**$18,673.45**
80	12" Wet Tap W/Valve/Box/Tag	$9,646.54	1.000	$9646.54	$0.00		$0.00	$5,664.78	$5,664.78	58.72%	$3,981.76	$283.24
81	6" Wet Tap W/Valve/Box/Tag	$3,588.64	1.000	$3588.64	$0.00		$0.00	$2,521.19	$2,521.19	70.25%	$1,067.45	$126.06
82	Temporary Backflow Assembly – Jumper	$3,069.74	1.000	$3069.74	$0.00		$0.00	$1,130.25	$1,130.25	36.82%	$1,939.49	$56.51
83	18" Steel Casing Jack & Bore	$85,107.60	120.000	$709.23	$0.00		$0.00	$14,989.46	$14,989.46	17.61%	$70,118.14	$749.47
84	10" DR18 Water Pipe	$55,915.08	876.000	$63.83	$0.00		$0.00	$29,574.34	$29,574.34	52.89%	$26,340.74	$1,478.72
85	8" DR18 Water Pipe	$141,537.40	3335.000	$42.44	$0.00		$0.00	$64,699.78	$64,699.78	45.71%	$76,837.62	$3,234.99
86	6" DR18 Water Pipe	$70,027.10	2158.000	$32.45	$0.00		$0.00	$25,961.00	$25,961.00	37.07%	$44,066.10	$1,298.05
87	6" SCH40 Water Pipe	$1,734.71	41.000	$42.31	$0.00		$0.00	$457.30	$457.30	26.36%	$1,277.41	$22.87
88	4" DR18 Water Pipe	$19,428.36	916.000	$21.21	$0.00		$0.00	$4,633.03	$4,633.03	23.85%	$14,795.33	$231.65
89	2" SCH40 Water Pipe *Irrigation Service	$7,117.94	479.000	$14.86	$0.00		$0.00	$1,424.41	$1,424.41	20.01%	$5,693.53	$71.22
90	10" MJ Tee	$1,618.27	1.000	$1618.27	$0.00		$0.00	$791.35	$791.35	48.90%	$826.92	$39.57
91	10" MJ 90 Bend	$2,032.52	2.000	$1016.26	$0.00		$0.00	$1,111.43	$1,111.43	54.68%	$921.09	$55.57
92	10" MJ 11.25 Bend	$4,128.60	6.000	$688.10	$0.00		$0.00	$3,067.54	$3,067.54	74.30%	$1,061.06	$153.38

93	10" X 8" MJ Tee	$2,884.48	2.000	$1442.24	$0.00		$0.00	$1,421.30	$1,421.30	49.27%	$1,463.18	$71.07
94	10" X 8" MJ Reducer	$2,433.90	3.000	$811.30	$0.00		$0.00	$1,115.90	$1,115.90	45.85%	$1,318.00	$55.80
95	10" MJ 45 Bend	$8,497.44	8.000	$1062.18	$0.00		$0.00	$4,107.18	$4,107.18	48.33%	$4,390.26	$205.36
96	8" MJ Tee	$7,810.96	8.000	$976.37	$0.00		$0.00	$4,255.18	$4,255.18	54.48%	$3,555.78	$212.76
97	8" MJ 45 Bends	$16,315.44	24.000	$679.81	$0.00		$0.00	$7,518.33	$7,518.33	46.08%	$8,797.11	$375.92
98	8" X 4" MJ Tee	$822.27	1.000	$822.27	$0.00		$0.00	$412.07	$412.07	50.11%	$410.20	$20.60
99	8" X 6" MJ Reducer	$706.41	1.000	$706.41	$0.00		$0.00	$333.39	$333.39	47.19%	$373.02	$16.67
100	8" X 4" MJ Reducer	$1,139.94	2.000	$569.97	$0.00		$0.00	$474.18	$474.18	41.60%	$665.76	$23.71
101	8" MJ Plug	$978.58	2.000	$489.29	$0.00		$0.00	$356.80	$356.80	36.46%	$621.78	$17.84
102	6" MJ Tee	$1,702.68	2.000	$851.34	$0.00		$0.00	$768.62	$768.62	45.14%	$934.06	$38.43
103	6" MJ 45 Bend	$10,043.76	24.000	$418.49	$0.00		$0.00	$5,237.44	$5,237.44	52.15%	$4,806.32	$261.87
104	6" MJ Plug	$578.32	2.000	$289.16	$0.00		$0.00	$276.57	$276.57	47.82%	$301.75	$13.83
105	4" MJ 45 Bend	$6,894.34	19.000	$362.86	$0.00		$0.00	$3,752.10	$3,752.10	54.42%	$3,142.24	$187.61
106	4" MJ 22.5 Bend	$553.96	2.000	$276.98	$0.00		$0.00	$222.13	$222.13	40.10%	$331.83	$11.11
107	8" MJ Gate Valve W/Box/Tag	$45,202.68	18.000	$2511.26	$0.00		$0.00	$31,112.61	$31,112.61	68.83%	$14,090.07	$1,555.63
108	6" MJ Gate Valve W/Box/Tag	$15,620.76	9.000	$1735.64	$0.00		$0.00	$10,285.81	$10,285.81	65.85%	$5,334.95	$514.29
109	2" MJ Gate Valve W/Box/Tag	$751.35	1.000	$751.35	$0.00		$0.00	$419.69	$419.69	55.86%	$331.66	$20.98
110	Sample Point	$6,526.70	10.000	$652.67	$0.00		$0.00		$0.00	0.00%	$6,526.70	$0.00
111	3/4" Water Service (Trash Enclosure Wash Service)	$1,604.59	1.000	$1604.59	$0.00		$0.00	$336.88	$336.88	20.99%	$1,267.71	$16.84
112	Fire Hydrant Assembly - 8"X 6"	$73,648.17	9.000	$8183.13	$0.00		$0.00	$49,153.93	$49,153.93	66.74%	$24,494.24	$2,457.70
113	Single Short Water Service (Auburndale)	$26,372.49	23.000	$1146.63	$0.00		$0.00	$16,974.13	$16,974.13	64.36%	$9,398.36	$848.71
114	Single Long Water Service (Auburndale)	$16,521.12	14.000	$1180.08	$0.00		$0.00	$10,690.62	$10,690.62	64.71%	$5,830.50	$534.53
115	Double Short Water Service (Auburndale)	$53,578.04	46.000	$1164.74	$0.00		$0.00	$34,589.84	$34,589.84	64.56%	$18,988.20	$1,729.49
116	Double Long Water Service (Auburndale)	$41,930.64	36.000	$1164.74	$0.00		$0.00	$27,070.32	$27,070.32	64.56%	$14,860.32	$1,353.52
117	2" Irrigation Service W/Backflow Preventer *For Irrigation Service	$6,800.61	1.000	$6800.61	$0.00		$0.00	$3,116.52	$3,116.52	45.83%	$3,684.09	$155.83
118	2" Irrigation Service W/Backflow Preventer *To Amenity Hose	$6,800.61	1.000	$6800.61	$0.00		$0.00	$3,116.52	$3,116.52	45.83%	$3,684.09	$155.83
119	Testing And Bactees	$8,078.22	1.000	$8078.22	$0.00		$0.00	$325.00	$325.00	4.02%	$7,753.22	$16.25
120	**Irrigation Sleeves**	**$4,649.40**			**$0.00**		**$0.00**	**$0.00**	**$0.00**	**0.00%**	**$4,649.40**	**$0.00**
121	4" SCH40 Irrigation Sleeves	$4,649.40	270.000	$17.22	$0.00		$0.00		$0.00	0.00%	$4,649.40	$0.00
122	**SITE CLEARING and Demolition**	**$637,084.15**			**$222,150.29**		**$240,662.82**	**$0.00**	**$462,813.11**	**37.50%**	**$174,271.04**	**$23,140.66**
123	Disk Site (17.0 Acres) & Tree Demo, Remove Existing Fence & Gates (2,084 FT), Remove Existing Building/ Structure (Including Foundation And Utilities) (1,598 SF), Remove Existing Concrete Pavement (6,194 ST), Remove Existing Drainage Structure (2 EA)	$617,084.15	1.000	$617084.15	$222,150.29	0.39	$240,662.82		$462,813.11	75.00%	$154,271.04	$23,140.66
124	Well Abandonment Allowance	$20,000.00	1.000	$20000.00	$0.00		$0.00		$0.00	0.00%	$20,000.00	$0.00
125	**Earthwork**	**$1,573,782.48**			**$0.00**		**$212,221.26**	**$0.00**	**$212,221.26**	**4.50%**	**$1,361,561.22**	**$10,611.06**
126	Cut Out Proposed Areas Using Cut Of Materials Placed And Compacted As Needed, And Final Grade At These Scopes Completion For Phase 1. Mass Grade Phase 2. Site Is To Balance.	$1,179,007.01	1.000	$1179007.01	$0.00	0.18	$212,221.26		$212,221.26	18.00%	$966,785.75	$10,611.06
127	Bahia Sod - Pond Slopes, Side Slopes, & ROW	$304,308.72	102807.000	$2.96	$0.00		$0.00		$0.00	0.00%	$304,308.72	$0.00
128	Seed & Mulch - Disturbed Areas In Phase 1	$60,859.45	37.000	$1644.85	$0.00		$0.00		$0.00	0.00%	$60,859.45	$0.00
129	Seed & Mulch - Disturbed Areas In Phase 2	$29,607.30	18.000	$1644.85	$0.00		$0.00		$0.00	0.00%	$29,607.30	$0.00
130	**Retaining Wall**	**$77,992.08**			**$0.00**		**$0.00**		**$0.00**	**0.00%**	**$77,992.08**	**$0.00**
131	Stack Stone Retaining Wall W/ Handrail	$77,992.08	852.000	$91.54	$0.00		$0.00		$0.00	0.00%	$77,992.08	$0.00
132	**Saddle Creek**	**$700,760.86**			**$0.00**		**$17,511.73**	**$0.00**	**$17,511.73**	**0.59%**	**$683,249.13**	**$875.59**
133	Maintenance Of Traffic	$175,117.34	1.000	$175117.34	$0.00	0.10	$17,511.73		$17,511.73	10.00%	$157,605.61	$875.59
134	Sawcut & Match Existing Asphalt	$8,811.98	1186.000	$7.43	$0.00		$0.00		$0.00	0.00%	$8,811.98	$0.00
135	1.25" Milling Remaining Asphalt To The Edge Line	$24,236.91	1367.000	$17.73	$0.00		$0.00		$0.00	0.00%	$24,236.91	$0.00
136	1.25" SP 9.5 Asphalt Overlay	$22,015.95	1213.000	$18.15	$0.00		$0.00		$0.00	0.00%	$22,015.95	$0.00
137	1.5" SP-12.5 Asphalt Widening	$28,177.99	1213.000	$23.23	$0.00		$0.00		$0.00	0.00%	$28,177.99	$0.00
138	12" Limerock Base For Asphalt Widening	$45,693.71	1213.000	$37.67	$0.00		$0.00		$0.00	0.00%	$45,693.71	$0.00

139	6' Wide Stabilized Shoulder	$12,655.75	713.000	$17.75	$0.00		$0.00		$0.00	0.00%	$12,655.75	$0.00
140	Type F Curb	$15,812.55	689.000	$22.95	$0.00		$0.00		$0.00	0.00%	$15,812.55	$0.00
141	Flared End Of Curb	$1,161.96	4.000	$290.49	$0.00		$0.00		$0.00	0.00%	$1,161.96	$0.00
142	5' Concrete Offsite Sidewalk - 4"	$86,682.96	2646.000	$32.76	$0.00		$0.00		$0.00	0.00%	$86,682.96	$0.00
143	ADA Handicap Ramp Type CR-E *W/ Detectable Warning	$8,367.03	7.000	$1195.29	$0.00		$0.00		$0.00	0.00%	$8,367.03	$0.00
144	Gravity Wall W/Handrail	$211,207.19	571.000	$369.89	$0.00		$0.00		$0.00	0.00%	$211,207.19	$0.00
145	Signing & Striping - Offsite : Hydroblasting -6" Yellow (2170 FT) -18" Yellow (125 FT) , Emergency Vehicles Only Signs F&I (2 EA), R7-2 F&I (2EA), OM4-1 F&I (5 EA), Temp Paint (1 LS), 6" White Thermoplastic (1,700 FT), 6" Yellow Thermoplastic (2,080 FT), 18" Yellow Thermoplastic (180 FT),	$26,120.77	1.000	$26120.77	$0.00		$0.00		$0.00	0.00%	$26,120.77	$0.00
146	19"X 30" ERCP Pipe	$6,463.08	36.000	$179.53	$0.00		$0.00		$0.00	0.00%	$6,463.08	$0.00
147	Type P-4 Curb Inlet - Doghouse	$6,790.29	1.000	$6790.29	$0.00		$0.00		$0.00	0.00%	$6,790.29	$0.00
148	Dewatering Storm Installation	$1,338.12	1.000	$1338.12	$0.00		$0.00		$0.00	0.00%	$1,338.12	$0.00
149	Bahia Sod - ROW	$20,107.28	6793.000	$2.96	$0.00		$0.00		$0.00	0.00%	$20,107.28	$0.00
150	**CHANGE ORDERS**	**-$1,822,410.50**		**-$1,822,410.50**			**-$1,822,410.50**	**$0.00**	**-$1,822,410.50**		**$0.00**	**-$91,120.53**
151	CO 1 - Empire ODP Credit	-$910,665.35	1.000	-910665.35	$0.00	1.00	-$910,665.35		-$910,665.35	100.00%	$0.00	-$45,533.27
152	CO 2 - Del Zotta ODP Credit	-$27,361.53	1.000	-27361.53		1.00	-$27,361.53		-$27,361.53	100.00%	$0.00	-$1,368.08
153	CO 3 - Mack Concrete ODP Credit	-$884,383.62	1.000	-884383.62		1.00	-$884,383.62		-$884,383.62	100.00%	$0.00	-$44,219.18
154		$0.00					$0.00		$0.00	#DIV/0!	$0.00	$0.00
155		$0.00					$0.00		$0.00	#DIV/0!	$0.00	$0.00
		$0.00					$0.00		$0.00	#DIV/0!	$0.00	$0.00
TOTALS	**Project Totals**	**$7,746,211.51**			**$453,987.20**		**-$848,030.38**	**$1,864,033.24**	**$1,469,990.05**	**22.05%**	**$6,276,221.46**	**$73,499.50**

$1,016,002.86

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 11

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Mack Industries

(D) Amount Payable: $447,939.24

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # MCI160785 160817 160841 160911 160944 161007 161068 161110 161148 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/13/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ruby Todd
Consulting Engineer

Date: 07.10.2026

#11

DPO Invoice Tracking Spreadsheet

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted
Mack Industries	MCI000160785	6/11/2026	6/30/2026	$ 21,819.60	6/30/2026
Mack Industries	MCI000160817	6/12/2026	6/30/2026	$ 111,713.52	6/30/2026
Mack Industries	MCI000160841	6/15/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000160911	6/17/2026	6/30/2026	$ 11,335.00	6/30/2026
Mack Industries	MCI000160944	6/18/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161007	6/22/2026	6/30/2026	$ 172,153.52	6/30/2026
Mack Industries	MCI000161068	6/24/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161110	6/26/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161148	6/29/2026	6/30/2026	$ 26,183.52	6/30/2026

Total Approved Invoices:	$	447,939.24
Total Billable Credit:	$	474,842.44
PO Total:	$	834,277.00
PO Tax Credit:	$	50,106.62
Remaining PO Balance:	$	386,337.76
Balance Tax Value:	$	23,203.42
Credit to Tucker:	$	409,541.18

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160785
Invoice Date:	6/11/2026
Due Date:	7/11/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To: MCI000160785

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196017	2	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196017	3	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196021	4	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196021	5	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196025	6	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196025	93	F62655	PAINT, CS-55 BLACK		50.000	0.00	0.00
196025	94	F51018	SEALANT,CS-102 1-1/2" x 12.5'		240.000	0.00	0.00
196025	95	F31809	Dowels, Threaded Rebar #4 x 22"		331.000	0.00	0.00
196025	788	F18284J	MH,8'dia,Riser,10"w,87" ID: P2	LS-1R	1.000	0.00	0.00

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	21,819.60
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	21,819.60

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000160817

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	111,713.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	111,713.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

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Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196076	719	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-49	1.000	0.00	0.00
196076	724	F90227	USF 227 RING ID: P5	SS-50	1.000	0.00	0.00
196076	725	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-50	1.000	0.00	0.00
196076	729	F90227	USF 227 RING ID: P4	SS-51	1.000	0.00	0.00
196076	730	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-51	1.000	0.00	0.00
196076	734	F90227	USF 227 RING ID: P4	SS-52	1.000	0.00	0.00
196076	735	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-52	1.000	0.00	0.00
196076	739	F90227	USF 227 RING ID: P4	SS-53	1.000	0.00	0.00
196076	740	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-53	1.000	0.00	0.00
196076	744	F90227	USF 227 RING ID: P4	SS-54	1.000	0.00	0.00
196076	745	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-54	1.000	0.00	0.00
196076	749	F90227	USF 227 RING ID: P4	SS-55	1.000	0.00	0.00
196076	750	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-55	1.000	0.00	0.00
196076	754	F90227	USF 227 RING ID: P4	SS-56	1.000	0.00	0.00
196076	755	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-56	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P1				
196071	684	F14836	MH,4'dia,Cone,Ecc,8"w,36" ID: P2	SS-44	1.000	0.00	0.00
196076	685	F90227	USF 227 RING ID: P4	SS-44	1.000	0.00	0.00
196076	686	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-44	1.000	0.00	0.00
196071	687	F09559	Paint,EW-1 Black	SS-44	2.100	0.00	0.00
196076	690	F90227	USF 227 RING ID: P4	SS-45	1.000	0.00	0.00
196076	691	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-45	1.000	0.00	0.00
196076	695	F90227	USF 227 RING ID: P4	SS-46	1.000	0.00	0.00
196076	696	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-46	1.000	0.00	0.00
196076	700	F90227	USF 227 RING ID: P4	SS-46A	1.000	0.00	0.00
196076	701	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-46A	1.000	0.00	0.00
196076	706	F90227	USF 227 RING ID: P5	SS-47	1.000	0.00	0.00
196076	707	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-47	1.000	0.00	0.00
196076	712	F90227	USF 227 RING ID: P5	SS-48	1.000	0.00	0.00
196076	713	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-48	1.000	0.00	0.00
196076	718	F90227	USF 227 RING ID: P5	SS-49	1.000	0.00	0.00

Invoice

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Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P5				
196076	646	F90227	USF 227 RING ID: P5	SS-37	1.000	0.00	0.00
196076	647	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-37	1.000	0.00	0.00
196076	652	F90227	USF 227 RING ID: P5	SS-38	1.000	0.00	0.00
196076	653	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-38	1.000	0.00	0.00
196076	657	F90227	USF 227 RING ID: P4	SS-39	1.000	0.00	0.00
196076	658	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-39	1.000	0.00	0.00
196076	662	F90227	USF 227 RING ID: P4	SS-40	1.000	0.00	0.00
196076	663	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-40	1.000	0.00	0.00
196076	669	F90227	USF 227 RING ID: P6	SS-41	1.000	0.00	0.00
196076	670	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-41	1.000	0.00	0.00
196076	675	F90227	USF 227 RING ID: P5	SS-42	1.000	0.00	0.00
196076	676	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-42	1.000	0.00	0.00
196076	680	F90227	USF 227 RING ID: P4	SS-43	1.000	0.00	0.00
196076	681	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-43	1.000	0.00	0.00
196071	683	F14536J	(SAN) MH,4'dia,Base,8"w,36"	SS-44	1.000	3,110.00	3,110.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196076	603	F90227	USF 227 RING ID: P4	SS-27	1.000	0.00	0.00
196076	604	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-27	1.000	0.00	0.00
196076	608	F90227	USF 227 RING ID: P4	SS-28	1.000	0.00	0.00
196076	609	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-28	1.000	0.00	0.00
196076	613	F90227	USF 227 RING ID: P4	SS-30	1.000	0.00	0.00
196076	614	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-30	1.000	0.00	0.00
196076	619	F90227	USF 227 RING ID: P5	SS-31	1.000	0.00	0.00
196076	620	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-31	1.000	0.00	0.00
196076	625	F90227	USF 227 RING ID: P5	SS-32	1.000	0.00	0.00
196076	626	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-32	1.000	0.00	0.00
196076	630	F90227	USF 227 RING ID: P4	SS-33	1.000	0.00	0.00
196076	631	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-33	1.000	0.00	0.00
196076	635	F90227	USF 227 RING ID: P4	SS-34	1.000	0.00	0.00
196076	636	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-34	1.000	0.00	0.00
196076	640	F90227	USF 227 RING ID: P4	SS-35	1.000	0.00	0.00
196076	641	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL"	SS-35	1.000	0.00	0.00

Invoice

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ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196073	567	F09559	Paint,EW-1 Black	SS-21	1.800	0.00	0.00
196071	568	F14548J	(SAN) MH,4'dia,Base,8"w,48" ID: P1	SS-22	1.000	5,351.00	5,351.00
196071	569	F14648	MH,4'dia,Riser,8"w,48" ID: P2	SS-22	1.000	0.00	0.00
196071	570	F14648	MH,4'dia,Riser,8"w,48" ID: P3	SS-22	1.000	0.00	0.00
196071	571	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P4	SS-22	1.000	0.00	0.00
196076	572	F90227	USF 227 RING ID: P6	SS-22	1.000	0.00	0.00
196076	573	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-22	1.000	0.00	0.00
196071	574	F09559	Paint,EW-1 Black	SS-22	4.800	0.00	0.00
196076	579	F90227	USF 227 RING ID: P6	SS-23	1.000	0.00	0.00
196076	580	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-23	1.000	0.00	0.00
196076	586	F90227	USF 227 RING ID: P6	SS-24	1.000	0.00	0.00
196076	587	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-24	1.000	0.00	0.00
196076	592	F90227	USF 227 RING ID: P5	SS-25	1.000	0.00	0.00
196076	593	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-25	1.000	0.00	0.00
196076	598	F90227	USF 227 RING ID: P5	SS-26	1.000	0.00	0.00
196076	599	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-26	1.000	0.00	0.00

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FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

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Cust PO:	3
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Currency:	USD
Tax Code:	FL53EX

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P4				
196076	551	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-18	1.000	0.00	0.00
196073	552	F09559	Paint,EW-1 Black	SS-18	2.100	0.00	0.00
196073	553	F14530J	(SAN) MH,4'dia,Base,8"w,30" ID: P1	SS-19	1.000	3,126.00	3,126.00
196073	554	F14836	MH,4'dia,Cone,Ecc,8"w,36" ID: P2	SS-19	1.000	0.00	0.00
196076	555	F90227	USF 227 RING ID: P4	SS-19	1.000	0.00	0.00
196076	556	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-19	1.000	0.00	0.00
196073	557	F09559	Paint,EW-1 Black	SS-19	2.000	0.00	0.00
196073	558	F14536J	(SAN) MH,4'dia,Base,8"w,36" ID: P1	SS-20	1.000	2,723.00	2,723.00
196073	559	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P2	SS-20	1.000	0.00	0.00
196076	560	F90227	USF 227 RING ID: P4	SS-20	1.000	0.00	0.00
196076	561	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-20	1.000	0.00	0.00
196073	562	F09559	Paint,EW-1 Black	SS-20	1.800	0.00	0.00
196073	563	F14536J	(SAN) MH,4'dia,Base,8"w,36" ID: P1	SS-21	1.000	2,723.00	2,723.00
196073	564	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P2	SS-21	1.000	0.00	0.00
196076	565	F90227	USF 227 RING ID: P4	SS-21	1.000	0.00	0.00
196076	566	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-21	1.000	0.00	0.00

Invoice

Remit To:
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Deliver To: 1
ALAN ALBERT
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FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
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Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
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Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P2				
196072	525	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P3	SS-14	1.000	0.00	0.00
196076	526	F90227	USF 227 RING ID: P5	SS-14	1.000	0.00	0.00
196076	527	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-14	1.000	0.00	0.00
196072	528	F09559	Paint,EW-1 Black	SS-14	2.500	0.00	0.00
196072	529	F14548J	(SAN) MH,4'dia,Base,8"w,48" ID: P1	SS-15	1.000	3,835.00	3,835.00
196072	530	F14836	MH,4'dia,Cone,Ecc,8"w,36" ID: P2	SS-15	1.000	0.00	0.00
196076	531	F90227	USF 227 RING ID: P4	SS-15	1.000	0.00	0.00
196076	532	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-15	1.000	0.00	0.00
196072	533	F09559	Paint,EW-1 Black	SS-15	2.500	0.00	0.00
196076	538	F90227	USF 227 RING ID: P6	SS-16	1.000	0.00	0.00
196076	539	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-16	1.000	0.00	0.00
196076	545	F90227	USF 227 RING ID: P6	SS-17	1.000	0.00	0.00
196076	546	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P7	SS-17	1.000	0.00	0.00
196073	548	F14536J	(SAN) MH,4'dia,Base,8"w,36" ID: P1	SS-18	1.000	3,126.00	3,126.00
196073	549	F14836	MH,4'dia,Cone,Ecc,8"w,36" ID: P2	SS-18	1.000	0.00	0.00
196076	550	F90227	USF 227 RING	SS-18	1.000	0.00	0.00

Invoice

Remit To:
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FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
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Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196074	508	F14824	MH,4'dia,Cone,Ecc,8"w,24" ID: P2	SS-11	1.000	0.00	0.00
196076	509	F90227	USF 227 RING ID: P4	SS-11	1.000	0.00	0.00
196076	510	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-11	1.000	0.00	0.00
196074	511	F09559	Paint,EW-1 Black	SS-11	1.700	0.00	0.00
196074	512	F14524J	(SAN) MH,4'dia,Base,8"w,24" ID: P1	SS-12	1.000	2,723.00	2,723.00
196074	513	F14503	TS,64"dia,Bell,24"OS ID: P2	SS-12	1.000	0.00	0.00
196076	514	F90227	USF 227 RING ID: P4	SS-12	1.000	0.00	0.00
196076	515	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-12	1.000	0.00	0.00
196074	516	F09559	Paint,EW-1 Black	SS-12	1.600	0.00	0.00
196074	517	F14524J	(SAN) MH,4'dia,Base,8"w,24" ID: P1	SS-13	1.000	3,835.00	3,835.00
196074	518	F14648	MH,4'dia,Riser,8"w,48" ID: P2	SS-13	1.000	0.00	0.00
196074	519	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P3	SS-13	1.000	0.00	0.00
196076	520	F90227	USF 227 RING ID: P5	SS-13	1.000	0.00	0.00
196076	521	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-13	1.000	0.00	0.00
196074	522	F09559	Paint,EW-1 Black	SS-13	2.800	0.00	0.00
196072	523	F14530J	(SAN) MH,4'dia,Base,8"w,30" ID: P1	SS-14	1.000	3,126.00	3,126.00
196072	524	F14632	MH,4'dia,Riser,8"w,32"	SS-14	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P5				
196076	483	F90227	USF 227 RING ID: P4	SS-06	1.000	0.00	0.00
196076	484	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-06	1.000	0.00	0.00
196076	488	F90227	USF 227 RING ID: P4	SS-07	1.000	0.00	0.00
196076	489	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-07	1.000	0.00	0.00
196076	493	F90227	USF 227 RING ID: P4	SS-08	1.000	0.00	0.00
196076	494	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-08	1.000	0.00	0.00
196074	498	F14818	MH,4'dia,Cone,Ecc,8"w,18" ID: P3	SS-09	1.000	0.00	0.00
196076	499	F90227	USF 227 RING ID: P5	SS-09	1.000	0.00	0.00
196076	500	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-09	1.000	0.00	0.00
196074	502	F14548J	(SAN) MH,4'dia,Base,8"w,48" ID: P1	SS-10	1.000	3,126.00	3,126.00
196074	503	F14836	MH,4'dia,Cone,Ecc,8"w,36" ID: P2	SS-10	1.000	0.00	0.00
196076	504	F90227	USF 227 RING ID: P4	SS-10	1.000	0.00	0.00
196076	505	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-10	1.000	0.00	0.00
196074	506	F09559	Paint,EW-1 Black	SS-10	2.500	0.00	0.00
196074	507	F14530J	(SAN) MH,4'dia,Base,8"w,30" ID: P1	SS-11	1.000	2,723.00	2,723.00

Invoice

Remit To:
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Atlanta, GA 31193-6468

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ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P1				
196076	440	F906607	USF 6607 GRATE ID: P3	CS-8A	1.000	0.00	0.00
196072	442	F22135J	(D BOX) D Box,6"w,46" ID: P1	CS-8B	1.000	3,736.00	3,736.00
196076	443	F906607	USF 6607 GRATE ID: P3	CS-8B	1.000	0.00	0.00
196076	446	F906607	USF 6607 GRATE ID: P3	CS-7	1.000	0.00	0.00
196076	449	F906607	USF 6607 GRATE ID: P3	CS-9	1.000	0.00	0.00
196076	456	F90227	USF 227 RING ID: P7	SS-01	1.000	0.00	0.00
196076	457	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P8	SS-01	1.000	0.00	0.00
196076	462	F90227	USF 227 RING ID: P5	SS-02	1.000	0.00	0.00
196076	463	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-02	1.000	0.00	0.00
196076	468	F90227	USF 227 RING ID: P5	SS-03	1.000	0.00	0.00
196076	469	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P6	SS-03	1.000	0.00	0.00
196076	473	F90227	USF 227 RING ID: P4	SS-04	1.000	0.00	0.00
196076	474	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL" ID: P5	SS-04	1.000	0.00	0.00
196076	478	F90227	USF 227 RING ID: P4	SS-05	1.000	0.00	0.00
196076	479	F89077	USF AS COVER,"C/O Auburndale,SASE,CS,FL"	SS-05	1.000	0.00	0.00

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ALAN ALBERT
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FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

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Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P4				
196076	385	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-902	1.000	0.00	0.00
196076	404	F906607	USF 6607 GRATE ID: P3	CS-1	1.000	0.00	0.00
196076	407	F906606	USF 6606 GRATE ID: P3	CS-2A	1.000	0.00	0.00
196076	410	F906606	USF 6606 GRATE ID: P3	CS-2B	1.000	0.00	0.00
196076	413	F906607	USF 6607 GRATE ID: P3	CS-4A	1.000	0.00	0.00
196076	416	F906607	USF 6607 GRATE ID: P3	CS-4B	1.000	0.00	0.00
196076	419	F906607	USF 6607 GRATE ID: P3	CS-3	1.000	0.00	0.00
196076	422	F906607	USF 6607 GRATE ID: P3	CS-5A	1.000	0.00	0.00
196076	425	F906607	USF 6607 GRATE ID: P3	CS-5B	1.000	0.00	0.00
196076	428	F906607	USF 6607 GRATE ID: P3	CS-5C	1.000	0.00	0.00
196071	430	F22135J	(D BOX) D Box,6"w,49" ID: P1	CS-6A	1.000	3,736.00	3,736.00
196076	431	F906607	USF 6607 GRATE ID: P3	CS-6A	1.000	0.00	0.00
196076	434	F906607	USF 6607 GRATE ID: P3	CS-6B	1.000	0.00	0.00
196076	437	F906607	USF 6607 GRATE ID: P3	CS-6C	1.000	0.00	0.00
196073	439	F22135J	(D BOX) D Box,6"w,46"	CS-8A	1.000	3,736.00	3,736.00

Invoice

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FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

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Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P3				
196076	338	F906310	USF 6310 GRATE ID: P4	DS-609	1.000	0.00	0.00
196076	341	F906310	USF 6310 GRATE ID: P4	DS-610	1.000	0.00	0.00
196076	346	F906310	USF 6310 GRATE ID: P6	DS-701	1.000	0.00	0.00
196076	350	F906310	USF 6310 GRATE ID: P5	DS-702	1.000	0.00	0.00
196076	354	F906310	USF 6310 GRATE ID: P5	DS-703	1.000	0.00	0.00
196076	357	F906310	USF 6310 GRATE ID: P4	DS-704	1.000	0.00	0.00
196076	360	F906310	USF 6310 GRATE ID: P4	DS-705	1.000	0.00	0.00
196076	363	F906310	USF 6310 GRATE ID: P4	DS-706	1.000	0.00	0.00
196076	366	F906310	USF 6310 GRATE ID: P4	DS-801	1.000	0.00	0.00
196076	368	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-802	1.000	0.00	0.00
196076	371	F906310	USF 6310 GRATE ID: P4	DS-803	1.000	0.00	0.00
196076	374	F906310	USF 6310 GRATE ID: P4	DS-804	1.000	0.00	0.00
196076	377	F906310	USF 6310 GRATE ID: P4	DS-805	1.000	0.00	0.00
196076	380	F906310	USF 6310 GRATE ID: P4	DS-806	1.000	0.00	0.00
196076	383	F906310	USF 6310 GRATE	DS-901	1.000	0.00	0.00

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FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
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Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P4				
196076	302	F906310	USF 6310 GRATE ID: P4	DS-520	1.000	0.00	0.00
196072	303	F14136FJ	(P-6) MH,4'dia,Base,5"w,FT,42" ID: P1	DS-521	1.000	1,735.00	1,735.00
196076	305	F906310	USF 6310 GRATE ID: P4	DS-521	1.000	0.00	0.00
196072	306	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,33" ID: P1	DS-522	1.000	1,735.00	1,735.00
196076	308	F906310	USF 6310 GRATE ID: P4	DS-522	1.000	0.00	0.00
196076	311	F906310	USF 6310 GRATE ID: P4	DS-601	1.000	0.00	0.00
196076	313	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-602	1.000	0.00	0.00
196076	316	F906310	USF 6310 GRATE ID: P4	DS-603	1.000	0.00	0.00
196076	319	F90170	USF 170 RING ID: P4	DS-603A	1.000	0.00	0.00
196076	320	F89480	USF E, STORM COVER ID: P5	DS-603A	1.000	0.00	0.00
196076	323	F906310	USF 6310 GRATE ID: P4	DS-604	1.000	0.00	0.00
196076	327	F906310	USF 6310 GRATE ID: P5	DS-605	1.000	0.00	0.00
196076	330	F906310	USF 6310 GRATE ID: P4	DS-606	1.000	0.00	0.00
196076	333	F906310	USF 6310 GRATE ID: P4	DS-607	1.000	0.00	0.00
196076	335	F906657	USF 6657 GRATE (2PC 6647)	DS-608	1.000	0.00	0.00

Invoice

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ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P1				
196076	257	F906310	USF 6310 GRATE ID: P4	DS-504	1.000	0.00	0.00
196076	261	F906310	USF 6310 GRATE ID: P5	DS-505	1.000	0.00	0.00
196076	265	F906310	USF 6310 GRATE ID: P5	DS-506	1.000	0.00	0.00
196076	269	F906310	USF 6310 GRATE ID: P5	DS-507	1.000	0.00	0.00
196076	272	F906310	USF 6310 GRATE ID: P4	DS-508	1.000	0.00	0.00
196076	276	F906310	USF 6310 GRATE ID: P5	DS-509	1.000	0.00	0.00
196076	279	F906310	USF 6310 GRATE ID: P4	DS-510	1.000	0.00	0.00
196076	283	F906310	USF 6310 GRATE ID: P5	DS-511	1.000	0.00	0.00
196076	286	F906310	USF 6310 GRATE ID: P4	DS-512	1.000	0.00	0.00
196076	289	F90170	USF 170 RING ID: P4	DS-515	1.000	0.00	0.00
196076	290	F89480	USF E COVER,STORM ID: P5	DS-515	1.000	0.00	0.00
196076	293	F906310	USF 6310 GRATE ID: P4	DS-516	1.000	0.00	0.00
196076	296	F906310	USF 6310 GRATE ID: P4	DS-517	1.000	0.00	0.00
196072	297	F14136FJ	(P-6) MH,4'dia,Base,5"w,FT,39" ID: P1	DS-519	1.000	1,735.00	1,735.00
196076	299	F906310	USF 6310 GRATE	DS-519	1.000	0.00	0.00

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Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P5				
196076	236	F906310	USF 6310 GRATE ID: P4	DS-411	1.000	0.00	0.00
196075	237	F12314J	(PMH) 4X4',BASE,6"W,50" ID: P1	DS-412	1.000	2,641.00	2,641.00
196075	238	F12322J	4x4',Riser,6"w,FT,41" ID: P2	DS-412	1.000	0.00	0.00
196075	239	F12450	TS,64x64",24"OS ID: P3	DS-412	1.000	0.00	0.00
196076	240	F90170	USF 170 RING ID: P5	DS-412	1.000	0.00	0.00
196076	241	F89480	USF E COVER,STORM ID: P6	DS-412	1.000	0.00	0.00
196078	242	F14160FJ	(P-6) MH,4'dia,Base,5"w,FT,58" ID: P1	DS-413	1.000	1,735.00	1,735.00
196076	244	F906310	USF 6310 GRATE ID: P4	DS-413	1.000	0.00	0.00
196076	246	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-414	1.000	0.00	0.00
196076	249	F906657	USF 6657 GRATE (2PC 6647) ID: P4	DS-501	1.000	0.00	0.00
196075	250	F22187J	(V Box) V Box,6"w,65" ID: P1	DS-502	1.000	3,380.00	3,380.00
196076	251	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-502	1.000	0.00	0.00
196078	252	F14148FJ	(P-6) MH,4'dia,Base,5"w,FT,45" ID: P1	DS-503	1.000	1,735.00	1,735.00
196076	254	F906310	USF 6310 GRATE ID: P4	DS-503	1.000	0.00	0.00
196078	255	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,34"	DS-504	1.000	1,735.00	1,735.00

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FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
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Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P5				
196076	207	F89480	USF E COVER,STORM ID: P6	DS-403	1.000	0.00	0.00
196076	211	F906310	USF 6310 GRATE ID: P5	DS-404	1.000	0.00	0.00
196075	212	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,33" ID: P1	DS-405	1.000	1,735.00	1,735.00
196076	214	F906310	USF 6310 GRATE ID: P4	DS-405	1.000	0.00	0.00
196076	218	F90170	USF 170 RING ID: P5	DS-406	1.000	0.00	0.00
196076	219	F89480	USF E COVER,STORM ID: P6	DS-406	1.000	0.00	0.00
196078	220	F22186J	(V Box) V Box,6"w,60" ID: P1	DS-407	1.000	3,380.00	3,380.00
196076	221	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-407	1.000	0.00	0.00
196078	222	F16172J	(V J-BO) MH,6'dia,Base,8"w,FT,68" ID: P1	DS-408	1.000	6,455.00	6,455.00
196078	223	F16920SVJ	TS,88"dia,SVJ Pan,CTR ID: P2	DS-408	1.000	0.00	0.00
196078	224	F21283CJ	V Collar,6"w,FB,30" ID: P3	DS-408	1.000	0.00	0.00
196076	225	F906657	USF 6657 GRATE (2PC 6647) ID: P5	DS-408	1.000	0.00	0.00
196076	228	F90170	USF 170 RING ID: P4	DS-409	1.000	0.00	0.00
196076	229	F89480	USF E COVER,STORM ID: P5	DS-409	1.000	0.00	0.00
196076	233	F906310	USF 6310 GRATE	DS-410	1.000	0.00	0.00

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Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196075	172	F14124FJ	(P-6) MH,4'dia,Base,5"w,FT,30" ID: P1	DS-303	1.000	1,735.00	1,735.00
196076	174	F906310	USF 6310 GRATE ID: P4	DS-303	1.000	0.00	0.00
196076	177	F906657	USF 6657 GRATE (2PC 6647) ID: P4	DS-304	1.000	0.00	0.00
196075	178	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,33" ID: P1	DS-305	1.000	1,735.00	1,735.00
196076	180	F906310	USF 6310 GRATE ID: P4	DS-305	1.000	0.00	0.00
196076	183	F90170	USF 170 RING ID: P4	DS-306	1.000	0.00	0.00
196076	184	F89480	USF E COVER,STORM ID: P5	DS-306	1.000	0.00	0.00
196076	187	F906310	USF 6310 GRATE ID: P4	DS-307	1.000	0.00	0.00
196076	190	F906310	USF 6310 GRATE ID: P4	DS-308	1.000	0.00	0.00
196075	191	F14136FJ	(P-6) MH,4'dia,Base,5"w,FT,40" ID: P1	DS-309	1.000	1,735.00	1,735.00
196076	193	F906310	USF 6310 GRATE ID: P4	DS-309	1.000	0.00	0.00
196075	194	F14136FJ	(P-5) MH,4'dia,Base,5"w,FT,37" ID: P1	DS-310	1.000	1,589.00	1,589.00
196076	196	F906310	USF 6310 GRATE ID: P4	DS-310	1.000	0.00	0.00
196076	200	F906657	USF 6657 GRATE (2PC 6647) ID: P4	DS-401	1.000	0.00	0.00
196076	202	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-402	1.000	0.00	0.00
196076	206	F90170	USF 170 RING	DS-403	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196076	131	F89480	USF E COVER,STORM ID: P5	DS-109	1.000	0.00	0.00
196076	134	F906631	USF 6631 ID: P4	DS-110	1.000	0.00	0.00
196076	137	F906657	USF 6657 GRATE (2PC 6647) ID: P4	DS-201	1.000	0.00	0.00
196076	139	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-202	1.000	0.00	0.00
196076	142	F906657	USF 6657 GRATE (2PC 6647) ID: P4	DS-203	1.000	0.00	0.00
196076	144	F906657	USF 6657 GRATE (2PC 6647) ID: P3	DS-204	1.000	0.00	0.00
196076	148	F906310	USF 6310 GRATE ID: P5	DS-205	1.000	0.00	0.00
196076	151	F906310	USF 6310 GRATE ID: P4	DS-206	1.000	0.00	0.00
196076	154	F906310	USF 6310 GRATE ID: P4	DS-207	1.000	0.00	0.00
196076	157	F906310	USF 6310 GRATE ID: P4	DS-208	1.000	0.00	0.00
196076	160	F906310	USF 6310 GRATE ID: P4	DS-211	1.000	0.00	0.00
196076	163	F906310	USF 6310 GRATE ID: P4	DS-212	1.000	0.00	0.00
196076	166	F90170	USF 170 RING ID: P4	DS-301	1.000	0.00	0.00
196076	167	F89480	USF E COVER,STORM ID: P5	DS-301	1.000	0.00	0.00
196076	171	F906310	USF 6310 GRATE ID: P5	DS-302	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160817
Invoice Date:	6/12/2026
Due Date:	7/12/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000160817

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196097	14	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196097	15	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196094	16	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196094	17	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196095	18	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196095	19	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196076	98	F89480	USF E COVER,STORM ID: P4	DS-1	1.000	0.00	0.00
196076	102	F906310	USF 6310 GRATE ID: P5	DS-101	1.000	0.00	0.00
196076	105	F906310	USF 6310 GRATE ID: P4	DS-102	1.000	0.00	0.00
196076	109	F90170	USF 170 RING ID: P5	DS-103	1.000	0.00	0.00
196076	110	F89480	USF E COVER,STORM ID: P6	DS-103	1.000	0.00	0.00
196076	114	F906310	USF 6310 GRATE ID: P5	DS-104	1.000	0.00	0.00
196076	117	F906310	USF 6310 GRATE ID: P4	DS-105	1.000	0.00	0.00
196076	120	F90170	USF 170 RING ID: P4	DS-106	1.000	0.00	0.00
196076	121	F89480	USF E COVER,STORM ID: P5	DS-106	1.000	0.00	0.00
196076	124	F906310	USF 6310 GRATE ID: P4	DS-107	1.000	0.00	0.00
196076	127	F906310	USF 6310 GRATE ID: P4	DS-108	1.000	0.00	0.00
196076	130	F90170	USF 170 RING ID: P4	DS-109	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160841
Invoice Date:	6/15/2026
Due Date:	7/15/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000160841

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196319	20	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196319	21	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196268	22	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196268	23	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196237	24	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196237	25	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

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https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160911
Invoice Date:	6/17/2026
Due Date:	7/17/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000160911

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price

Special Instructions:
Thank you! We appreciate your business. For billing inquiries,
please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	11,335.00
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	11,335.00

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

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Remit To:
Mack Industries, Inc.
PO Box 936468
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Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160911
Invoice Date:	6/17/2026
Due Date:	7/17/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To: MCI000160911

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196729	247	F21185J	(V BASE) V Base,6"w,49" ID: P1	DS-501	1.000	3,380.00	3,380.00
196729	248	F21283C	V Collar,6"w,24" ID: P2	DS-501	1.000	0.00	0.00
196729	287	F12316J	(PMH) 4X4',BASE,6"W,FT,66" ID: P1	DS-515	1.000	2,641.00	2,641.00
196729	288	F12450	TS,64x64",24"OS ID: P2	DS-515	1.000	0.00	0.00
196729	342	F13316J	(J-6) 58x60",Base,8"w,FT,60" ID: P1	DS-701	1.000	3,579.00	3,579.00
196729	343	F13345R	TS,76x76",48"CTR,TNG ID: P2	DS-701	1.000	0.00	0.00
196729	347	F14136J	(P-6) MH,4'dia,Base,5"w,36" ID: P1	DS-702	1.000	1,735.00	1,735.00
196729	348	F14248J	MH,4'dia,Riser,5"w,FT,49" ID: P2	DS-702	1.000	0.00	0.00

Invoice

Remit To:
Mack Industries, Inc.
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ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000160944
Invoice Date:	6/18/2026
Due Date:	7/18/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000160944

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196831	7	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196831	8	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196769	9	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196769	10	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
196900	26	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196900	27	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
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"Serving the Construction Industry since 1932"

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

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Atlanta, GA 31193-6468

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ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161007
Invoice Date:	6/22/2026
Due Date:	7/22/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE

Apply To:

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P1				
196062	771	F13714J	(Valve) 8x8',Base,8"w,FT,48" ID: P1	VV1	1.000	9,227.00	9,227.00
196062	772	F09559	Paint,EW-1 Black	VV1	6.300	0.00	0.00
196062	773	F13714J	(Valve) 8x8',Base,8"w,FT,47" ID: P1	VV2	1.000	9,227.00	9,227.00
196062	774	F09559	Paint,EW-1 Black	VV2	6.200	0.00	0.00

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	172,153.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	172,153.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

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Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000161007
Invoice Date:	6/22/2026
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Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
			ID: P1				
196068	294	F14148FJ	(P-6) MH,4'dia,Base,5"w,FT,52" ID: P1	DS-517	1.000	1,735.00	1,735.00
196068	300	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,33" ID: P1	DS-520	1.000	1,735.00	1,735.00
196966	351	F15160J	(J-6) MH,5'dia,Base,8"w,FT,57" ID: P1	DS-703	1.000	3,579.00	3,579.00
196966	352	F15920	TS,76"dia,48"OS ID: P2	DS-703	1.000	0.00	0.00
196069	403	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-1	1.000	3,410.00	3,410.00
196069	406	F22125J	(C BOX) C Box,6"w,45" ID: P1	CS-2A	1.000	3,047.00	3,047.00
196069	409	F22125J	(C BOX) C Box,6"w,45" ID: P1	CS-2B	1.000	3,047.00	3,047.00
196069	412	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-4A	1.000	3,410.00	3,410.00
196069	415	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-4B	1.000	3,410.00	3,410.00
196069	418	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-3	1.000	3,410.00	3,410.00
196069	421	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-5A	1.000	3,410.00	3,410.00
196069	424	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-5B	1.000	3,410.00	3,410.00
196069	427	F22134J	(D BOX) D Box,6"w,40" ID: P1	CS-5C	1.000	3,410.00	3,410.00
196070	433	F22135J	(D BOX) D Box,6"w,49" ID: P1	CS-6B	1.000	3,736.00	3,736.00
196070	436	F22135J	(D BOX) D Box,6"w,49"	CS-6C	1.000	3,736.00	3,736.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000161007
Invoice Date:	6/22/2026
Due Date:	7/22/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

NW

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196070	188	F14132FJ	(P-5) MH,4'dia,Base,5"w,FT,33" ID: P1	DS-308	1.000	1,589.00	1,589.00
196966	197	F16196J	(V J-BO) MH,6'dia,Base,8"w,FT,92" ID: P1	DS-401	1.000	6,455.00	6,455.00
196966	198	F16920SVJ	TS,88"dia,SVJ Pan,CTR ID: P2	DS-401	1.000	0.00	0.00
196966	199	F21282CJ	V Collar,6"w,FB,18" ID: P3	DS-401	1.000	0.00	0.00
196966	201	F22185J	(V Box) V Box,6"w,53" ID: P1	DS-402	1.000	3,380.00	3,380.00
196061	203	F13318J	(JMH) 58X60",BASE,8"W,FT,70" ID: P1	DS-403	1.000	5,577.00	5,577.00
196061	204	F13345R	TS,76x76",48"OS,TNG ID: P2	DS-403	1.000	0.00	0.00
196061	205	F14436	MH,4'dia,Cone,Ecc,5"w,36" ID: P3	DS-403	1.000	0.00	0.00
196061	208	F16184J	(J-6) MH,6'dia,Base,8"w,FT,81" ID: P1	DS-404	1.000	3,712.00	3,712.00
196061	209	F16920	TS,88"dia,48"OS ID: P2	DS-404	1.000	0.00	0.00
196061	245	F22186J	(V Box) V Box,6"w,57" ID: P1	DS-414	1.000	3,380.00	3,380.00
196068	258	F13316J	(J-6) 58x60",Base,8"w,FT,55" ID: P1	DS-505	1.000	3,712.00	3,712.00
196068	259	F13345	TS,76x76",48"OS ID: P2	DS-505	1.000	0.00	0.00
196068	262	F15148J	(J-6) MH,5'dia,Base,8"w,FT,51" ID: P1	DS-506	1.000	3,712.00	3,712.00
196068	263	F15920	TS,76"dia,48"OS ID: P2	DS-506	1.000	0.00	0.00
196068	291	F14160FJ	(P-6) MH,4'dia,Base,5"w,FT,56"	DS-516	1.000	1,735.00	1,735.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000161007
Invoice Date:	6/22/2026
Due Date:	7/22/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:**

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
196064	146	F15920	TS,76"dia,48"OS ID: P2	DS-205	1.000	0.00	0.00
196064	149	F14132FJ	(P-6) MH,4'dia,Base,5"w,FT,32" ID: P1	DS-206	1.000	1,735.00	1,735.00
196064	152	F14136FJ	(P-6) MH,4'dia,Base,5"w,FT,42" ID: P1	DS-207	1.000	1,735.00	1,735.00
196066	155	F14136FJ	(P-6) MH,4'dia,Base,5"w,FT,38" ID: P1	DS-208	1.000	1,735.00	1,735.00
196066	158	F14160FJ	(P-6) MH,4'dia,Base,5"w,FT,56" ID: P1	DS-211	1.000	1,735.00	1,735.00
196066	161	F14148FJ	(P-6) MH,4'dia,Base,5"w,FT,52" ID: P1	DS-212	1.000	1,735.00	1,735.00
196066	164	F14148J	(PMH) MH,4'DIA,BASE,5"W,48" ID: P1	DS-301	1.000	2,641.00	2,641.00
196066	165	F14418	MH,4'dia,Cone,Ecc,5"w,18" ID: P2	DS-301	1.000	0.00	0.00
196070	168	F15148J	(J-6) MH,5'dia,Base,8"w,FT,53" ID: P1	DS-302	1.000	3,712.00	3,712.00
196070	169	F15920	TS,76"dia,48"OS ID: P2	DS-302	1.000	0.00	0.00
196066	175	F21185J	(V BASE) V Base,6"w,46" ID: P1	DS-304	1.000	3,380.00	3,380.00
196066	176	F21283C	V Collar,6"w,24" ID: P2	DS-304	1.000	0.00	0.00
196066	181	F14136J	(PMH) MH,4'DIA,BASE,5"W,36" ID: P1	DS-306	1.000	2,641.00	2,641.00
196066	182	F14424	MH,4'dia,Cone,Ecc,5"w,24" ID: P2	DS-306	1.000	0.00	0.00
196066	185	F14148FJ	(P-5) MH,4'dia,Base,5"w,FT,43" ID: P1	DS-307	1.000	1,589.00	1,589.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161007
Invoice Date:	6/22/2026
Due Date:	7/22/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161007

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
197255	28	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197255	29	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197217	30	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197217	31	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197160	32	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197160	33	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
196064	96	F14148FJ	(P-4) MH,4'dia,Base,5"w,FT,50" ID: P1	DS-1	1.000	3,109.00	3,109.00
196065	101	F14020	P-6,CENTER TOP ID: P3	DS-101	1.000	1,700.00	1,700.00
196065	104	F14020	P-6,CENTER TOP ID: P2	DS-102	1.000	1,700.00	1,700.00
196065	113	F14020	P-6,CENTER TOP ID: P3	DS-104	1.000	1,700.00	1,700.00
196065	116	F14020	P-6,CENTER TOP ID: P2	DS-105	1.000	1,700.00	1,700.00
196064	135	F21186J	(V BASE) V Base,6"w,56" ID: P1	DS-201	1.000	3,380.00	3,380.00
196064	136	F21283C	V Collar,6"w,24" ID: P2	DS-201	1.000	0.00	0.00
196070	138	F22186J	(V Box) V Box,6"w,62" ID: P1	DS-202	1.000	3,380.00	3,380.00
196064	140	F21185J	(V BASE) V Base,6"w,47" ID: P1	DS-203	1.000	3,380.00	3,380.00
196064	141	F21283C	V Collar,6"w,24" ID: P2	DS-203	1.000	0.00	0.00
196070	143	F22185J	(V Box) V Box,6"w,52" ID: P1	DS-204	1.000	3,380.00	3,380.00
196064	145	F15136J	(J-6) MH,5'dia,Base,8"w,FT,40" ID: P1	DS-205	1.000	3,712.00	3,712.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161068
Invoice Date:	6/24/2026
Due Date:	7/24/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161068

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
197599	34	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197599	35	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197479	36	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197479	37	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197545	38	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197545	39	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161110
Invoice Date:	6/26/2026
Due Date:	7/26/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161110

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
197665	40	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197771	81	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
197771	82	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
197729	83	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
197729	84	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
197665	85	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161148
Invoice Date:	6/29/2026
Due Date:	7/29/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161148

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
197982	41	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
197982	42	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198037	43	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198037	44	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198081	45	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198081	46	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 12

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Empire Pipe & Supply

(D) Amount Payable: $197,384.98

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 2255628 2255725 2256876 2256878 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/13/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ruby Todd
Consulting Engineer

Date: 07.10.2026

#12

DPO Invoice Tracking Spreadsheet

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted
Empire Pipe & supply	2253445	5/28/2026	6/17/2026	$ 98,546.32	6/17/2026
Empire Pipe & supply	2253377	5/28/2026	6/17/2026	$ 14,381.40	6/17/2026
Empire Pipe & supply	2253352	5/28/2026	6/17/2026	$ 5,389.29	6/17/2026
Empire Pipe & supply	2253346	5/28/2026	6/17/2026	$ 650.52	6/17/2026
Empire Pipe & supply	2254052	5/29/2026	6/17/2026	$ 11,773.90	6/17/2026
Empire Pipe & supply	2253525	5/29/2026	6/17/2026	$ 26,233.21	6/17/2026
Empire Pipe & supply	2253309	5/29/2026	6/17/2026	$ 70,594.71	6/17/2026
Empire Pipe & supply	2254307	6/1/2026	6/17/2026	$ 2,009.25	6/17/2026
Empire Pipe & supply	2254306	6/1/2026	6/17/2026	$ 2,223.57	6/17/2026
Empire Pipe & supply	2254516	6/2/2026	6/17/2026	$ 40,300.00	6/17/2026
Empire Pipe & supply	2253462	6/2/2026	6/17/2026	$ 39,960.00	6/17/2026
Empire Pipe & supply	2254770	6/3/2026	6/17/2026	$ 34,360.00	6/17/2026
Empire Pipe & supply	2254771	6/3/2026	6/17/2026	$ 43,000.00	6/17/2026
Empire Pipe & supply	2254053	6/4/2026	6/17/2026	$ 3,503.82	6/17/2026
Empire Pipe & supply	2254058	6/4/2026	6/17/2026	$ 137.74	6/17/2026
Empire Pipe & supply	2255256	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026
Empire Pipe & supply	2255257	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026
Empire Pipe & supply	2255258	6/5/2026	6/17/2026	$ 50,280.00	6/17/2026
Empire Pipe & supply	2255440	6/8/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2255673	6/9/2026	6/17/2026	$ 15,860.00	6/17/2026
Empire Pipe & supply	2255672	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2255671	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026
Empire Pipe & supply	2254057	6/10/2026	6/17/2026	$ 539.82	6/17/2026
Empire Pipe & supply	2255089	6/11/2026	6/17/2026	$ 938.43	6/17/2026
Empire Pipe & supply	2254252	6/12/2026	6/17/2026	$ 34,715.40	6/17/2026
Empire Pipe & supply	2255628	6/17/2026	6/30/2026	$ 1,439.44	6/30/2026
Empire Pipe & supply	2255725	6/17/2026	6/30/2026	$ 1,255.84	6/30/2026
Empire Pipe & supply	2256876	6/17/2026	6/30/2026	$ 187,110.10	6/30/2026
Empire Pipe & supply	2256878	6/17/2026	6/30/2026	$ 7,579.60	6/30/2026

Previously Sent to customer $608,077.38

Newly added invoices $197,384.98

Total Approved Invoices:	$ 805,462.36
Total Billable Credit:	$ 853,836.98
PO Total:	$ 859,071.09
PO Tax Credit:	$ 51,594.26
Remaining PO Balance:	$ 53,608.73
Balance Tax Value:	$ 3,219.64
Credit to Tucker:	$ 56,828.37

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255628
INVOICE DATE	06/17/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
26-750-6	JOB 26-750 SCHALLER PRSRV	TL1	07/17/2026	06/17/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	8HWTG	8" SDR26 HW TEE GXG	4	4	188.71	754.84
2	1026HW	10X14' SDR26 PVC HW SWR PIPE	42	42	16.30	684.60

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	1,439.44
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	1,439.44

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2255725
INVOICE DATE	06/17/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
90'S	JOB 26-750 SCHALLER PRSRV	TL1	07/17/2026	06/11/2026	Direct Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	8HW9G	8" HW SDR26 90 GXG	4	4	232.71	930.84

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	930.84
TAX AMT %	0.00
FREIGHT	325.00
Other	
TOTAL DUE	1,255.84

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2256876
INVOICE DATE	06/17/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
26-750-1	JOB 26-750 SCHALLER PRSRV	TL1	07/17/2026	06/17/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	4C900DR18B	4 C900 DR18 BLUE PVC PIPE	920	920	4.18	3,845.60
2	6C900DR18B	6 C900 DR18 BLUE PVC PIPE	2160	2160	8.47	18,295.20
3	8C900DR18B	8 C900 DR18 BLUE PVC PIPE	3060	3060	14.57	44,584.20
4	10C900DR18B	10 C900 DR18 BLUE PVC PIPE	900	900	21.86	19,674.00
5	6C900DR18G	6 C900 DR18 GREEN PVC PIPE	1680	1680	8.47	14,229.60
6	826HW	8X14' SDR26 PVC HW SWR PIPE GJ	6902	6902	9.13	63,015.26
7	626HW	6X14' SDR26 PVC HW SWR PIPE GJ	3528	3528	5.05	17,816.40
8	426HW	4X14' SDR26 PVC HW SWR PIPE GJ	2478	2478	2.28	5,649.84

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	187,110.10
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	187,110.10

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
2260 OLD LAKE MARY ROAD
SANFORD FL 32771

Invoice

INVOICE NO.	2256878
INVOICE DATE	06/17/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
26-750-1	JOB 26-750 SCHALLER PRSRV	TL1	07/17/2026	06/18/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	8C900DR18B	8 C900 DR18 BLUE PVC PIPE	280	280	14.57	4,079.60

NW

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	4,079.60
TAX AMT %	0.00
FREIGHT	3,500.00
Other	
TOTAL DUE	7,579.60

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 13

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Del Zotto

(D) Amount Payable: $15,570.72

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 169427 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/13/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ray Mudd
Consulting Engineer

Date: 07.10.2026

#13

DPO Invoice Tracking Spreadsheet

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted
Del Zotto	169427	6/17/2026	6/30/2026	$ 15,570.72	6/30/2026

Total Approved Invoices:	$	15,570.72
Total Billable Credit:	$	16,535.18
PO Total:	$	25,765.60
PO Tax Credit:	$	1,595.93
Remaining PO Balance:	$	10,194.88
Balance Tax Value:	$	631.47
Credit to Tucker:	$	10,826.35

Del Zotto Products of Florida LLC
191 NW 46TH Ave
Ocala, FL 34482
Phone: (352) 351-3834
Fax: (352) 351-8875

INVOICE 169427

Invoice Date: 6/17/2026

Office

Sold to: SCHALLER PRESE
SCHALLER PRESERVE CDD
219 E LIVINGSTON ST
ORLANDO, FL 32081

Job Number: 26-8732 Postbill
Ship to: Schaller Preserve Onsite-Offsite Imp
Polk Co. - Saddle Creek Road
Lakeland, FL

SHIP DATE	SHIP VIA	F.O.B.	TERMS	PAGE
6/17/2026			NET 30	1
CUSTOMER PO#	**LOAD**	**SALES REP**	**EXEMPT #**	**REFERENCE**
		NJL	85-8018837711C-7	169427

Qty	Item	Description	Delivery Ticket	Delivery Date	Weight	Unit Price	TX	Extension
Structure: RCP		**Structure Code: RCP**						
264	1930RCP	19"x30" Concrete Pipe Class 3	169278	6/17/2026	77,880	$58.98	☐	$15,570.72
					Structure Total			$15,570.72
				Total Weight	77,880			

Please make check payable to Del Zotto Products of Florida, LLC
191 NW 46TH Ave, Ocala, FL, 34482.

Taxable	$0.00
Non-Taxable	$15,570.72
Sub Total	$15,570.72
Tax	$0.00
Invoice Total	$15,570.72
Less Deposit	$0.00
Invoice Balance	$15,570.72

NW

NOTE: A 1 1/2% PER MONTH SERVICE CHARGE IS ADDED TO ALL UNPAID INVOICES AFTER 30 DAYS. THIS IS AN 18% ANNUAL PERCENTAGE RATE.

ANY ITEMS / STRUCTURES THAT ARE RETURNED DUE TO ENGINEERING CHANGES, ETC, THAT CAN BE RESTOCKED OR RESOLD WILL BE CHARGED 25% FOR RESTOCKING AND HANDLING (75% CREDIT). ANY DAMAGED ITEM OR "CUSTOM MADE ITEM" THAT IS RETURNED TO US FOR THE SAME REASONS WILL NOT BE ELIGIBLE FOR ANY TYPE OF CREDIT.

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 14

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Kilinski Van Wyk PLLC

(D) Amount Payable: $1,858.00

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 15545 - 2026 Construction services for June 2026

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/30/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

_____
Consulting Engineer

Date: 07.30.2026

KILINSKI | VAN WYK

Kilinski | Van Wyk PLLC

P.O. Box 6386
Tallahassee, Florida 32314

INVOICE

Invoice # 15545
Date: 07/24/2026
Due On: 08/23/2026

Schaller Preserve CDD
219 E. Livingston Street
Orlando, FL 32801

Statement of Account

	Outstanding Balance		New Charges		Payments Received		Total Amount Outstanding
(	$3,983.25	+	$1,858.00	) - (	$0.00	) =	**$5,841.25**

SCHPCDD-105

Schaller Preserve CDD - 2026 Construction

Type	Attorney	Date	Notes	Quantity	Rate	Total
Service	LG	06/02/2026	Advise regarding negotiation of direct purchase order terms.	0.30	$385.00	$115.50
Service	GR	06/03/2026	Confer with District Manager regarding revisions to purchase order for materials for Phase 1 construction.	0.20	$310.00	$62.00
Service	GR	06/16/2026	Review Notice to Owner from Del Zotto Products of Florida.	0.10	$310.00	$31.00
Service	GR	06/22/2026	Prepare response to Notice to Owner from Del Zotto Products of Florida.	0.40	$310.00	$124.00
Service	LG	06/24/2026	Advise regarding construction of traffic signal.	0.20	$385.00	$77.00
Service	GR	06/24/2026	Confer with District Manager regarding construction contract for traffic signalization, proposal cost for the same.	0.40	$310.00	$124.00
Service	GR	06/25/2026	Prepare Agreement for Traffic Lighting and Signalization with Montoya Electric.	1.30	$310.00	$403.00

Service	LG	06/25/2026	Analyze legal requirements for traffic lighting and signalization; draft contract provisions related to same.	0.80	$385.00	$308.00
Service	GR	06/26/2026	Review outstanding engineering items for traffic lighting and signalization work for updating agreement for the same, confer with Lennar, District Engineer regarding the same.	0.60	$310.00	$186.00
Service	CD	06/30/2026	Confer with District Staff; Analyze Notice to Owner from Synergy Rents; Download Recorded Notice of Commencement and Performance Bond referenced in Notion to Owner; Analyze Contract with Tucker Paving; Compile Exhibits to Notice to Owner; Draft Response to Notice to Owner; Email draft Response to District Staff for review. Confer with District Staff; Finalize exhibits and Transmit final response and exhibits to Synergy Rents.	1.70	$215.00	$365.50
Service	GR	06/30/2026	Review and revise notice to response to owner from Synergy Rents.	0.20	$310.00	$62.00
					Total	**$1,858.00**

Please make all amounts payable to: Kilinski | Van Wyk PLLC

Please pay within 30 days.

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 15

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Empire Pipe & Supply

(D) Amount Payable: $13,789.28

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # 2257327 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/30/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

_____
Consulting Engineer

Date: 07.30.2026

DPO Invoice Tracking Spreadsheet

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted	
Empire Pipe & supply	2253445	5/28/2026	6/17/2026	$ 98,546.32	6/17/2026	
Empire Pipe & supply	2253377	5/28/2026	6/17/2026	$ 14,381.40	6/17/2026	
Empire Pipe & supply	2253352	5/28/2026	6/17/2026	$ 5,389.29	6/17/2026	
Empire Pipe & supply	2253346	5/28/2026	6/17/2026	$ 650.52	6/17/2026	
Empire Pipe & supply	2254052	5/29/2026	6/17/2026	$ 11,773.90	6/17/2026	
Empire Pipe & supply	2253525	5/29/2026	6/17/2026	$ 26,233.21	6/17/2026	
Empire Pipe & supply	2253309	5/29/2026	6/17/2026	$ 70,594.71	6/17/2026	
Empire Pipe & supply	2254307	6/1/2026	6/17/2026	$ 2,009.25	6/17/2026	
Empire Pipe & supply	2254306	6/1/2026	6/17/2026	$ 2,223.57	6/17/2026	
Empire Pipe & supply	2254516	6/2/2026	6/17/2026	$ 40,300.00	6/17/2026	
Empire Pipe & supply	2253462	6/2/2026	6/17/2026	$ 39,960.00	6/17/2026	
Empire Pipe & supply	2254770	6/3/2026	6/17/2026	$ 34,360.00	6/17/2026	
Empire Pipe & supply	2254771	6/3/2026	6/17/2026	$ 43,000.00	6/17/2026	
Empire Pipe & supply	2254053	6/4/2026	6/17/2026	$ 3,503.82	6/17/2026	
Empire Pipe & supply	2254058	6/4/2026	6/17/2026	$ 137.74	6/17/2026	
Empire Pipe & supply	2255256	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026	
Empire Pipe & supply	2255257	6/5/2026	6/17/2026	$ 23,400.00	6/17/2026	
Empire Pipe & supply	2255258	6/5/2026	6/17/2026	$ 50,280.00	6/17/2026	
Empire Pipe & supply	2255440	6/8/2026	6/17/2026	$ 21,960.00	6/17/2026	
Empire Pipe & supply	2255673	6/9/2026	6/17/2026	$ 15,860.00	6/17/2026	
Empire Pipe & supply	2255672	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026	
Empire Pipe & supply	2255671	6/9/2026	6/17/2026	$ 21,960.00	6/17/2026	Previously Sent to customer $805,462.36
Empire Pipe & supply	2254057	6/10/2026	6/17/2026	$ 539.82	6/17/2026	
Empire Pipe & supply	2255089	6/11/2026	6/17/2026	$ 938.43	6/17/2026	
Empire Pipe & supply	2254252	6/12/2026	6/17/2026	$ 34,715.40	6/17/2026	
Empire Pipe & supply	2255628	6/17/2026	6/30/2026	$ 1,439.44	6/30/2026	
Empire Pipe & supply	2255725	6/17/2026	6/30/2026	$ 1,255.84	6/30/2026	
Empire Pipe & supply	2256876	6/17/2026	6/30/2026	$ 187,110.10	6/30/2026	
Empire Pipe & supply	2256878	6/17/2026	6/30/2026	$ 7,579.60	6/30/2026	
Empire Pipe & supply	2257327	7/9/2026	7/28/2026	$ 13,789.28	7/28/2026	Newly added invoices $13,789.28

Total Approved Invoices:	$	819,251.64
Total Billable Credit:	$	868,454.42
PO Total:	$	859,071.09
PO Tax Credit:	$	51,594.26
Remaining PO Balance:	$	39,819.45
Balance Tax Value:	$	2,391.48
Credit to Tucker:	$	42,210.93

EMPIRE
Pipe & Supply
EST. 1972

EMPIRE PIPE AND SUPPLY CO, INC
8659 PALM RIVER ROAD
TAMPA FL 33619

Invoice

INVOICE NO.	2257327
INVOICE DATE	07/09/2026
PACKING SLIP NO.	
CUSTOMER NO.	072210
WAREHOUSE	014

Please Remit Payment To:

EMPIRE PIPE AND SUPPLY CO, INC
PO BOX 96518
CHARLOTTE, NC 28296-0518

SCHALLER PRESERVE CDD
219 EAST LIVINGSTON ST
ORLANDO, FL 32801

SHIP TO

072210
SCHALLER PRESERVE CDD
4902 SADDLE CREEK ROAD
AUBURNDALE, FL 33801

ORDERED BY:

CUSTOMER P.O. NUMBER	JOB NO.	SALES	DUE DATE	SHIP DATE	SHIPPING METHOD
#1 STOCK WATER	JOB 26-750 SCHALLER PRSRV	TL1	08/08/2026	07/10/2026	Our Truck Prepaid

LINE	PRODUCT NO.	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	EXTENDED PRICE
1	406-1110X06IP	10X3/4 IP SAD DBLSS 10.75-11.1	1	1	107.08	107.08
2	406-0238X06IP	2X3/4 IP DBL SS SDL 2.35-2.63	2	2	318.88	637.76
3	406-480X12	4X1-1/2 IP SDL 4.50-4.80	6	6	79.03	474.18
4	34BRNIP3	3/4 X 3 BRASS PIPE NIPPLE	2	2	4.66	9.32
5	406-0690X06IP	6X3/4 SAD SS DBL 6.63-6.90 OD	2	2	76.71	153.42
6	406-0690X12IP	6X1-1/2 IP DBL SS SAD 6.63-6.9	42	42	90.06	3,782.52
7	406-0905X06IP	8X3/4 IP SAD DBL SS 8.63-9.05	8	8	90.84	726.72
8	406-0905-12	8X1-1/2 IP SAD DB SS 8.63-9.05	51	51	105.82	5,396.82
9	4060480X06IP	4060480X06IP 4 X 3/4 IP SADDLE	3	3	66.98	200.94
10	406-1110X12IP	10X1-1/2 IP SDL DBL SS 11.10	19	19	121.08	2,300.52

To view and pay your bills online, please visit
EmpirePipe.Billtrust.com

ENROLLMENT_TOKEN
GHQ PVK KFQ

MERCHANDISE CANNOT BE RETURNED WITHOUT PRIOR AUTHORIZATION

Any shortages or discrepancies concerning this order must be reported within 24 hours. Full Terms and Conditions are available at empirepipe.com

AMOUNT	13,789.28
TAX AMT %	0.00
FREIGHT	0.00
Other	
TOTAL DUE	13,789.28

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 16

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Mack Industries

(D) Amount Payable: $236,146.80

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Invoice # MCI161282 161309 161344 161368 161417 161439 161463 161551 - Materials

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

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SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/30/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

_____
Consulting Engineer

Date: 07.30.2026

DPO Invoice Tracking Spreadsheet

Item Description	Invoice Number	Invoice Date	Approved Date	Amount Approved	Date Submitted
Mack Industries	MCI000160785	6/11/2026	6/30/2026	$ 21,819.60	6/30/2026
Mack Industries	MCI000160817	6/12/2026	6/30/2026	$ 111,713.52	6/30/2026
Mack Industries	MCI000160841	6/15/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000160911	6/17/2026	6/30/2026	$ 11,335.00	6/30/2026
Mack Industries	MCI000160944	6/18/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161007	6/22/2026	6/30/2026	$ 172,153.52	6/30/2026
Mack Industries	MCI000161068	6/24/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161110	6/26/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161148	6/29/2026	6/30/2026	$ 26,183.52	6/30/2026
Mack Industries	MCI000161282	7/7/2026	7/28/2026	$ 32,983.52	7/28/2026
Mack Industries	MCI000161309	7/8/2026	7/28/2026	$ 6,800.00	7/28/2026
Mack Industries	MCI000161344	7/9/2026	7/28/2026	$ 52,367.04	7/28/2026
Mack Industries	MCI000161368	7/10/2026	7/28/2026	$ 20,400.00	7/28/2026
Mack Industries	MCI000161417	7/14/2026	7/28/2026	$ 29,517.84	7/28/2026
Mack Industries	MCI000161439	7/15/2026	7/28/2026	$ 50,439.20	7/28/2026
Mack Industries	MCI000161463	7/16/2026	7/28/2026	$ 17,455.68	7/28/2026
Mack Industries	MCI000161551	7/21/2026	7/28/2026	$ 26,183.52	7/28/2026

Total Approved Invoices:	$	684,086.04
Total Billable Credit:	$	725,172.20
PO Total:	$	834,277.00
PO Tax Credit:	$	50,106.62
Remaining PO Balance:	$	150,190.96
Balance Tax Value:	$	9,020.46
Credit to Tucker:	$	159,211.42

Previously Sent to customer $447,939.24

Newly added invoices $236,146.80

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161282
Invoice Date:	7/7/2026
Due Date:	8/6/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161282

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
198755	47	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198755	48	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198841	49	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198841	50	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198915	51	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198915	52	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
198877	153	F14020	P-6,CENTER TOP ID: P2	DS-207	1.000	1,700.00	1,700.00
198877	156	F14020	P-6,CENTER TOP ID: P2	DS-208	1.000	1,700.00	1,700.00
198877	159	F14020	P-6,CENTER TOP ID: P2	DS-211	1.000	1,700.00	1,700.00
198877	162	F14020	P-6,CENTER TOP ID: P2	DS-212	1.000	1,700.00	1,700.00

Special Instructions:
Thank you! We appreciate your business. For billing inquiries,
please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	32,983.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	32,983.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161309
Invoice Date:	7/8/2026
Due Date:	8/7/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161309

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
198993	123	F14020	P-6,CENTER TOP ID: P2	DS-107	1.000	1,700.00	1,700.00
198993	126	F14020	P-6,CENTER TOP ID: P2	DS-108	1.000	1,700.00	1,700.00
198993	147	F14020	P-6,CENTER TOP ID: P3	DS-205	1.000	1,700.00	1,700.00
198993	150	F14020	P-6,CENTER TOP ID: P2	DS-206	1.000	1,700.00	1,700.00

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

Sales Amount	6,800.00
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	6,800.00

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice No.:	MCI000161344
Invoice Date:	7/9/2026
Due Date:	8/8/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161344

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
199154	53	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199154	54	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199213	55	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199213	56	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199276	57	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199276	58	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199137	59	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199137	60	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199139	61	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199139	62	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199212	63	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199212	64	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	52,367.04
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	52,367.04

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161368
Invoice Date:	7/10/2026
Due Date:	8/9/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161368

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
199338	170	F14020	P-6,CENTER TOP,No Brick ID: P3	DS-302	1.000	1,700.00	1,700.00
199338	173	F14020	P-6,CENTER TOP ID: P2	DS-303	1.000	1,700.00	1,700.00
199338	179	F14020	P-6,CENTER TOP ID: P2	DS-305	1.000	1,700.00	1,700.00
199338	192	F14020	P-6,CENTER TOP ID: P2	DS-309	1.000	1,700.00	1,700.00
199403	210	F14020	P-6,CENTER TOP ID: P3	DS-404	1.000	1,700.00	1,700.00
199403	213	F14020	P-6,CENTER TOP ID: P2	DS-405	1.000	1,700.00	1,700.00
199403	232	F14020	P-6,CENTER TOP ID: P3	DS-410	1.000	1,700.00	1,700.00
199403	235	F14020	P-6,CENTER TOP ID: P2	DS-411	1.000	1,700.00	1,700.00
199309	243	F14020	P-6,CENTER TOP ID: P2	DS-413	1.000	1,700.00	1,700.00
199309	253	F14020	P-6,CENTER TOP ID: P2	DS-503	1.000	1,700.00	1,700.00
199309	256	F14020	P-6,CENTER TOP ID: P2	DS-504	1.000	1,700.00	1,700.00
199309	260	F14020	P-6,CENTER TOP ID: P3	DS-505	1.000	1,700.00	1,700.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161368
Invoice Date:	7/10/2026
Due Date:	8/9/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161368

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	20,400.00
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	20,400.00

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

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https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To:C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161417
Invoice Date:	7/14/2026
Due Date:	8/13/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161417

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
199721	65	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199721	66	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199660	89	F93893	BC,6X3,3'-9" SECTION	UP B	1.000	2,066.25	2,066.25
199660	90	F93893	BC,6X3,3'-9" SECTION	UP B	1.000	2,066.25	2,066.25
199660	91	F93893	BC,6X3,3'-9" SECTION	UP B	1.000	2,066.25	2,066.25
199660	92	F93893	BC,6X3,3'-9" SECTION	UP B	1.000	2,066.25	2,066.25
199609	97	F14009	P-4,CENTER TOP ID: P2	DS-1	1.000	1,900.00	1,900.00
199609	186	F14012	P-5,LEFT CI TOP ID: P2	DS-307	1.000	1,275.00	1,275.00
199609	189	F14010	P-5,RIGHT CI TOP ID: P2	DS-308	1.000	1,275.00	1,275.00
199609	195	F14010	P-5,RIGHT CI TOP ID: P2	DS-310	1.000	1,275.00	1,275.00
199609	264	F14020	P-6,CENTER TOP,No Brick ID: P3	DS-506	1.000	1,700.00	1,700.00
199589	304	F14020	P-6,CENTER TOP ID: P2	DS-521	1.000	1,700.00	1,700.00
199589	307	F14020	P-6,CENTER TOP ID: P2	DS-522	1.000	1,700.00	1,700.00
199589	344	F14224J	MH,4'dia,Riser,5"w,FT,21" ID: P3	DS-701	1.000	0.00	0.00
199589	353	F14020	P-6,CENTER TOP ID: P3	DS-703	1.000	1,700.00	1,700.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161417
Invoice Date:	7/14/2026
Due Date:	8/13/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161417

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	29,517.84
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	29,517.84

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161439
Invoice Date:	7/15/2026
Due Date:	8/14/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161439

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
199822	11	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
199822	12	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
199821	13	F93891	BC,6X3,7'-11" END SECTION	DOWN A	1.000	4,363.92	4,363.92
199745	67	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199745	68	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199821	69	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199878	70	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199878	71	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199904	72	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199904	73	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199731	292	F14020	P-6,CENTER TOP ID: P2	DS-516	1.000	1,700.00	1,700.00
199731	295	F14020	P-6,CENTER TOP ID: P2	DS-517	1.000	1,700.00	1,700.00
199731	298	F14020	P-6,CENTER TOP ID: P2	DS-519	1.000	1,700.00	1,700.00
199731	301	F14020	P-6,CENTER TOP ID: P2	DS-520	1.000	1,700.00	1,700.00

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161439
Invoice Date:	7/15/2026
Due Date:	8/14/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161439

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	50,439.20
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	50,439.20

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161463
Invoice Date:	7/16/2026
Due Date:	8/15/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161463

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
199991	74	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
199991	75	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
200057	76	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
200057	77	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	17,455.68
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	17,455.68

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

Invoice

Remit To:
Mack Industries, Inc.
PO Box 936468
Atlanta, GA 31193-6468

Deliver To: 1
ALAN ALBERT
SCHALLER PRESERVE
FL 19 SOUTH TO FL 33 SOUTH TO BERKLEY ROAD TAKE
FL 570 WEST TO STATE HWY 546 EXIT AND MERGE ONTO
STATE HWY 546

Invoice To: C027843 SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
219 E LIVINGSTON ST
ORLANDO FL 32801

Invoice No.:	MCI000161551
Invoice Date:	7/21/2026
Due Date:	8/20/2026
Order No:	DF00031075
Salesperson:	Brett H. Claflin
Cust PO:	3
Payment Terms:	NET 30 DAYS
Currency:	USD
Tax Code:	FL53EX

Job Name: SCHALLER PRESERVE **Apply To:** MCI000161551

Last BOL	LN	Item	Description	Structure	Quantity	Unit Price	Net Price
200365	78	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
200365	79	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
200429	80	F93892	BC,6X3,7'-11" SECTION	BC A	1.000	4,363.92	4,363.92
200429	86	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
200499	87	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92
200499	88	F93892	BC,6X3,7'-11" SECTION	UP A	1.000	4,363.92	4,363.92

Special Instructions:
Thank you! We appreciate your business. For billing inquiries, please email: billing@mackconcrete.com or call locally 352-742-2333
"Serving the Construction Industry since 1932"

Sales Amount	26,183.52
Misc Charges	0.00
Fuel Surcharge	0.00
Surcharge	0.00
Prepaid Amount	0.00
Sales Tax	0.00
Total	26,183.52

Wire To: WELLS FARGO - A/R
Bank Routing Number: 121000248
Account Number: 4124597048

To pay online scan the QR code or visit
https://www.e-billexpress.com/ebpp/mack

REQUISITION

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT
SPECIAL ASSESSMENT BONDS, SERIES 2026
(ASSESSMENT AREA ONE PROJECT)

(Acquisition and Construction)

The undersigned, a Responsible Officer of the Schaller Preserve Community Development District (the "District") hereby submits the following requisition for disbursement under and pursuant to the terms of the Master Trust Indenture by and between the District and U.S. Bank Trust Company, National Association, as trustee, dated as of March 1, 2026, as supplemented by that certain First Supplemental Trust Indenture dated as of March 1, 2026 (collectively, the "Series 2026 Indenture") (all capitalized terms used herein shall have the meaning ascribed to such term in the Series 2026 Indenture):

(A) Requisition Number: 17

(B) Identify Acquisition Agreement, if applicable;

(C) Name of payee pursuant to Acquisition Agreement: Tucker Paving Inc.

(D) Amount Payable: $1,045,299.22

(E) Purpose for which paid or incurred (refer also to specific contract if amount is due and payable pursuant to a contract involving progress payments): Pay Application # 4 period thru 7/31/26

(F) Fund or Account and subaccount, if any, from which disbursement to be made:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund

The undersigned hereby certifies that:

1. obligations in the stated amount set forth above have been incurred by the District and have not previously been paid,

2. each disbursement set forth above is a proper charge against the:

Series 2026 Acquisition and Construction Account of the Acquisition and Construction Fund; and

3. each disbursement set forth above was incurred in connection with:

the Costs of the Assessment Area One Project.

The undersigned hereby further certifies that there has not been filed with or served upon the District notice of any lien, right to lien, or attachment upon, or claim affecting the right to receive payment of, any of the moneys payable to the payee set forth above, which has not been released or will not be released simultaneously with the payment hereof.

The undersigned hereby further certifies that such requisition contains no item representing payment on account of any retained percentage which the District is at the date of such certificate entitled to retain.

Attached hereto or on file with the District are copies of the invoice(s) or applicable contracts from the vendor of the property acquired or the services rendered, as well as applicable conveyance instruments (e.g. deed(s), bill(s) of sale, easement(s), etc.) with respect to which disbursement is hereby requested.

SCHALLER PRESERVE COMMUNITY DEVELOPMENT DISTRICT

By: _____
Responsible Officer

Date: 7/31/26

CONSULTING ENGINEER'S APPROVAL FOR NON-COST OF ISSUANCE OR NON-OPERATING COSTS REQUESTS ONLY

The undersigned Consulting Engineer hereby certifies that this disbursement from the Series 2026 Acquisition and Construction Account is for a Cost of the Assessment Area One Project and is consistent with: (i) the applicable acquisition or construction contract; (ii) the plans and specifications for the portion of the Assessment Area One Project with respect to which such disbursement is being made; and (iii) the report of the Consulting Engineer, as such report shall have been amended or modified on the date hereof. The Consulting Engineer further certifies and agrees that for any acquisition (a) the portion of the Assessment Area One Project that is the subject of this requisition is complete, and (b) the purchase price to be paid by the District for the portion of the Assessment Area One Project to be acquired with this disbursement is no more than the lesser of (i) the fair market value of such improvements and (ii) the actual cost of construction of such improvements.

Ray Todd
Consulting Engineer

Date: 07.31.2026

AIA® Document G702™ – 1992

Application and Certificate for Payment

TO OWNER: LENNAR HOMES, LLC
6675 WESTWOOD BLVD
5TH FLOOR
ORLANDO, FL 32821

PROJECT: LENNAR:SCHALLER PRESERVE I

APPLICATION NO: 4
PERIOD TO: 7/31/2026
CONTRACT FOR:
CONTRACT DATE:
PROJECT NOS: 26-750 / /

Distribution to:
OWNER ☐
ARCHITECT ☐
CONTRACTOR ☐
FIELD ☐
OTHER ☐

FROM CONTRACTOR: Tucker Paving, Inc.
5658 Lucerne Park Road
Winter Haven, FL 33881

VIA ARCHITECT:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
AIA Document G703™, Continuation Sheet, is attached.

1. ORIGINAL CONTRACT SUM	$	9,568,622.01
2. NET CHANGE BY CHANGE ORDERS	$	-1,822,410.50
3. CONTRACT SUM TO DATE *(Line 1 ± 2)*	$	7,746,211.51
4. TOTAL COMPLETED & STORED TO DATE *(Column G on G703)*	$	2,570,305.08
5. RETAINAGE:		
a. 5.00% of Completed Work *(Columns D + E on G703)*	$	128,515.31
b. ____% of Stored Material *(Column F on G703)*	$	
Total Retainage *(Lines 5a + 5b, or Total in Column I of G703)*	$	128,515.31
6. TOTAL EARNED LESS RETAINAGE *(Line 4 minus Line 5 Total)*	$	2,441,789.77
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT *(Line 6 from prior Certificate)*	$	1,396,490.55
8. CURRENT PAYMENT DUE	$	1,045,299.22
9. BALANCE TO FINISH, INCLUDING RETAINAGE *(Line 3 minus Line 6)*	$	5,304,421.74

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$	$ -1,822,410.50
Total approved this month	$	$
TOTAL	$	$ -1,822,410.50
NET CHANGES by Change Order	$	-1,822,410.50

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Tucker Paving, Inc.
By: [signature] Date: 7/20/24
State of: Florida
County of: Polk
Subscribed and sworn to before me this 20 day of July 2024
Notary Public: [signature]
My commission expires: 11/01/2028

NOTARY PUBLIC STATE OF FLORIDA
SHEILA QUINONES-COATES
Commission # HH 567324
Expires November 1, 2028

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED $ 1,045,299.22
(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:
By: Engineer Rudy Mold Date: 07.31.2026

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

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AIA® Document G703™ – 1992

Continuation Sheet

AIA Document G702™–1992, Application and Certificate for Payment, or G732™–2009, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.
In tabulations below, amounts are in US dollars.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:
APPLICATION DATE: 4
PERIOD TO: 7/31/2026
ARCHITECT'S PROJECT NO: 7/31/2026

A	B	C	D	E	F	G		26-750H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
	1 GENERAL CONDITIONS								
	2 Mobilization	38,752.50	19,376.26	5,812.88		25,189.14	65.00	13,563.36	1,259.46
	3 Maintenance Of Traffic	1,829.06	914.54	182.91		1,097.45	60.00	731.61	54.87
	4 Construction Layout	295,355.69	64,978.25	29,535.57		94,513.82	32.00	200,841.87	4,725.70
	5 Soil Testing	55,842.78	5,584.28	8,376.42		13,960.70	25.00	41,882.08	698.03
	6 Pay & Perform Bond	93,786.34	93,786.34			93,786.34	100.00		4,689.32
	7 EROISON CONTROL								
	8 Type III Silt Fence Double	55,632.39	55,632.39			55,632.39	100.00		2,781.62
	9 Type III Silt Fence Single	7,694.28	7,694.28			7,694.28	100.00		384.71
	10 Temp Const Entrance	9,006.51	6,004.34	3,002.17		9,006.51	100.00		450.33
	11 Inlet Protection	3,289.70						3,289.70	
	12 SWPPP Monitoring	11,184.93	2,796.23	1,118.49		3,914.72	35.00	7,270.21	195.72
	13 ASPHALT & BASE								
	14 12" Stabilized Sub	152,856.48		15,284.29		15,284.29	10.00	137,572.19	764.21
	15 6" Limerock Base	260,720.16						260,720.16	
	16 1.5" SP-9.5 Asphalt Pave	302,281.59						302,281.59	
	17 Concrete								
	18 Type D Curb	8,283.63						8,283.63	
	19 Type F Curb	13,356.90						13,356.90	
	20 Miami Curb	244,398.70						244,398.70	
	21 2' Transition Curb	206.55						206.55	
	22 Mail Kiosk Pad	10,141.56						10,141.56	
	23 4' Onsite Concrete Side	18,393.54						18,393.54	
	24 4' Concrete Side	8,490.60						8,490.60	
	25 ADA Handicap Ramp	23,905.60						23,905.60	
	GRAND TOTAL								

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A	B	C	D	E	F	G		26-750H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
	26 Striping and Signage								
	27 EA), Handicap Signs F&I	3,322.84						3,322.84	
	28 Signing & Striping R1-1 30	36,798.23						36,798.23	
	29 STORM SYSTEM								
	30 19" X 30" ERCP Pipe	56,314.96	28,738.32			28,738.32	51.03	27,576.64	1,436.92
	31 14" X 23" ERCP Pipe	2,888.86	5.81			5.81	0.20	2,883.05	0.29
	32 42" ADS HP Storm Pipe	94,088.16	54,461.54			54,461.54	57.88	39,626.62	2,723.08
	33 36" ADS HP Storm Pipe	145,789.18	170,557.47	-24,768.29		145,789.18	100.00		7,289.46
	34 30" ADS HP Storm Pipe	150,255.14	97,993.43	14,953.16		112,946.59	75.17	37,308.55	5,647.33
	35 24" ADS HP Storm Pipe	194,930.40	105,170.99	23,935.80		129,106.79	66.23	65,823.61	6,455.34
	36 18" ADS Storm Pipe	105,801.24	46,318.41	22,454.22		68,772.63	65.00	37,028.61	3,438.63
	37 72" W X 24" H Box Culvert	861,167.70	431,924.79	177,195.00		609,119.79	70.73	252,047.91	30,455.99
	38 14" X 23" Single Headwall	6,523.76	673.57			673.57	10.32	5,850.19	33.68
	39 19" X 30" Double Headwall	58,361.28	34,517.13			34,517.13	59.14	23,844.15	1,725.86
	40 42" Concrete U Endwall	9,712.77	5,423.30			5,423.30	55.84	4,289.47	271.17
	41 36" Concrete U Endwall	19,000.80	8,755.28			8,755.28	46.08	10,245.52	437.76
	42 24" Concrete U Endwall	21,376.14	13,202.73			13,202.73	61.76	8,173.41	660.14
	43 18" Concrete U Endwall	11,547.40	7,038.46			7,038.46	60.95	4,508.94	351.92
	44 Type J-8 Storm Manhole	35,038.96	26,162.04	2,189.94		28,351.98	80.92	6,686.98	1,417.60
	45 Type P-8 Storm Manhole	34,061.40	30,250.84			30,250.84	88.81	3,810.56	1,512.54
	46 Type D Inlet	114,682.26	35,903.74			35,903.74	31.31	78,778.52	1,795.19
	47 Type F Inlet	12,544.20	7,799.25			7,799.25	62.17	4,744.95	389.96
	48 Type V Inlet	87,363.77	60,706.93			60,706.93	69.49	26,656.84	3,035.35
	49 Type 6 Curb Inlet	226,476.08	181,446.26			181,446.26	80.12	45,029.82	9,072.31
	50 Type C Inlet GRAND TOTAL	12,868.26	7,626.96			7,626.96	59.27	5,241.30	381.35

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PERIOD TO: 7/31/2026
ARCHITECT'S PROJECT NO: 7/31/2026

A	B	C	D	E	F	G		26-750H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
51	Rip Rap Area @ MES	12,771.78						12,771.78	
52	Rip Rap Rubble @ Spreader	87,174.07						87,174.07	
53	Dewater Storm Install	264,772.79	39,715.92	92,670.48		132,386.40	50.00	132,386.39	6,619.32
54	Light Clean & Video	53,430.95						53,430.95	
55	SANITARY SYSTEM								
56	8" DR26 Sanitary Pipe	230,700.16	100,377.53	70,095.16		170,472.69	73.89	60,227.47	8,523.64
57	12" Steel Casing Jack & Bore	38,140.41	2,122.02			2,122.02	5.56	36,018.39	106.10
58	4' Sanitary Manhole 0-6'	55,942.80		13,985.70		13,985.70	25.00	41,957.10	699.29
59	4' Sanitary Manhole 6-8'	72,883.08	30,041.00	8,098.12		38,139.12	52.33	34,743.96	1,906.96
60	4' Sanitary Manhole 8-10'	46,437.95	29,756.59			29,756.59	64.08	16,681.36	1,487.83
61	4' Sanitary Manhole 10-12'	25,008.57	21,926.19			21,926.19	87.67	3,082.38	1,096.31
62	4' Sanitary Manhole 12-14'	26,209.58	18,684.79	7,524.79		26,209.58	100.00		1,310.48
63	4' Sanitary Manhole 14-16'	12,847.37	12,847.37			12,847.37	100.00		642.37
64	4' Sanitary Manhole 14-16	12,350.35	9,880.28			9,880.28	80.00	2,470.07	494.01
65	Single Sanitary Service	53,588.08	28,773.53	11,483.16		40,256.69	75.12	13,331.39	2,012.84
66	Double Sanitary Service	164,664.36	113,752.82	11,761.74		125,514.56	76.22	39,149.80	6,275.73
67	8" X 6" Cleanout Terminal	2,309.94	1,318.28			1,318.28	57.07	991.66	65.91
68	8" Cleanout Assembly End	769.98	439.43			439.43	57.07	330.55	21.97
69	Dewatering Sanitary Install	175,142.16	43,785.54	87,571.08		131,356.62	75.00	43,785.54	6,567.83
70	TV & Air Testing	43,500.93						43,500.93	
71	FORCEMAIN & LIFT STAT								
72	Lift Station (Public)	363,926.38	127,270.68			127,270.68	34.97	236,655.70	6,363.53
73	12" Steel Casing Jack & Bore	39,498.60	4,064.17			4,064.17	10.29	35,434.43	203.21
74	6" DR18 Green Forcemain Pipe	83,282.32	16,969.05	21,916.40		38,885.45	46.69	44,396.87	1,944.27
75	6" MJ 45 Bend	8,083.10	4,780.22			4,780.22	59.14	3,302.88	239.01
	GRAND TOTAL								

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A	B	C	D	E	F	G		26-750H	I
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76	6" MJ 11.25 Bend	3,624.90	2,661.25			2,661.25	73.42	963.65	133.06
77	ARV Valve/Box/Tag W/Vault	8,454.86	5,774.73			5,774.73	68.30	2,680.13	288.74
78	Pressure Testing - Force Main	2,763.33						2,763.33	
79	POTABLE WATER SYTEM								
80	12" Wet Tap W/Valve/Box/Tag	9,646.54	5,664.78			5,664.78	58.72	3,981.76	283.24
81	6" Wet Tap W/Valve/Box/Tag	3,588.64	2,521.19			2,521.19	70.25	1,067.45	126.06
82	Temp Backflow Assemb	3,069.74	1,130.25			1,130.25	36.82	1,939.49	56.51
83	18" Steel Casing Jack & Bore	85,107.60	14,989.46			14,989.46	17.61	70,118.14	749.47
84	10" DR18 Water Pipe	55,915.08	29,574.34	5,106.40		34,680.74	62.02	21,234.34	1,734.04
85	8" DR18 Water Pipe	141,537.40	64,699.78			64,699.78	45.71	76,837.62	3,234.99
86	6" DR18 Water Pipe	70,027.10	25,961.00			25,961.00	37.07	44,066.10	1,298.05
87	6" SCH40 Water Pipe	1,734.71	457.30			457.30	26.36	1,277.41	22.87
88	4" DR18 Water Pipe	19,428.36	4,633.03			4,633.03	23.85	14,795.33	231.65
89	2" SCH40 Water Pipe	7,117.94	1,424.41			1,424.41	20.01	5,693.53	71.22
90	10" MJ Tee	1,618.27	791.35			791.35	48.90	826.92	39.57
91	10" MJ 90 Bend	2,032.52	1,111.43	609.76		1,721.19	84.68	311.33	86.06
92	10" MJ 11.25 Bend	4,128.60	3,067.54			3,067.54	74.30	1,061.06	153.38
93	10" X 8" MJ Tee	2,884.48	1,421.30			1,421.30	49.27	1,463.18	71.07
94	10" X 8" MJ Reducer	2,433.90	1,115.90			1,115.90	45.85	1,318.00	55.80
95	10" MJ 45 Bend	8,497.44	4,107.18	2,124.36		6,231.54	73.33	2,265.90	311.58
96	8" MJ Tee	7,810.96	4,255.18			4,255.18	54.48	3,555.78	212.76
97	8" MJ 45 Bends	16,315.44	7,518.33			7,518.33	46.08	8,797.11	375.92
98	8" X 4" MJ Tee	822.27	412.07			412.07	50.11	410.20	20.60
99	8" X 6" MJ Reducer	706.41	333.39			333.39	47.19	373.02	16.67
100	8" X 4" MJ Reducer	1,139.94	474.18			474.18	41.60	665.76	23.71
	GRAND TOTAL								

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Continuation Sheet

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APPLICATION NO:
APPLICATION DATE: 4
PERIOD TO: 7/31/2026
ARCHITECT'S PROJECT NO: 7/31/2026

A	B	C	D	E	F	G		26-750H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED: THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G ÷ C)	BALANCE TO FINISH (C – G)	RETAINAGE (If variable rate)
101	8" MJ Plug	978.58	356.80			356.80	36.46	621.78	17.84
102	6" MJ Tee	1,702.68	768.62			768.62	45.14	934.06	38.43
103	6" MJ 45 Bend	10,043.76	5,237.44			5,237.44	52.15	4,806.32	261.87
104	6" MJ Plug	578.32	276.57			276.57	47.82	301.75	13.83
105	4" MJ 45 Bend	6,894.34	3,752.10			3,752.10	54.42	3,142.24	187.61
106	4" MJ 22.5 Bend	553.96	222.13			222.13	40.10	331.83	11.11
107	8" MJ Gate Valve W/Box/Tag	45,202.68	31,112.61			31,112.61	68.83	14,090.07	1,555.63
108	6" MJ Gate Valve W/Box/Tag	15,620.76	10,285.81			10,285.81	65.85	5,334.95	514.29
109	2" MJ Gate Valve W/Box/Tag	751.35	419.69			419.69	55.86	331.66	20.98
110	Sample Point	6,526.70						6,526.70	
111	3/4" Water Service	1,604.59	336.88			336.88	20.99	1,267.71	16.84
112	Fire Hydrant Assembly	73,648.17	49,153.93			49,153.93	66.74	24,494.24	2,457.70
113	Single Short Water Serv	26,372.49	16,974.13			16,974.13	64.36	9,398.36	848.71
114	Single Long Water Serv	16,521.12	10,690.62			10,690.62	64.71	5,830.50	534.53
115	Double Short Water Serv	53,578.04	34,589.84			34,589.84	64.56	18,988.20	1,729.49
116	Double Long Water Serv	41,930.64	27,070.32			27,070.32	64.56	14,860.32	1,353.52
117	2" Irrigation Service	6,800.61	3,116.52			3,116.52	45.83	3,684.09	155.83
118	2" Irrigation Service	6,800.61	3,116.52			3,116.52	45.83	3,684.09	155.83
119	Testing And Bactees	8,078.22	325.00			325.00	4.02	7,753.22	16.25
120	Irrigation Sleeves								
121	4" SCH40 Irrigation Sleeves	4,649.40						4,649.40	
122	SITE CLEAR & Demo								
123	Disk Site & Tree Demo, Remove	617,084.15	462,813.12			462,813.12	75.00	154,271.03	23,140.65
124	Well Abandonment Allowance	20,000.00						20,000.00	
125	Earthwork								
	GRAND TOTAL								

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126	Cut Out Proposed Areas	1,179,007.01	212,221.26	235,801.40		448,022.66	38.00	730,984.35	22,401.13
127	Bahia Sod - Pond	304,308.72		31,080.00		31,080.00	10.21	273,228.72	1,554.00
128	Seed & Mulch In Phase 1	60,859.45						60,859.45	
129	Seed & Mulch Phase 2	29,607.30						29,607.30	
130	Retaining Wall								
131	Stack Stone Retain	77,992.08						77,992.08	
132	SIMMONS LOOP ROAD SCOP								
133	Maintenance Of Traffic	175,117.34	17,511.73	70,046.94		87,558.67	50.00	87,558.67	4,377.94
134	Sawcut & Match Existing	8,811.98		8,811.98		8,811.98	100.00		440.60
135	1.25" Milling Remain Asphalt	24,236.91						24,236.91	
136	1.25" SP 9.5 Asphalt Overlay	22,015.95						22,015.95	
137	1.5" SP-12.5 Asphalt Widening	28,177.99		28,177.99		28,177.99	100.00		1,408.90
138	12" Limerock Base For Asphalt	45,693.71		45,693.71		45,693.71	100.00		2,284.69
139	6' Wide Stabilized Shoulder	12,655.75		12,655.75		12,655.75	100.00		632.79
140	Type F Curb	15,812.55						15,812.55	
141	Flared End Of Curb	1,161.96						1,161.96	
142	5' Concrete Offsite Side 4"	86,682.96						86,682.96	
143	ADA Handi Ramp Type CR-E	8,367.03						8,367.03	
144	Gravity Wall W/Handrail	211,207.19		44,386.80		44,386.80	21.02	166,820.39	2,219.34
145	Signing & Striping Offsite	26,120.77						26,120.77	
146	19" X 30" ERCP Pipe	6,463.08		3,590.60		3,590.60	55.56	2,872.48	179.53
147	Type P-4 Curb Inlet	6,790.29						6,790.29	
148	Dewatering Storm Install	1,338.12		1,338.12		1,338.12	100.00		66.91
149	Bahia Sod - ROW	20,107.28		6,512.00		6,512.00	32.39	13,595.28	325.60
150	CO1 EMPIRE PIPE & SUPPLY	-910,665.35	-910,665.35			-910,665.35	100.00		-45,533.27
	GRAND TOTAL								

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151	CO2 DELZOTTO PO CREDIT	-27,361.53	-27,361.53			-27,361.53	100.00		-1,368.08
152	CO3 MACK ODP PO CREDIT	-884,383.62	-884,383.62			-884,383.62	100.00		-44,219.18
	Totals GRAND TOTAL	7,746,211.51	1,469,990.08	1,100,315.00		2,570,305.08	33.18	5,175,906.43	128,515.31

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SECTION 3

Schaller Preserve
Community Development District

Funding Request # 23
September 22, 2026

Bill to: Lennar Homes
4301 W Boy Scout Blvd, Suite600
Tampa, FL 33607

	Payee		General Fund FY2026
1	Operations & Maintenance Funding	$	20,000.00
		$	**20,000.00**
	Total:	**$**	**20,000.00**

Please make check payable to:

Schaller Preserve Community Development District
6200 Lee Vista Blvd, Suite 300
Orlando, FL 32822