

Welcome to the

JEA Awards Meeting

May 22, 2025, 10:00 AM EST

You have been joined to the meeting with your **audio muted** by default.

At the designated public comment time we will provide opportunity for you to unmute to speak.

During the meeting, public comments received via e-mail regarding any matter on the agenda for consideration will be read out. Per the Public Notice Agenda posted on JEA.com, public comments by e-mail must be received no later than 9:00 a.m. on the day of the meeting to be read during the public comment portion of the meeting.

Please contact **Sarah Millsap** by telephone at **(904)776-4311** or by email at **millse@jea.com** if you experience any technical difficulties during the meeting.

JEA Awards Agenda
May 22, 2025
225 North Pearl St., Jacksonville, FL 32202 - Hydrangea Room 1st Floor

[Teams Meeting Info](#)

Consent Agenda

The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. **All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief.** The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for **Formal Purchases** as defined by **Section 3-101 of the JEA Procurement Code**. Please refer to JEA's Procurement Code, if you wish to protest any of these items.

Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Business Unit Estimate	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term (Projected Start Date - End Date)	JSEB Participation (Y/N) If Y, then list company name(s) (% , \$ - awarded)												
1	Minutes	Minutes from 05/15/2025 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A												
2	Single Source	District Energy System Cooling Towers Repair	Vu	French & Company, Inc.	Capital	\$374,344.00	\$374,344.00	N/A	\$374,344.00	N/A	Project Completion Start: 05/23/2025 End: 07/31/2025	N												
<p>For additional information contact: David King</p> <p>The scope of work for the Downtown and Springfield District Energy System (DES) sites includes replacing the distribution system within each existing cooling tower cell. The work consists of installing new lateral piping, spray arm assemblies, nozzles, and stainless steel hardware, while retaining the main header. These repairs are necessary as the existing distribution system has reached the end of its service life. The deteriorating headers and nozzles are causing damage to the filters and reducing the heat transfer efficiency of the cooling towers. French & Company is the sole authorized provider in the area for parts and service for SPX/Marley cooling tower systems.</p> <p>JEA has performed this work in 2018, and the current project cost is in line with the CPI increases over time and is deemed reasonable.</p>																								
3	Single Source	Buckman WRF Chains and Flights Rehab and Replacement	Vu	Evoqua Water Technologies LLC	Capital	\$1,890,000.00	\$1,783,160.00	N/A	\$1,783,160.00	N/A	Project Completion Start: 06/01/2025 End: 03/27/2026	N												
<p>For additional information contact: Darriel Brown</p> <p>The scope of work involves the rehabilitation of the Buckman Primary Clarifiers. The flight chains and associated mechanisms degrade over time due to wear and corrosion in the harsh wastewater environment and must be replaced periodically. Historically, these components require replacement approximately every five years. The eight clarifier channels were last rehabilitated in 2021, and the next rehabilitation is scheduled for completion in 2026. Evoqua, the original equipment manufacturer (OEM) and sole provider of the existing equipment, will replace eight chains, scraper flights, and three cross collectors. The chains, scrapers, and crosses are critical components used to continuously move and collect settled solids (sludge) from the bottom of the clarifiers for removal and further treatment.</p> <p>JEA staff compared the current rehabilitation quote to the work completed in 2021 and noted an increase of approximately 47%; this can be compared to a 23% increase in CPI from August 2020 to April 2025. The additional cost is attributed to the current scope including additional work not performed in 2020-2021, such as tank cleaning, installation of cross-collector shafts, replacement of bearings, and a longer time for crane rental.</p> <p>It should be noted that the award is to not be construed as an approval of the terms and conditions contained in Evoqua's quote attached to the Award. The purchase will be subject to JEA's standard terms and conditions except as may be negotiated otherwise by JEA and Evoqua.</p>																								
4	Piggyback-NASPO Contract	Palo Alto: Enterprise License Agreement -Data Loss Prevention	Datz	Netsync Network Solutions, Inc	O&M	\$1,333,088.00	\$2,507,561.81	N/A	\$2,507,561.81	N/A	Three (3) Years Begin Date: 06/01/2025 End Date: 05/31/2028	N												
<p>Piggyback: NASPO Value Point Solutions Contract# AR2472 Cloud Solutions Contract Term: Start Date 10/15/2016 through 09/16/2026 (12 month survivability through 09/16/2027)</p> <p>For Additional Information Contact: Angel Love</p> <p>This request is to create an Enterprise Agreement(EA) with Cybersecurity Company Palo Alto Networks for firewall hardware maintenance, software subscriptions and premium support services which is a JEA standard. The software offerings for this agreement include subscriptions to all the best-in-class network security toolsets covering IPS/Sandboxing, Web Security, Extension, Optimization and Data Loss Prevention(DLP). The EA Agreement is expected to streamline purchasing, deployment, activation, and management of all JEA's Palo Alto Networks physical, virtual or cloud devices by providing a single authorization code, standardizing device software capabilities, eliminating recurring annual fees and aligning contract dates. It includes a consumption dashboard that tracks hardware growth trends to assist in planning and budgeting, accommodating up to 20% growth beyond forecasts is included within the agreement.</p> <p>The increased costs are driven by the inclusion of additional IT/IoT firewalls, Enterprise DLP, and other security subscription licenses necessitated by the heightened threat landscape and evolving Information Security requirements. Although costs have increased, the 3-year Enterprise Agreement offers significant benefits, including roughly \$427,000.00 in savings compared to a 3-year plan billed annually. This option is also approximately \$134,000.00 less than if JEA only renewed the A la Carte contract for one year, and again the following two at the traditional uplifts with no added benefits and additional cost in support as devices are added. The Enterprise Agreement supports future growth by eliminating extra support costs for added devices and adds extra subscription options. It also co-terms all our past individual purchases making renewals one event rather than multiple. It supports future growth by eliminating extra support costs for added devices and adds extra subscription options.</p> <p>JEA is leveraging NASPO contract through Netsync and compared quotes from other resellers including an alternative Data Loss Prevention excluded configuration. After conducting additional due diligence and comparing quotes from other resellers using public contracts, it was determined that Netsync offered the lowest pricing. Netsync Network Solutions and Palo Alto Networks have agreed to honor the current quote provided a contract is executed by May 31, 2025. The budget forecast from last year only accounted for products active at that time, excluding those still in the capital phase. Current increases are due to some products transitioning to operations, previously prepaid items now appearing as credits on the EA, and heightened security and compliance requirements.</p>																								
5	Invitation to Negotiate (ITN)	1411912646 Barricade Services	Vu	ACME Barricades	Capital and O&M	\$1,766,771.10	\$2,139,125.00	N/A	\$2,139,125.00	N/A	Three (3) Years w/Two (2) - 1 Yr. Renewals Start: 06/01/2025 End: 05/31/2030	N												
<p>Advertised: 01/07/2025 Opened: 02/19/2025</p> <p>Three (3) Proposers, Two (2) Short-listed Public Evaluation Meeting: 04/17/2025 Proposers (Ranked):</p> <table border="1"> <thead> <tr> <th>Company</th> <th>Rank</th> <th>Score</th> <th>BAFO Bid Total</th> </tr> </thead> <tbody> <tr> <td>ACME Barricades</td> <td>1</td> <td>260</td> <td>\$2,139,125.00</td> </tr> <tr> <td>Bob's Barricades, Inc.</td> <td>2</td> <td>249</td> <td>\$2,059,996.50</td> </tr> </tbody> </table> <p>For additional information contact: Darriel Brown</p> <p>The scope of work for this contract includes furnishing and installing barricades, related signage, and other traffic control equipment to support JEA Electrical, Meter Services, Water and Wastewater Maintenance, Construction, and Repair activities within JEA's four-county service area (Duval, Clay, Nassau, and St. Johns Counties). The contractor is required to provide staff and resources on a 24-hour, seven-days-per-week basis to meet both routine and emergency requests for the placement and removal of barricades and traffic control equipment.</p> <p>This Invitation to Negotiate (ITN) evaluated multiple criteria, including pricing, past performance, equipment inventory, organizational structure, quality metrics, and Jacksonville Small and Emerging Business (JSEB) participation. Based on the evaluation, ACME Barricades was determined to be the highest-ranked respondent. ACME received superior scores in the categories of equipment inventory and organizational structure, which outweighed the lower pricing advantage offered by Bob's Barricades.</p> <p>Following the issuance of the notice of intent to award, Bob's Barricades filed a protest. An informal hearing was conducted, and after reviewing all submitted materials, JEA upheld its original decision to award the contract to ACME Barricades.</p> <p>Under the new contract, unit rates will, on average, increase by approximately 16% compared to the current contract rates. The current contract rates were last agreed to on 2/8/2024; that was the only increase requested and granted from the start of the previous contract on 3/21/2019. For comparison, CPI has increased 26% from March 2019 to April 2025. The Best and Final Offer (BAFO) process did not result in a price reduction, as ACME chose to maintain its initial pricing. The contract includes provisions for annual price adjustments based on changes to the Consumer Price Index (CPI).</p>													Company	Rank	Score	BAFO Bid Total	ACME Barricades	1	260	\$2,139,125.00	Bob's Barricades, Inc.	2	249	\$2,059,996.50
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ACME Barricades	1	260	\$2,139,125.00																					
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6	Intent to Negotiate (ITN)	1411902047 Electric Meter Material for JEA Inventory FY25	Phillips	Gresco Supply, Inc. Stuart C. Irby Tri-State Utility Products, Inc. Wesco Distribution, Inc.	Inventory	\$3,112,785.51	\$2,255,828.06 \$158,477.44 \$45,570.50 \$528,566.14	\$2,988,442.14	\$2,988,442.14	N/A	Five (5) Years w/Two (2) - 1 Yr. Renewals Start Date: 05/29/2025 End Date: 05/28/2030	No
	<p>Advertised: 02/10/2025 Opened: 03/11/2025 Five (5) Bids Received: Stuart C. Irby, Co. Awarded 11 items \$ 158,477.44 Tri-State Utility Products, Inc. Awarded 4 items \$ 45,570.50 Wesco Distribution, Inc. Awarded 39 items \$ 528,566.14 Inner-Tite Corporation Not Shortlisted Gresco Supply, Inc. Awarded 22 Items \$2,255,828.06 Public Evaluation Meeting: 03/19/2025 BAFO Public Meeting: 05/02/2025 For additional information contact: Lynn Rix</p> <p>This request is to award Suppliers that can provide electric meter material at the best value to JEA with regards to pricing, lead time, and value add programs. During the initial evaluation stage, Inner-Tite Corporation was eliminated from further negotiation as they only bid on 4 items and were not the lowest priced on any of them. Negotiations were conducted with the remaining four (4) Suppliers.</p> <p>In the final analysis, each item earned a price score (60 points maximum) that was added to the evaluated score of Lead Time and Program to Maintain Lead time (20 points maximum) and Value Add, Capabilities, and Experience Items (20 points maximum). The awarded items are based on this process (see attached document).</p> <p>These items have not been on contract for several years and the last price paid shows this contract will save JEA \$124,368.37 or 4%. Of those savings, \$34,921.31 or 1.61%, was gained in the BAFO round. Beyond capping costs, the additional benefit of having these items on contract are the efficiency savings of reduced labor costs and streamlined workflows.</p>											

7	Joint Participation	1411959846 JEA Cecil Commerce Center Utility Extensions and COJ Logistics Lane Extension	Zammataro	J. B. Coxwell Contracting, Inc.	Capital	\$8,859,600.00	\$6,610,726.65	N/A	\$6,610,726.65	N/A	Project Completion Start: 07/01/2025 End: 05/31/2026	Y DJ Contracting of Jacksonville, Inc. \$265,961.00 15% M&J Striping, Inc. \$63,005.73 3%
	<p>Advertised: 03/25/2025 Opened: 05/06/2025 Three (3) bids received J. B. Coxwell Contracting, Inc. \$8,770,240.00 Ferreira Construction Southern Division dba Ferreira Construction Co, Inc. \$9,317,589.51 T. G. Utility Company, Inc. \$9,823,817.00 For additional information contact: David King</p> <p>JEA solicited bids for the Cecil Commerce Center Utility Extensions and Logistics Lane Road Extension Project, covering approximately 250 acres in the area. The project includes installation of a 24-inch ductile iron water main to service the southwest corner of the site and a force main system involving 16-inch and 12-inch PVC pipelines for wastewater conveyance. A new Class II sewer lift station will be constructed, including all site work, electrical, and pump systems, with power supplied through a new conduit and manhole system installed by the contractor. Modifications to the underground electric system will support the new lift station and associated infrastructure, with potential value engineering to reuse existing conduits. Additionally, the project involves extending Logistics Lane by approximately 1,100 linear feet using city-provided fill material, complying with JEA and City of Jacksonville (COJ) standards.</p> <p>JEA bid both its scope of work (\$6,610,726.65) and COJ's scope of work (\$2,159,513.35) as a single solicitation package to facilitate site coordination. COJ will award its portion separately. The bid analysis determined the lowest bidder based on the combined total bid; however, J.B. Coxwell Contracting remained the lowest bidder when evaluating the JEA and COJ bid prices individually.</p>											

Consent Agenda Action

Committee Members in Attendance	Names _____, _____, _____
Motion by:	
Second By:	
Committee Decision	

Consent and Regular Agenda Signatures

Budget	Name/Title _____
Awards Chairman	Name/Title _____
Procurement	Name/Title _____
Legal	Name/Title _____

<p align="center">JEA Awards Agenda May 15, 2025 225 North Pearl St., Jacksonville, FL 32202 - Board Room 1st Floor Teams Meeting Info Consent Agenda</p>												
<p>The Chief Procurement Officer offers the following items for the JEA Awards Consent Agenda. Any item may be moved from the Consent Agenda to the Regular Agenda by a committee member asking that the item be considered separately. All items on the Consent agenda have been approved by OGC, Budget and the Business Unit Vice President and Chief. The posting of this agenda serves as an official notice of JEA's intended decision for all recommended actions for Formal Purchases as defined by Section 3-101 of the JEA Procurement Code. Please refer to JEA's Procurement Code, if you wish to protest any of these items.</p>												
Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Funding Source	Business Unit Estimate	Award Amount	Original Award Amount	New Not-to-Exceed	Amendments	Term (Projected) Start Date - End Date	JSEB Participation (Y/N) If Y, then list company name(s) (% , \$ - awarded)
1	Minutes	Minutes from 05/08/2025 Meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Contract Increase	1410527046 - Restoration of Disturbed Asphalt	Zammataro	Warren Asphalt, Inc.	O&M and Capital	\$14,227,541.77	\$14,227,541.77	\$20,460,825.00	\$35,688,366.77	04/09/2025 - \$1,000,000.00	Five (5) Years w/Two (2) - 1 Yr. Renewals Start: 06/01/2022 End: 05/31/2027	Yes - Ten Percent (10%) Requirement M&J Stripping (Stripping) 1% (356,883.67) DJ Contracting of Jacksonville, Inc. (Trucking Materials) - 10% (3,568,836.67)
	Moved to Regular Agenda											
3	Invitation For Bid (IFB)	1411963846 (IFB) JEA Fulton Cut Bulk Material Package	Erixton	Wesco Distribution, Inc.	Capital	\$994,500.00	\$912,774.25	N/A	\$912,774.25	N/A	One-Time Purchase Start Date: 05/16/2025 End Date: 02/01/2026	N
	<p>Advertised: 03/21/2025 Opened: 04/22/2025 One (1) Bid Received Wesco - \$917,774.25 Gresco - No Bid Irby - No Bid Dis-Tran - No Bid</p> <p>For additional information contact: Jason Behr</p> <p>The Fulton Cut project is where JEA will be modifying six (6) 230kV transmission circuits to increase clearances over the St. Johns River in Jacksonville, FL to provide access for Post-Panamax class shipping vessels to JaxPort. The project is comprised of six (6) PyraMax towers, and twelve (12) monopole structures to be installed among the six circuits. Additionally, the project requires modification of the distribution within the project sites that feed the FAA lighting systems. Both overhead and underground distribution primary and secondary will be required. New FAA lighting systems will be installed on new structures. This project comprised of multiple awards to optimize JEA's approach to the project which comprised of Generally Design Engineering, Project Engineer, Primary Conductor, Optical Ground Wire, Towers & Poles, and General Material.</p> <p>The scope of this solicitation was to provide the General Material for the project. The bill of material needed to support the project are split into two segments which are transmission material and distribution material. Each set of material will be required to be packaged by location to the Northbank site. Therefore, there are comprehensive summary lists of materials but also materials by location to facilitate packaging and shipping.</p> <p>We solicited multiple suppliers and extended the bid due date to encourage greater participation. While we reached out to additional suppliers, they declined to participate due to workload constraints or because the scope fell outside their typical offerings. Wesco's bid came in under budget estimate so this award is deemed reasonable.</p>											
4	Change Order	1411536246 - McMillan St Pump Station - 42-inch Force Main Rehabilitation	Zammataro	Ferreira Construction Southern Division, Inc.	Capital	\$1,600,000.00	\$1,563,898.79	\$7,843,769.81	\$9,407,668.60	N/A	Project Completion Start: 02/22/2024 End: 08/30/2025	N
	<p>Last awarded: 02/15/2024 For additional information contact: Dan Kruck</p> <p>The scope of work for this contract includes furnishing all labor, materials, equipment, and incidental items necessary to access the site; clean, inspect via CCTV, test, and rehabilitate the existing 42-inch McMillan reinforced concrete pipe (RCP) force main; and grout-fill the existing 18-inch Kinlock force main.</p> <p>This change order request seeks to revise the rehabilitation method for the 42-inch force main from the originally specified spray-applied liner to a predominantly cured-in-place pipe (CIPP) lining system. Unlike the spray-in liner, CIPP requires significantly less manned entry, surface preparation, and pipe conditioning (e.g., maintaining a dry interior). This change reduces safety risks by minimizing the need for personnel to be inside the force main during the rehabilitation process.</p> <p>Additionally, the CIPP method lowers the likelihood of requiring supplemental pipe preparation to achieve structural integrity prior to liner installation. It offers JEA a structurally sound, long-lasting solution that accelerates installation and shortens the overall project timeline by approximately three to four months.</p> <p>JEA staff has reviewed the change order quote and determined that the proposed pricing is reasonable when compared to current CIPP projects being undertaken by JEA.</p>											
Consent Agenda Action												
Committee Members in Attendance	Names	Joseph Orfano, William Baker, Jordan Pope										
Motion by:	Jordan Pope											
Second By:	William Baker											
Committee Decision	Approve items 1, 3-4; move item #2 to the regular agenda (motioned by William Baker second by Jordan Pope) .											

Award #1 Supporting Documents 5/22/2025

Regular Agenda												
Award #	Type of Award	Solicitation # & Short Description/Title	VP	Awardee	Award Amount	Business Unit Estimate	Original Award Amount	New Not-to-Exceed	Amendments	Term	JSEB Participation (Y/N) If Y, then list company name(s) (%; \$ - awarded)	Action
1	Contract Increase	1416527046 - Restoration of Disturbed Asphalt	Zammataro	Warren Asphalt, Inc.	\$14,227,541.77	\$14,227,541.77	\$20,460,025.00	\$35,688,366.77	04/09/2025 - \$1,000,000.00	Five (5) Years w/Two (2) - 1 Yr. Renewals Start: 06/01/2022 End: 05/31/2027	Yes - Ten Percent (10%) Requirement M&J Stripping (Stripping) - 1% (3,568,836.67) DJ Contracting of Jacksonville, Inc. (Trucking Materials) - 10% (3,568,836.67)	Motion by: Jordan Pope Second by: William Baker Committee Decision: Approved
<p>Last awarded: 04/07/2022 For additional information contact: Darril Brown</p> <p>The scope of work under this contract includes the restoration of asphalt on City, County, and FDOT roadway, rights-of-way, and easements. It also covers compaction and density testing, proctor testing, and asphalt paving activities such as hole filling, compaction, and asphalt setting throughout the JEA service area, which includes the City of Jacksonville as well as Duval, Nassau, St. Johns, and Clay Counties.</p> <p>Within the first six months of the contract, an 8% price increase was requested and approved due to material shortages, supply chain disruptions, and rising material costs. Subsequent pricing adjustments have aligned with the contract's provisions for annual CPI-based increases—2.5% in FY23 and 3.5% in FY24.</p> <p>Demand for asphalt site rehabilitation has risen substantially in FY25. Specifically, mobilization work tickets have increased by 24%, and asphalt repair (measured in square yards) has risen by 22% compared to 2022. These increases are primarily attributed to a higher volume of water and sewer operations and maintenance work performed by crews based at Pearl Street.</p> <p>At the time of the original contract award, Facilities did not have a forecast of the unit items expected to be used. The current cost increase accounts for actual asphalt paving usage by Facilities from 2022 to present and includes projections through the remainder of the contract term.</p> <p>DISCUSSION/ACTION: The award was pulled to the regular agenda due to the size of the contract and the desire to discuss the increase. It was explained that demand for asphalt rehabilitation has risen substantially since 2022. In addition, the Facilities group did not have a forecast at the time of original award. This increase covers increased costs, the increased demands and the Facilities additions from the onset of the contract to the completion.</p> <p>DISCUSSION/ACTION PARTICIPANTS: Joseph Orfino and Joe Perez</p>												

Consent and Regular Agenda Signatures				
Budget	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Name/Title</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	Name/Title		
Name/Title				
Awards Chairman	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Name/Title</td> <td style="border-bottom: 1px solid black;"></td> <td style="width: 10%; text-align: center;">Deputy CFO</td> </tr> </table>	Name/Title		Deputy CFO
Name/Title		Deputy CFO		
Procurement	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Name/Title</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	Name/Title		
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Legal	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; border-bottom: 1px solid black;">Name/Title</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	Name/Title		
Name/Title				

Certification of Single Source or Emergency Procurement

Please use this form to certify a Single Source or Emergency Procurement complies with the requirements of the JEA Procurement Code. The JEA Procurement Code defines a Single Source and Emergency Procurement as follows:

3-112 Single Source

A Contract may be awarded for Supplies or Services as a Single Source when, pursuant to the Operational Procedures, the Chief Procurement Officer determines that:

- (a) there is only one justifiable source for the required Supplies or Services; **Note: Please provide justification.**
- (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors; **Note: If this is a Single Source Standard or OEM, please provide proper backup documentation.**
- (c) the Services are a follow-up of Services that may only be done efficiently and effectively by the Vendor that rendered the initial Services to JEA, provided the Procurement of the initial Services was competitive;
- (d) at the conclusion of a Pilot Project under Section 3-118 of this Code, the Procurement of Supplies or Services tested during the Pilot Project, provided the Vendor was competitively selected for the Pilot Project.

3-113 Emergency Procurements

In the event of an Emergency, the Chief Procurement Officer may make or authorize an Emergency Procurement, provided that Emergency Procurements shall be made with as much competition as practicable under the circumstances. A written Determination of the basis for the Emergency and for the selection of the particular Vendor shall be included in the Procurement file.

For purposes of this Section 3-113, an "Emergency" means any one of the following:

- (a) a reasonably unforeseen breakdown in machinery;
- (b) an interruption in the delivery of an essential governmental service or the development of a circumstance causing a threatened curtailment, diminution, or termination of an essential service;
- (c) the development of a dangerous condition causing an immediate danger to the public health, safety, or welfare or other substantial loss to JEA;
- (d) an immediate danger of loss of public or private property;
- (e) the opportunity to secure significant financial gain, to avoid delays to any Governmental Entity or avoid significant financial loss through immediate or timely action; or (f) a valid public emergency certified by the Chief Executive Officer.

Please provide the following information:

Vendor Name:

Description of Services or Supplies provided by Vendor:

Award #2 Supporting Documents 5/22/2025

Certification:

I the undersigned certify that to the best of my knowledge, no JEA employee has, either directly or indirectly, a financial interest in this Single Source Emergency Procurement, and

I the undersigned certify that this procurement meets the requirements of a (choose one of the following):

_____ **Single Source Procurement.** Please state which subsection of Section 3-112 above applies to this Single Source Procurement:

Is this Single Source also a Ratification? Yes No If yes, explain

OR

_____ **Emergency Procurement** - Please state which subsection of Section 3-113 above applies to this Emergency

Is this Emergency also a Ratification? Yes No If yes, explain

Signature of JEA Business Unit Chief (or designee)

Name of JEA Business Unit Chief (or designee)

This certification shall be attached to the Purchase Order when it is routed for approval. A Single Source or Emergency Procurement shall be reported to the JEA Board in accordance with Section 1-110 of the JEA Procurement Code.

French & Company, Inc.

6510 Columbia Park Drive; Suite 101
Jacksonville, FL 32258
904 281-9595
Fax 904 281-9596

Representatives of **Marley Cooling Technologies, Inc.**

April 23, 2025

JEA
Jacksonville, FL

Subject: Cooling Tower Repair- Springfield Chiller Plant

Dear Dan,

French and Company propose the following:

1. Replace the distribution system in an existing cooling tower, per cell, to include all lateral piping, spray arm assemblies, nozzles and stainless steel hardware. The main header will remain.

All components are OEM and will maintain the requested design temperatures. All components are Marley specified

Total Price: \$46,793.00 per cell
\$187,172.00 TOTAL for all 4 cells

Pricing includes all material, labor, freight, and equipment
The pricing shown is for one (1) cell and based on completion of 4 cells
Expect 10 weeks for the delivery of required materials
Expect 4-5 days for the completion of one cell

Sincerely,
French and Company, Inc.

David French



French & Company, Inc.

6510 Columbia Park Drive; Suite 101
Jacksonville, FL 32258
904 281-9595
Fax 904 281-9596

Representatives of **Marley Cooling Technologies, Inc.**

April 23, 2025

JEA
Jacksonville, FL

Subject: JEA Chiller Plant – Downtown Facility

Dear Dan,

French and Company propose the following:

1. Replace the distribution system in an existing cooling tower, per cell, to include all lateral piping, spray arm assemblies, nozzles and stainless steel hardware. The main header will remain.

All components are OEM and will maintain the requested design temperatures. All components are Marley specified

Total Price: \$46,793.00 per cell
\$187,172 .00 for all 4 cells

Pricing includes all material, labor, freight, and equipment
The pricing shown is for one (1) cell and based on completion of all 4 cells
Expect 10 weeks for the delivery of required materials
Expect 4-5 days for the completion of one cell

Sincerely,
French and Company, Inc

David French





MARLEY

RECOLD

SGS

April 23, 2025

To Whom it May Concern

Ref.: French and Company, Inc.

This letter will serve to inform you that French and Company, Inc.. is the sole source provider for parts, service and new equipment for the HVAC, Light Industrial and Heavy Industrial markets for SPX Cooling Tech LLC/Marley for the following counties in Florida and Georgia.

Florida		Georgia	
Alachua	Lafayette	Atkinson	Pierce
Baker	Leon	Berrien	Ware
Bradford	Levy	Brantley	Wayne
Clay	Liberty	Brooks	
Columbia	Madison	Camden	
Dixie	Nassau	Charlton	
Duval	Putnam	Clinch	
Flagler	St. Johns	Cook	
Franklin	Suwannee	Echols	
Gadsden	Taylor	Glynn	
Gilchrist	Union	Lanier	
Hamilton	Wakulla	Lowndes	
Jefferson		McIntosh	

Please feel free to contact me if you have any questions.

Sincerely,

Kevin P. Dwyer
Southeast Regional Manager



Certification of Single Source or Emergency Procurement

Please use this form to certify a Single Source or Emergency Procurement complies with the requirements of the JEA Procurement Code. The JEA Procurement Code defines a Single Source and Emergency Procurement as follows:

3-112 Single Source

A Contract may be awarded for Supplies or Services as a Single Source when, pursuant to the Operational Procedures, the Chief Procurement Officer determines that:

- (a) there is only one justifiable source for the required Supplies or Services. Examples include: highly specialized equipment, exclusive intellectual property, membership to an organization.
- (b) the Supplies or Services must be a certain type, brand, make or manufacturer due to the criticality of the item or compatibility within a JEA utility system, and such Supplies or Services may not be obtained from multiple sources such as distributors. Examples include: OEM, JEA Standard.
- (c) the Services are a follow-up of Services that may only be done efficiently and effectively by the Vendor that rendered the initial Services to JEA, provided the Procurement of the initial Services was competitive;
- (d) at the conclusion of a Pilot Project under Section 3-118 of this Code, the Procurement of Supplies or Services tested during the Pilot Project, provided the Vendor was competitively selected for the Pilot Project.

3-113 Emergency Procurements

In the event of an Emergency, the Chief Procurement Officer may make or authorize an Emergency Procurement, provided that Emergency Procurements shall be made with as much competition as practicable under the circumstances. A written Determination of the basis for the Emergency and for the selection of the particular Vendor shall be included in the Procurement file.

For purposes of this Section 3-113, an "Emergency" means any one of the following:

- (a) a reasonably unforeseen breakdown in machinery;
- (b) an interruption in the delivery of an essential governmental service or the development of a circumstance causing a threatened curtailment, diminution, or termination of an essential service;
- (c) the development of a dangerous condition causing an immediate danger to the public health, safety, or welfare or other substantial loss to JEA;
- (d) an immediate danger of loss of public or private property;
- (e) the opportunity to secure significant financial gain, to avoid delays to any Governmental Entity or avoid significant financial loss through immediate or timely action; or (f) a valid public emergency certified by the Chief Executive Officer.

Please provide the following information:

Vendor Name:

Heyward Florida Inc., Evoqua, and Xylem

Description of Services or Supplies provided by Vendor:

Provide the material and install of the replacement chain and flights for the Primary Tanks at Buckman WRF. The chain and flights are in need of replacement do to age and heavy loading causing failures.
Evoqua, through their local representative company Heyward Florida Inc., will provide the material, labor and equipment for the work. Evoqua is the OEM provider of the equipment.

Certification:

I the undersigned certify that to the best of my knowledge, no JEA employee has, either directly or indirectly, a financial interest in this Single Source Emergency Procurement, and

I the undersigned certify that this procurement meets the requirements of a (choose one of the following):

Single Source Procurement. Please state which subsection of Section 3-112 above applies to this Single Source Procurement: 3-112 (OEM)

Is this Single Source also a Ratification? Yes No If yes, explain

OR

Emergency Procurement - Please state which subsection of Section 3-113 above applies to this Emergency

Is this Emergency also a Ratification? Yes No If yes, explain

Robert Zammataro

Digitally signed by Robert Zammataro
Date: 2025.04.15 08:19:38-04'00'

//2025

Signature of JEA Business Unit Chief (or designee)

Robert Zammataro

Name of JEA Business Unit Chief (or designee)

This certification shall be attached to the Purchase Order when it is routed for approval. A Single Source or Emergency Procurement shall be reported to the JEA Board in accordance with Section 1-110 of the JEA Procurement Code.

Project Scope Statement

Project Name:	Buckman WRF – Primary Tank Chain and Flights Replacement 2025
Address:	2221 Buckman St. Jacksonville, FL 32206
Overall Project Budget:	1,761,300.00
Start Date:	04/1/2025
Index #:	
Priority:	
Requested By:	Kenny Eickelberg

Revision History (add rows as needed)			
Version	Date	Author	Comments
001	03/03/2025	KWE	Original PSS

Project Stakeholders (add or delete rows as applicable)	
Role	Name
Project Manager	Kenny Eickelberg
Project Originator	Kenny Eickelberg
Engineering	M. Dvoroznak

Project Scope Statement – Steering Committee Approval If applicable (add rows as applicable)			
Role	Name	Approval Received	Date of Approval
Sr. VP of W/WW Systems	H. Vu	<input type="checkbox"/>	
Project Owner/ Director	J Sgambettera	<input type="checkbox"/>	
Manager of PM	M. Dvoroznak	<input type="checkbox"/>	
Project Manager (PM)	K. Eickelberg	<input type="checkbox"/>	
Project Originator	F. González Vargas	<input type="checkbox"/>	
O&M	Herb De Camp	<input type="checkbox"/>	

Introduction & Background

The Buckman Water Reclamation Facility (WRF), located off Talleyrand Avenue, provides advanced secondary treatment with nitrogen reduction for a permitted flow of 52.5 MGD. The treatment process includes coarse screening, influent pumping, grit removal and handling, pre-aeration channel, primary clarification, activated sludge with a fine bubble aeration system, secondary clarification, UV disinfection, and wet-weather effluent pumping. The Buckman WRF currently discharges effluent to the St. Johns River.

Project Justification & Scope of Work

Award #3 Supporting Documents 5/22/2025

The intent of this document is to provide justification for the scheduled rehabilitation of the primary clarification process at the Buckman WRF. This includes eight primary clarifiers. Primary treatment is the first process in the wastewater treatment plant to remove a significant fraction of organic particulate matter (suspended solids), which include settleable solids and floating material. These suspended solids contribute to biochemical oxygen demand (BOD5) of the wastewater. Thus, removing suspended solids also reduces BOD5. The process is important because the reduction of suspended solids and BOD5 lowers the oxygen demand, decreases the rate of energy consumption, and reduces operational problems with downstream biological treatment processes. Primary treatment also serves the important function of removing scum and inert particulate matter that was not removed in the grit chamber. The scum consists of grease, oil, plastic, leaves, rags, hair, and other floatable material.

The primary clarifier tanks 1-8 were initially constructed in 1958. The rectangular tanks use chain-and-flight solids collectors. The equipment consists of a pair of endless conveyor chains. Attached to the chains are scraper flights, extending the full width of the tank. The operational design of this process requires periodic replacement and rehabilitation of the mechanical components, which are continuously exposed to corrosive environments and wastewater flows. The equipment to be replaced includes the conveyor chains, flight boards, cross-collectors, and sprockets. Due to the interconnectivity and cost of bypass, it's economically efficient to replace this equipment as a unit. According to operational data, the expected life of the mechanical components is 5 years. Observed wear indicated that the mechanical equipment is in need of rehabilitation. From February 2020 to Present Twenty-eight "Corrective/Reactive Maintenance" work orders were charged to the described components. These include broken flight boards, and chains; in addition, to slipping sprockets and motor fails.

The following equipment and services are included in Evoqua's scope of work:

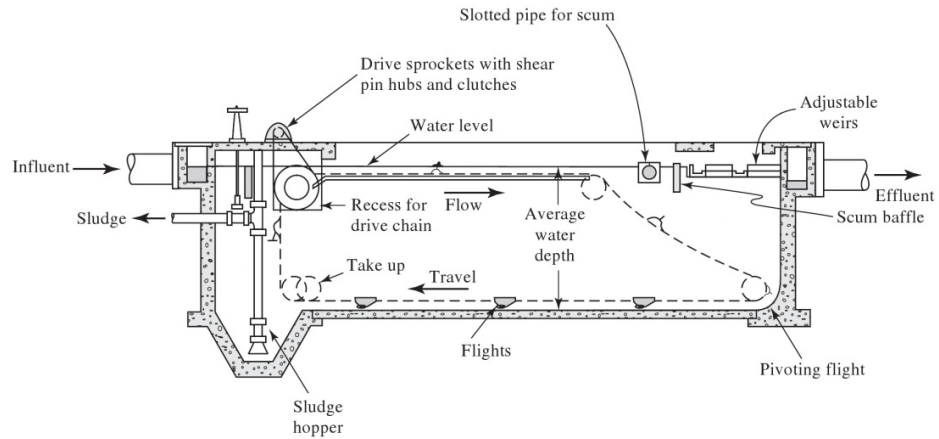
EQUIPMENT - Under this item, Evoqua Water Technologies, LLC (Evoqua) proposes to furnish the following Envirex® equipment:

Eight (8) 4-shaft primary chain and scraper sludge collector mechanisms for installation in three (3) existing concrete basins. Each collector mechanism will fit inside a channel 18 ft wide x 225 ft long x 13 ft side wall depth.

Three (3) 3-shaft cross collector mechanisms for installation in the primary basins.

- Drive sprocket with overload device.
- Driven sprocket.
- Drive chain tightener.
- Shafting – only cross collectors.
- Sprockets.
- Set collars.
- Bearings.
- Drive chain.
- Collector chain.
- Flights with filler blocks.
- Wear shoes.
- Wear strips for return tracks, fastened to return track with convex washers and self-tapping screw.
- Wear strips for floor, secured to floor with vinyl anchor and screw.
- Associated attachment bolts and anchor bolts.

Exhibit A – Schematic Primary Clarifier Detail



Project Management & Delivery

ACTIVITY/DESCRIPTION	SUB-TOTAL	TOTAL
Contractor/Supplier Direct Cost		1,800,000
JEA O&M Support		10,000
Contingency	0.00	80,000
Cost & Scheduling	0.00	
Project Management	0.00	
General & Administrative	0.00	
Services During Construction	0.00	
Real Estate	-	
TOTAL PROJECT COST		1,890,000

Risks

Failure of the Chain or Flights reduce removal of scum and inert particulate matter that will overload the downstream treatment process at Buckman WRF potentially causing increased wear and failure of equipment and exceedances of the permit.

Project Cost Estimate and Expenditure Forecast

Please provide cost estimates for each cost category in the table below. For your initial request, please only fill in the project request column. As the project progresses, please update the table to reflect your most current estimates in the column that corresponds with the project's current phase.

Project Cost Estimate Breakdown							
Cost Category	Project Request	10% Design	30% Design	60% Design	90% Design	100% Design	Construction
Project Management							
JEA Labor/Materials							\$10,000
Material							\$556,240
Labor and Equipment							\$1,243,760
Contingency							\$80,000
Total							\$1,890,000

Project Implementation Schedule

Please provide start dates for each project milestone in the table. For your initial request, please only fill in the project request column. As the project progresses, please update the table to reflect the most current schedule in the column that corresponds with the project's current phase.

For your initial request please provide a high-level summary of your schedule assumptions here. Please update this summary as the project progresses, indicating any accelerations or slippages in schedule (and why).

Milestone	Project Request	10% Design	30% Design	60% Design	90% Design	100% Design	Construction
Project Start	3/3/2025						
Material Order	4/21/2025						
Material on Site	9/16/2025						
Construction Start	11/3/2025						
Final Completion	3/27/2026						



**BUCKMAN WWTP
JACKSONVILLE, FL**

C&S PARTS REPLACEMENT

Proposal No: 00698806– 3/30/2025

Questions related to this Proposal should be directed to Evoqua's area sales representative:

SALES REPRESENTATIVE

Greg Chomic
Heyward Florida Inc.
415 Country Club Drive
Winter Park, FL 32789
Phone: (407) 948-0332
Email: gchomic@heywardfl.com





To: City of Jacksonville, FL

1. SUMMARY

Evoqua Water Technologies LLC (Evoqua) proposes to furnish the equipment specified in this Proposal in accordance to the scope of supply described in this proposal and subject to the Clarifications/Exceptions and Standard Terms of Sale stated herein.

The information in this proposal is confidential and/or proprietary and has been prepared solely for the recipient's use in considering the purchase of the equipment and/or services described herein. Transmission of all or any part of this information to others, or use by the recipient, for other purposes is expressly prohibited without Evoqua's prior written consent.

ITEM & DESCRIPTION	PRICE
CHAIN & FLIGHT CLARIFIER EQUIPMENT	\$713,298
DEMOLITION AND INSTALLATION	\$958,898
CLEANING OF TANKS	\$110,964
TOTAL	\$1,783,160

Evoqua's price includes only the specific items detailed in this proposal. Items not specifically identified herein are to be furnished by others. Please refer to the excluded items in Section 4 of this proposal for a list of items to be furnished by others.

A. OPTIONS: The above items noted as Extra Cost Option will only be accepted only when included with the basic equipment order. *none*

B. FREIGHT: Pricing is FOB shipping point with standard freight allowed to the job site. Our price does include all costs for unloading, transporting on the site, phased shipments and storage. JEA shall supply a suitable lay-down area for one (1) basin of equipment at a time in which Evoqua will be responsible for orderly upkeep.

C. PROPOSAL VALIDITY: This proposal is valid for a period of sixty (60) days unless extended in writing by Evoqua. Due to current raw material price fluctuation, Evoqua reserves the right to re-quote the equipment proposed herein after that time.

The prices quoted herein are based on the current tariff rates, duties, government charges, and trade regulations as of the date of this quote. If any new tariffs, duties, taxes, or similar charges are imposed, or any existing tariffs, duties, or charges are increased or modified by any government or regulatory authority (collectively, "Tariff Changes"), and such Tariff Changes result in an increase in the cost of goods, Evoqua reserves the right to adjust the pricing of the affected goods to reflect the increased costs. Evoqua is not obligated to deliver the goods and/or services until an agreement on the new price has been reached.



Due to volatility in material costs, prices quoted in this proposal will be adjusted to reflect changes in the Producer Price Index (PPI) for Rubber and Plastics Products published by the U.S. Department of Labor, Bureau of Labor Statistics. The most recent *preliminary* published PPI is 254.355 (P) for January 2025. If the PPI exceeds 259.546 at the time the Equipment is released for manufacture, then the price will be increased by the same percentage as the PPI exceeds 259.546.

Further Evoqua's price does not account for increased costs, delays and inefficiencies associated with current regulations and guidelines concerning COVID-19. Should these, or any additional, restrictions be implemented by any governing body, the CDC, or the customer or user of the Equipment to address COVID-19, Evoqua reserves the right to request a change order to the extent its costs or time for performance are increased by additional restrictions.

D. SERVICE MANUALS: This is replacement parts for your existing basins. No new O&M Manual will be provided. Feel free to contact Evoqua if you would like a copy of your original O&M, and we can send it via PDF.

E. PAYMENT AND PRICE TERMS: The terms of payment are net 30 in accordance with the following milestones:

- \$178,316 on order;
- \$20,092 upon issuance of Payment Bond and Performance Bond;
- \$551,036 upon shipment of equipment;
- \$344,572 on installation of equipment – tanks 1 and 2;
- \$344,572 on installation of equipment – tanks 3 through 5;
- \$344,572 on installation of equipment – tanks 6 through 8;

F. CANCELLATION POLICY: If Evoqua is issued an order and the Buyer cancels or suspends its order for any reason other than Evoqua's breach, the Buyer shall promptly pay Evoqua for work performed prior to cancellation or suspension and any other costs incurred by Evoqua as a result of such cancellation or suspension. At a minimum, cancellation after executed contract will result in a cancellation fee of 10% of the total order value.

Evoqua's prices are exclusive of any taxes. If this project is not subject to sales or use tax, please issue a Tax-Exempt Certificate with any ensuing purchase order (P.O.). With no exemption or if this project is subject to sales or use tax, the Purchaser will be invoiced for taxes at the then-current rate of sales, use or other tax for the jobsite location.

2. DRAWING AND SHIPPING INFORMATION

Evoqua will furnish and install equipment per the following project schedule:

- Shipment of Equipment: Within twenty-two (22) to twenty-four (24) weeks from the date of final agreement by both parties.
- Installation: Within eighteen (18) to twenty (20) weeks after equipment delivery.
 - Installation schedule allows seven (7) days between hydraulically separated basins for the owner to refill and drain the next tank. Any deviation from this schedule, will need to be mutually agreed upon between Evoqua and JEA.



Evoqua has provided typical standard times and shipment dates. Actual times will be provided upon receipt of a Purchase Order based upon current backlog.

3. EQUIPMENT SCOPE

The following equipment and services are included in Evoqua's scope of work:

EQUIPMENT

Under this item, Evoqua Water Technologies, LLC (Evoqua) proposes to furnish the following Envirex® equipment:

Eight (8) 4-shaft primary chain and scraper sludge collector mechanisms for installation in three (3) existing concrete basins. Each collector mechanism will fit inside a channel 18 ft wide x 225 ft long x 13 ft side wall depth.

Three (3) 3-shaft cross collector mechanisms for installation in the primary basins.

EQUIPMENT WILL CONSIST OF THE FOLLOWING: (each Collector)

- Drive sprocket with overload device.
- Driven sprocket.
- Drive chain tightener.
- Shafting – only cross collectors.
- Sprockets.
- Set collars.
- Bearings.
- Drive chain.
- Collector chain.
- Flights with filler blocks.
- Wear shoes.
- Wear strips for return tracks, fastened to return track with convex washers and self-tapping screw.
- Wear strips for floor, secured to floor with vinyl anchor and screw.
- Associated attachment bolts and anchor bolts.

ELECTRICAL CONTROLS

Electrical controls are not included.

SPARE PARTS

Spare parts are not included in our price.

CORROSION PROTECTION

All ferrous metals, except as noted below, will be shop primed as noted under Section 7 of this quotation.



All steel shafting, including head shaft, Idler shafts and exposed machined surfaces will be solvent wiped, followed by one (1) coat of Evoqua standard shop preservative.

Fiberglass, plastic, aluminum, stainless steel and galvanized surfaces will not be painted.

SHIPPING INFORMATION FOR SLUDGE COLLECTORS

- The equipment will be shipped as follows:
- Drive sprocket and overload device– Boxed and/or palletized.
- Chain section lengths - Boxed and/or palletized.
- Flights - Grouped and banded together.
- Bearings, sprockets, wear shoes, and chain tightener - Boxed.
- Shafting and wear strips - Banded in bundles.
- Anchors and assembly bolts - Bagged or boxed.

DEMOLITION AND INSTALLATION

Scope of work for the installation crew includes the replacement of eight (8) C&S longitudinal collector mechanisms and three (3) cross collector mechanisms. The replacement will take place over three (3) separate trips. One trip will be to install the equipment for tanks 1 and 2 and the cross collector between. Another trip will be to install the equipment for tanks 3 through 5 and the cross collector between. The last trip will be to install the equipment for tanks 6 through 8 and the cross collector between.

- Remove all internals including wear strips. Shafts to remain in place.
- Remove all cross collectors including shafts, bearings and sprockets.
- Evoqua is responsible for scrap disposal.
- Assemble flights.
- Install new wear strips.
- Install new bearings and sprockets on horizontal shafts.
- Install chains and flights.
- Install new drive chains, sprockets and tension idlers for scum removal.
- Install new primary drive chains.
- Install cross collector shafts, bearings and sprockets.
- Install cross collector chains and flights.
- Install cross collector drive chains.
- Personal gas monitors will be required.
- Evoqua will be offsite for one (1) week between tank rehabs for filling and draining.
- Evoqua is responsible for providing dumpsters for disposal of existing equipment.
- Evoqua is not responsible for any concrete work.
- Evoqua is not responsible for any electrical work.
- Evoqua is not responsible for dewatering of basins.
- Evoqua will determine work schedules (seven (7) days a week, ten (10) hours a day).

Evoqua's price is based on the following surface protection, unless stated otherwise in this proposal:

- A. Submerged and non-submerged castings, steel plates and shapes: surfaces will be prepared by blast cleaning, then followed by one (1) shop coat of Tnemec Series N140F (color 1211 red), 4.0 to 6.0 mils DFT.



- B. Shafting and exposed machined surfaces: solvent wiping, followed by one (1) coat of Evoqua's standard shop preservative.
- C. Wood, nonferrous materials, stainless steel, and galvanized surfaces: unpainted.
- D. Drive units and controls: manufacturer's standard.

Prices are based on paints and surface preparations as outlined in this proposal. In the event an alternate paint system is selected, purchaser's order must advise of its selection. Evoqua will, at its sole discretion, either adjust its price as necessary to comply or ship the material unpainted if compliance is not possible due to price considerations, application problems or environmental controls.

Evoqua does not guarantee primer's compatibility with purchaser's coating system unless approved by the coating system manufacturer. Primers will only protect for a minimal amount of time, usually thirty (30) days. Specific information should be obtained from coating system manufacturer.

4. EXCLUDED ITEMS

The price from Evoqua includes only those items listed in this Proposal. The items listed below are excluded:

- Drives.
- Shafting for longitudinal collectors.
- Brackets and return rails.
- Seismic calculations.
- Verification of the condition of the tanks to receive equipment.
- Electrical, hydraulic, or pneumatic controls.
- Wiring of motors or controls, control panels, or panel supports.
- Junction boxes, motor disconnect switches, MCC, control panels, or panel supports.
- Piping, valves, gates, drains, weirs, baffles.
- Wall or floor sleeves.
- Floor grating, stairways, platforms, handrailing.
- Detail shop fabrication drawings.
- Supervisory services; laboratory or shop testing.
- Underwriters Laboratory inspection of electrical controls.
- Special written process performance or extended mechanical warranties.
- Any components/offers left out, if applicable.

5. CLARIFICATIONS/EXCEPTIONS

The equipment specified herein shall conform to the specification sections referenced in Section 1 of Evoqua's Proposal to the extent they are technically applicable to Evoqua's scope of supply as described in this Proposal and subject to the following clarifications:

Article, Section	Clarifications/Proposed Modifications
	JEA is responsible for draining each basin prior to the arrival of Evoqua's construction personnel. Evoqua is responsible for washing down the tanks and cleaning in a reasonable manner suitable for human entry. JEA is responsible for providing



Evoqua access to dispose any residual solids on the JEA Buckman facility. For example, Evoqua will not be hauling any excess solids off-site for land application. Ideally this shall be washed down into the sump of the cross collector.

Lock Out Tag Out: JEA shall be the primary lock, and Evoqua shall be the secondary lock. Both parties shall work together to ensure compliance with site safety.

While Evoqua has extremely robust safety practices and standards, as this is JEA property, JEA's policies shall prevail.

Evoqua's standard terms and conditions, including without limitation Evoqua's warranty obligations in Article 7 govern the purchase and sale of equipment, products, and related services, referred to in Evoqua's proposal. Evoqua's offer or acceptance is expressly conditioned on Buyer's assent to these terms. Evoqua rejects all additional or different terms in any of Buyer's forms or documents. In addition, Evoqua takes exception to all performance commitments, guarantees or obligations, unless provided for in Evoqua's proposal.

Evoqua makes no express or implied performance warranty by offering equipment under this specification, unless specifically included in Evoqua's proposal.

6. ADDITIONAL FIELD SERVICES

Should the Purchaser feel that additional services will be required, they can be purchased from Evoqua. Additional services may be purchased at the *per diem* rate stated below.

Evoqua's price does not include service of a factory field service technician during the time of installation of the equipment items.

In the event Purchaser wishes to videotape the Evoqua field service personnel during start-up and/or field service, Purchaser must execute Evoqua's standard "Videotape Agreement" in which the Purchaser shall expressly waive any claim against Evoqua, for injury or damage caused by inaccuracies or errors in such videotape(s), and acknowledge that such videotaping is done by Purchaser at its sole risk.

TERMS GOVERNING FIELD SERVICES: Services of a factory field service technician to inspect installation and/or first operation of the products specified in the proposal can be furnished by Evoqua at the following rates:

- A.** Supervision or consultation of a process service technician within the continental limits of the United States: \$1,600 per eight (8) hour day, Monday through Friday inclusive.
- B.** Supervision or inspection of a field service technician within the continental limits of the United States: \$1,400 per eight (8) hour day, Monday through Friday inclusive. Overtime Monday through Friday and Saturday work is charged at time and one-half. Time worked on Sunday will be charged double time; time worked on U.S. Holidays will be charged triple time.
- C.** Traveling, living and incidental expenses at cost, including shipping charges on tools and other equipment which the factory field service technician has shipped to the construction site.
- D.** Travel time will be charged to and from Purchaser's construction site, and weekend or holiday travel request or required by Purchaser will be charged at the overtime rates.



- E. Rescheduling or cancellation of a field service trip once booked will incur the greater of either a \$1,700 cancellation or re-scheduling charge, or actual costs.

Rates shown above apply only to additional services performed within twelve (12) months from the date of Proposal. Additional services performed after twelve (12) months from the date of Proposal shall be subject to Evoqua's current rates at the time such service is provided. Except for the direct acts or omissions of the factory field service technician, the responsibility for the installation and/or first operation shall be Purchaser's. Evoqua will assume responsibility for workmen's compensation coverage of Evoqua employees only and will provide umbrella liability coverage during installation. All other insurance coverage and necessary materials to accomplish installation shall be provided by Purchaser.



PROPOSAL SUBMITTED BY EVOQUA WATER TECHNOLOGIES LLC

Signature below indicates acceptance of this proposal including the Standard Terms of Sale attached hereto and will act as the purchase order document between Evoqua Water Technologies LLC, the Seller, and the Buyer. The Standard terms of Sale shall form the complete and only set of terms for this order.

Accepted by Buyer:

Acknowledged by Seller:

Company

Evoqua Water Technologies LLC

Company

Printed Name

Printed Name

Title

Title

Signature

Signature

Date

Date

Billing Address

Evoqua Water Technologies LLC
N19 W23993 Ridgeview Pkwy, Suite 200
Waukesha, WI 53188

Address

Shipping Address

Please submit the signed proposal to TWEL@xylem.com along with the Billing Address, Shipping Address, Tax-Exempt Certificate, and a Copy of Payment Bond. It is clarified that the purchase order price does not include sales tax and that sales tax is to be added to the sale price unless the Seller receives a Tax-Exempt Certificate or Resale Certificate.

EVOQUA WATER TECHNOLOGIES LLC

STANDARD TERMS OF SALE

- 1. Applicable Terms.** These terms govern the purchase and sale of equipment, products, related services, leased products, and media goods if any (collectively herein "Work"), referred to in Seller's proposal ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is expressly conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.
- 2. Payment.** Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation specifically provides otherwise, freight, storage, insurance and all taxes, levies, duties, tariffs, permits or license fees or other governmental charges relating to the Work or any incremental increases thereto shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. If Buyer claims a tax or other exemption or direct payment permit, it shall provide Seller with a valid exemption certificate or permit and indemnify, defend and hold Seller harmless from any taxes, costs and penalties arising out of same. All payments are due within thirty (30) days after receipt of invoice. Buyer shall pay interest on all late payments not received by the due date. The Buyer shall be charged the lesser rate of 1 ½% interest per month or the maximum interest rate permissible under applicable law, calculated daily and compounded monthly. Buyer shall also reimburse Seller for all costs incurred in collecting amounts due but unpaid, including without limitation, collections fees and attorneys' fees. All orders are subject to credit approval by Seller. Back charges without Seller's prior written approval shall not be accepted.
- 3. Delivery.** Delivery of the Work shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, delivery terms are FOB Shipping Point, or for international orders, ExWorks Seller's factory (INCO™ Terms 2020). Title to all Work shall pass upon receipt of payment for the Work under the respective invoice. Unless otherwise agreed to in writing by Seller, shipping dates are approximate only and Seller shall not be liable for any loss or expense (consequential or otherwise) incurred by Buyer or Buyer's customer if Seller fails to meet the specified delivery schedule.
- 4. Ownership of Materials and Licenses.** All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data, software, and other information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any written material solely for Buyer's use of the Work. Buyer shall not disclose any such material to third parties without Seller's prior written consent. Buyer grants Seller a non-exclusive, non-transferable license to use Buyer's name and logo for marketing purposes, including but not limited to, press releases, marketing and promotional materials, and web site content.
- 5. Changes.** Neither party shall implement any changes in the scope of Work described in Seller's Documentation without a mutually agreed upon change order. Any change to the scope of the Work, delivery schedule for the Work, any Force Majeure Event, any law, rule, regulation, order, code, standard or requirement which requires any change hereunder shall entitle Seller to an equitable adjustment in the price and time of performance. If Buyer requests a proposal for a change in the Work from Seller and subsequently elects not to proceed with the change, a change order shall be issued to reimburse Seller for reasonable costs incurred for estimating services, design services, and services involved in the preparation of proposed changes.
- 6. Force Majeure Event.** Neither Buyer nor Seller shall have any liability for any breach or delay (except for breach of payment obligations) caused by a Force Majeure Event. If a Force Majeure Event exceeds six (6) months in duration, the Seller shall have the right to terminate the Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment, including overhead and profit, for work performed prior to the date of termination. "Force Majeure Event" shall mean events or circumstances that are beyond the affected party's control and could not reasonably have been easily avoided or overcome by the affected party and are not substantially attributable to the other party. Force Majeure Event may include, but is not limited to, the following circumstances or events: war, act of foreign enemies, terrorism, riot, strike, or lockout by persons other than by Seller or its sub-suppliers, natural catastrophes, (with respect to on-site work) unusual weather conditions, epidemic, pandemic, communicable disease outbreak, quarantines, national emergency, or state or local order.
- 7. Warranty.** Subject to the following sentence, Seller warrants to Buyer that the (i) Work shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship and (ii) the Services shall be performed in a timely and workmanlike manner. Determination of suitability of treated water for any use by Buyer shall be the sole and exclusive responsibility of Buyer, and Seller disclaims any warranty regarding such suitability. The foregoing warranty shall not apply to any Work that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under

warranty, tort or any other legal theory. The Seller warrants the Work, or any components thereof, through the earlier of (i) eighteen (18) months from delivery of the Work, or (ii) twelve (12) months from Buyer's initial operation of the Work, or in the case of services performed as part of the Work, ninety (90) days from the performance of the services (the "Warranty Period"). If Buyer gives Seller prompt written notice of breach of this warranty within the Warranty Period, Seller shall, at its sole option and as Buyer's sole and exclusive remedy, repair or replace the subject parts, re-perform the Service or refund the purchase price. Unless otherwise agreed to in writing by Seller, (i) Buyer shall be responsible for any labor required to gain access to the Work so that Seller can assess the available remedies and (ii) Buyer shall be responsible for all costs of installation of repaired or replaced Work. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (i) operating and maintaining the Work in accordance with Seller's instructions, (ii) not making any unauthorized repairs or alterations, and (iii) not being in default of any payment obligation to Seller. Seller's warranty does not cover (i) damage caused by chemical action or abrasive material, improper thermal or electrical capacity, misuse or improper installation (unless installed by Seller) and (ii) media goods (such as, but not limited to, resin, membranes, or granular activated carbon media) once media goods are installed. THE WARRANTIES SET FORTH IN THIS SECTION ARE THE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO THE LIMITATION OF LIABILITY PROVISION BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

8. Indemnity. Seller shall indemnify, defend, and hold Buyer harmless from any claim, cause of action, or liability incurred by Buyer as a result of third-party claims for personal injury, death, or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (i) promptly notifying Seller of any claim, and (ii) providing reasonable cooperation in the defense of any claim. Buyer shall indemnify, defend, and hold harmless Seller from any claim, cause of action, or liability incurred by Seller as a result of third-party claims for personal injury, death, or damage to tangible property, to the extent caused by Buyer's negligence. Buyer shall have the sole authority to direct the defense of and settle any such indemnified claim. Buyer's indemnification is conditioned on Seller (i) promptly notifying Buyer of any claim, and (ii) providing reasonable cooperation in the defense of any claim.

9. Assignment. Neither party may assign this Agreement, in whole or in part, nor any rights or obligations hereunder without the prior written consent of the other party; provided, however, the Seller may assign its rights and obligations under these terms to its affiliates or in connection with the sale or transfer of the Seller's business, and Seller may grant a security interest in the Agreement and/or assign proceeds of the agreement without Buyer's consent.

10. Termination. Either party may, in addition to any other available remedy, terminate this agreement for a material breach upon issuance of a written notice of the breach and expiration of a thirty (30) day cure period. In the event of (i) a voluntary or involuntary petition in bankruptcy, (ii) an assignment for the benefit of a creditor, or (iii) a receivership, liquidation, or dissolution, Seller may terminate the agreement immediately, in addition to seeking any other available remedy. If Buyer suspends an order without a change order for ninety (90) or more days, Seller may thereafter terminate this Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed, whether delivered or undelivered, prior to the date of termination.

11. Dispute Resolution. In the event of any claim, dispute, or controversy arising out of or relating in any way to this Agreement (collectively, a "Claim"), Seller and Buyer shall first negotiate in good faith in an effort to resolve the Claim. If, despite good faith efforts, the parties are unable to resolve a Claim through negotiations, the parties shall mediate the Claim in accordance with the commercial mediation procedures of the American Arbitration Association ("AAA"), with such mediation to take place in Pittsburgh, Pennsylvania. If the parties are unable to resolve the Claim through such mediation, then the Claim shall be resolved through final and binding arbitration pursuant to the commercial arbitration procedures of the AAA, with such arbitration to take place in Pittsburgh, Pennsylvania before one arbitrator, who shall have authority to rule on jurisdiction over the Claim. Seller and Buyer agree to the exclusive jurisdiction of the federal and state courts situated in Allegheny County, Pennsylvania for purposes of entering judgment upon the arbitrator's award. The substantially prevailing party, as determined by the arbitrator, shall be entitled to recover all costs, expenses, and charges, including, without limitation, reasonable attorneys' fees and expert witness fees, incurred in connection with the Claim. In case of an Agreement under which Seller ships the Work outside of the United States, or under which Seller's and Buyer's places of business are in different countries, any Claim which is not resolved by the good faith negotiations and mediation required by this Section shall then be determined by arbitration administered by the International Center for Dispute Resolution in accordance with its International Arbitration Rules, with such arbitration taking place in Pittsburgh, Pennsylvania, USA, before one arbitrator, with English as the language of the arbitration. This Agreement and any Claim shall be governed by the laws of the Commonwealth of Pennsylvania, without giving effect to the choice of law principles thereof.

12. Export Compliance. All items, and technologies, software, and work products are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. Any diversion contrary to U.S. law is prohibited. Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal, and usage of the Work provided under this Agreement, including any export license requirements. Buyer agrees that such Work shall not at any time directly or indirectly be used, exported, sold, transferred, assigned, or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

13. Anti-Kickback Statute – Discounts. It is the intent of both Buyer and Seller to comply with the Anti-Kickback Statute (42 U.S.C. §1320a-7b(b)) and the Discount Safe Harbor and Warranties Safe Harbor regulations set forth in 42 C.F.R. 1001.952(h) and (g), respectively. Buyer's price may constitute a 'discount or other reduction in price' under the Anti-Kickback Statute. Seller shall provide Buyer with invoices that fully and accurately disclose the discounted price of all Products purchased under this Agreement to allow Buyer to comply with this Section and the Discount Safe Harbor regulations, including sufficient information to enable it to accurately report its actual cost for all purchases of Products. Buyer acknowledges that, if applicable, it will fully and accurately report all discounts or other price reductions, including warranty items, in the costs claimed or charges made under any Federal or State healthcare program and provide information upon request to third party reimbursement programs, including Medicare and Medicaid. Buyer will be solely responsible for determining whether any savings or discount or warranty item it receives must be reported or passed on to payors.

14. Federal Program Participation. Seller represents and warrants that neither it nor any of its current directors, officers, or key personnel: (i) are currently excluded, debarred or otherwise ineligible to participate in federal health care programs as defined in 42 U.S.C. §1320a-7b(f) (the "**Federal Healthcare Programs**"); (ii) have been convicted of a criminal offense related to the provision of healthcare items or services during the last five (5) years; or (iii) have been excluded, debarred or otherwise declared ineligible to participate during the last five (5) years in Federal Healthcare Programs. Seller will notify Buyer of any change in the status of the representations and warranties set forth above.

15. LIMITATION OF LIABILITY. NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE WORK, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR ALL WARRANTY CLAIMS OR FOR ANY BREACH OR FAILURE TO PERFORM ANY OBLIGATION UNDER THE AGREEMENT, SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE WORK. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.

16. Miscellaneous. These terms, together with any related Contract Documents issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. To the extent the Agreement is considered a subcontract under Buyer's prime contract with an agency of the United States government, in case of Federal Acquisition Regulations (FARs) flow down terms, Seller will be in compliance with Section 44.403 of the FAR relating to commercial items and those additional clauses as specifically listed in 52.244-6, Subcontracts for Commercial Items (OCT 2014). If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. The Agreement shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions. Both Buyer and Seller reject the applicability of the United Nations Convention on Contracts for the international sales of goods to the relationship between the parties and to all transactions arising from said relationship.

Only in the event that the Work contemplated in this Order is related to the provision of medical devices, the following additional terms apply:

17. Medical Devices Act and Regulatory Disclaimer. Buyer acknowledges that it is familiar with the U.S. Safe Medical Devices Act of 1990 (the "Devices Act") and the reporting obligations imposed on device users thereunder. In this regard, Buyer agrees to notify Seller within ten (10) days of the occurrence of any event identified in the Devices Act imposing a reporting obligation on Buyer and/or Seller (except for events representing an imminent

hazard that require notification to the United States Food and Drug Administration (the "FDA") within seventy-two (72) hours (or such shorter time as required by law), in which case, such notice will be delivered to the FDA and Seller within said period). Buyer will maintain adequate tracking for the Products to enable Seller to meet the FDA requirements applicable to the tracking of medical devices. Although Seller has the required registrations, approvals, and licenses (e.g., U.S. 510(k) pre-market notifications) for all or substantially all of its systems, the purchase of parts and system components from Seller does not provide 510(k) compliance or compliance under any other law, rule or regulation for Buyer's system.

Only in the event that the Work contemplated in this Order is related to the provision of leased or rented equipment ("Leased Equipment"), the following additional terms apply:

18. **Rental Equipment / Services.** Any Leased Equipment provided by Seller shall at all times be the property of Seller with the exception of certain miscellaneous installation materials purchased by the Buyer, and no right or property interest is transferred to the Buyer, except the right to use any such Leased Equipment as provided herein. Buyer agrees that it shall not pledge, lend, or create a security interest in, part with possession of, or relocate the Leased Equipment. Buyer shall be responsible to maintain the Leased Equipment in good and efficient working order. At the end of the initial term specified in the order, the terms shall automatically renew for the identical period unless canceled in writing by Buyer or Seller not sooner than three (3) months nor later than one (1) month from termination of the initial order or any renewal terms. Upon any renewal, Seller shall have the right to issue notice of increased pricing which shall be effective for any renewed terms unless Buyer objects in writing within fifteen (15) days of issuance of said notice. If Buyer timely cancels service in writing prior to the end of the initial or any renewal term this shall not relieve Buyer of its obligations under the order for the monthly rental service charge which shall continue to be due and owing. Upon the expiration or termination of this Agreement, Buyer shall promptly make any Leased Equipment available to Seller for removal. Buyer hereby agrees that it shall grant Seller access to the Leased Equipment location and shall permit Seller to take possession of and remove the Leased Equipment without resort to legal process and hereby releases Seller from any claim or right of action for trespass or damages caused by reason of such entry and removal.

Evoqua Water Technologies - Standard Terms of Sale for Scientific or Technical Services, rev. 7.2022

EVOQUA WATER TECHNOLOGIES LLC

GENERAL TERMS AND CONDITIONS FOR ERECTION WORK

These terms are in addition to and subject to the Sellers terms of sale.

1. **Equipment location.** Equipment location and staking, including plant orientation, influent, and effluent location, is the responsibility of the Purchaser and/or his engineer.
2. **Equipment Elevation.** The elevation of equipment above or below grade must be determined by the purchaser and/or his engineer and entered upon the approved drawings. Purchaser is responsible for establishing benchmark at site for Seller's erection crew.
3. **Site Access/Erection.** Purchaser agrees to provide a clear level work area at least 35 feet wide around the periphery of the erection site. Prior to starting erection, any obstructions in the work area, such as excavations, overhead lines, fences, trees, shrubbery, etc., shall be removed by and at the expense of the purchaser. The purchaser shall keep the site properly drained and free from surface water during erection, and until the work has been completed and accepted. The site and site access shall be capable of supporting a crane up to and including 110-ton capacity and other erection equipment. Any fill or dewatering necessary to accomplish the above, or additional costs of oversized or special equipment required due to poor site conditions, will be the responsibility of the Purchaser. Site leveling, grading, etc., after erections, shall be the responsibility of the Purchaser. Seller shall be responsible for the cleanup and removal of trash, scrap materials, etc., left from Seller's erection work.
4. **Site Access.** Purchaser agrees to provide site access and site working area capable of supporting the delivery trucks (70,000-75,000 pounds gross weight). Purchaser agrees to maintain site access and working area, daily if required, to allow Seller's erection crew to perform work during all weather conditions. Should Seller have to stop work and return to the site when access and/or work area permits or experience delays due to the site and site access being unsuitable for work due to Purchaser's failure to prepare and/or maintain the above, the Purchaser agrees to compensate Seller for cost incurred and agrees Seller shall be indemnified and held harmless from all loss or damages resulting from delays of job progress, that are directly or indirectly a result of the Purchaser's responsibility.
5. **Labor Relations.** Seller's erection personnel are non-union and all work will be by non-union personnel. In case of interference in erection work due to labor problems by persons not employed by Seller, or the imposition of requirements concerning labor, working conditions, wage rates, etc., which were not clearly defined prior to Seller's acceptance of the erection job, Seller shall have the right to stop work without prejudice until such interference or condition is satisfactorily removed or resolved. If additional costs are incurred by Seller due to such conflict, the Purchaser hereby agrees to reimburse Seller for the additional costs incurred.

Evoqua is an Equal Opportunity Employer and shall comply with government regulations pertaining to fair and equal employment.

Work hours by Seller at the site shall be as determined by Seller. The Purchaser shall not define working hours or number of work days per week, nor prohibit Seller from working evenings, weekends, holidays, etc., when deemed to be advisable by Seller.

6. **Insurance.** During the period of erection of the equipment contemplated herein, Seller will maintain the following insurance:
 - (b) Workmen's Compensation and Employer's Liability.
 - (c) Occupational Disease.
 - (d) Contractual Liability.
 - (e) Public Liability Insurance, Personal Injury and Property Damage.
 - (f) Automobile Liability, Personal Injury and Property Damage.

Any insurance required by Purchaser in addition to the above mentioned coverage shall not be considered to be included in the purchase price as set forth herein and shall be charged to the Purchaser.

7. **Unloading of Equipment.** Seller is responsible for unloading of equipment which is to be erected by Seller. Purchaser is responsible for unloading any equipment or accessories shipped to Purchaser for his installation. (Such as base channels to be embedded in concrete foundation by Purchaser, blowers or other accessories to be installed by Purchaser).

8. **Purchaser Acceptance of Erected Equipment.** When erection of the equipment nears completion Seller shall give Purchaser seventy-two hours verbal notice that the equipment shall be ready for inspection and acceptance. Purchaser agrees to provide, on seventy-two hours' notice, an authorized agent to meet at the site with Seller's erection personnel, to inspect the erected equipment, and accept same for/or on behalf of the Purchaser. Any backordered items not installed at that time shall be listed on the acceptance agreement with written understanding that Seller is responsible for installing the subject equipment. Backordered items shall be received by the Purchaser at the "Backordered Address" previously provided and stored until Seller's installation is scheduled.

9. **Preparation for Start-up of Erected Equipment.** Upon completion of erection Seller shall inform the Purchaser that the erected equipment is ready to be placed in service. The Purchaser shall make all preparations for which he is responsible, such as influent and effluent connections, installation of the required electrical power supply and circuitry, filling tanks with clean water for testing and start-up, etc. If any deficiencies in Seller's materials or workmanship are discovered by the Purchaser while performing this work, the Purchaser shall immediately notify Seller so that corrective action can be taken. Seller is responsible for providing start-up supervision as defined in this Quotation. For scheduling purposes, ten days notice of desired start-up date is required.

10. **Security and Protection of Equipment.** Purchaser is responsible for security of equipment stored on his site after delivery and prior to arrival of Seller's crews to begin erection; and for any backordered material delivered to Purchaser after departure of Seller's erection crews. Seller shall not be responsible for deterioration, theft, vandalism or damage to equipment which is stored on site or left inoperative after installation due to delays in start-up. Purchaser agrees to be responsible for security and protection of such equipment.

11. **Back-charges.** Seller will accept no back-charges, for any reason, which have not been approved in writing by an authorized manager of the company prior to any work being performed. Purchaser agrees to contact Seller and receive written authorization prior to incurring any costs related to back-charges.

12. **Licenses and Permits.** Unless specifically stated in Seller's Quotation, Seller is not responsible for licenses, permits or fees required to perform the work defined in this Quotation.

13. **Delays.** Seller shall not be liable for delays due to: (1) causes beyond its reasonable control; (2) acts of God, acts of customer, prerequisite work by others, acts of civil or military authority, government priorities, fires, strikes or other labor disturbances, floods, epidemics, war, riot, delays in transportation; or (3) inability to obtain or delay in obtaining, due to causes beyond its reasonable control, suitable labor, materials, or facilities.

In the event of any such delay; the time of performance shall be extended for a period equal to the time lost by reason of the delay.

In the event Seller is delayed by acts of the customer or by prerequisite work by other contractors or suppliers of the customer, Seller shall be entitled to an equitable price adjustment in addition to extension of the time of performance.

14. **Subcontract.** Seller reserves the right to subcontract any of the work to one or more subcontractors.

JACKSONVILLE ELECTRIC AUTHORITY (JEA) JACKSONVILLE, FL

EVOQUA WATER TECHNOLOGIES LLC CHAIN AND SCRAPER SLUDGE COLLECTORS COMPONENT REPLACEMENT PROPOSAL

DRAWING NO	REV	DESCRIPTION
V13-2689-100	-	GENERAL ARRANGEMENT - COVER SHEET & DWG LIST
V13-2689-101	-	GENERAL ARRANGEMENT - SPECIFICATIONS
V13-2689-102	-	GENERAL ARRANGEMENT - PLAN VIEW
V13-2689-103 SHT 1	-	GENERAL ARRANGEMENT - ELEVATION VIEWS-LONGITUDINAL(STUB WALL)
V13-2689-103 SHT 2	-	GENERAL ARRANGEMENT - ELEVATION VIEWS-LONGITUDINAL (SOLID WALL)
V13-2689-104	-	GENERAL ARRANGEMENT - SHAFT SECTIONS & DETAILS- LONGITUDINAL
V13-2689-105	-	GENERAL ARRANGEMENT - INSTALLATION DETAILS-LONGITUDINAL
V13-2689-106 SHT 1	-	GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION (TANKS #1-2 + CROSS) DETAILS
V13-2689-106 SHT 2	-	GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION (TANKS #3-5 + CROSS) DETAILS
V13-2689-106 SHT 3	-	GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION (TANKS #6-8 + CROSS) DETAILS
V13-2689-107	-	GENERAL ARRANGEMENT - ELEVATION VIEW -CROSS COLLECTOR (TANKS #1-2)
V13-2689-108	-	GENERAL ARRANGEMENT - SHAFT SECTIONS - CROSS COLLECTOR (TANKS #1-2 + #6-8)
V13-2689-109	-	GENERAL ARRANGEMENT - ELEVATION VIEW - CROSS COLLECTOR (TANKS #3-5)
V13-2689-110	-	GENERAL ARRANGEMENT - SHAFT SECTIONS - CROSS COLLECTOR (TANKS #3-5)
V13-2689-111	-	GENERAL ARRANGEMENT - ELEVATION VIEW - CROSS COLLECTOR (TANKS #6-8)


GENERAL ARRANGEMENT DRAWING NOTES:

- ORIGINAL SUBMITTAL DRAWINGS WILL INCLUDE A STAMP DESIGNATING DRAWINGS AS "FOR APPROVAL ONLY". UPON APPROVAL, DRAWINGS WILL BE REISSUED AS REVISION 0, "ISSUED FOR CONSTRUCTION".
- ITEM BALLOONS LEFT BLANK ON SUBMITTAL DRAWINGS WILL BE FILLED IN WITH THE APPROPRIATE NUMBERS UPON APPROVAL AND COMPLETION OF THE BILL OF MATERIALS FOR THE PROJECT.
- SHIPPING ITEMS ARE REPRESENTED BY ITEM BALLOONS X31, WHERE X REPRESENTS THE SHIPMENT PHASE/CONSTRUCTION PHASE.
 X = 1 REFERS TO FIRST SHIPMENT PHASE = TANKS #1-2 + CROSS
 X = 2 REFERS TO SECOND SHIPMENT PHASE = TANKS #3-5 + CROSS
 X = 3 REFERS TO THIRD SHIPMENT PHASE = TANKS #6-8 + CROSS

 EXAMPLE = SHIPPING ITEM NUMBER ON THE SALES ORDER BILL OF LADING 131 = FIRST SHIPMENT PHASE, ITEM 31, WHICH WILL BE REPRESENTED ON THE GENERAL ARRANGEMENT DRAWINGS AS X31.
- THREE DIGIT ITEM NUMBERS (400 & ABOVE) CORRESPOND WITH NUMBERED ITEMS ON THE FIELD HARDWARE DRAWINGS.

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

FOR APPROVAL ONLY
NOT TO BE USED FOR
CONSTRUCTION
PURPOSES

COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED, AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.	DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - COVER SHEET & DWG LIST C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS FOR PRIMARY TANKS #1 THRU #8 (LONG & CROSS)
	CHECKER HEINEN	DATE 5/30/14	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL
	ENGINEER PIMLOTT	DATE 5/30/14	 WATER TECHNOLOGIES WAUKESHA, WI 262-547-0141
	FILE: NEW	SCALE: NA	PROJECT SO# 421460 CODE 4001 DRAWING V13-2689-100 SHEET 1 OF 1 REV --

CHAIN AND SLUDGE SCRAPER COLLECTORS

COLLECTOR CHAIN –NCS720S – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE FLIGHT CONVEYANCE CHAIN WILL BE NCS720S NON–METALLIC TYPE, HAVING 6” PITCH LINKS MANUFACTURED OF UNFILLED ACETAL RESIN. THE CHAIN WILL BE CONNECTED WITH REINFORCED NYLON RESIN PINS DESIGNED TO PROVIDE FULL DEAD LOAD BEARING CAPACITY THROUGHOUT THE FULL LENGTH OF THE LINK SIDE BAR HUBS. THE PINS WILL HAVE A T–HEAD TO ENGAGE RETAINER LUGS MOLDED INTEGRALLY WITH ONE LINK SIDE BAR HUB AS A POSITIVE MEANS TO PREVENT PIN ROTATION. THE PINS WILL BE LOCKED IN POSITION BY A RETAINER RING MOLDED INTEGRALLY WITH THE OPPOSITE SIDE BAR HUB AND PROVIDE A POSITIVE LOCKING CONTACT AROUND THE FULL PERIPHERY OF THE PIN. THE PINS WILL BE PRESSED INTO THE LINK SIDE BAR HUBS TO EXCLUDE ABRASIVES USING A TOOL SUPPLIED BY SIEMENS. THE CHAIN WILL HAVE A MINIMUM PUBLISHED WORKING LOAD OF 2,600 LBS AND A MINIMUM ULTIMATE TENSILE STRENGTH OF 6,300 LBS. THE ATTACHMENT LINKS WILL BE THE FULL DEPTH OF THE FLIGHTS AND OF SIMILAR CONSTRUCTION TO THE PLAIN CHAIN LINKS. THE ATTACHMENTS WILL BE PROVIDED WITH FOUR (4) 3/8” DIAMETER TYPE 316 STAINLESS STEEL HEX HEAD ATTACHMENT BOLTS.

EACH LONGITUDINAL FLIGHT CONVEYANCE CHAIN STRAND FOR A LONGITUDINAL COLLECTORS IS CALCULATED TO BE APPROXIMATELY 445’–0” LONG, WITH FLIGHT ATTACHMENTS SPACED EVERY 10’–0” TO BE MADE UP OF (39) 10’–0” LONG AND (5) 11’–0” LONG SHIPPED SECTIONS.

THE SPECIFIED CROSS COLLECTOR FLIGHT CONVEYANCE CHAIN STRAND IS CALCULATED TO BE APPROXIMATELY 112’–0” LONG, WITH FLIGHT ATTACHMENTS SPACED EVERY 5’–0”, TO BE MADE UP OF (23) 5’–0” LONG SHIPPED SECTIONS. INSTALLING CONTRACTOR TO REMOVE (1) LINK FROM (6) 5’–0” LG CHAIN SECTIONS TO REDUCE THE OVERALL LENGTH TO 112’–0”

FLIGHTS–SIGMA PLUS TYPE – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #5 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE COLLECTOR FLIGHTS WILL BE 3” X 8” NOMINAL, ESSENTIALLY RECTANGULAR IN CROSS SECTION. THE MEMBER WILL HAVE A MOMENT OF INERTIA (I, IN⁴) OF NOT LESS THAN 2.01 IN 10^{–4} ABOUT ITS MINOR AXIS (PARALLEL TO THE DIRECTION OF FLOW).

THE FLIGHTS WILL BE OF PULTRUDED ISOPHTHALIC COMPOSITE CONSTRUCTION WITH A MINIMUM FIBERGLASS CONTENT OF 50% BUT NO GREATER THAN 60% TO INSURE MEMBER STRENGTH AND INSURE TOTAL ENCAPSULATION OF THE GLASS FIBERS TO PREVENT WICKING. EXTENDERS IN THE RESIN ARE NOT USED.

MAXIMUM WATER ABSORPTION WILL BE NO GREATER THAN 0.6% IN ACCORDANCE WITH ASTM D–570. THE FLIGHT SECTION WILL INCLUDE A SCRAPER LIP ON THE LEADING EDGE OF THE FLIGHT TO OPTIMIZE CLEANING OF THE TANK FLOOR. POLYPROPYLENE FILLER BLOCKS WILL BE FURNISHED TO ALLOW THE FLIGHT TO BE SECURELY BOLTED TO THE CHAIN ATTACHMENT. THE BLOCKS WILL PROVIDE AN INTERFERENCE FIT WITH THE FLIGHT TO MAINTAIN PROPER POSITIONING DURING ASSEMBLY.

THE FLIGHT SPACING WILL BE APPROXIMATELY 10’–0” FOR THE LONGITUDINAL COLLECTORS, AND 5’–0” FOR THE CROSS COLLECTOR. THE FLIGHTS WILL BE ACCURATELY DRILLED AND NOTCHED AT THE FACTORY AND Banded TOGETHER FOR SHIPMENT. THE LONGITUDINAL FLIGHT WILL BE PROVIDED WITH DUAL HOLE PATTERN FOR THE RETURN WEAR SHOE, AS THE SOLID WALL VS. STUB WALL DICTATES A 3” DIFFERENCE IN THE RETURN WEAR SHOE LOCATION. ASSEMBLE THE RETURN WEAR SHOE IN THE CORRECT HOLE BASED ON THE TANK CONFIGURATION.

LENGTH OF PRIMARY LONGITUDINAL FLIGHT = 17’–11”
LENGTH OF PRIMARY CROSS FLIGHT = 5’–5”

WEARING SHOES – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #5 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

EACH FLIGHT WILL BE PROVIDED WITH 1/2” THICK WEARING SHOES TO RUN ON THE TANK FLOOR WEAR STRIPS AND ON THE LONGITUDINAL RETURN TRACK WEAR STRIPS. LONGITUDINAL COLLECTOR RETURN RUN WEAR SHOES WILL BE PROVIDED WITH LUGS, TO HELP GUIDE THE FLIGHT ON THE RETURN TRACKS. CROSS COLLECTOR RETURN RUN WEAR SHOES WILL BE UN–LUGGED.

THE SHOES WILL BE CAST OF UHMW–POLYETHYLENE. THE WEARING SHOES RUNNING ON THE FLOOR WEAR STRIPS WILL BE LOCATED CENTRAL TO THE CHAIN ATTACHMENT.

ALL WEARING SHOES WILL BE REVERSIBLE PROVIDING TWO (2) USABLE WEARING SURFACES.

COLLECTOR CHAIN SPROCKETS – 25T & 19T – (NEW)

25T HEADSHAFT SPROCKET = TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR ALL CROSS COLLECTOR SERVICING TANKS #1 THRU #8

19T CORNERSHAFT (STATIC SHAFT) SPROCKET = TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE SPROCKETS FOR THE SLUDGE COLLECTOR CARRYING CHAINS WILL BE MOLDED TOTALLY OF POLYURETHANE HAVING A WATER ABSORPTION RATE NOT TO EXCEED 1.3% AT SATURATION IN ACCORDANCE WITH ASTM D–570. THE SPROCKETS WILL BE OF SPLIT CONSTRUCTION AND HAVE A TOOTH PROFILE COMPATIBLE WITH NON–METALLIC CHAIN. THE SPROCKET HALVES WILL BE ASSEMBLED ON THE SHAFTING WITH TWO (2) TYPE 316 STAINLESS STEEL CLAMPING BANDS WHICH EXERT COMPRESSIVE FORCE AROUND THE FULL PERIPHERY OF THE HUB, THEREBY CLAMPING THE SPROCKET TO THE SHAFT.

THE CLAMPING BANDS WILL INCLUDE PROVISIONS TO RESTRICT THEIR LATERAL MOVEMENT ON THE HUB. WEDGE DOGS (OR CLAMPING BOLTS) OF TYPE 316 STAINLESS STEEL WILL BE LOCATED ALONG THE SPLIT LINE NEAR THE PERIPHERY AND SO DESIGNED TO DRAW THE SPROCKET HALVES TOGETHER IN DIAMETRICAL AND LATERAL ALIGNMENT.

THE HEADSHAFT SPROCKETS WILL NOT BE LESS THAN 24.126” PITCH DIAMETER AND HAVE 25 TEETH. THE CORNERSHAFT SPROCKETS WILL NOT BE LESS THAN 18.48” PITCH DIAMETER AND HAVE 19 TEETH.

THE HEADSHAFT SPROCKETS WILL BE KEYED FIRMLY TO THE SHAFT WITH THE KEYWAY MOLDED INTO THE HUB IN SUCH A WAY AS TO RESTRICT LATERAL MOVEMENT OF THE KEY AND TO INSURE CHAIN ALIGNMENT.

COLLECTOR CHAIN SPROCKETS – 25T & 19T – (NEW) CONTINUED

THE STATIC CORNERSHAFT SPROCKET HALVES WILL CLAMP TOGETHER SO THE SPROCKET CAN REVOLVE ON UHMW–POLYETHYLENE BEARING SLEEVES CLAMPED TO THE STATIC CORNERSHAFT.

THE BEARING SLEEVE TO BE OF SPLIT CONSTRUCTION AND TO INCLUDE A SHOULDER AT EACH END TO RESTRICT LATERAL MOVEMENT OF THE SPROCKET. THE SLEEVE HALVES ARE SECURED TO THE STATIC SHAFT BY TWO (2) 316SS CLAMPING BANDS, WHICH EXERT COMPRESSIVE FORCE AROUND THE PERIPHERY OF EACH SHOULDER.

SHAFTING – LONGITUDINAL & CROSS – (NEW)

HEADSHAFT REPLACEMENT = TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR ALL CROSS COLLECTOR SERVICING TANKS #1 THRU #8

CORNERSHAFT (STATIC SHAFT) REPLACEMENT = TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

ALL SHAFTING TO BE 1018 CRS. HEADSHAFTS TO INCLUDE FULL SIZE KEYSEATS.

ALL HEADSHAFTS WILL EXTEND ACROSS THE FULL WIDTH OF THE TANK AND WILL TURN IN SELF–ALIGNING WALL BEARINGS MOUNTED ON THE TANK WALLS.

CORNERSHAFTS WILL ALSO EXTEND ACROSS THE FULL WIDTH OF THE TANK AND WILL BE SUPPORTED BY 304 STAINLESS STEEL STATIC SHAFT SUPPORT BRACKETS. SHAFTING AND SPROCKETS WILL BE SHIPPED UN–ASSEMBLED TO PREVENT DAMAGE DURING SHIPPING AND HANDLING.

LONGITUDINAL HEADSHAFT = 4.937” DIAMETER
LONGITUDINAL CORNERSHAFT (FULL LENGTH) STATIC SHAFTS = 3.937” DIAMETER

CROSS HEADSHAFT = 2.437” DIAMETER
CROSS CORNERSHAFTS (FULL LENGTH) STATIC SHAFTS = 1.937” DIAMETER

WALL BEARINGS–HEADSHAFT, LONG & CROSS COLLECTORS – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR ALL CROSS COLLECTOR SERVICING TANKS #1 THRU #8

THE HEADSHAFT BEARINGS WILL BE BABBITTED SELF ALIGNING STYLE. THE HOUSING WILL BE ONE–PIECE (SOLID) CAST IRON CONSTRUCTION, WATER LUBRICATED, BUT SUPPLIED WITH GREASE FITTING FOR OPERATION DURING START–UP ONLY.

WALL BRACKETS–CORNERSHAFT – LONG & CROSS COLLECTORS–(NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE CORNERSHAFT 19T SPROCKETS WILL BE MOUNTED ON STATIC SHAFTS WITH BEARING SLEEVES. SHAFTS WILL BE SUPPORTED BY 3/8” THICK 304SS ANGLE OR BENT PLATE, HELD IN PLACE WITH 316SS U–BOLTS. EACH BRACKET IS SECURED BY TWO (2) 3/4” DIAMETER ADHESIVE ANCHORS.

THE STATIC SHAFT BEARING SLEEVES WILL BE MOLDED OF UHMW–POLYETHYLENE PER ASTM D4020–81 WITH A MINIMUM TENSILE STRENGTH OF 6,600 PSI AT 73 DEGREES. THE TWO SLEEVE HALVES WILL BE ASSEMBLE TO THE STUB SHAFTS WITH TWO (2) TYPE 316 STAINLESS STEEL CLAMPING BANDS.

THE SPROCKETS AND BEARING SLEEVES WILL BE SHIPPED UNASSEMBLED TO PREVENT DAMAGE TO SPROCKETS DURING SHIPPING AND HANDLING.

RETURN TRACK & SUPPORT BRACKETS – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

RETURN TRACKS WILL BE CARBON STEEL ANGLE 4” X 3” X 3/8” THICK. (LONG.) RETURN TRACKS WILL BE CARBON STEEL ANGLE 4” X 4” X 3/8” THICK. (CROSS) DUE TO DIRECT MOUNT TO TANK WALL AND CLOSE PROXIMITY OF WEAR SHOE.

RETURN TRACK BRACKETS WILL BE 3/8” THICK CARBON STEEL. BRACKETS WILL BE DESIGNED TO USE A COMMON RETURN RUN WEAR SHOE LOCATION FOR ALL LONGITUDINAL COLLECTOR WALL CONFIGURATIONS.

BRACKETS ARE DESIGNED TO CANTILEVER THE RETURN TRACK APPROXIMATELY 12” OFF THE CHANNEL WALLS AND WILL BE SPACED APPROX. 10’–0” APART.

DEFLECTOR ANGLE & SUPPORT BRACKETS – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8

DEFLECTOR ANGLES WILL BE PROVIDED TO PREVENT THE FLIGHTS FROM CONTACTING OTHER COMPONENTS WITHIN THE COLLECTOR TANK BETWEEN THE UPPER & LOWER EFFLUENT SHAFTS. DEFLECTOR WILL BE IDENTICAL TO DESIGN PROVIDED WITH ORIGINAL EQUIPMENT INSTALLATION. DEFLECTOR WILL BE 4” X 3” X 3/8” CARBON STEEL ANGLE.

BRACKETS ARE DESIGNED TO CANTILEVER DEFLECTOR ANGLE TO ALIGN WITH CARRY WEAR SHOE LOCATION. IF COLLECTOR CHAIN BECOMES TAUGHT, CARRY WEAR SHOE WILL CONTACT DEFLECTOR ANGLE WEAR STRIP AND CONTROL LOCATION OF THE FIBERGLASS FLIGHT, AWAY FROM COMPONENTS OR CONCRETE OBSTRUCTIONS DURING NORMAL OPERATION OF EQUIPMENT.

WEAR STRIPS – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR ALL CROSS COLLECTOR SERVICING TANKS #1 THRU #8

REPLACEABLE WEAR STRIPS WILL BE PROVIDED FOR THE COLLECTOR TANK FLOORS, RETURN TRACK AND DEFLECTOR ANGLES. THE WEAR STRIPS WILL BE 3/8” THICK UHMW– POLYETHYLENE MATERIAL IN 10’–0” LONG SECTIONS WITH EACH SECTION HAVING FIVE (5) COUNTERSUNK HOLES/SLOTS. ALL SPLICES WILL BE MITERED AT 45 DEGREES TO ALLOW FOR SMOOTH PASSAGE OF THE WEAR SHOES IN THE DIRECTION OF FLIGHT TRAVEL.

WEAR STRIPS WILL BE ATTACHED BY FIELD WELDING THE 316 STAINLESS STEEL CONVEX WELD WASHERS DIRECTLY TO THE EXISTING 25# A.S.C.E. T–RAILS. LOCATION OF EXISTING T–RAILS ARE APPROXIMATELY 2’–9” (LONGITUDINAL) AND 1’–0” (CROSS) FROM THE TANK WALL.

CONFIRM CONDITION OF EXISTING T–RAILS, IN REGARD TO INTEGRITY OF TOP SURFACE AND VERTICAL LOCATION (FLUSH WITH TANK FLOOR, ABOVE TANK FLOOR, BELOW TANK FLOOR), AND CONFIRM HORIZONTAL LOCATION (DISTANCE FROM TANK WALL)

RETURN TRACK (UPPER OR LOWER) WEAR STRIPS WILL BE ATTACHED USING TYPE 316SS CONVEX WELD WASHERS, FIELD WELDED TO THE NEW TRACK ANGLE SECTIONS. THIS WILL REQUIRE REMOVAL OF PAINT SYSTEM IN THE AREA OF THE WELD WASHERS, PRIOR TO FIELD WELDING.

DEFLECTOR ANGLE WEAR STRIPS WILL BE ATTACHED USING TYPE 316SS CONVEX WELD WASHERS, FIELD WELDED TO THE NEW ANGLES. AS STATED ABOVE, THIS WILL REQUIRED REMOVAL OF PAINT SYSTEM IN THE AREA OF THE WELD WASHERS, PRIOR TO FIELD WELDING.

ALL WEAR STRIPS AND ATTACHMENT HARDWARE WILL BE FURNISHED BY EVOQUA.

SEE EVOQUA DRAWING V13–2689–108 FOR WEAR STRIP INSTALLATION DETAILS AND INSTRUCTIONS.

DRIVE UNITS – EXISTING

DRIVEN SPROCKET – 40T – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR ALL CROSS COLLECTOR SERVICING TANKS #1 THRU #8

THE DRIVEN SPROCKET WILL CONSIST OF REPLACEABLE POLYMERIC TOOTHED RIMS BOLTED TO A SPLIT POLYMERIC DISHED BODY. THE RIM AND BODY WILL BE MOLDED OF POLYURETHANE HAVING A WATER ABSORPTION RATE NOT TO EXCEED 1.3% AT SATURATION IN ACCORDANCE WITH ASTM D570.

THE TOOTHED RIM WILL BE MOLDED IN FOUR (4) SEGMENTS AND EACH SEGMENT WILL BE ATTACHED TO THE BODY WITH FOUR (4) M16 DIAMETER BOLTS. THE SPROCKET RIM WILL NOT BE LESS THAN 33.25” PITCH DIAMETER AND HAVE 40 TEETH. ALL SPROCKET HARDWARE WILL BE TYPE 316 STAINLESS STEEL.

LONGITUDINAL DRIVEN SPROCKET = DEEP DISH STYLE
CROSS COLLECTOR DRIVEN SPROCKET = SHALLOW DISH STYLE

ALL DRIVEN SPROCKETS WILL BE SHIPPED UNASSEMBLED TO PREVENT DAMAGE TO SPROCKET TEETH DURING SHIPPING AND HANDLING.

DRIVE SPROCKET TEETH SEGMENT – 11T – (NEW) LATER

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE DRIVE SPROCKET SEGMENTAL TEETH IS MADE FROM A POLYMERIC PLATE SECTION. THE SPROCKET PLATE SECTION WILL BE MOLDED OF POLYURETHANE AS DESCRIBED UNDER THE COLLECTOR CHAIN SPROCKET SECTION. THE SPROCKET TEETH WILL NOT BE LESS THAN 9.26” PITCH DIAMETER AND HAVE 11 TEETH. (NH78)

DRIVE CHAIN (NH78) – (NEW)

TYPICAL FOR EACH LONGITUDINAL TANK #1 THRU #8 AND FOR THE CROSS COLLECTOR SERVICING TANKS #3 THRU #5

THE DRIVE CHAINS WILL BE NH78 NON–METALLIC MADE OF ACETAL RESIN AND CONNECTED WITH 7/16” DIA. NON–ROTATING 316 STAINLESS STEEL PINS. THE PINS WILL BE CONSTRUCTED TO PREVENT ROTATION. CHAIN WILL HAVE A PITCH OF 2.609”, WEIGHT OF 1.4 LBS/FT AND A WORKING LOAD OF 1,750 LBS. THE DRIVE CHAIN IS SUPPLIED IN RANDOM LENGTHS. IT IS THE INSTALLER’S RESPONSIBILITY TO MAKE UP THE REQUIRED CHAIN LENGTHS TO FIT THIS INSTALLATION.

EACH COLLECTOR (LONGITUDINAL OR CROSS) REQUIRES A CHAIN STRAND LENGTH OF 17’–0”. (78 PITCHES OF NH78 CHAIN)

DRIVE CHAIN TIGHTENER – EXISTING

CHAIN GUARD – EXISTING

EQUIPMENT FASTENERS – FOR COMPONENTS BEING REPLACED – (NEW)

ALL ASSEMBLY HARDWARE, FOR REPLACEMENT COMPONENTS WILL BE TYPE 316 STAINLESS STEEL.

193 FIELD MATERIAL FOR TANKS #1 & 2 + CROSS

293 FIELD MATERIAL FOR TANKS #3 THRU 5 + CROSS

393 FIELD MATERIAL FOR TANKS #6 THRU 8 + CROSS

ANCHOR BOLTS – EXISTING/NEW

NEW ANCHOR BOLTS (ADHESIVE STYLE) WILL BE SUPPLIED FOR COMPONENTS THAT REQUIRE FASTENING TO CONCRETE WALLS/FLOORS AT COORDINATES DIFFERING FROM ORIGINAL LOCATIONS.

ALL ADHESIVE ANCHORS SUPPLIED UNDER THIS CONTRACT WILL BE 316 STAINLESS STEEL. ADHESIVE SYSTEM TO BE EPCON A–7 (OR EQUAL)

IF NECESSARY DUE TO POOR EXISTING ANCHOR CONDITION, THE INSTALLING CONTRACTOR MAY BE REQUIRED TO LOCATE NEW ANCHOR COORDINATES.

IF PRE–ENGINEERED AND WHERE POSSIBLE, NEW ANCHOR COORDINATES HAVE BEEN SUGGESTED, SO AS TO AVOID EXISTING ANCHOR BOLT LOCATIONS. INSTALLING CONTRACTOR MAY NEED TO CORE DRILL IN ANCHOR AREAS WHERE NEW COORDINATES WERE IMPRACTICAL.

ALL OTHER ANCHORS WILL BE REMAIN IN PLACE.

LUBRICATION LINES (NOT BY EVOQUA)

SHAFT BEARINGS WILL BE SUPPLIED WITH 1/4” NPT GREASE FITTINGS. GREASE LINES, IF DEEMED NECESSARY, WILL BE PROVIDED BY OTHERS.

SHOP PAINTING

ANY IRON AND STEEL SURFACES WILL BE BLAST CLEANED PER SSPC–SP10, THEN PAINTED WITH ONE (1) PRIME COAT OF SHERWIN–WILLIAMS DURA–PLATE 235 NSF RED OXIDE PRIMER, 4.0 TO 8.0 MILS DFT.

CARBON STEEL SHAFTING AND EXPOSED MACHINED SURFACES WILL BE SOLVENT WIPED FOLLOWED BY ONE (1) COAT OF STANDARD SHOP PRESERVATIVE.

NON–FERROUS MATERIAL, STAINLESS STEEL AND GALVANIZED SURFACES PROVIDED BY EVOQUA WATER TECHNOLOGIES LLC TO REMAIN UNPAINTED.

ERFECTION INFORMATION

EVOQUA WATER TECHNOLOGIES LLC IS NOT RESPONSIBLE FOR ENLARGING OR CLOSING CONCRETE OPENINGS, REMOVING CONCRETE OBSTRUCTIONS, OR FILLING CONCRETE RECESSES TO ALLOW INSTALLATION OF NEW EQUIPMENT, UNLESS SPECIFICALLY ASSIGNED THIS TASK, IN WRITING BY THE OWNER, JACKSONVILLE ELECTRIC AUTHORITY.


FOR THIS CONTRACT, EVOQUA INSTALLATION CONTRACTORS HAVE BEEN COMMISSIONED TO INSTALL THE EQUIPMENT. THEREFORE REMOVAL AND/OR CUTTING BACK EXISTING ANCHORS FLUSH WITH CONCRETE WILL BE THEIR RESPONSIBILITY.

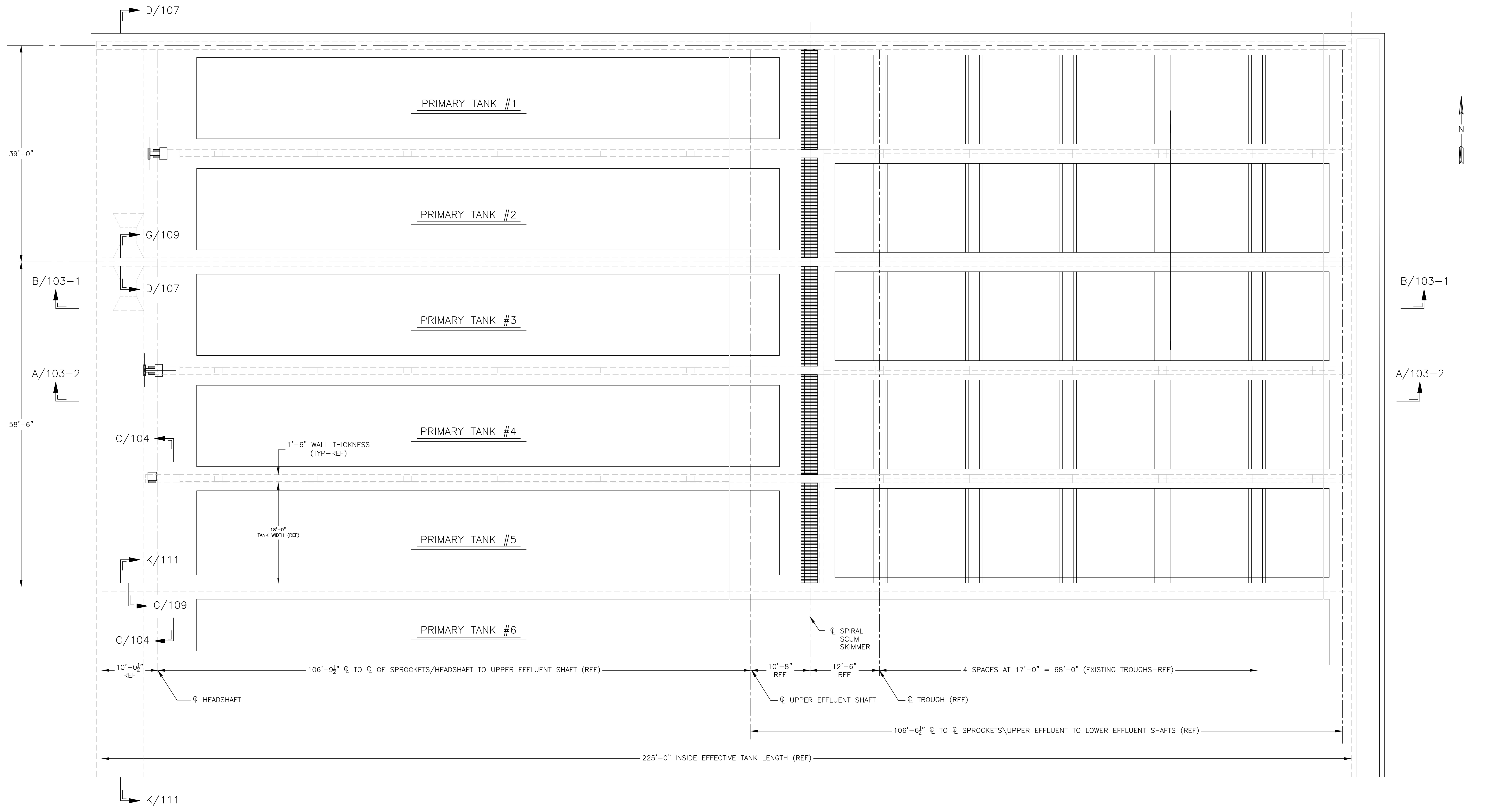
SAFETY HAZARD WARNING LABELS

LABELS ARE AFFIXED ON EVOQUA WATER TECHNOLOGIES LLC EQUIPMENT WHEN A VISUAL WARNING IS APPROPRIATE. THE EQUIPMENT OWNER IS RESPONSIBLE FOR KEEPING THESE LABELS VISIBLE AND IN GOOD CONDITION. REPLACEMENT LABELS ARE AVAILABLE FROM THE EVOQUA PARTS DEPARTMENT.

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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STD: BORDER–0106–24X36D1	INTL REF:	05/30/2014 – 2:10 PM	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN	COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED, AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.	DESIGNER HEINEN DATE 5/30/14	CHECKER HEINEN DATE 5/30/14	ENGINEER DATE	MANAGER PIMLOTT DATE 5/30/14	FILE: NEW SCALE: NA	TITLE GENERAL ARRANGEMENT – SPECIFICATIONS C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS FOR PRIMARY TANKS #1 THRU #8 (LONG & CROSS)	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL	 WATER TECHNOLOGIES WATER TECHNOLOGIES WAUKESHA, WI 262–547–0141	PROJECT SO# 421460	CODE 4001	DRAWING V13–2689–101	SHEET 1 OF 1	REV –
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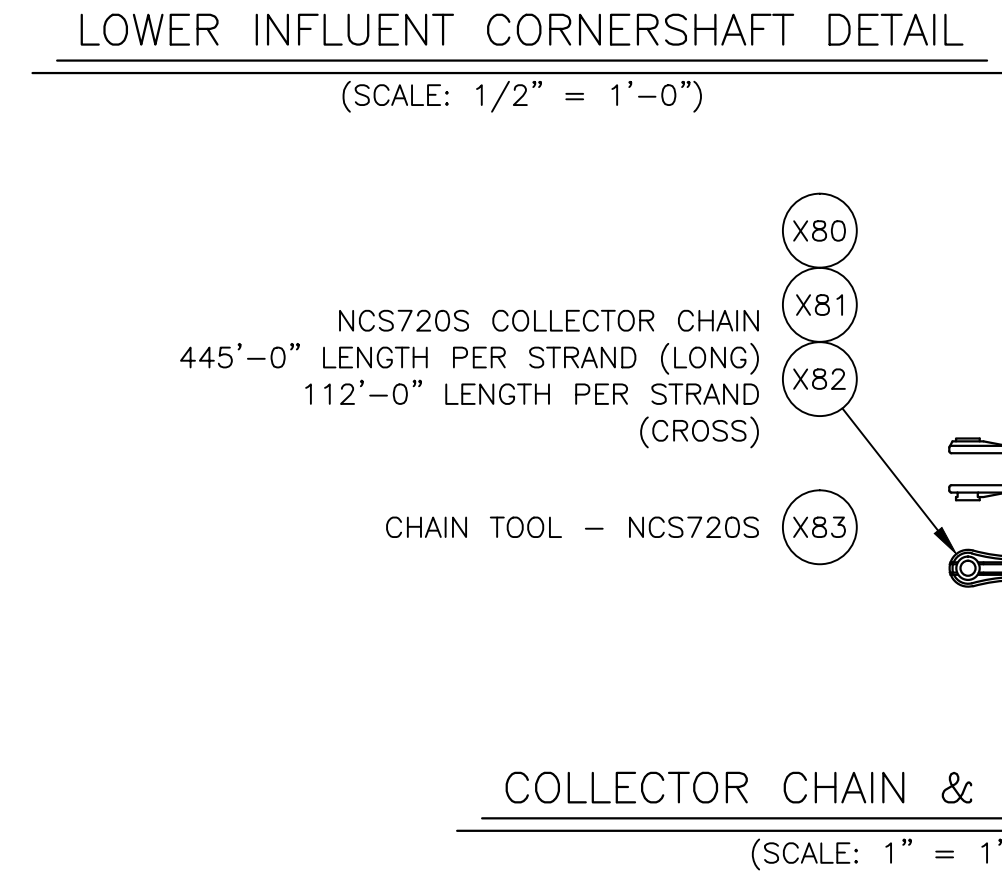
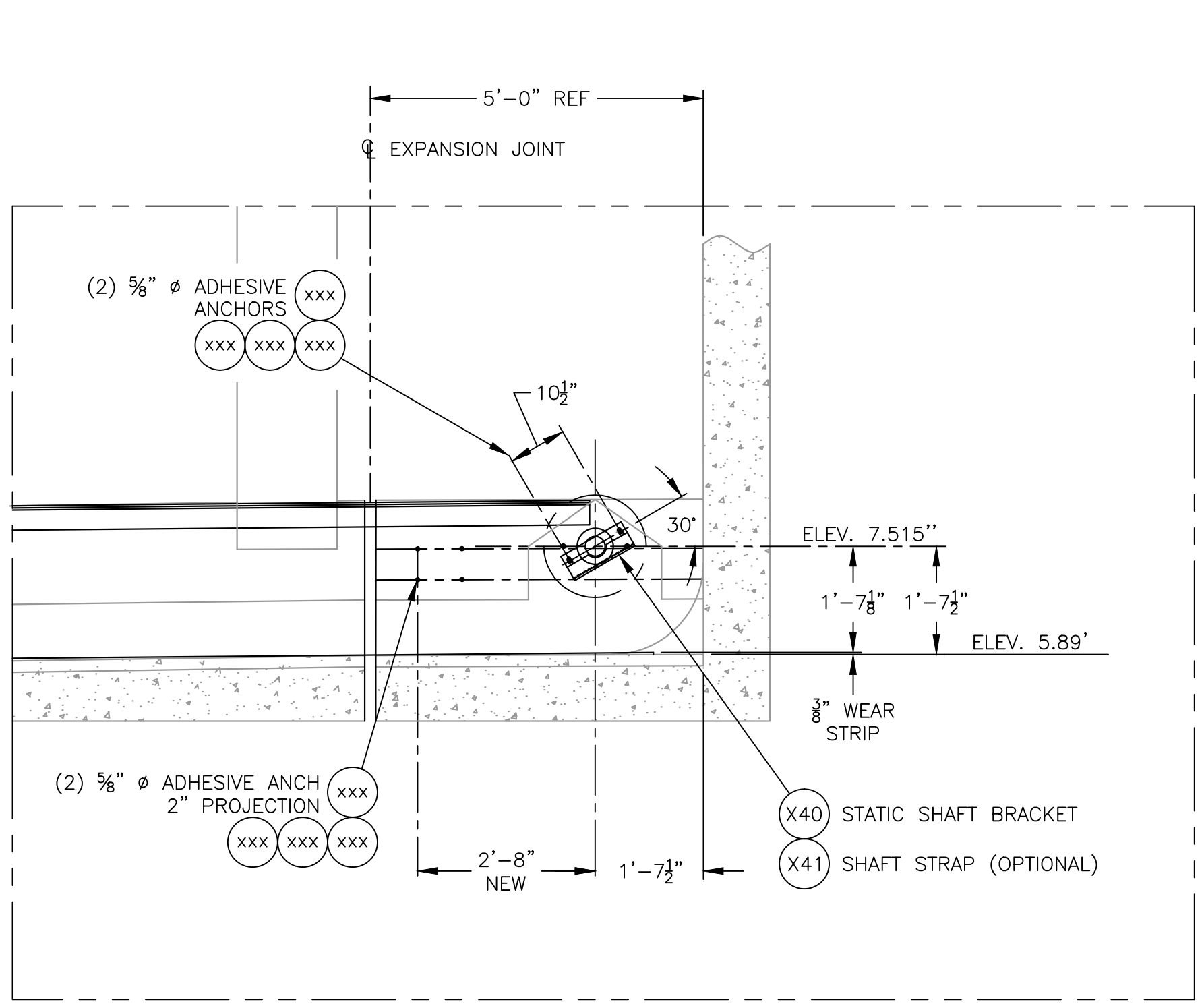
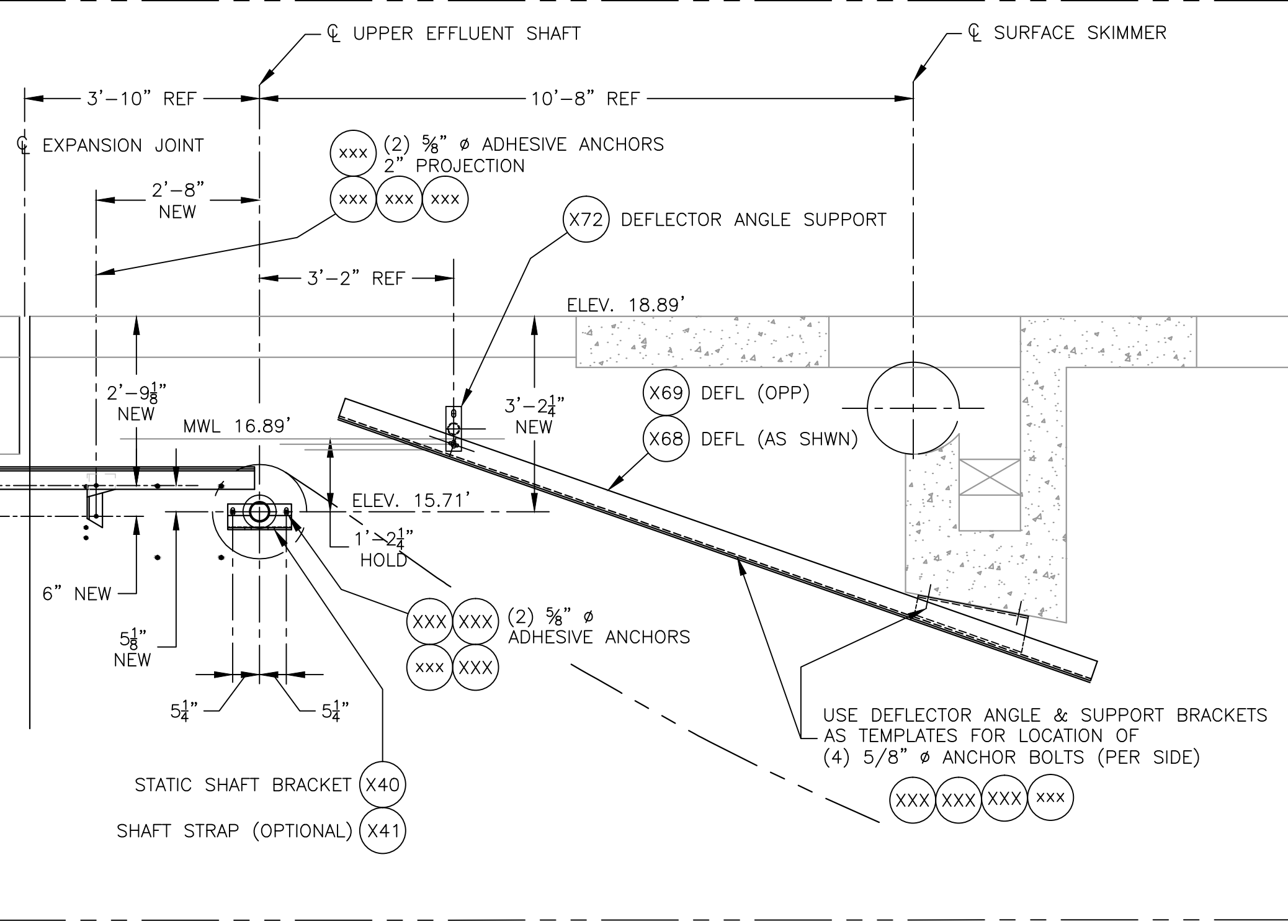
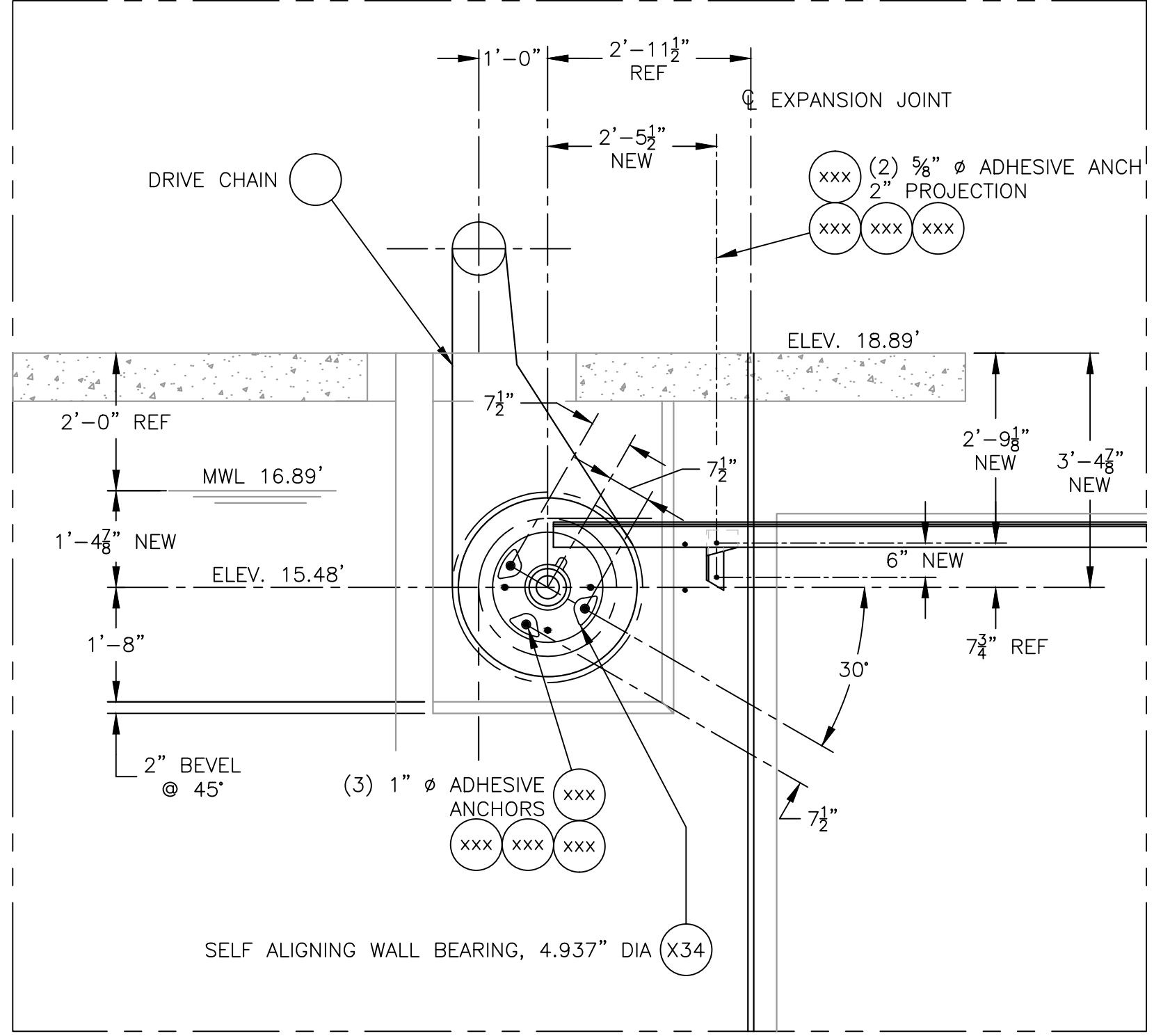
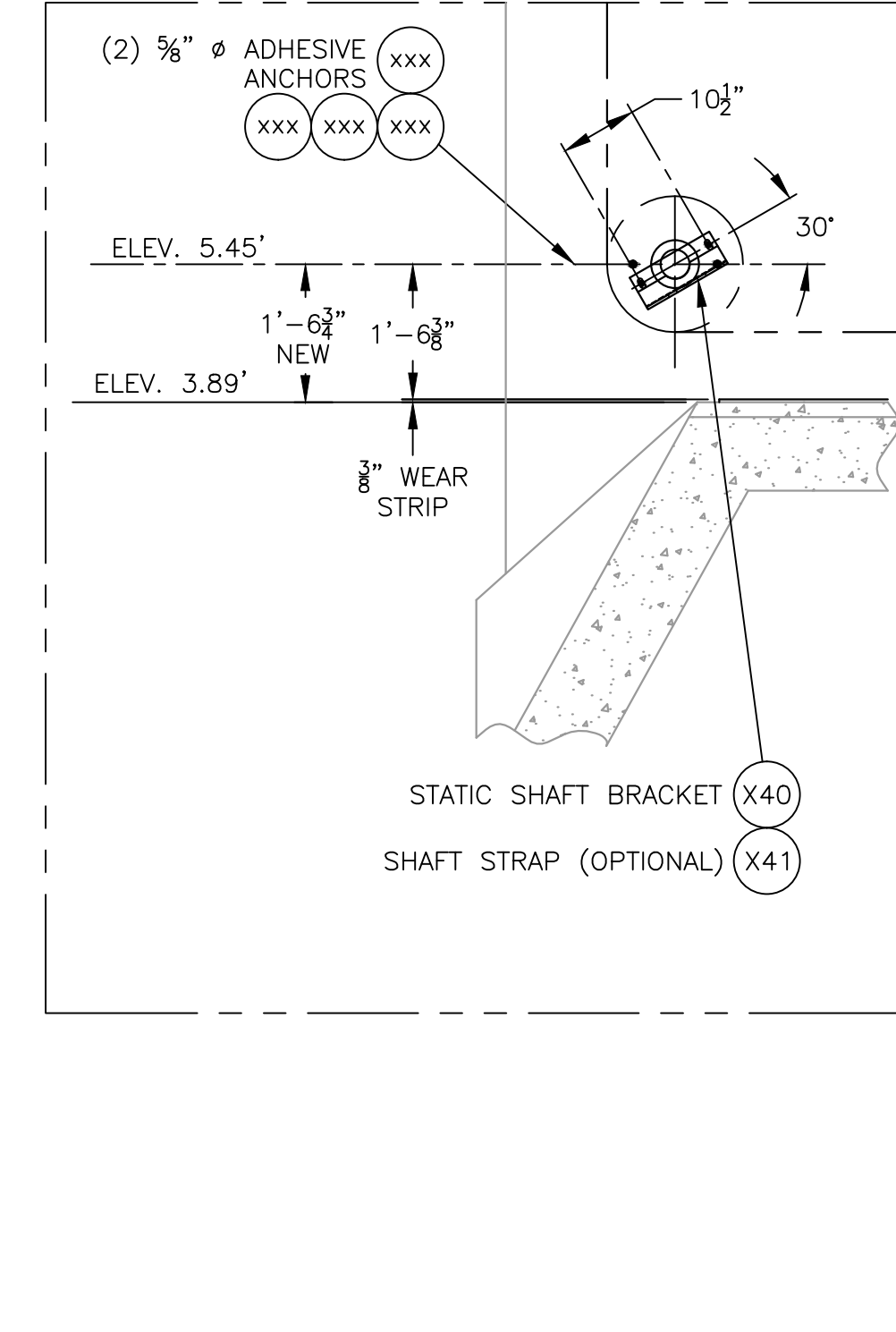
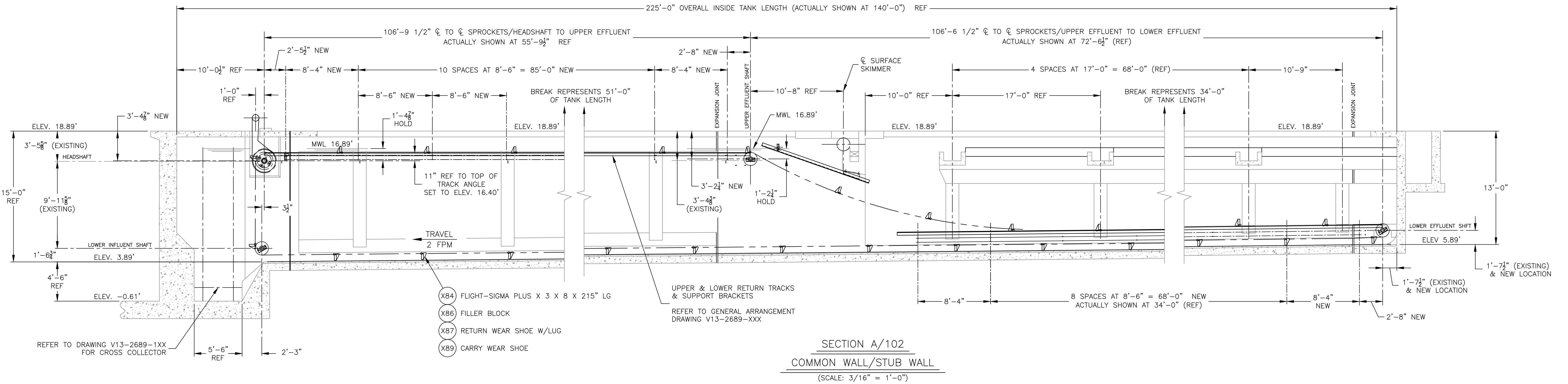
PLAN VIEW (ELEVATION 18.89')

TANK NOTE:
 PRIMARY TANKS #3 THRU #5 ARE IDENTICAL TO PRIMARY TANKS #6 THRU #8 EXCEPT MIRROR IMAGED FROM PLAN VIEW SHOWN ABOVE.
 MIRROR IMAGE WITH RESPECT TO THE LOCATION OF THE CROSS COLLECTOR PIT WHICH FOR TANKS #3 THRU #5 = NORTH END, TANKS #6 THRU #8 = SOUTH END.

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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		CHECKER HEINEN	DATE 5/30/14	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL
		ENGINEER PIMLOTT	DATE 5/30/14	WATER TECHNOLOGIES WAUKESHA, WI 262-547-0141
		MANAGER PIMLOTT	DATE 5/30/14	
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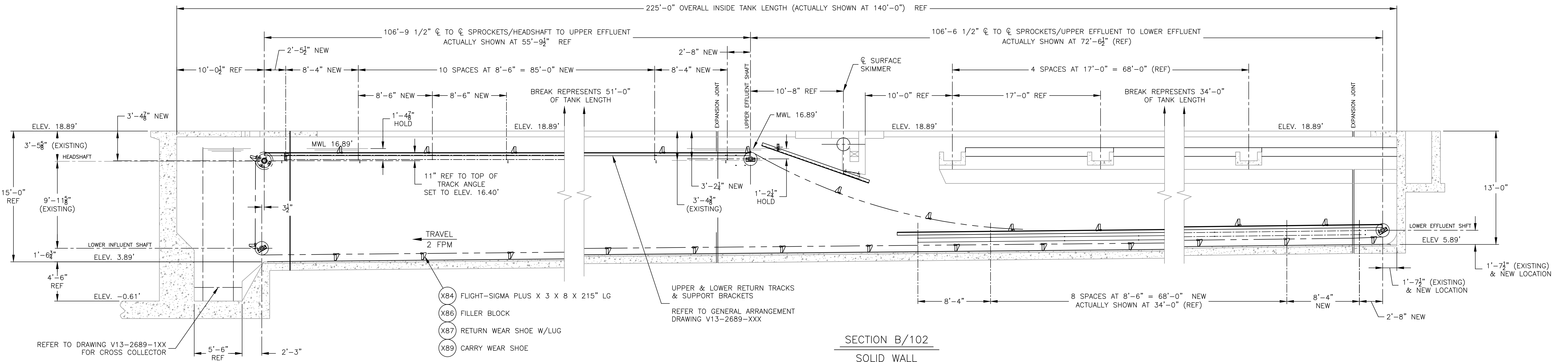
WALL BEARING ANCHOR INSTALLATION NOTE:
ANY NEW WALL BEARING ANCHOR LOCATIONS THAT MAY CAUSE INTERFERENCE WITH EXISTING ANCHORS, SHALL BE ROTATED (30°, BUT UP TO 45°) TO AVOID INTERFERENCE.

COMMON WALL/STUB WALL APPLICATIONS MAY ALSO NECESSITATE ROTATING THESE SAME WALL BEARINGS IN AN OPPOSITE ROTATIONAL DIRECTION TO AVOID INTERFERENCE.

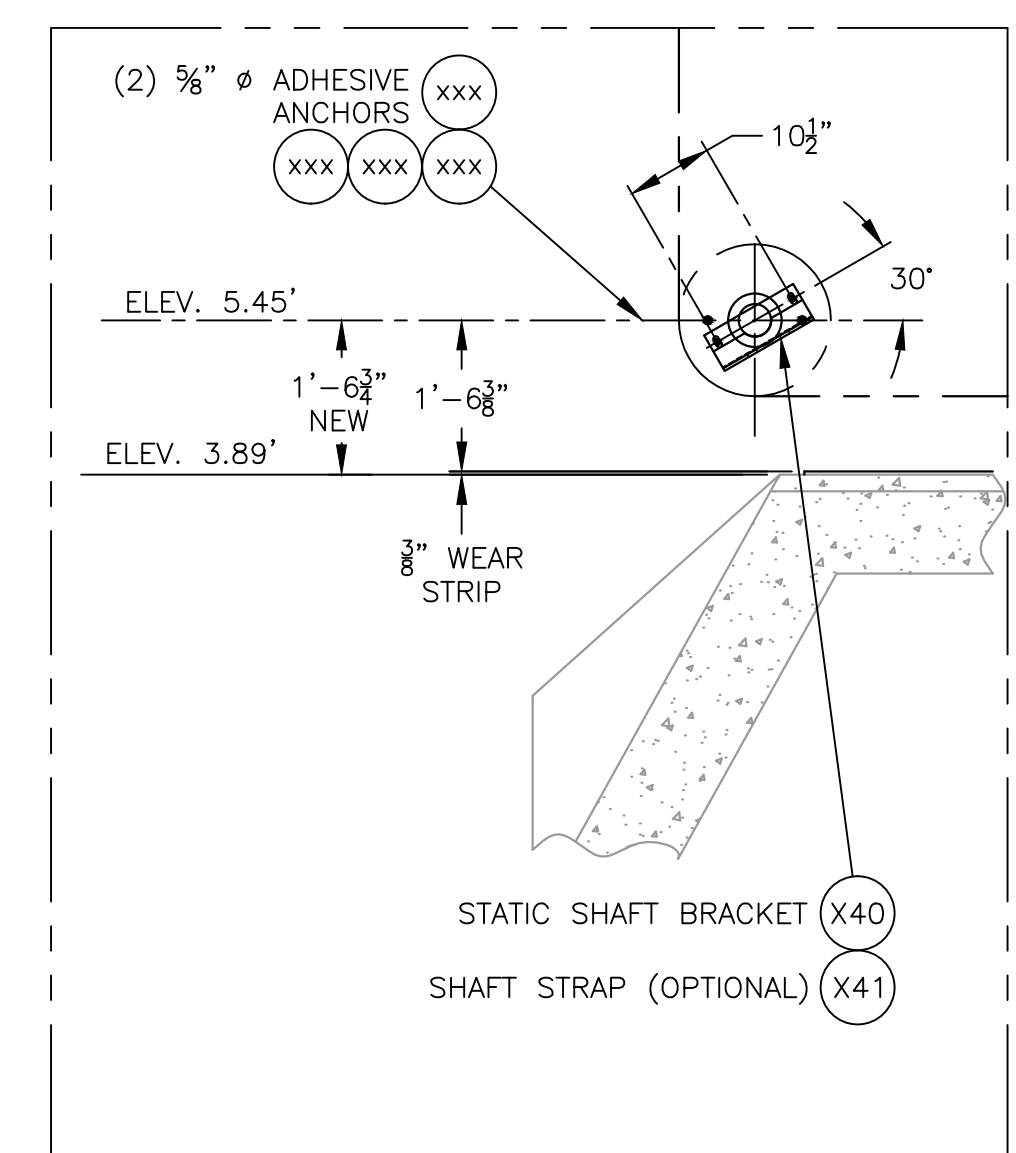
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PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

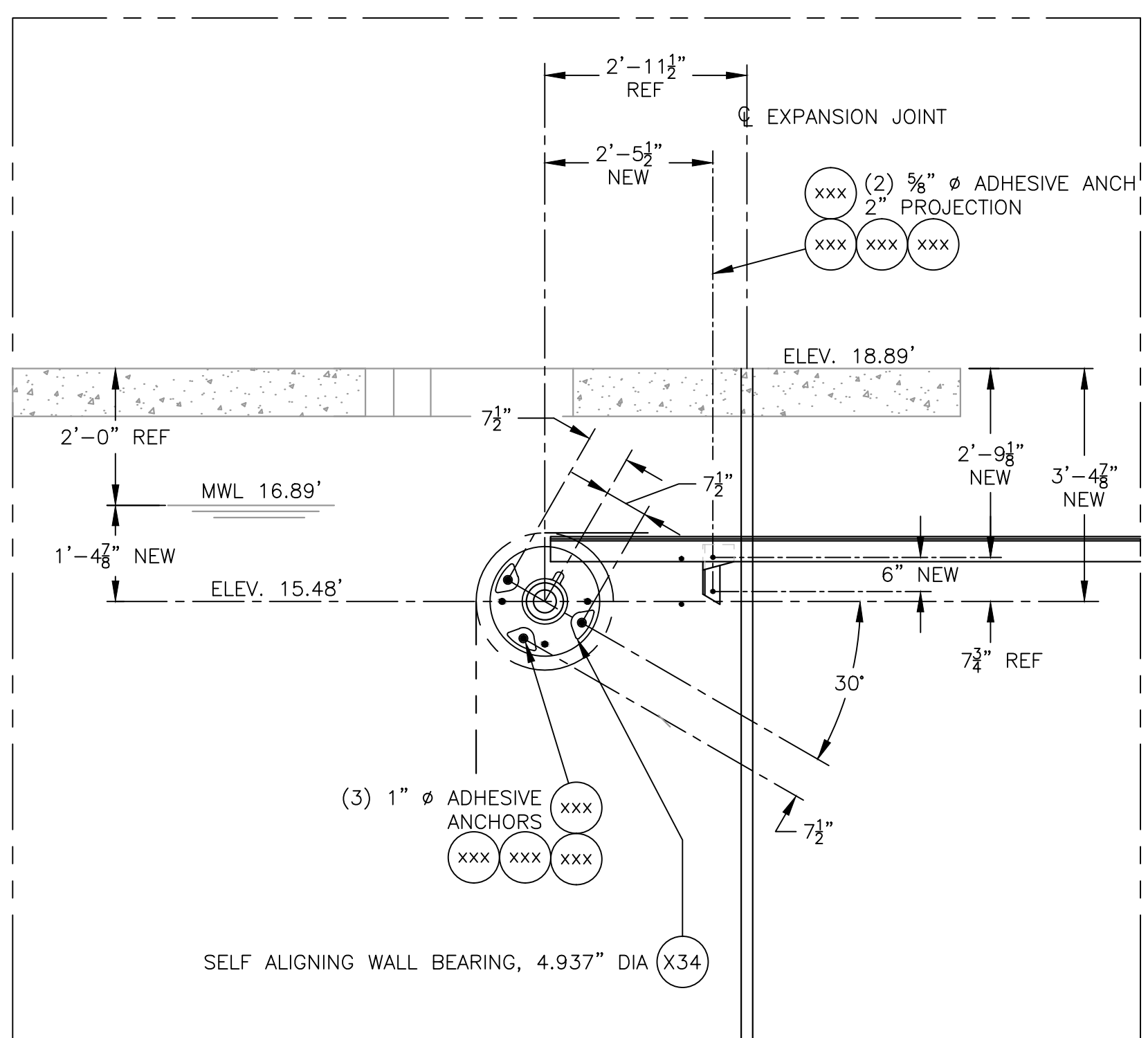
STD: BORDER-0106-24X36D1	INTL REF:	05/30/2014 - 2:11 PM	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN	COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DECIMAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED, AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.	DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - ELEVATION VIEW (STUB WALL) C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS FOR PRIMARY TANKS #1 THRU #8 (LONG & CROSS)	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL	PROJECT S0# 421460	CODE 4001	DRAWING V13-2689-103	SHEET 1 OF 2	REV -
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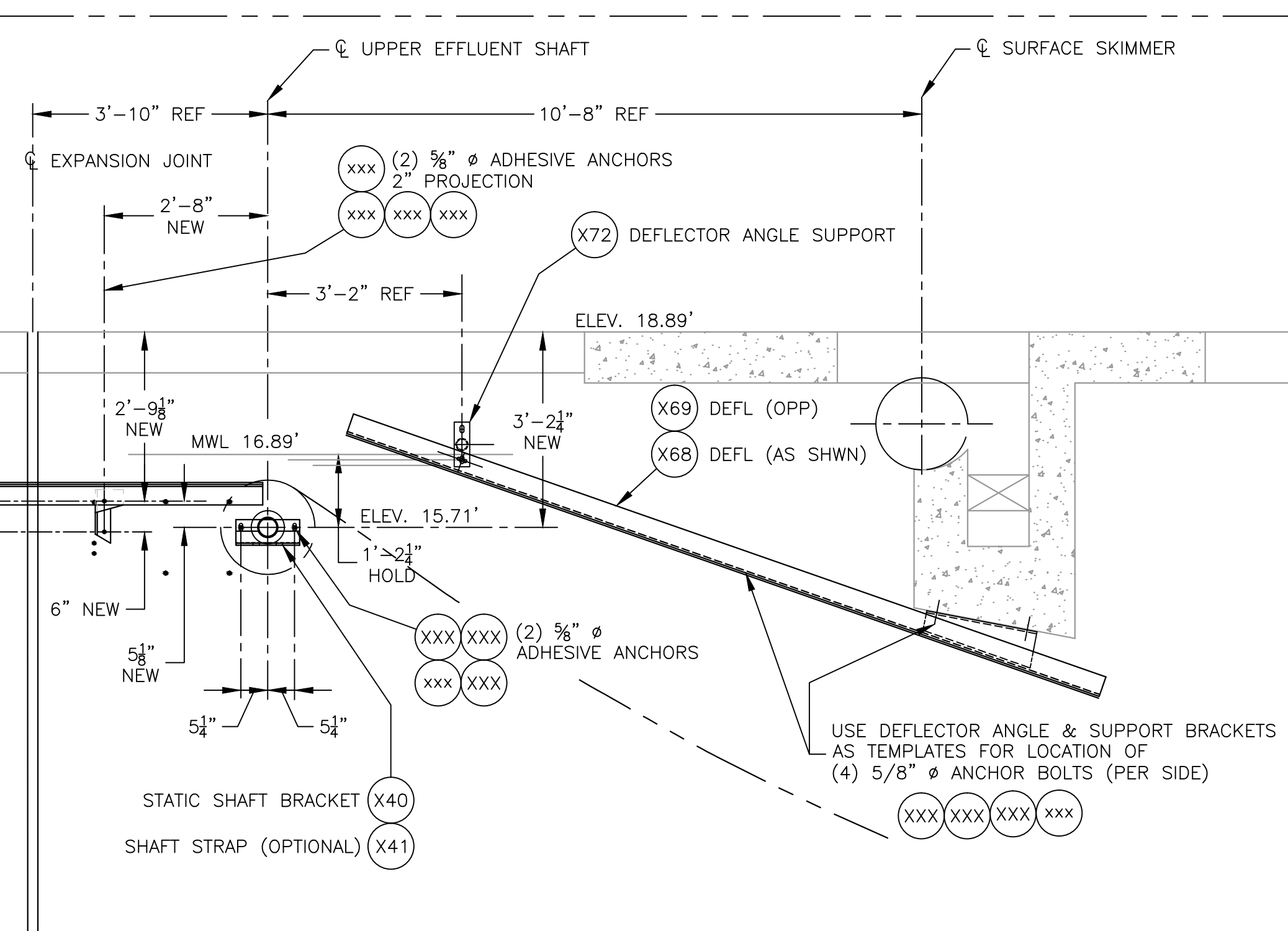
SECTION B/102
SOLID WALL
(SCALE 3/16" = 1'-0")



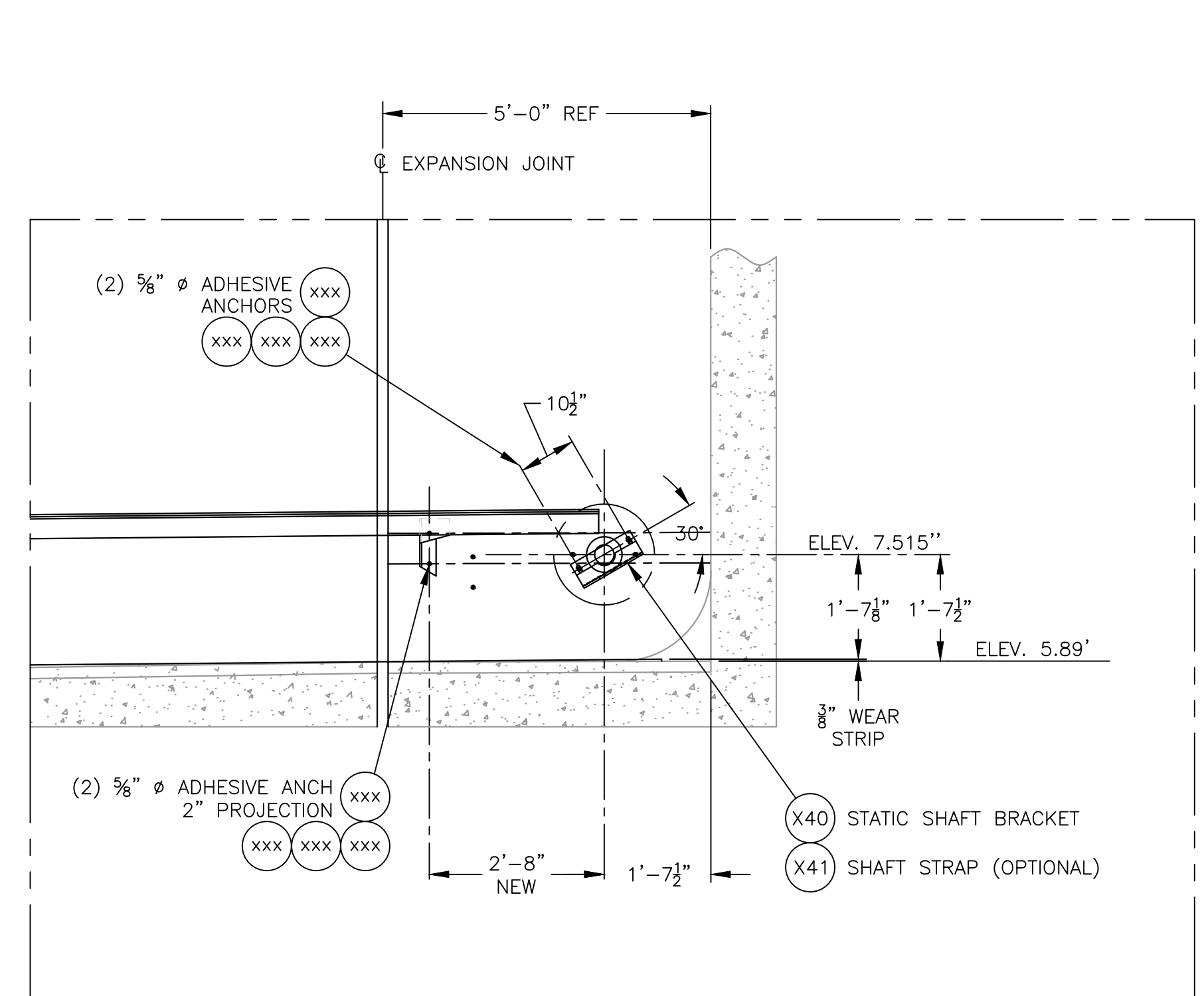
LOWER INFLUENT CORNERSHAFT DETAIL
(SCALE 1/2" = 1'-0")



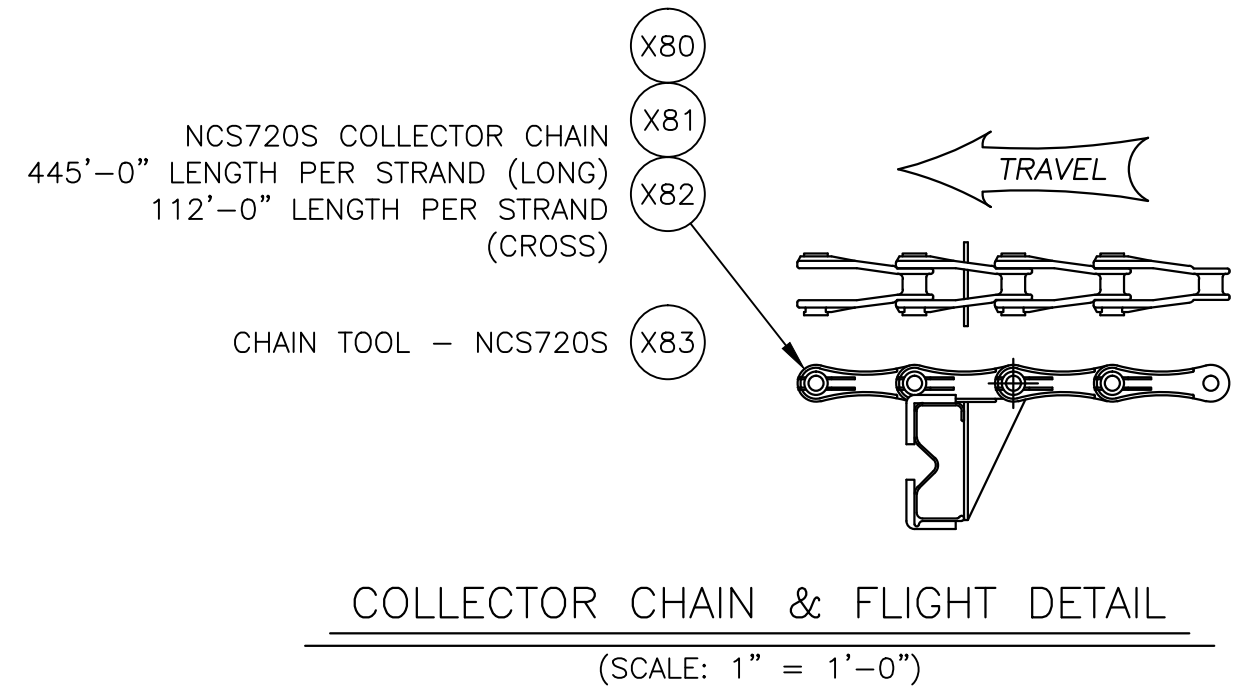
HEADSHAFT DETAIL
(SCALE 1/2" = 1'-0")



UPPER EFFLUENT CORNERSHAFT DETAIL
(SCALE 1/2" = 1'-0")



LOWER EFFLUENT CORNERSHAFT DETAIL
(SCALE 1/2" = 1'-0")



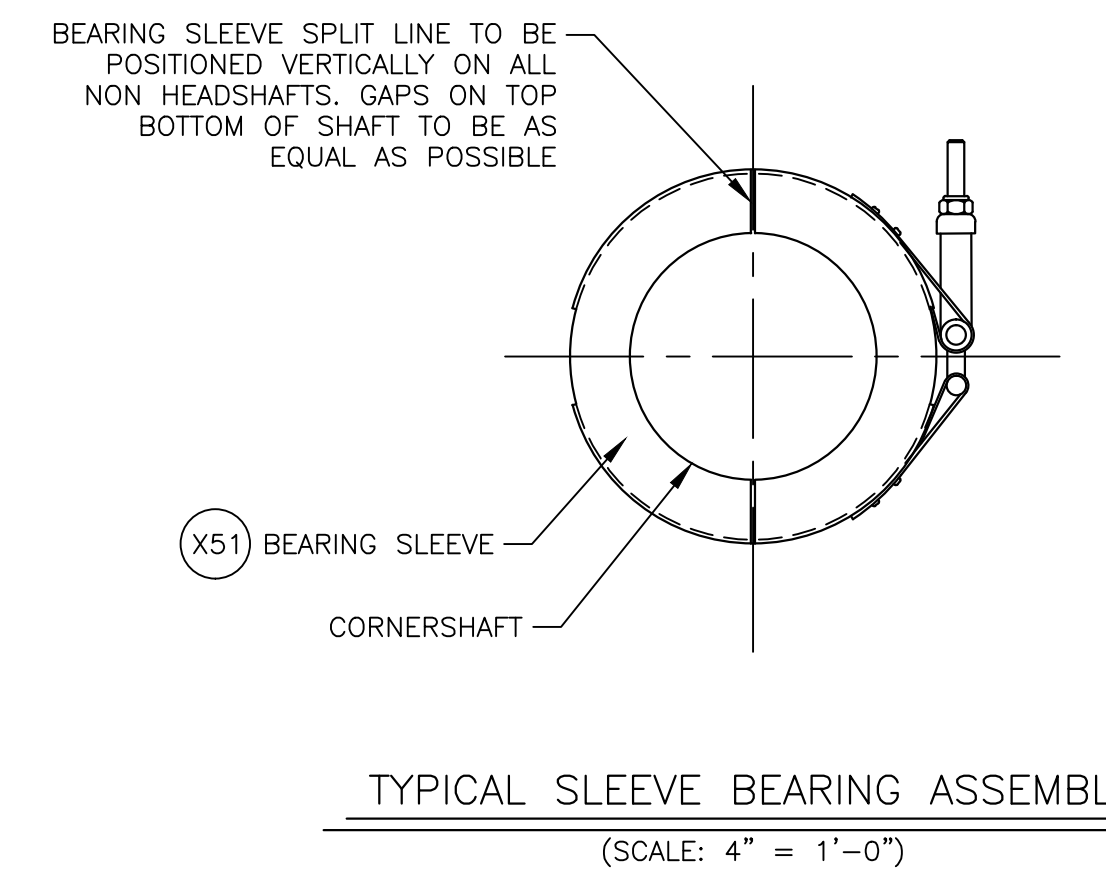
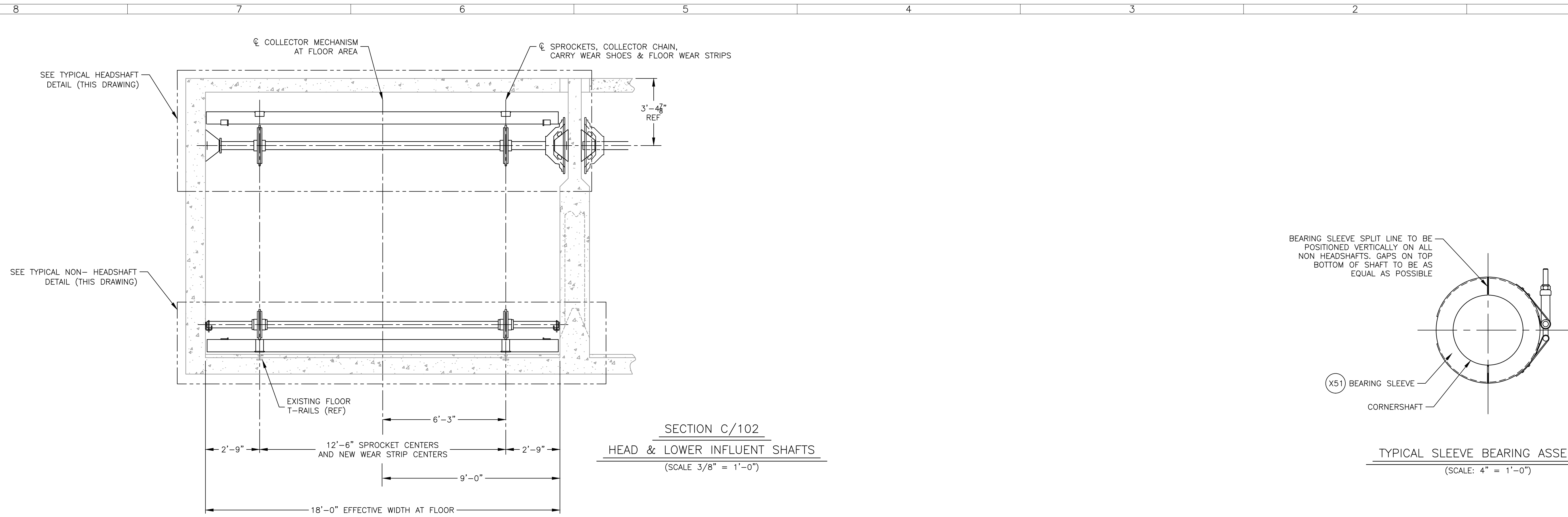
COLLECTOR CHAIN & FLIGHT DETAIL
(SCALE 1" = 1'-0")

WALL BEARING ANCHOR INSTALLATION NOTE:
ANY NEW WALL BEARING ANCHOR LOCATIONS THAT MAY CAUSE INTERFERENCE WITH EXISTING ANCHORS, SHALL BE ROTATED (30°, BUT UP TO 45°) TO AVOID INTERFERENCE.

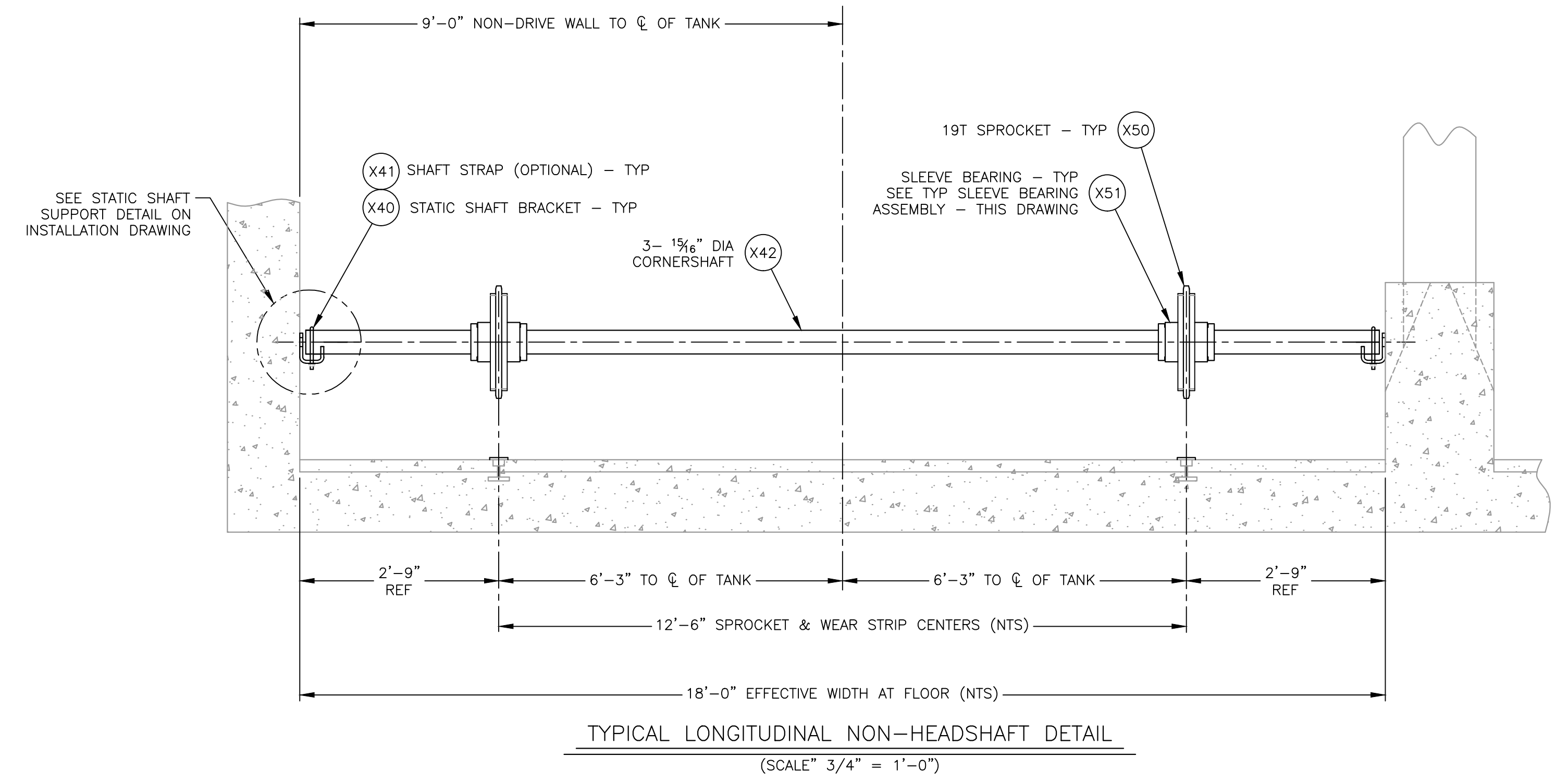
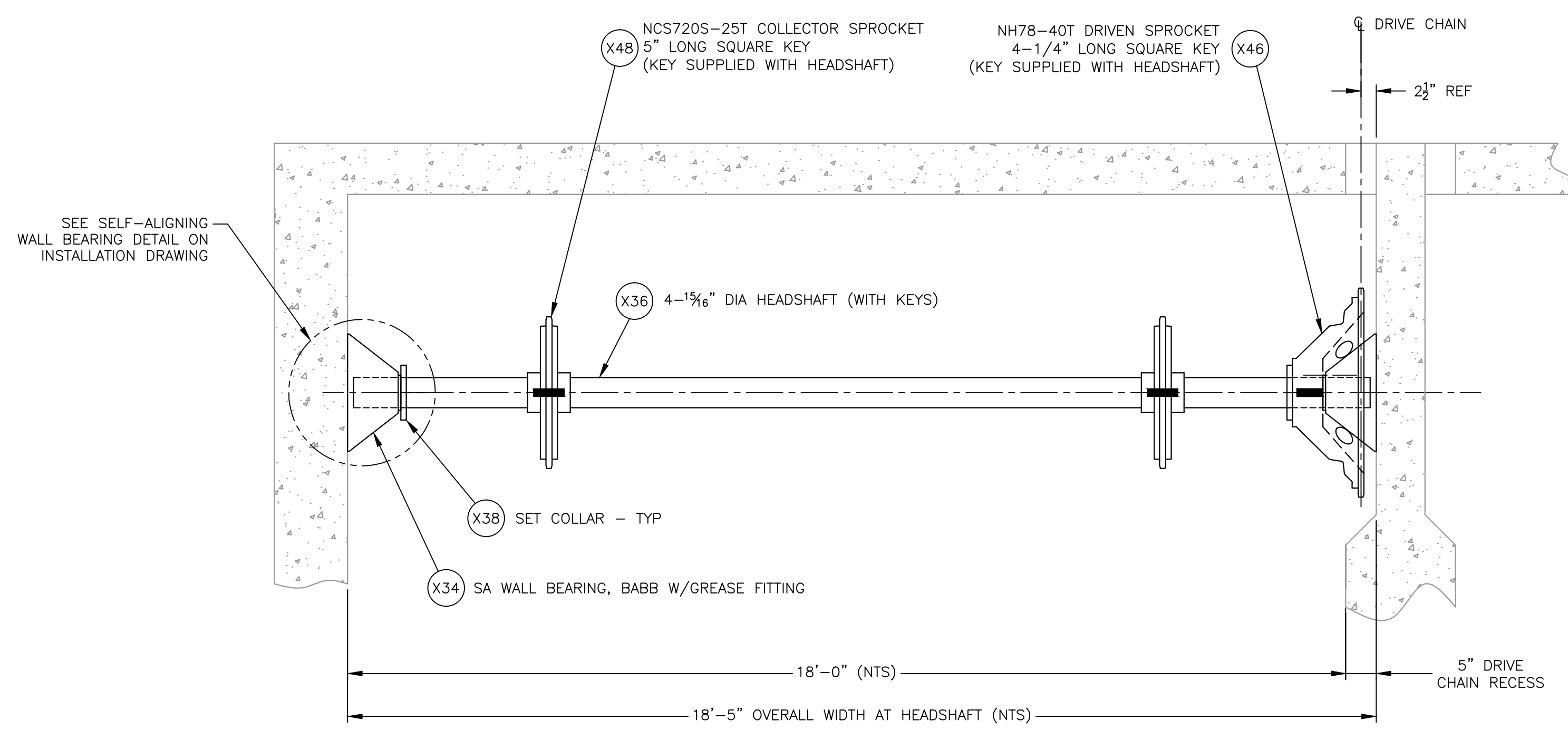
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CONSTRUCTION
PURPOSES

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

STD: BORDER-0106-24X36D1	INTL REF:	05/30/2014 - 2:11 PM	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHRD	APVD	ECN	COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED, AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.	DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - ELEVATION VIEW (SOLID WALL) C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS FOR PRIMARY TANKS #1 THRU #8 (LONG & CROSS)	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL	MANAGER PIMLOTT	DATE 5/30/14	PROJECT S0# 421460	CODE 4001	DRAWING V13-2689-103	SHEET 2 OF 2	REV -
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INSTALLATION NOTE:
 NON-METALLIC COMPONENT INSTALLATION REQUIRES SPECIAL CARE DURING ASSEMBLY OF HARDWARE TO PREVENT DAMAGE TO THE COMPONENTS. SEE O&M MANUAL FOR ASSEMBLY INSTRUCTIONS AND TORQUE VALUES FOR FASTENERS.



TYPICAL LONGITUDINAL HEADSHAFT DETAIL
 (SCALE 3/4" = 1'-0")

TYPICAL LONGITUDINAL NON-HEADSHAFT DETAIL
 (SCALE 3/4" = 1'-0")

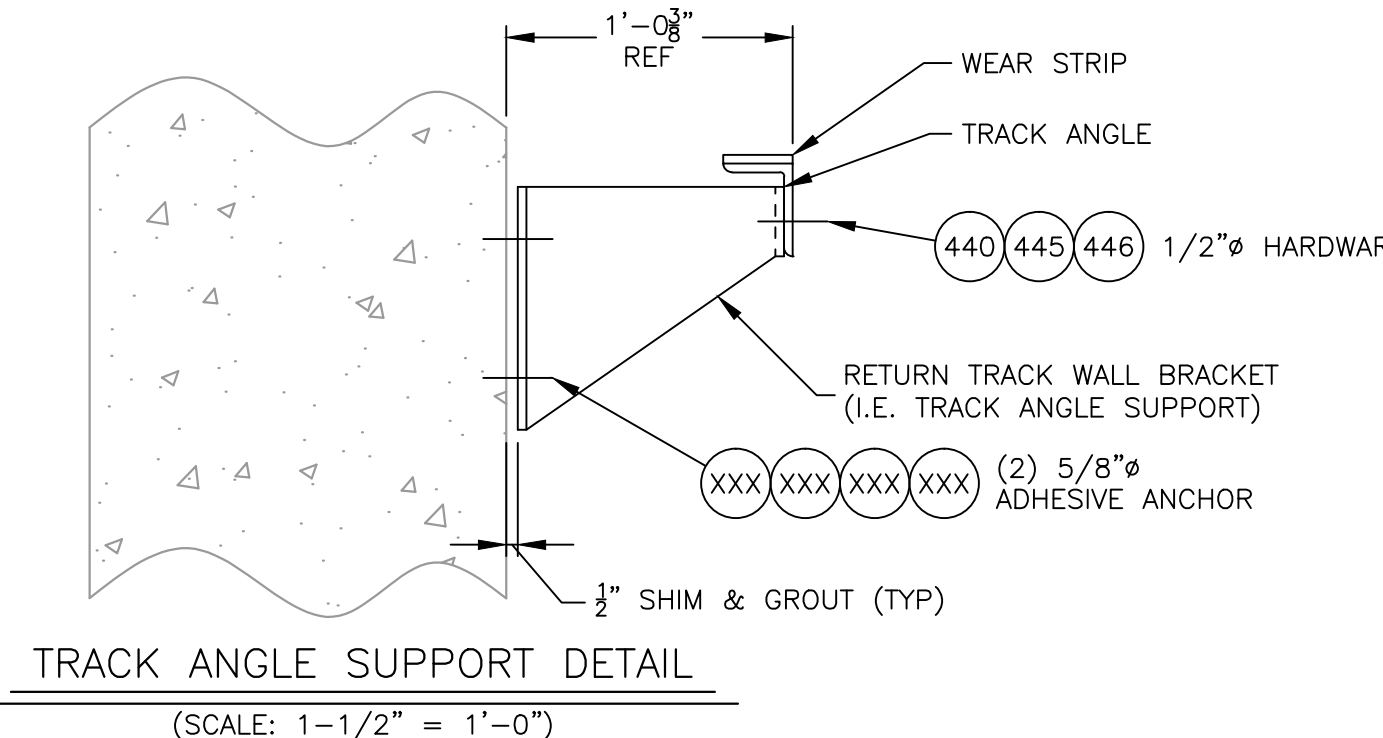
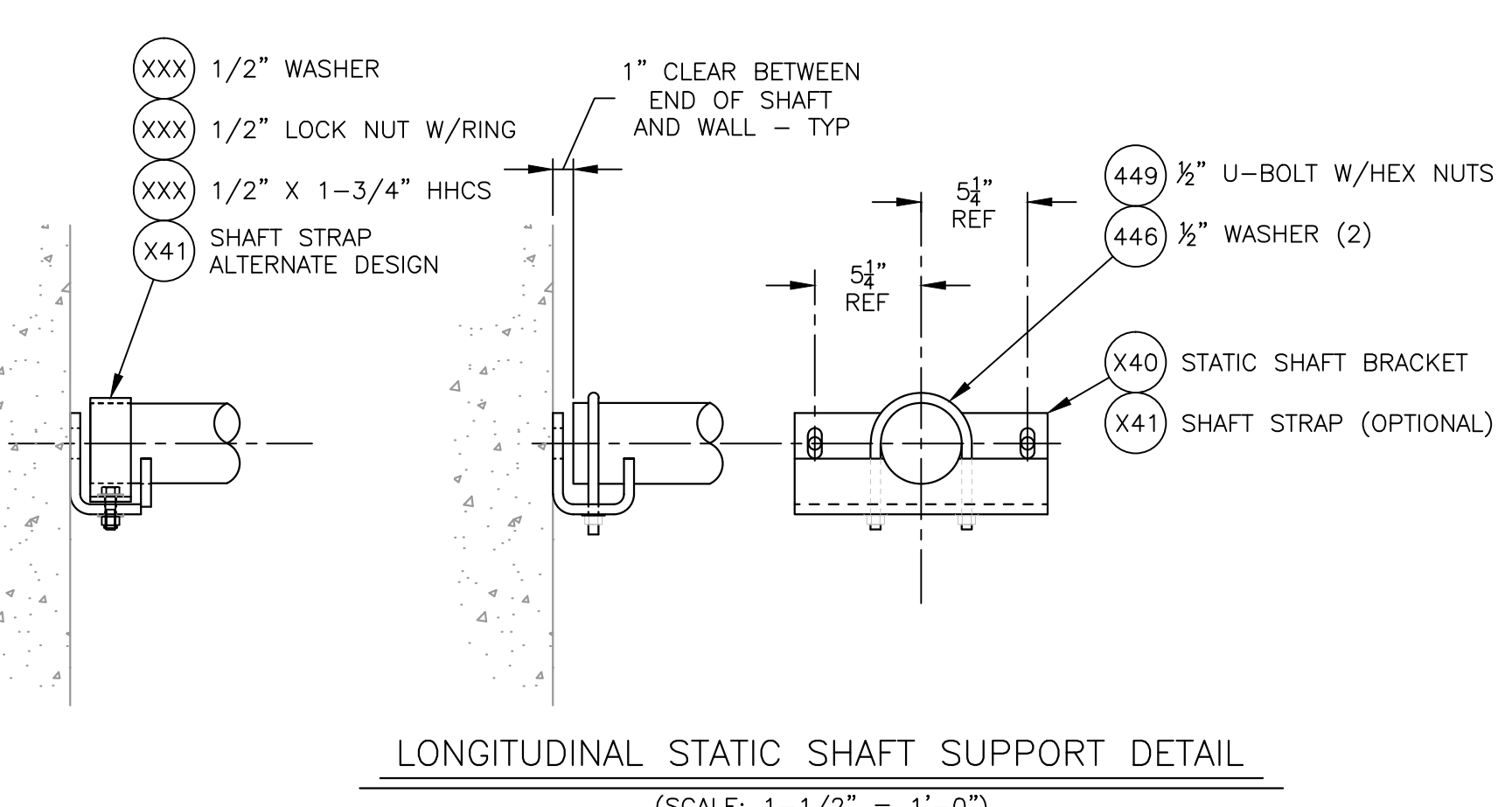
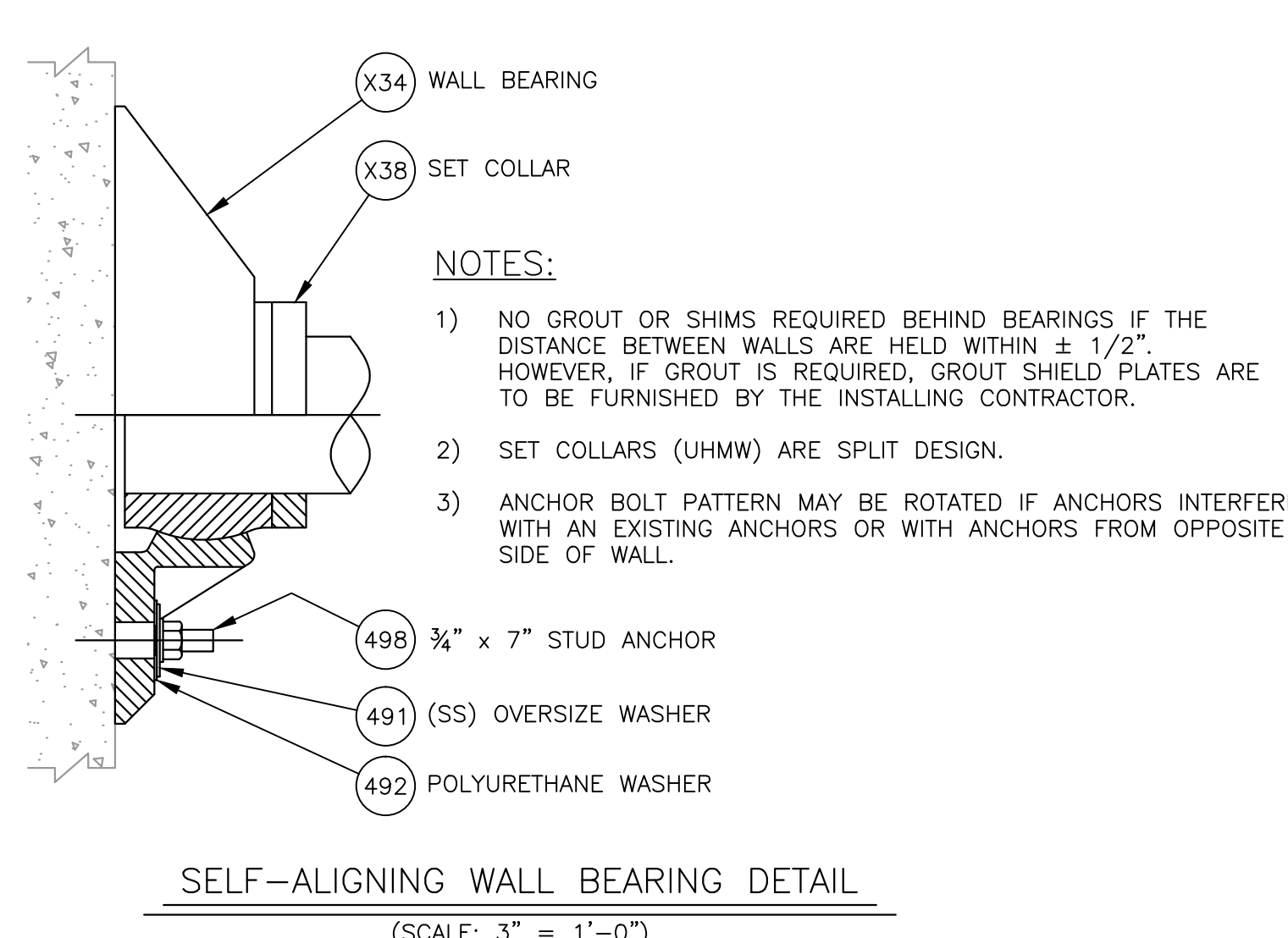
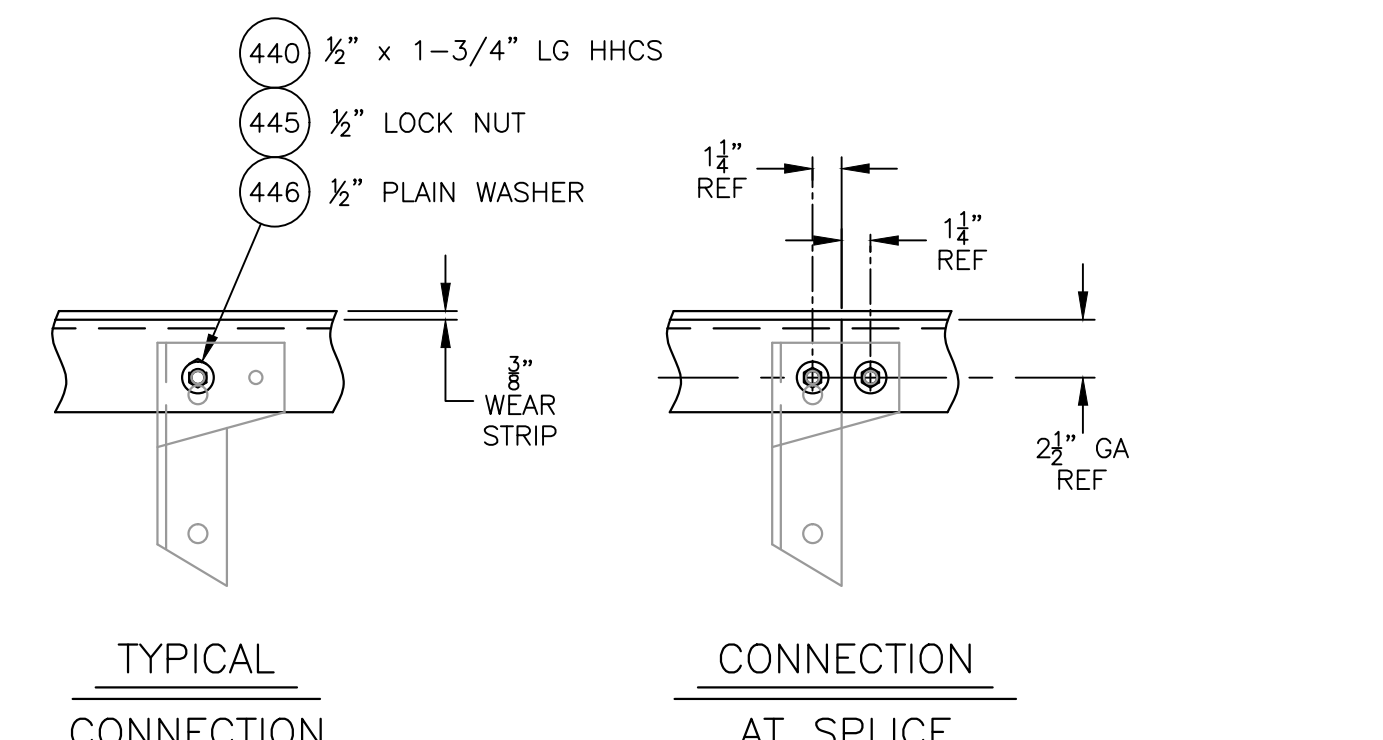
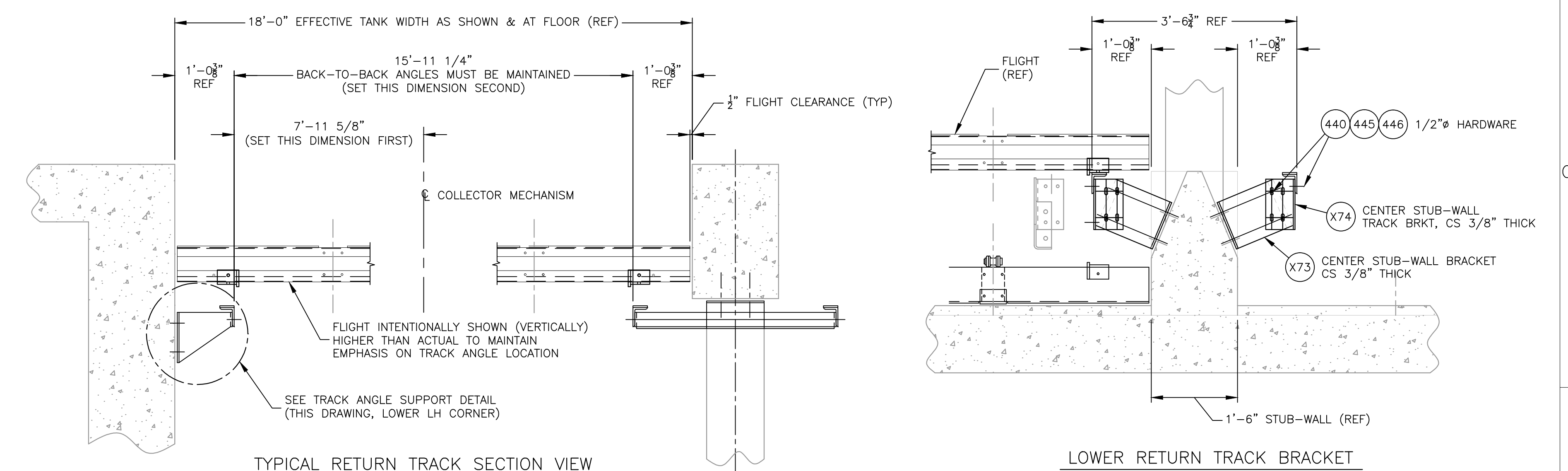
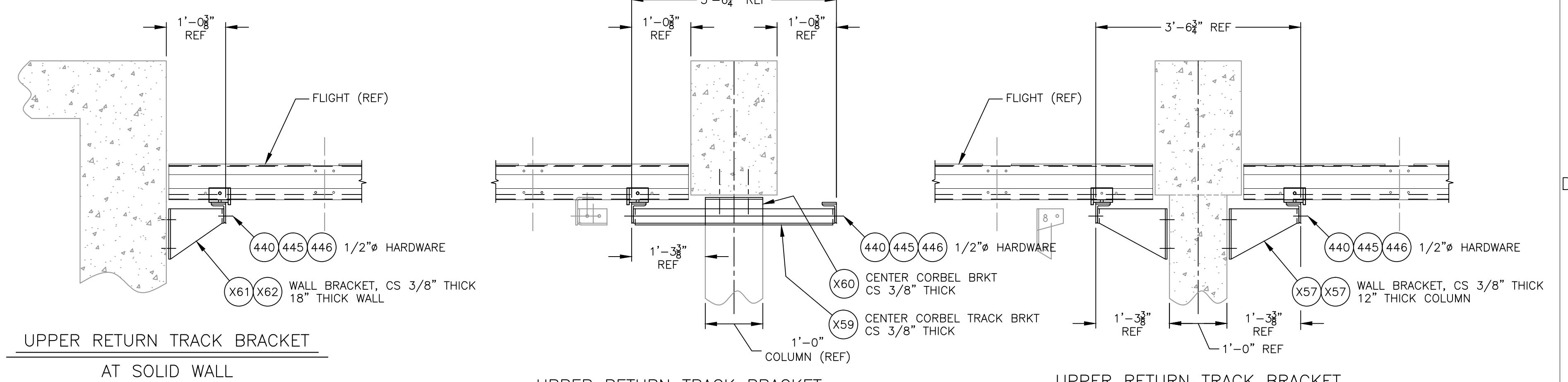
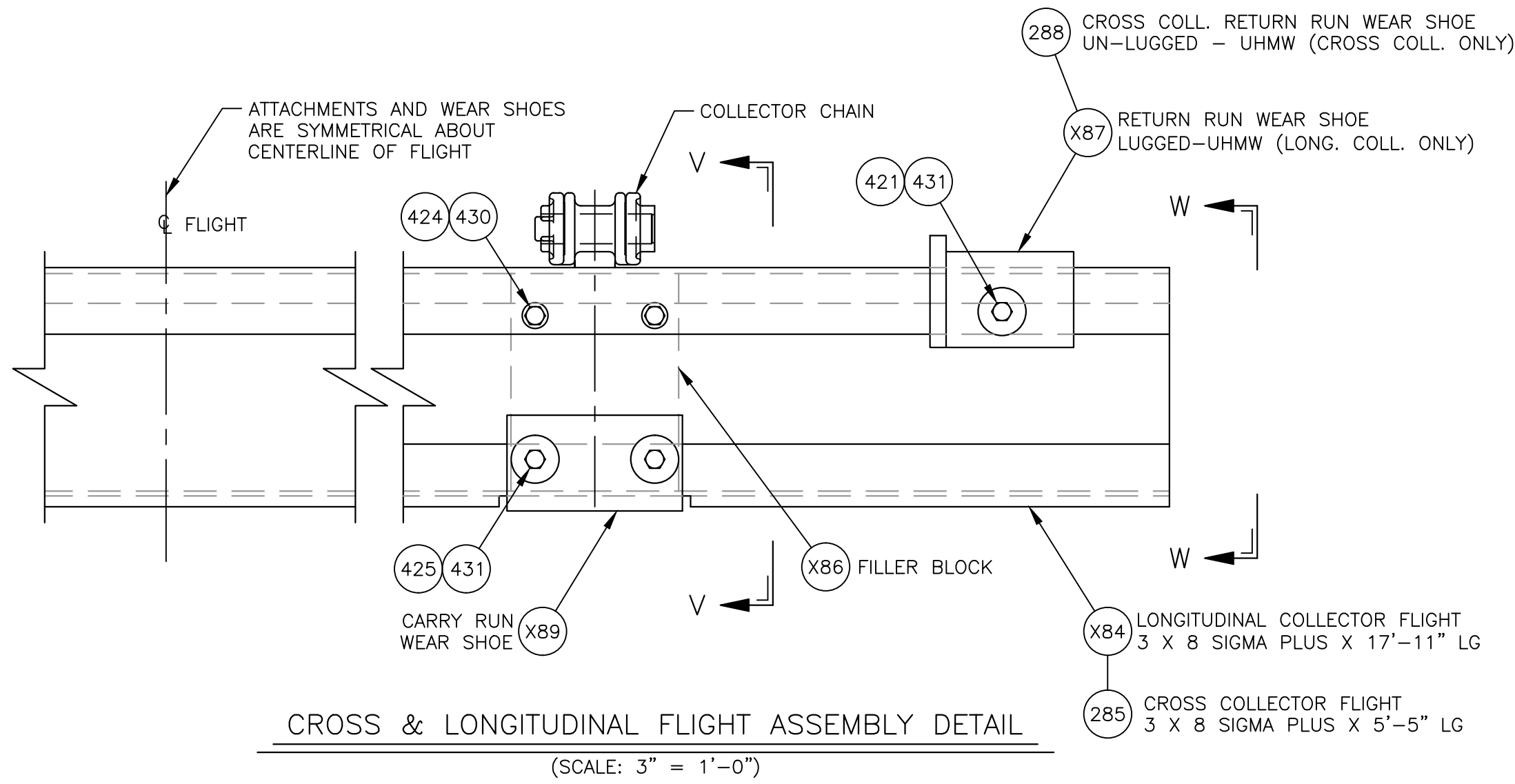
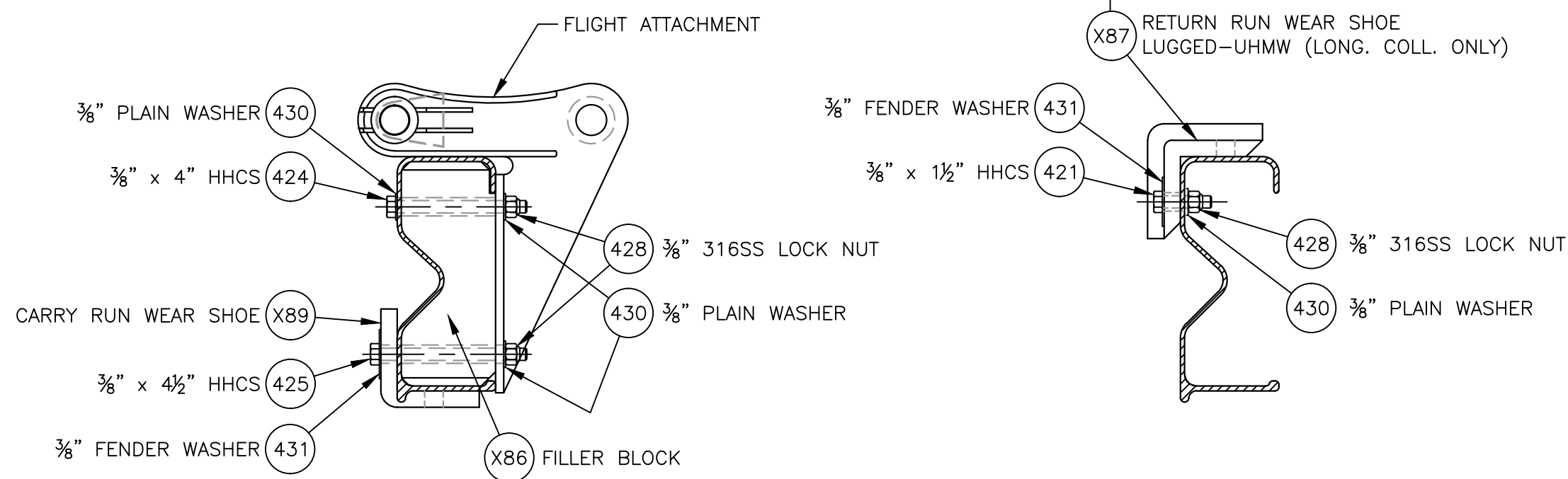
PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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 CONSTRUCTION
 PURPOSES

DIMENSIONS IN INCHES UNLESS SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		TWO (2) PLACE DEC. ±.06		THREE (3) PLACE DEC. ±.005		ANGULAR ±.50°		STRUCTURAL DIMENSIONS ± 1/16		MACHINED SURFACES 250/		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - LONG. SHAFT SECTIONS HEADSHAFT (LIVE) AND CORNERSHAFT (STATIC) FOR PRIMARY TANKS #1 THRU 8 (LONGITUDINAL)					
CHECKER HEINEN		DATE 5/30/14		ENGINEER HEINEN		DATE 5/30/14		CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL		MANAGER PIMLOTT		DATE 5/30/14		PROJECT SO# 421460		CODE 4001		DRAWING V13-2689-104		SHEET 1 OF 1		REV -	

INSTALLATION NOTE:

NON-METALLIC COMPONENT INSTALLATION REQUIRES SPECIAL CARE DURING ASSEMBLY OF HARDWARE TO PREVENT DAMAGE TO THE COMPONENTS. SEE O&M MANUAL FOR ASSEMBLY INSTRUCTIONS AND TORQUE VALUES FOR FASTENERS.

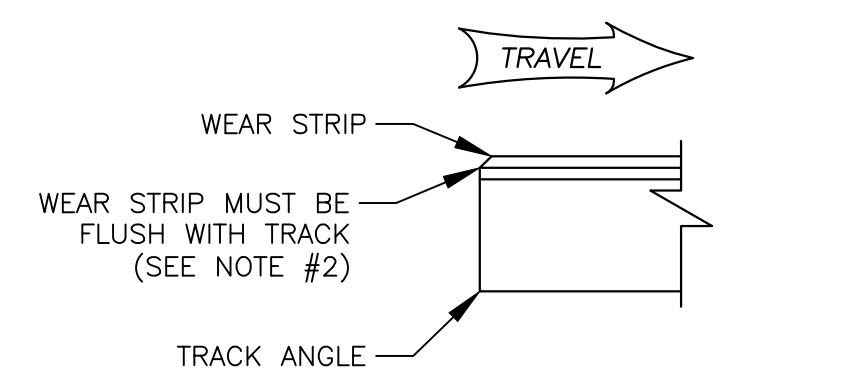


FOR APPROVAL ONLY
NOT TO BE USED FOR
CONSTRUCTION
PURPOSES

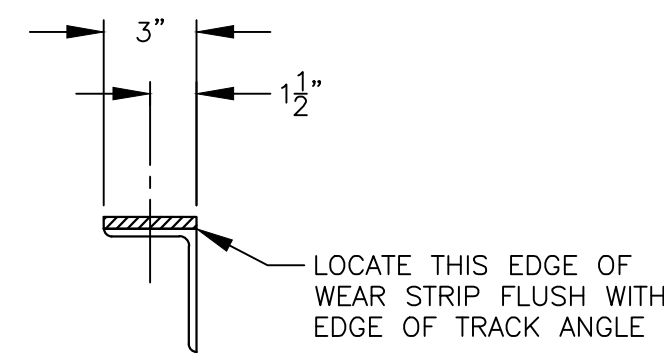
- NOTES:**
- 1) NO GROUT OR SHIMS REQUIRED BEHIND BEARINGS IF THE DISTANCE BETWEEN WALLS ARE HELD WITHIN ± 1/2". HOWEVER, IF GROUT IS REQUIRED, GROUT SHIELD PLATES ARE TO BE FURNISHED BY THE INSTALLING CONTRACTOR.
 - 2) SET COLLARS (UHMW) ARE SPLIT DESIGN.
 - 3) ANCHOR BOLT PATTERN MAY BE ROTATED IF ANCHORS INTERFERE WITH AN EXISTING ANCHORS OR WITH ANCHORS FROM OPPOSITE SIDE OF WALL.

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

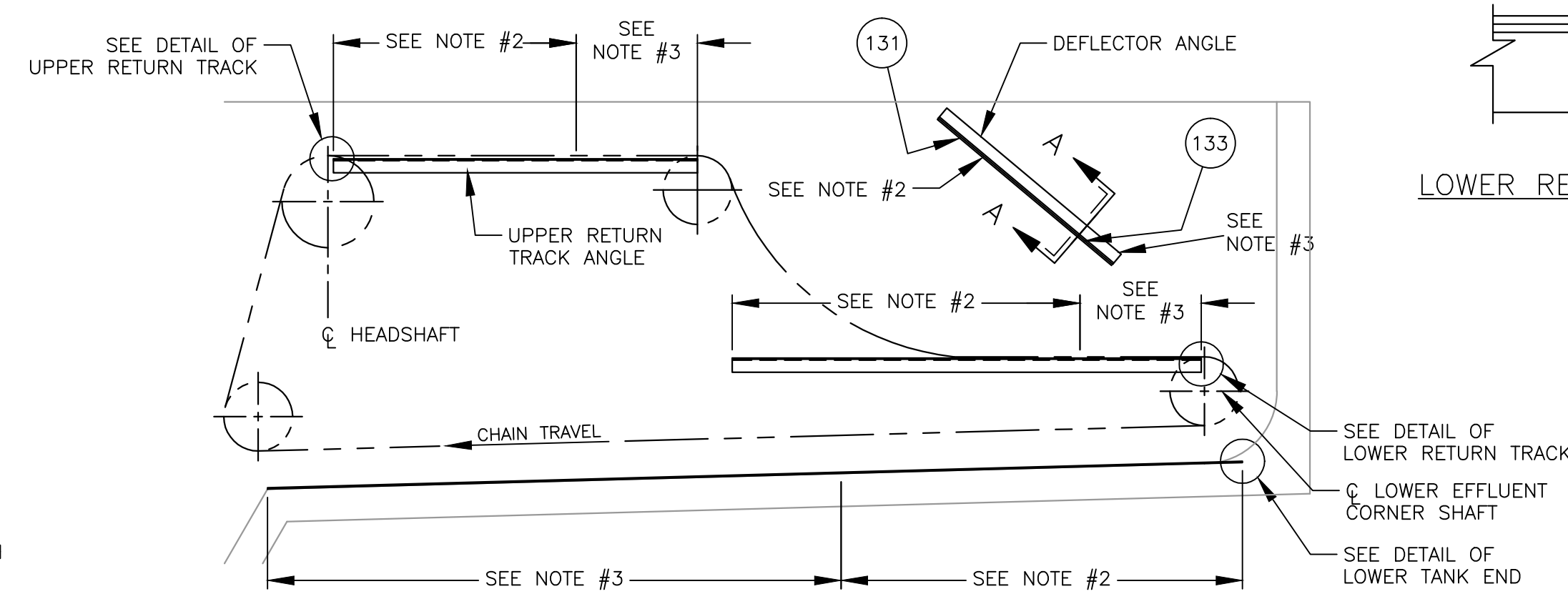
DIMENSIONS IN INCHES UNLESS SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		TWO (2) PLACE DEC. ±.06		THREE (3) PLACE DEC. ±.005		ANGULAR ±.50°		STRUCTURAL DIMENSIONS ± 1/16		MACHINED SURFACES 250/		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED, AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN DATE 5/30/14		CHECKER DATE 5/30/14		ENGINEER DATE 5/30/14		MANAGER PIMLOTT DATE 5/30/14		FILE: NEW SCALE: AS NOTED		TITLE GENERAL ARRANGEMENT - LONG INSTALLATION DETAILS FOR LONGITUDINAL CHAIN & SCRAPER SLUDGE COLLECTORS (REPL COMPONENT PROJECT)		CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL		PROJECT SO# 421460		CODE 4001		DRAWING V13-2689-105		SHEET 1 OF 1		REV -	
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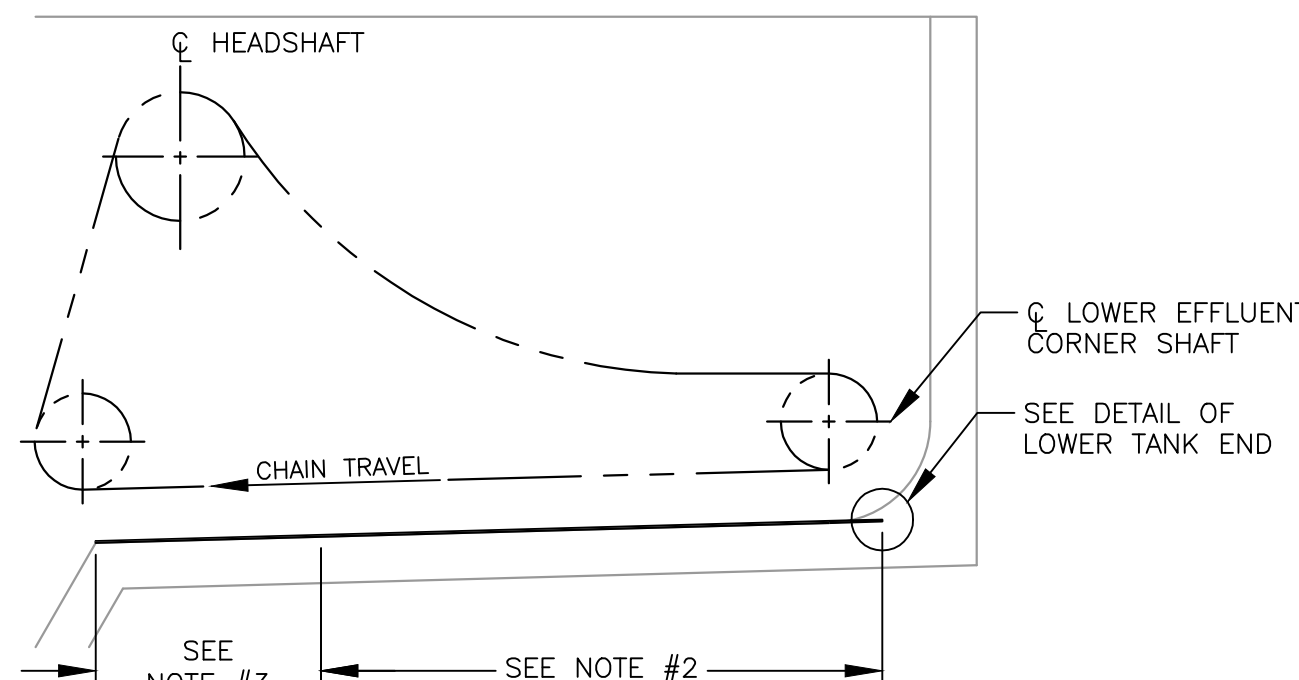
UPPER RETURN TRACK



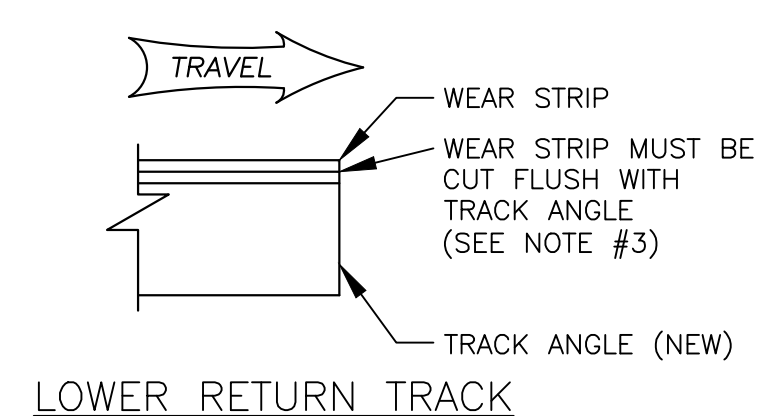
WEAR STRIP LOCATION WITH TRACK ANGLE



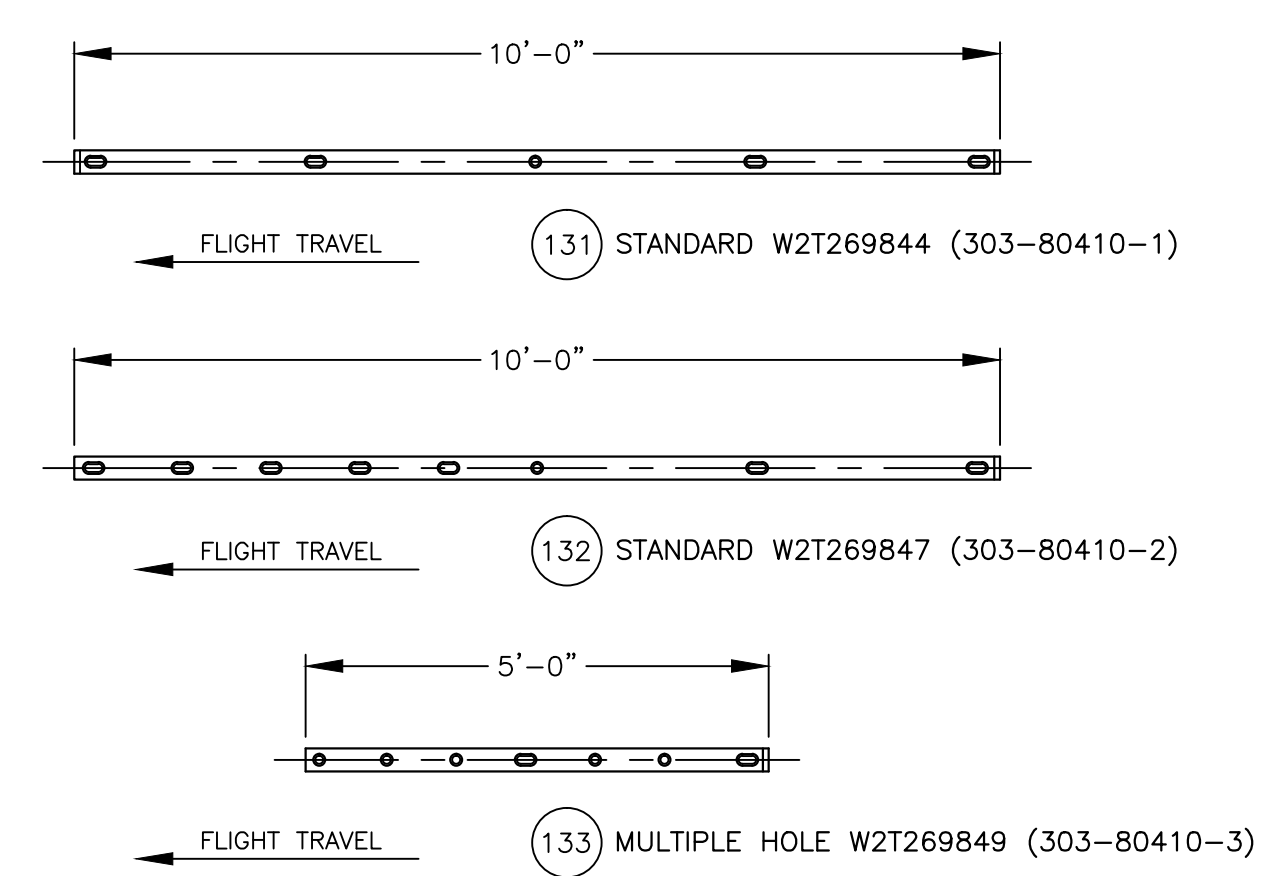
LONGITUDINAL COLLECTOR



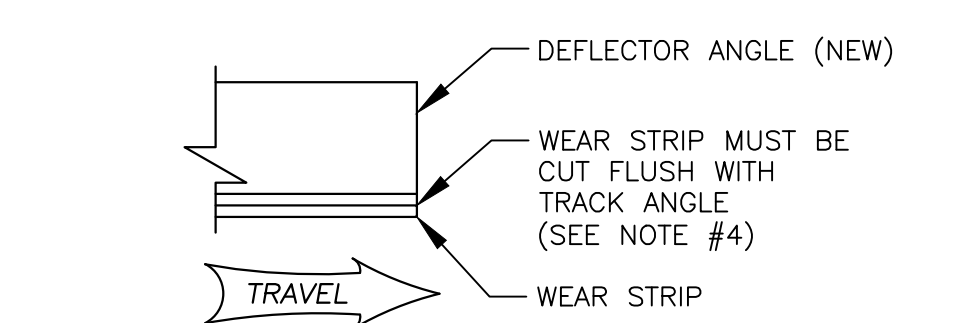
CROSS COLLECTOR



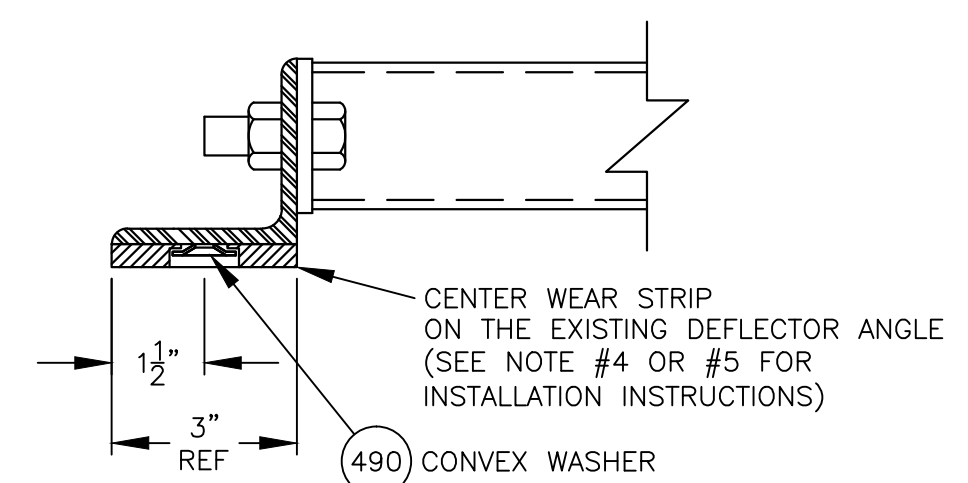
LOWER RETURN TRACK



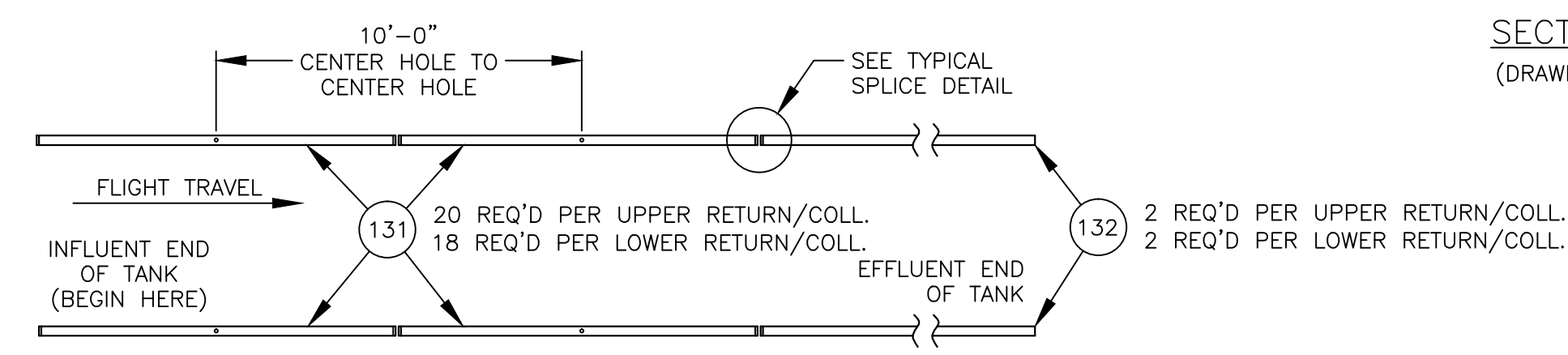
TYPICAL WEAR STRIP DETAILS



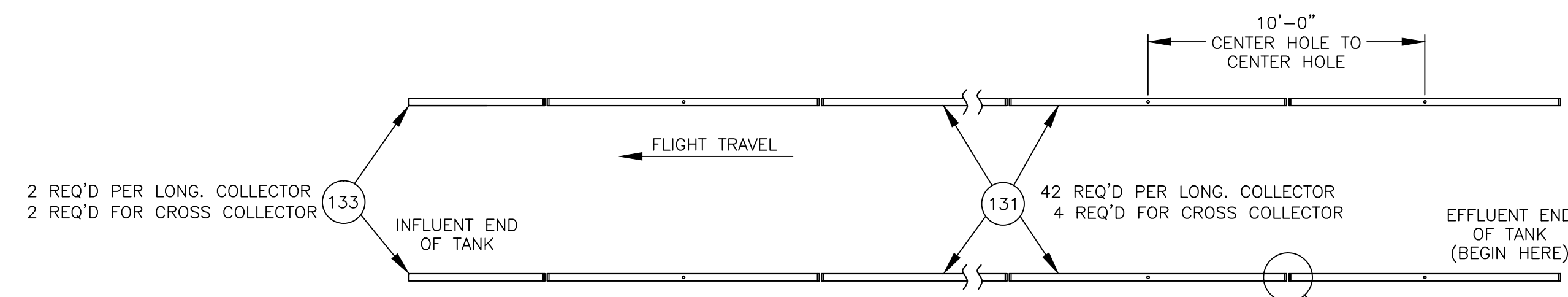
DEFLECTOR ANGLE



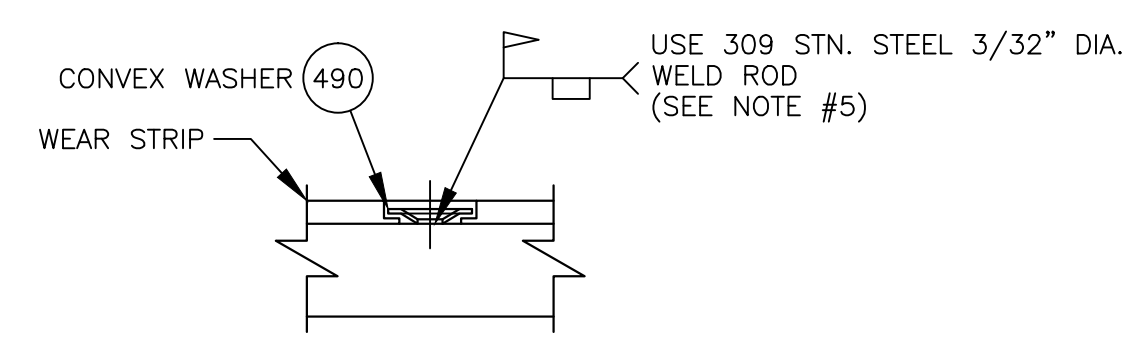
SECTION A-A (DRAWN 2x SCALE)



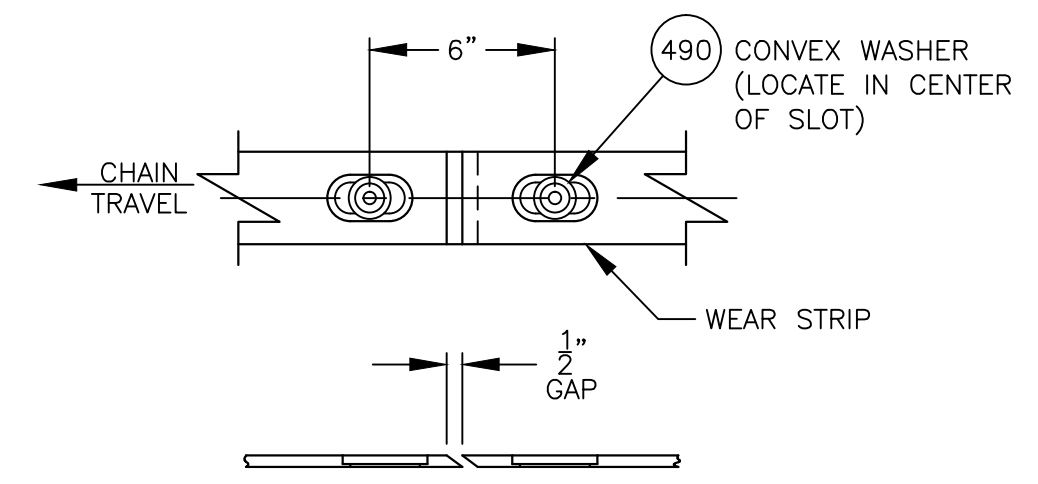
PLAN VIEW FOR RETURN TRACK (UPPER & LOWER) WEAR STRIP INSTALLATION



PLAN VIEW FOR TANK FLOOR WEAR STRIP INSTALLATION

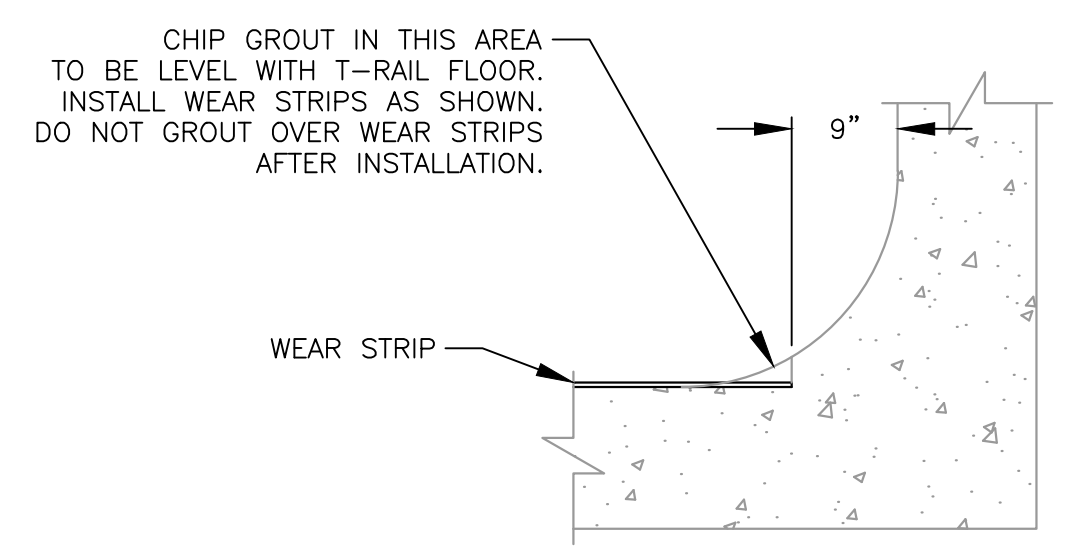


TYPICAL WELDED MOUNTING



NOTE: THIS DIMENSION IS FOR REFERENCE ONLY. WEAR STRIPS TO BE SPACED AT 10'-0" CENTER HOLE TO CENTER HOLE. IF THE LAST SECTION IN A GIVEN ROW IS 5'-0" OR LESS, INSTALL THAT SECTION WITH A 1/2" GAP TO THE PREVIOUSLY INSTALLED, ADJACENT WEAR STRIPS SHOWN IN THE VIEW ABOVE.

TYPICAL SPLICE BETWEEN WEAR STRIPS



LOWER TANK END WEAR STRIP LOCATION (SEE NOTE #1)

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

TYPICAL WEAR STRIP INSTALLATION INSTRUCTIONS

- FASTEN WEAR STRIPS WITH CONVEX WASHERS & HARDWARE TO NEW RETURN TRACK ANGLES (SEE "TYPICAL WELDED MOUNTING").
FOR THE LONGITUDINAL & CROSS COLLECTOR TANK FLOOR, SEE "TYPICAL WELD MOUNTING"
- INSTALL (5) HOLE WEAR STRIPS W2T269844 (10'-0" LG SECTION) AS FOLLOWS:

NOTE FLIGHT TRAVEL SHOWN ON THE "TYPICAL WEAR STRIP DETAILS". ALL BEVELLED WEAR STRIP ENDS ARE TO BE INSTALLED IN A DIRECTION TO PROVIDE A RAMP-UP OR LEAD-IN FOR THE FLIGHT WEAR SHOES.

FOR THE RETURN TRACK ANGLES, BEGIN AT THE HEADSHAFT END OF THE TANK AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

FOR THE DEFLECTOR ANGLES, BEGIN AT THE HEADSHAFT END OF THE ANGLE AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

FOR THE TANK FLOOR, BEGIN AT THE EFFLUENT CORNER SHAFT END OF THE TANK AND WORK TOWARD THE HEADSHAFT END OF TANK.

THE CENTER ANCHOR HOLES IN EACH (5) HOLE WEAR STRIP ARE TO BE LOCATED AT 10'-0" SPACINGS, REGARDLESS OF AMBIENT TEMPERATURE (SEE PLAN VIEWS).
- MULTIPLE HOLE WEAR STRIPS W2T269847 (10'-0" LG SECTION) OR W2T269849 (5'-0" LG SECTION) ARE TO BE FIELD CUT TO REQUIRED LENGTH AND INSTALLED WITH A CONVEX WASHER IN ALL SLOTS, BUT ONLY ONE OF THE HOLES. THE 5'-0" SECTION IS TYPICALLY THE LAST INSTALLED IN A ROW.

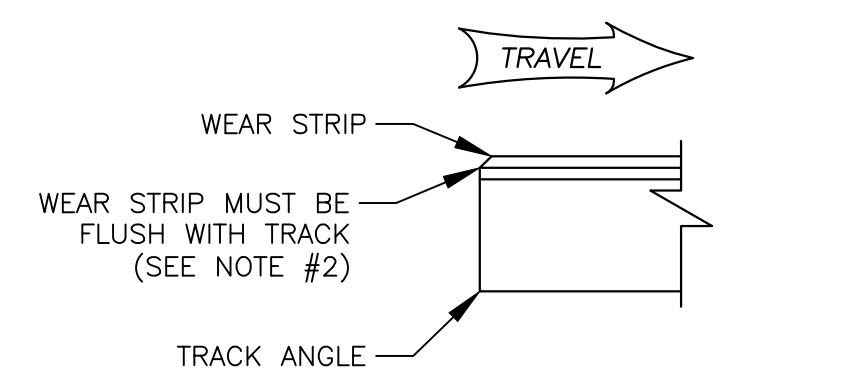
IF A W2T269847 (10'-0" LG SECTION) IS USED, FOLLOW THE PREVIOUSLY OUTLINED SPACING METHOD, SPACING THE CENTER HOLES IN THE WEAR STRIPS 10'-0" APART, TRIMMING THE LENGTH AS REQUIRED. IF A W2T269849 (5'-0" LG SECTION) IS USED, INSTALL IT SUCH THAT THERE IS A 1/2" GAP BETWEEN IT AND THE LAST ADJACENT WEAR STRIP SECTION, ALSO TRIMMING THE LENGTH AS REQUIRED. (SEE "TYPICAL SPLICE BETWEEN WEAR STRIPS" DETAIL).
- DEFLECTOR ANGLE; INSTALL W2T269844 (10'-0" SECTION) ON THE ANGLE AS SHOWN. THE DEFLECTOR ANGLE IS APPROX. 13'-0" LONG, FINISH WITH A W2T269849 (5'-0" LG SECTION), INSTALLING AND SPACING THEM AS DESCRIBED IN BOTH NOTE #2 AND #3.
- OPTIONAL WELDED FASTENING METHOD OF WEAR STRIPS TO METALLIC DEFLECTOR ANGLE: FOLLOW NOTE #4A THEN CLAMP WEAR STRIP, MARK CONVEX WASHER LOCATIONS, REMOVE WEAR STRIP AND GRIND PAINT OFF AREAS WHERE CONVEX WASHERS WILL BE PLUG WELDED.

CLAMP THE WEAR STRIPS IN PLACE AND PLUG WELD THE CONVEX WASHERS (SEE "TYPICAL WELDED MOUNTING" DETAIL). THIS PROCEDURE IS ALSO COVERED IN THE O&M MANUAL.

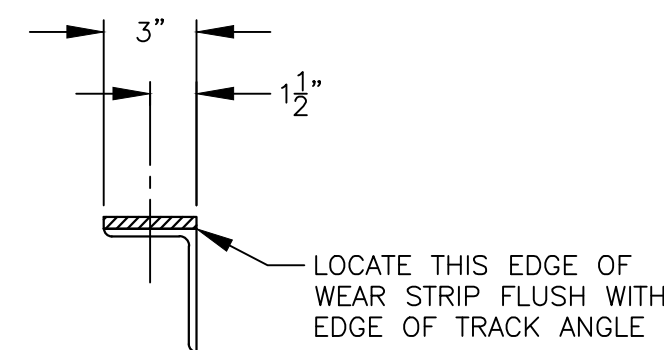
CONTRACTOR NOTE:
THE SUBSURFACE THAT THE WEAR STRIP(S) WILL BE ATTACHED TO MUST BE IN "SOUND" OR "AS NEW" CONDITION.

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CONSTRUCTION
PURPOSES

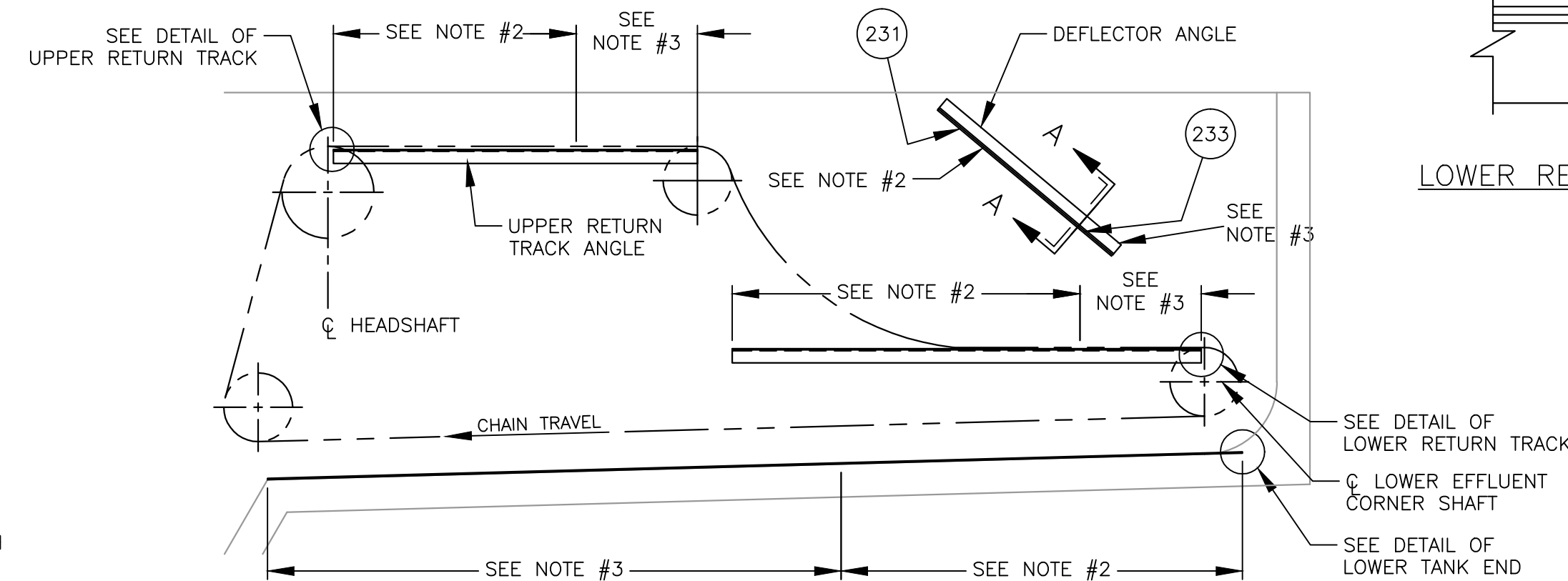
DIMENSIONS IN INCHES UNLESS SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		TWO (2) PLACE DEC. ±.06		THREE (3) PLACE DEC. ±.005		ANGULAR ±.50°		STRUCTURAL DIMENSIONS ± 1/16		MACHINED SURFACES 250/		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY ISSUED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION FOR TANKS #1-2 + CROSS CSSC (REPLACEMENT OF EXISTING)	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL	WATER TECHNOLOGIES WAUKESHA, WI 262-547-0141		PROJECT SO# 421460	CODE 4001	DRAWING V13-2689-106	SHEET 1 OF 3	REV -
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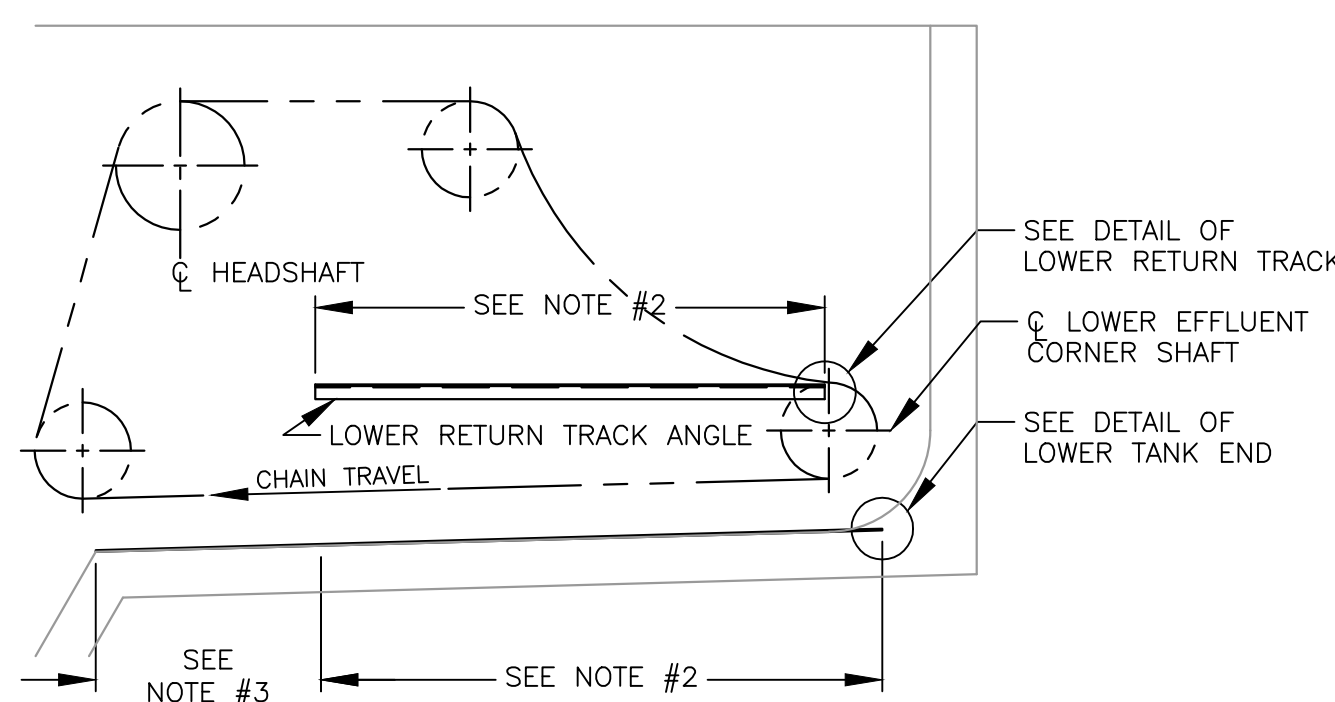
UPPER RETURN TRACK



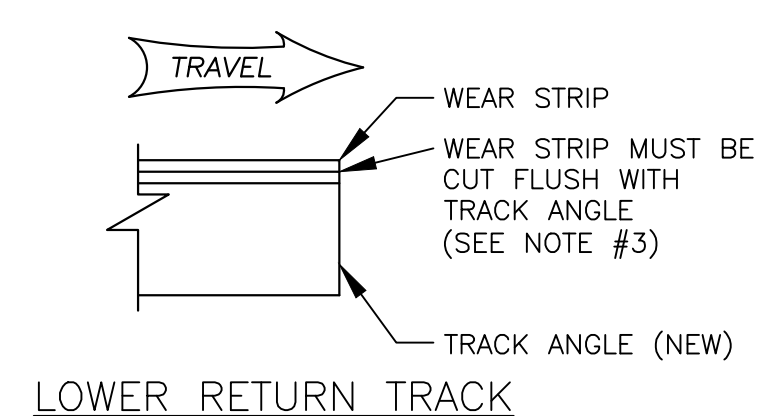
WEAR STRIP LOCATION WITH TRACK ANGLE



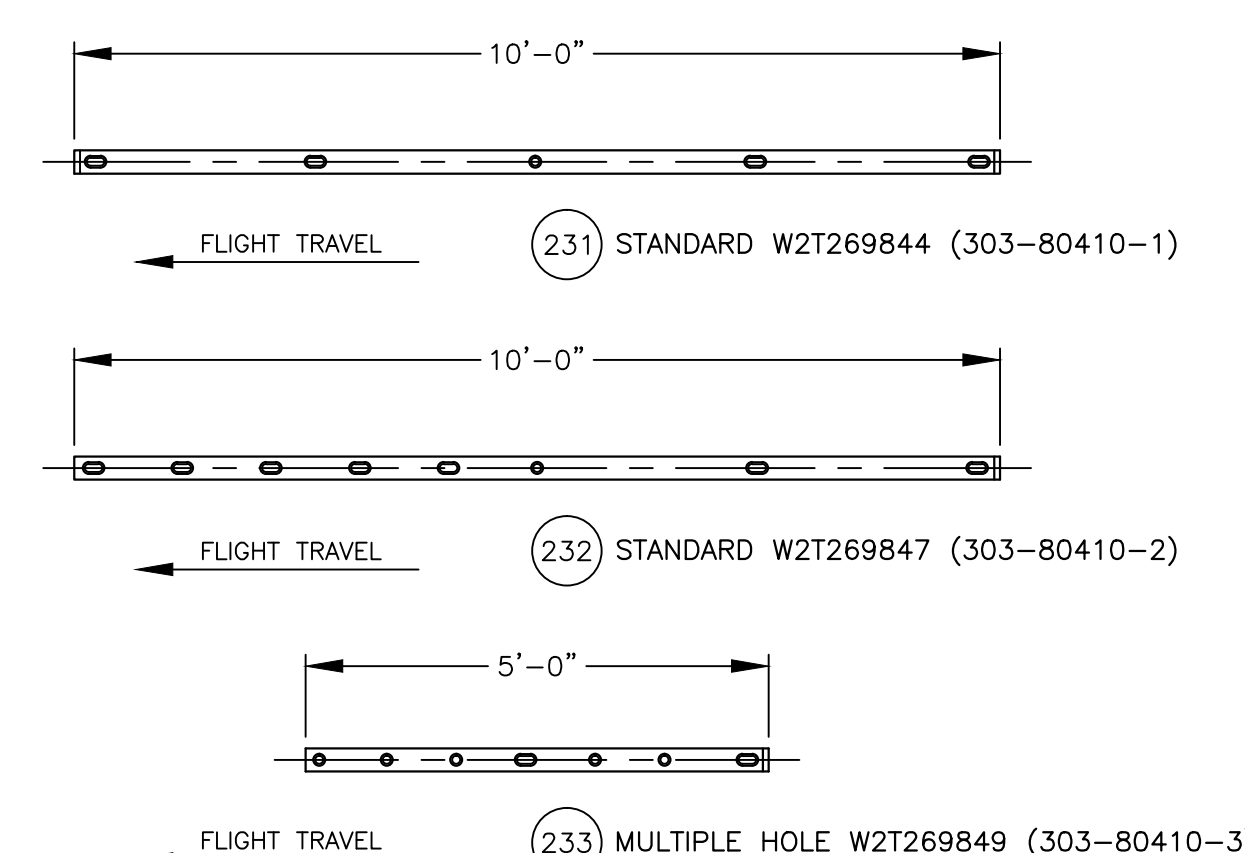
LONGITUDINAL COLLECTOR



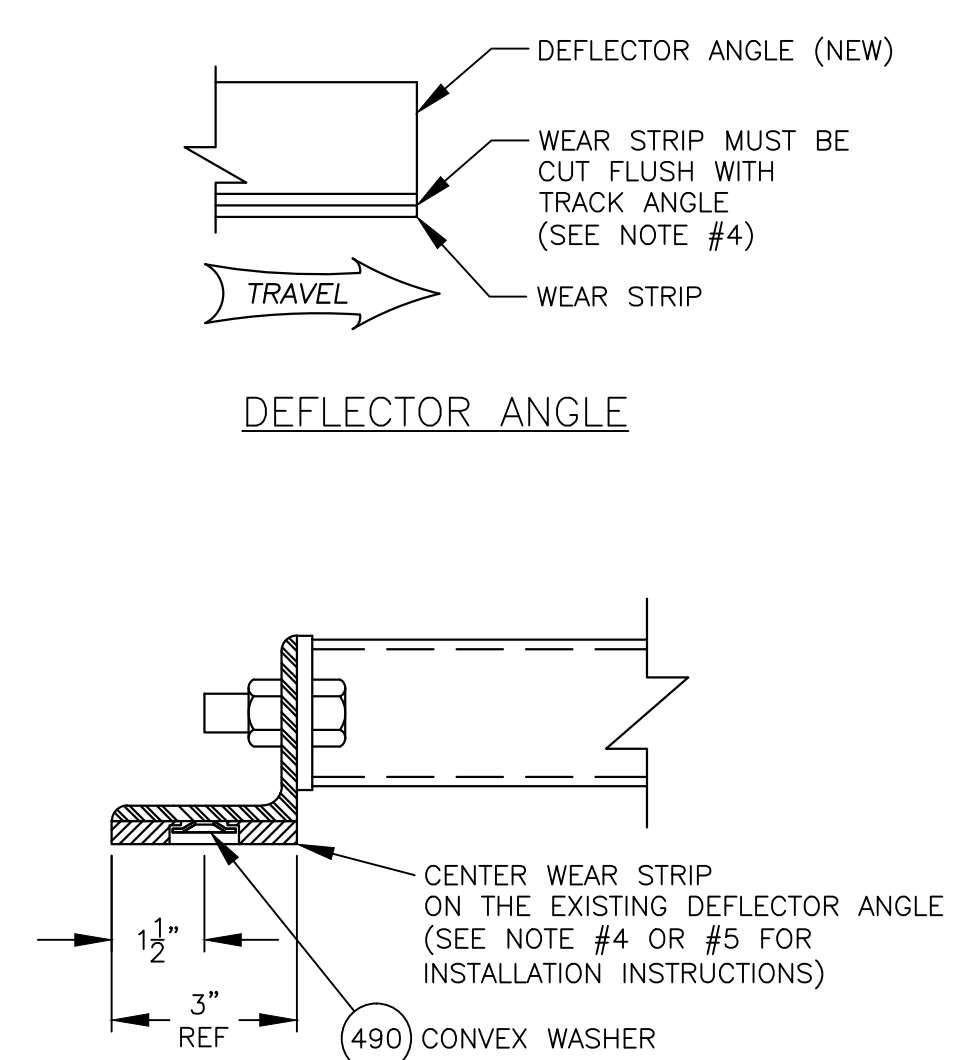
CROSS COLLECTOR



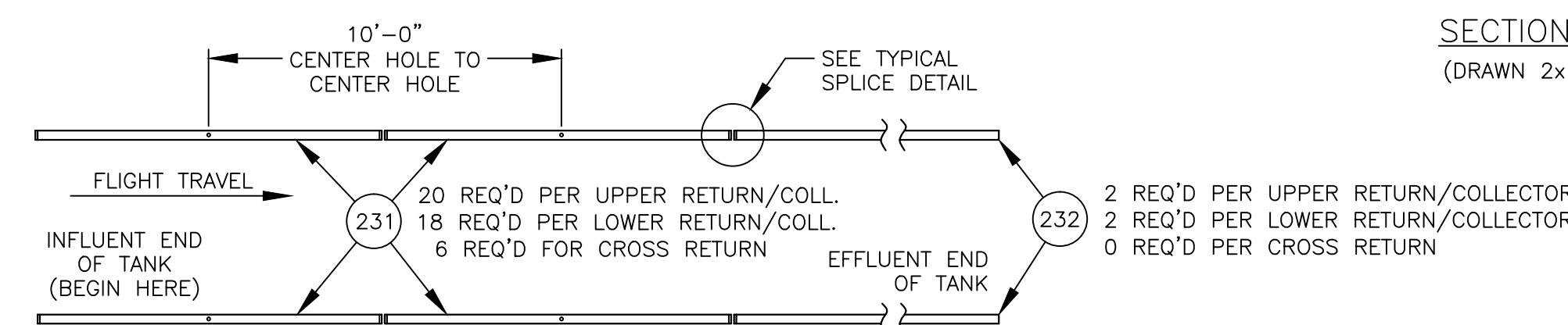
LOWER RETURN TRACK



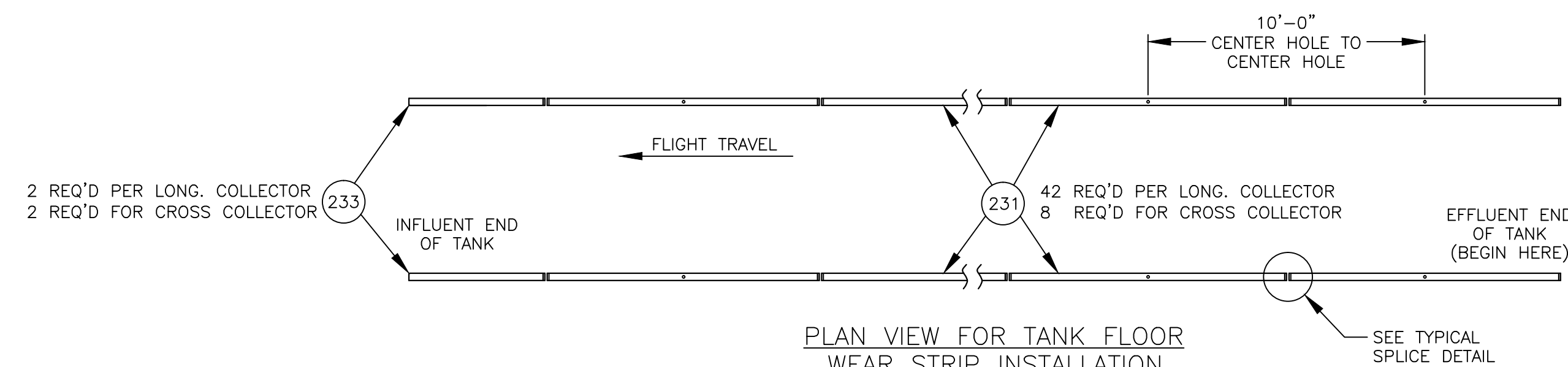
TYPICAL WEAR STRIP DETAILS



SECTION A-A (DRAWN 2x SCALE)



PLAN VIEW FOR RETURN TRACK (UPPER, LOWER & CROSS) WEAR STRIP INSTALLATION



PLAN VIEW FOR TANK FLOOR WEAR STRIP INSTALLATION

TYPICAL WEAR STRIP INSTALLATION INSTRUCTIONS

- FASTEN WEAR STRIPS WITH CONVEX WASHERS & HARDWARE TO NEW RETURN TRACK ANGLES (SEE "TYPICAL WELDED MOUNTING").
FOR THE LONGITUDINAL & CROSS COLLECTOR TANK FLOOR, SEE "TYPICAL WELD MOUNTING"
- INSTALL (5) HOLE WEAR STRIPS W2T269844 (10'-0" LG SECTION) AS FOLLOWS:

NOTE FLIGHT TRAVEL SHOWN ON THE "TYPICAL WEAR STRIP DETAILS". ALL BEVELLED WEAR STRIP ENDS ARE TO BE INSTALLED IN A DIRECTION TO PROVIDE A RAMP-UP OR LEAD-IN FOR THE FLIGHT WEAR SHOES.

FOR THE RETURN TRACK ANGLES, BEGIN AT THE HEADSHAFT END OF THE TANK AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

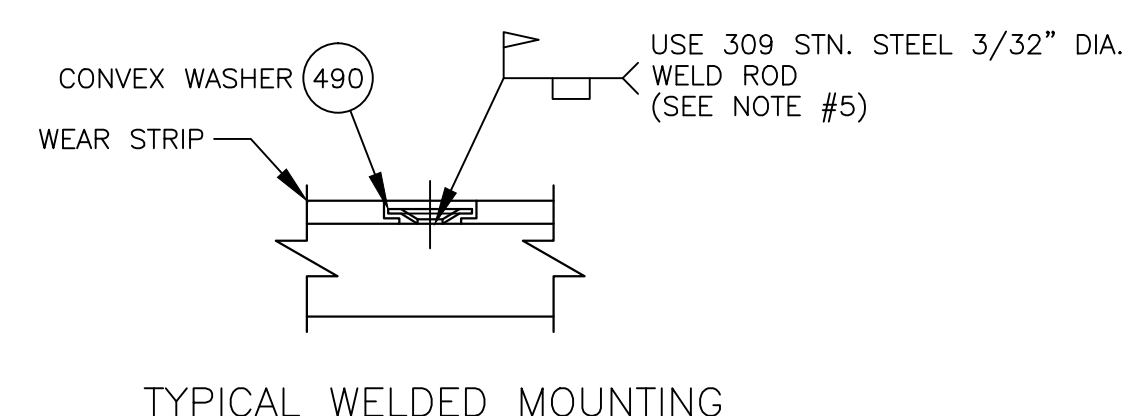
FOR THE DEFLECTOR ANGLES, BEGIN AT THE HEADSHAFT END OF THE ANGLE AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

FOR THE TANK FLOOR, BEGIN AT THE EFFLUENT CORNER SHAFT END OF THE TANK AND WORK TOWARD THE HEADSHAFT END OF TANK.

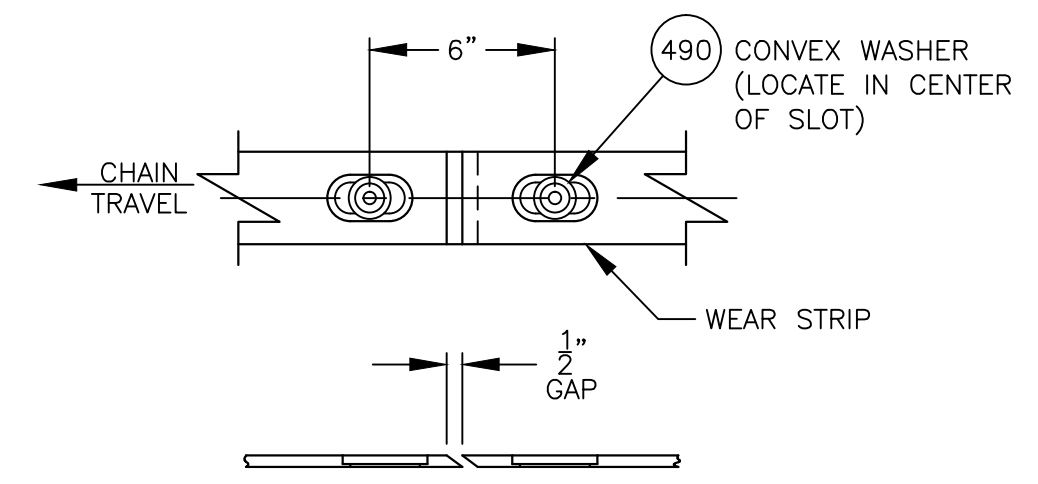
THE CENTER ANCHOR HOLES IN EACH (5) HOLE WEAR STRIP ARE TO BE LOCATED AT 10'-0" SPACINGS, REGARDLESS OF AMBIENT TEMPERATURE (SEE PLAN VIEWS).
- MULTIPLE HOLE WEAR STRIPS W2T269847 (10'-0" LG SECTION) OR W2T269849 (5'-0" LG SECTION) ARE TO BE FIELD CUT TO REQUIRED LENGTH AND INSTALLED WITH A CONVEX WASHER IN ALL SLOTS, BUT ONLY ONE OF THE HOLES. THE 5'-0" SECTION IS TYPICALLY THE LAST INSTALLED IN A ROW.

IF A W2T269847 (10'-0" LG SECTION) IS USED, FOLLOW THE PREVIOUSLY OUTLINED SPACING METHOD, SPACING THE CENTER HOLES IN THE WEAR STRIPS 10'-0" APART, TRIMMING THE LENGTH AS REQUIRED. IF A W2T269849 (5'-0" LG SECTION) IS USED, INSTALL IT SUCH THAT THERE IS A 1/2" GAP BETWEEN IT AND THE LAST ADJACENT WEAR STRIP SECTION, ALSO TRIMMING THE LENGTH AS REQUIRED. (SEE "TYPICAL SPLICE BETWEEN WEAR STRIPS" DETAIL).
- DEFLECTOR ANGLE; INSTALL W2T269844 (10'-0" SECTION) ON THE ANGLE AS SHOWN. THE DEFLECTOR ANGLE IS APPROX. 13'-0" LONG, FINISH WITH A W2T269849 (5'-0" LG SECTION), INSTALLING AND SPACING THEM AS DESCRIBED IN BOTH NOTE #2 AND #3.
- OPTIONAL WELDED FASTENING METHOD OF WEAR STRIPS TO METALLIC DEFLECTOR ANGLE: FOLLOW NOTE #4A THEN CLAMP WEAR STRIP, MARK CONVEX WASHER LOCATIONS, REMOVE WEAR STRIP AND GRIND PAINT OFF AREAS WHERE CONVEX WASHERS WILL BE PLUG WELDED.

CLAMP THE WEAR STRIPS IN PLACE AND PLUG WELD THE CONVEX WASHERS (SEE "TYPICAL WELDED MOUNTING" DETAIL). THIS PROCEDURE IS ALSO COVERED IN THE O&M MANUAL.

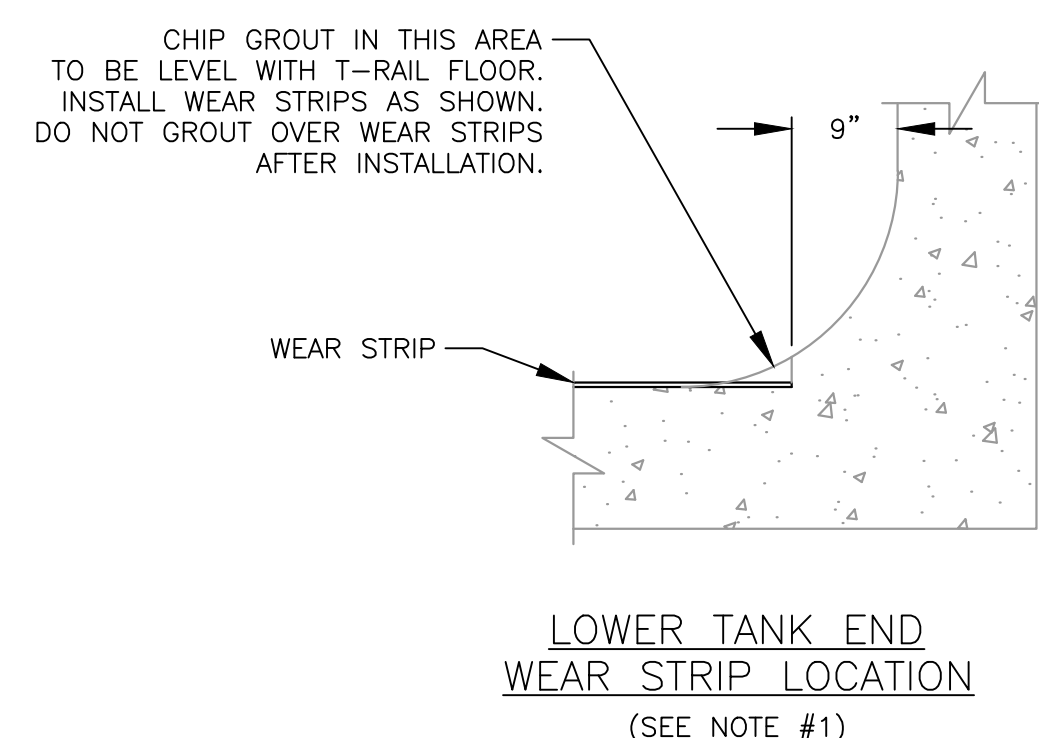


TYPICAL WELDED MOUNTING



NOTE: THIS DIMENSION IS FOR REFERENCE ONLY. WEAR STRIPS TO BE SPACED AT 10'-0" CENTER HOLE TO CENTER HOLE. IF THE LAST SECTION IN A GIVEN ROW IS 5'-0" OR LESS, INSTALL THAT SECTION WITH A 1/2" GAP TO THE PREVIOUSLY INSTALLED, ADJACENT WEAR STRIPS SHOWN IN THE VIEW ABOVE.

TYPICAL SPLICE BETWEEN WEAR STRIPS



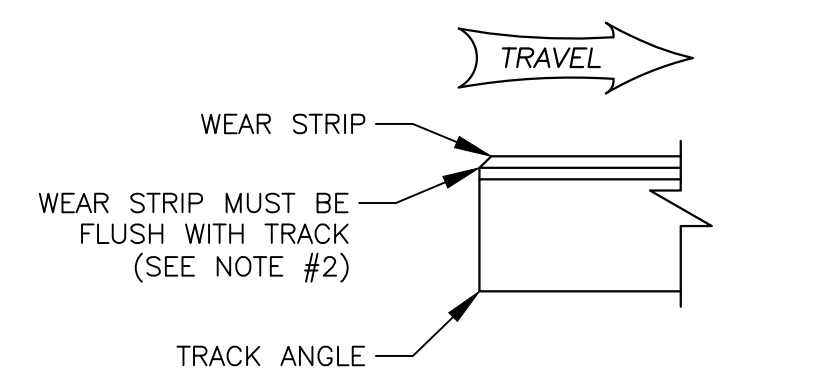
LOWER TANK END WEAR STRIP LOCATION (SEE NOTE #1)

CONTRACTOR NOTE:
THE SUBSURFACE THAT THE WEAR STRIP(S) WILL BE ATTACHED TO MUST BE IN "SOUND" OR "AS NEW" CONDITION.

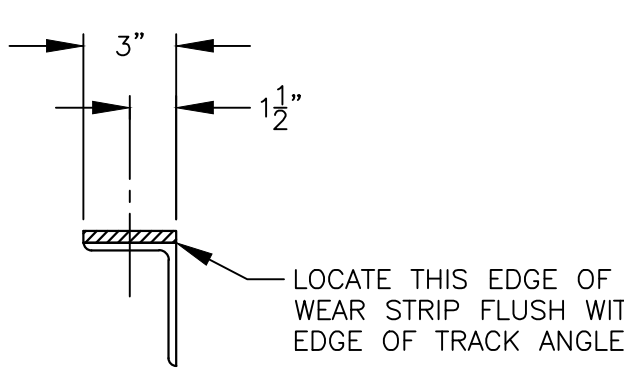
PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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PURPOSES

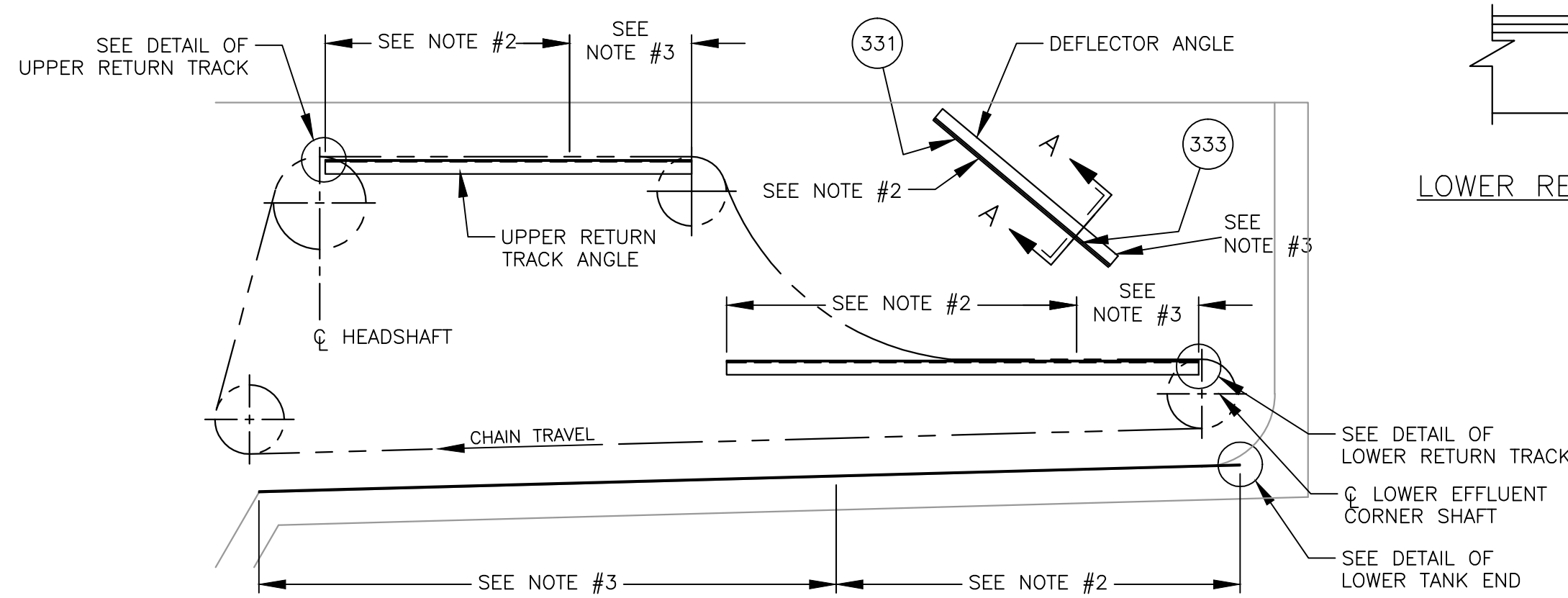
DIMENSIONS IN INCHES UNLESS SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		TWO (2) PLACE DEC. ±.06		THREE (3) PLACE DEC. ±.005		ANGULAR ±.50°		STRUCTURAL DIMENSIONS ± 1/16		MACHINED SURFACES 250/		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION FOR TANKS #3-5 + CROSS CSSC (REPLACEMENT OF EXISTING)	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL	MANAGER PIMLOTT	DATE 5/30/14	PROJECT SO# 421460	CODE 4001	DRAWING V13-2689-106	SHEET 2 OF 3	REV -
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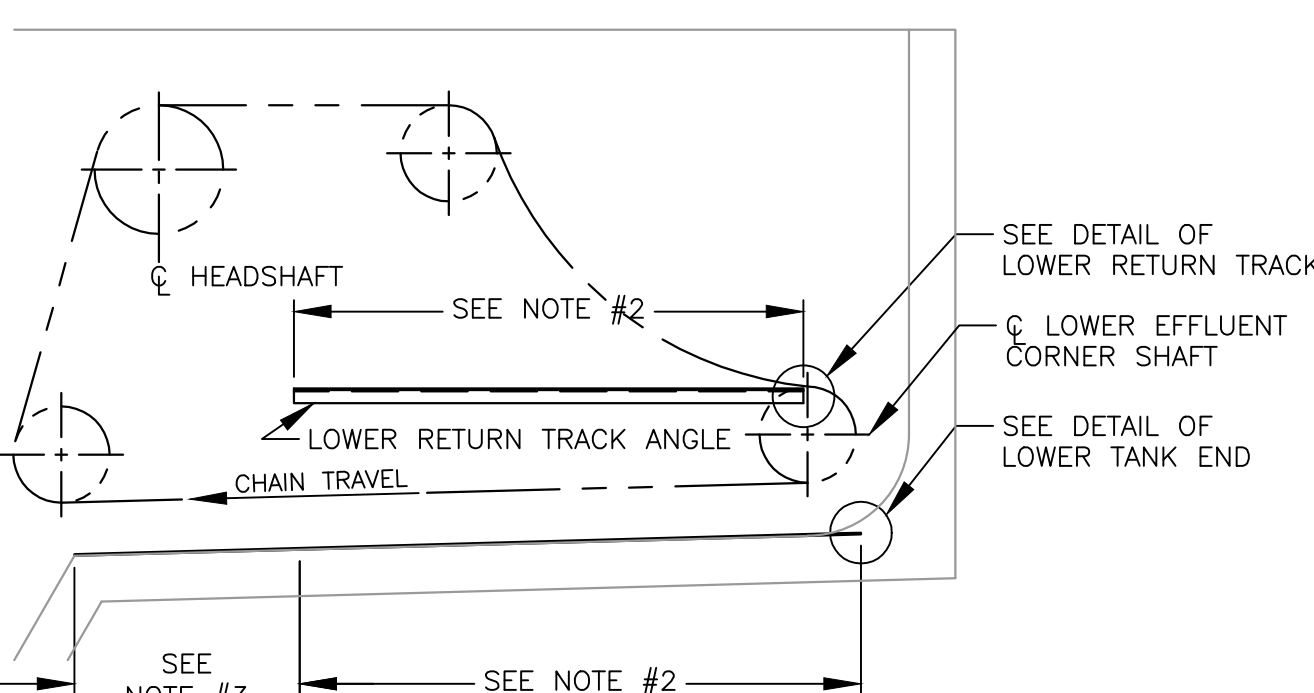
UPPER RETURN TRACK



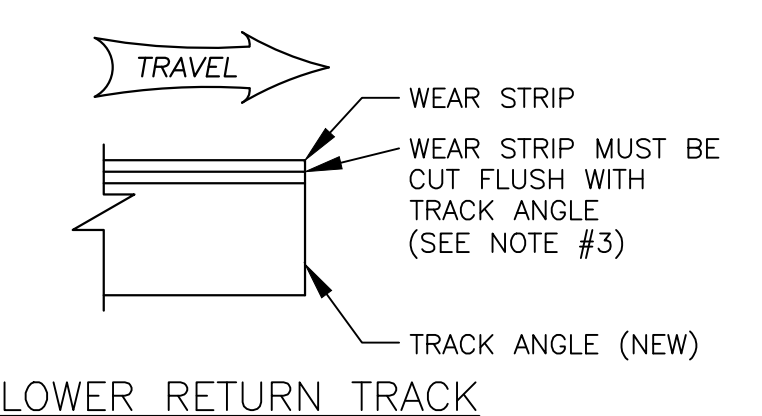
WEAR STRIP LOCATION WITH TRACK ANGLE



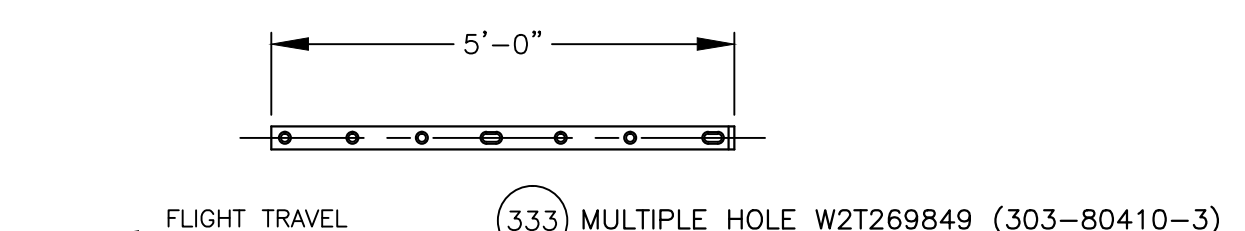
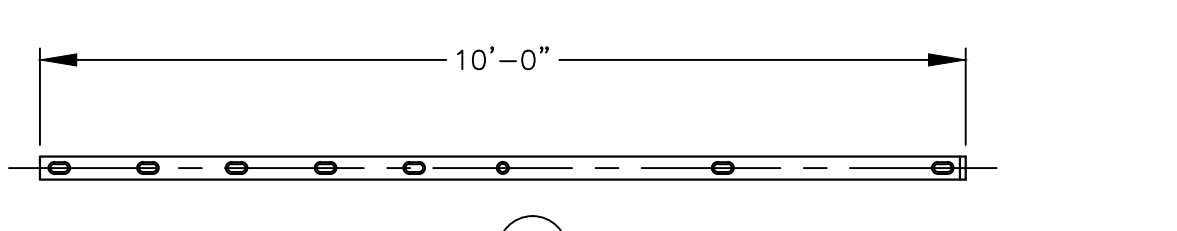
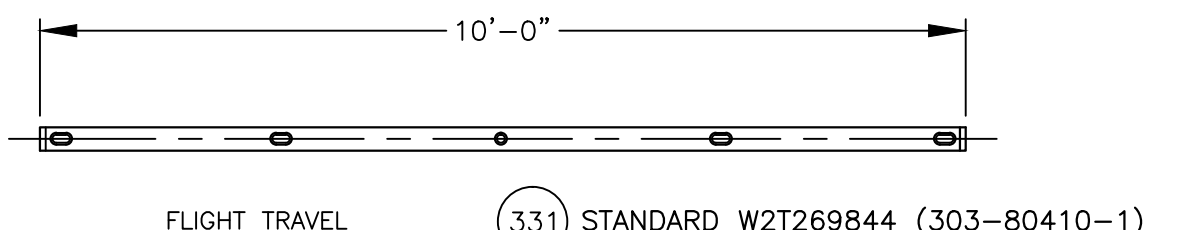
LONGITUDINAL COLLECTOR



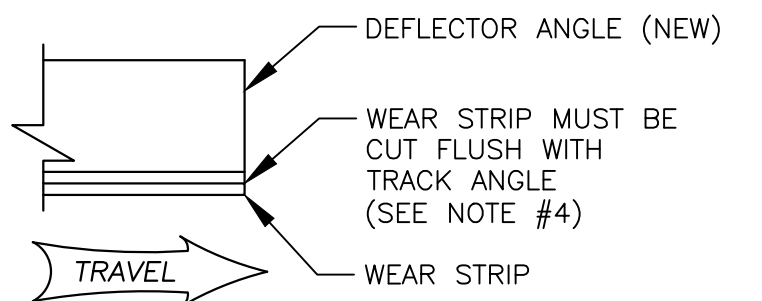
CROSS COLLECTOR



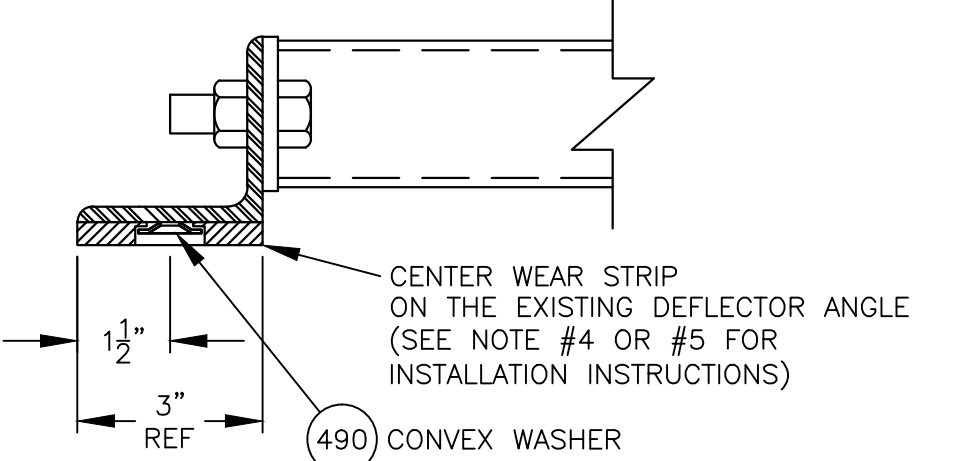
LOWER RETURN TRACK



TYPICAL WEAR STRIP DETAILS



DEFLECTOR ANGLE



SECTION A-A (DRAWN 2x SCALE)

TYPICAL WEAR STRIP INSTALLATION INSTRUCTIONS

- FASTEN WEAR STRIPS WITH CONVEX WASHERS & HARDWARE TO NEW RETURN TRACK ANGLES (SEE "TYPICAL WELDED MOUNTING").

FOR THE LONGITUDINAL & CROSS COLLECTOR TANK FLOOR, SEE "TYPICAL WELD MOUNTING"

- INSTALL (5) HOLE WEAR STRIPS W2T269844 (10'-0" LG SECTION) AS FOLLOWS:

NOTE FLIGHT TRAVEL SHOWN ON THE "TYPICAL WEAR STRIP DETAILS". ALL BEVELLED WEAR STRIP ENDS ARE TO BE INSTALLED IN A DIRECTION TO PROVIDE A RAMP-UP OR LEAD-IN FOR THE FLIGHT WEAR SHOES.

FOR THE RETURN TRACK ANGLES, BEGIN AT THE HEADSHAFT END OF THE TANK AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

FOR THE DEFLECTOR ANGLES, BEGIN AT THE HEADSHAFT END OF THE ANGLE AND WORK TOWARD THE EFFLUENT CORNER SHAFT END.

FOR THE TANK FLOOR, BEGIN AT THE EFFLUENT CORNER SHAFT END OF THE TANK AND WORK TOWARD THE HEADSHAFT END OF TANK.

THE CENTER ANCHOR HOLES IN EACH (5) HOLE WEAR STRIP ARE TO BE LOCATED AT 10'-0" SPACINGS, REGARDLESS OF AMBIENT TEMPERATURE (SEE PLAN VIEWS).

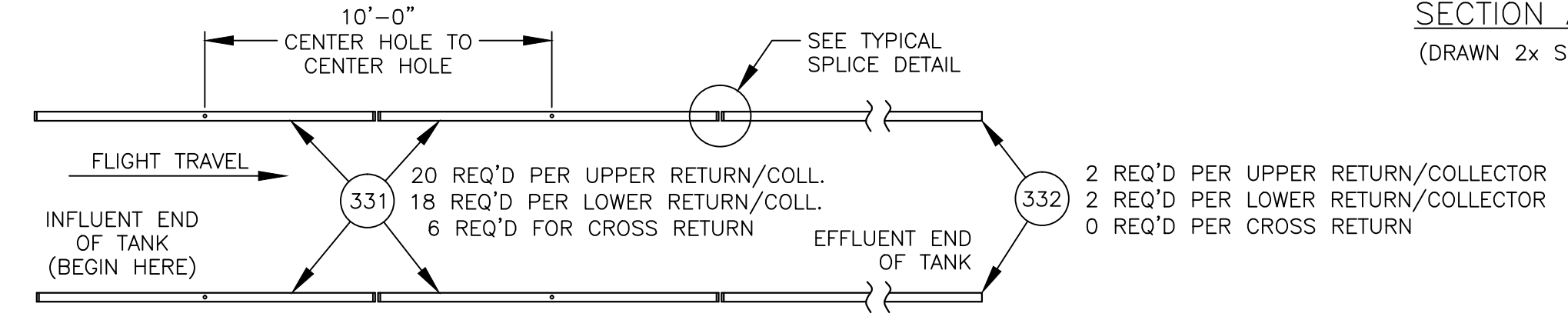
- MULTIPLE HOLE WEAR STRIPS W2T269847 (10'-0" LG SECTION) OR W2T269849 (5'-0" LG SECTION) ARE TO BE FIELD CUT TO REQUIRED LENGTH AND INSTALLED WITH A CONVEX WASHER IN ALL SLOTS, BUT ONLY ONE OF THE HOLES. THE 5'-0" SECTION IS TYPICALLY THE LAST INSTALLED IN A ROW.

IF A W2T269847 (10'-0" LG SECTION) IS USED, FOLLOW THE PREVIOUSLY OUTLINED SPACING METHOD, SPACING THE CENTER HOLES IN THE WEAR STRIPS 10'-0" APART, TRIMMING THE LENGTH AS REQUIRED. IF A W2T269849 (5'-0" LG SECTION) IS USED, INSTALL IT SUCH THAT THERE IS A 1/2" GAP BETWEEN IT AND THE LAST ADJACENT WEAR STRIP SECTION, ALSO TRIMMING THE LENGTH AS REQUIRED. (SEE "TYPICAL SPLICE BETWEEN WEAR STRIPS" DETAIL).

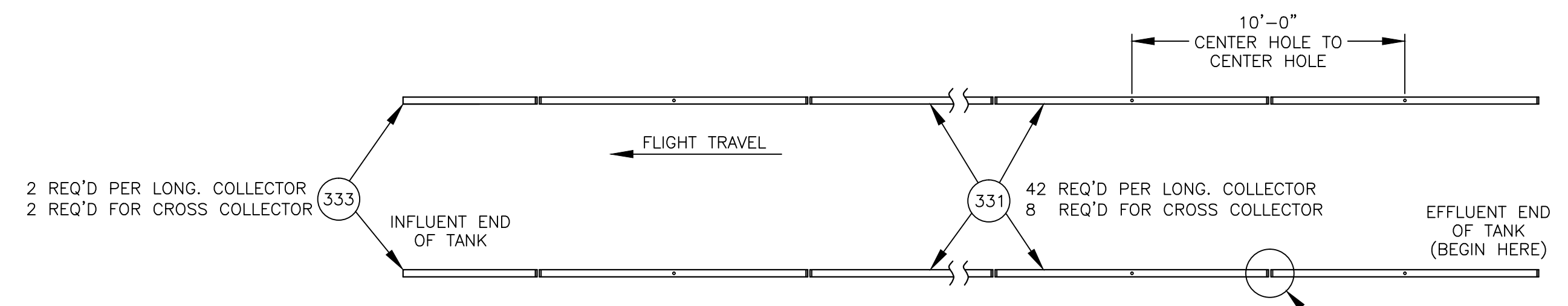
- DEFLECTOR ANGLE; INSTALL W2T269844 (10'-0" SECTION) ON THE ANGLE AS SHOWN. THE DEFLECTOR ANGLE IS APPROX. 13'-0" LONG, FINISH WITH A W2T269849 (5'-0" LG SECTION), INSTALLING AND SPACING THEM AS DESCRIBED IN BOTH NOTE #2 AND #3.

- OPTIONAL WELDED FASTENING METHOD OF WEAR STRIPS TO METALLIC DEFLECTOR ANGLE: FOLLOW NOTE #4A THEN CLAMP WEAR STRIP, MARK CONVEX WASHER LOCATIONS, REMOVE WEAR STRIP AND GRIND PAINT OFF AREAS WHERE CONVEX WASHERS WILL BE PLUG WELDED.

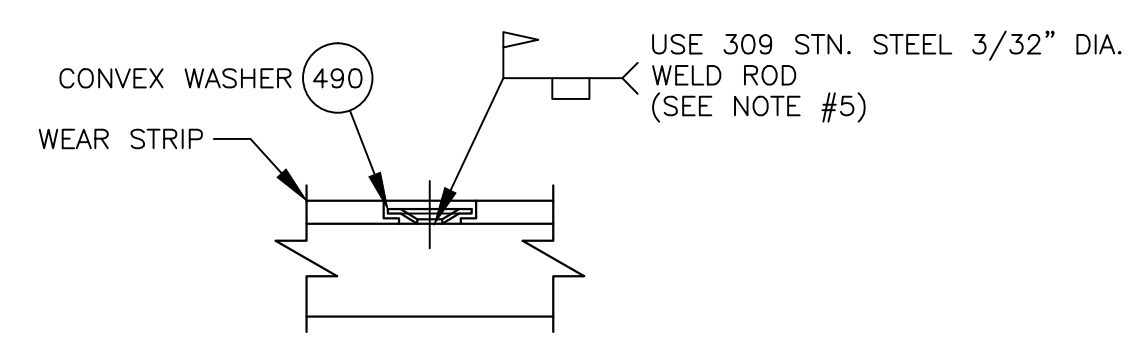
CLAMP THE WEAR STRIPS IN PLACE AND PLUG WELD THE CONVEX WASHERS (SEE "TYPICAL WELDED MOUNTING" DETAIL). THIS PROCEDURE IS ALSO COVERED IN THE O&M MANUAL.



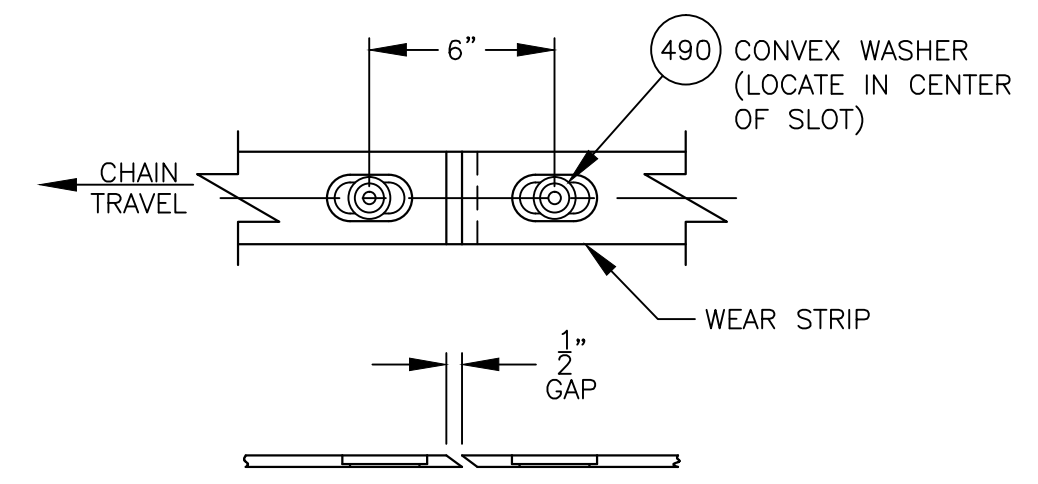
PLAN VIEW FOR RETURN TRACK (UPPER, LOWER & CROSS) WEAR STRIP INSTALLATION



PLAN VIEW FOR TANK FLOOR WEAR STRIP INSTALLATION

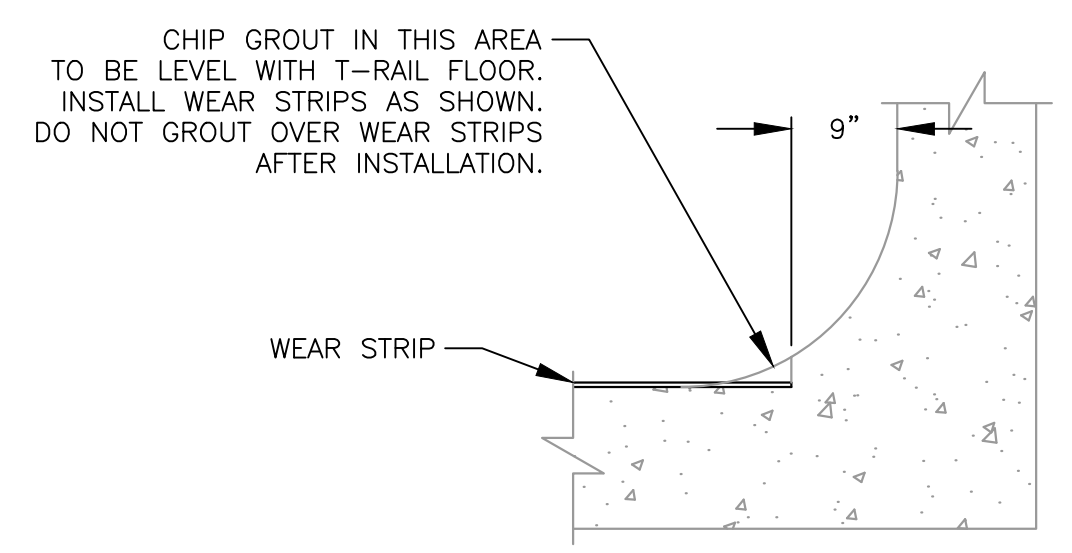


TYPICAL WELDED MOUNTING



NOTE: THIS DIMENSION IS FOR REFERENCE ONLY. WEAR STRIPS TO BE SPACED AT 10'-0" CENTER HOLE TO CENTER HOLE. IF THE LAST SECTION IN A GIVEN ROW IS 5'-0" OR LESS, INSTALL THAT SECTION WITH A 1/2" GAP TO THE PREVIOUSLY INSTALLED, ADJACENT WEAR STRIP(S) SHOWN IN THE VIEW ABOVE.

TYPICAL SPLICE BETWEEN WEAR STRIPS



LOWER TANK END WEAR STRIP LOCATION (SEE NOTE #1)

CONTRACTOR NOTE:
THE SUBSURFACE THAT THE WEAR STRIP(S) WILL BE ATTACHED TO MUST BE IN "SOUND" OR "AS NEW" CONDITION.

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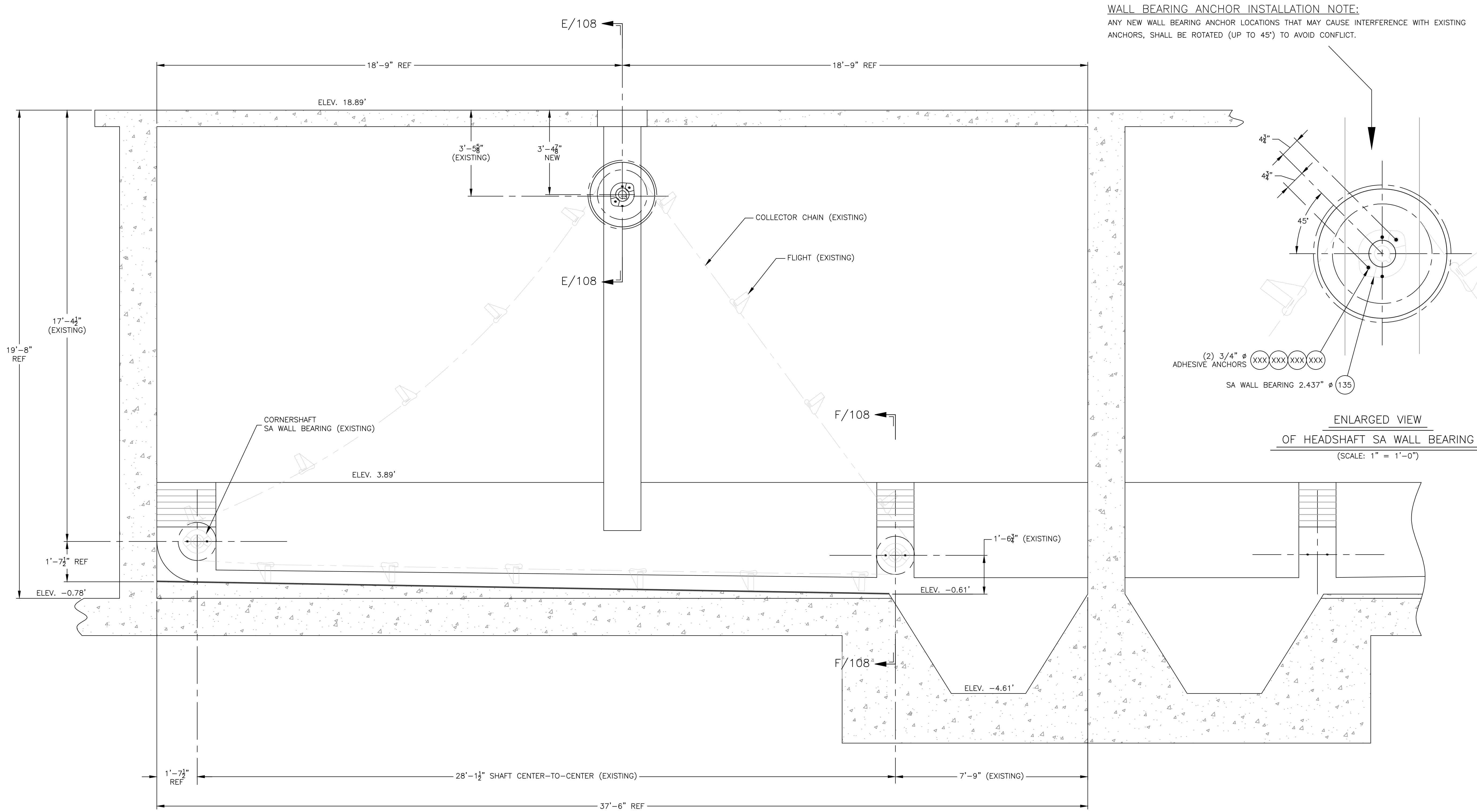
DIMENSIONS IN INCHES UNLESS SPECIFIED	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
TWO (2) PLACE DEC. ±.06	
THREE (3) PLACE DEC. ±.005	
ANGULAR ±.50°	
STRUCTURAL DIMENSIONS ± 1/16	
MACHINED SURFACES 250/	

REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN

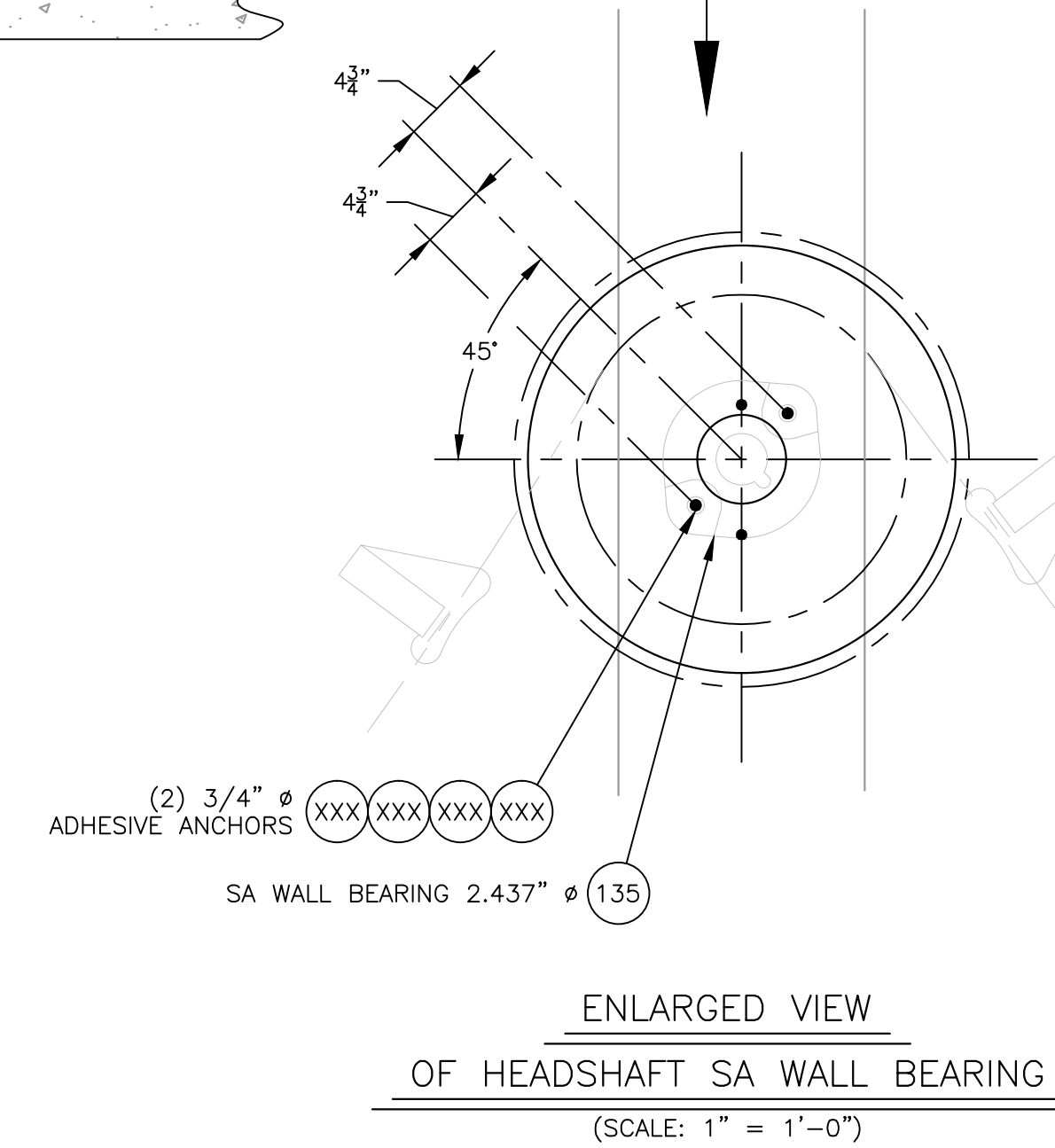
COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.

DESIGNER HEINEN DATE 5/30/14
CHECKER HEINEN DATE 5/30/14
ENGINEER HEINEN DATE 5/30/14
MANAGER PIMLOTT DATE 5/30/14
FILE: NEW
SCALE: NA

TITLE GENERAL ARRANGEMENT - WEAR STRIP INSTALLATION FOR TANKS #6-8 + CROSS CSSC (REPLACEMENT OF EXISTING)
CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL
PROJECT SO# 421460 CODE 4001 DRAWING V13-2689-106 SHEET 3 OF 3
evoqua WATER TECHNOLOGIES WAUKESHA, WI 262-547-0141



WALL BEARING ANCHOR INSTALLATION NOTE:
 ANY NEW WALL BEARING ANCHOR LOCATIONS THAT MAY CAUSE INTERFERENCE WITH EXISTING ANCHORS, SHALL BE ROTATED (UP TO 45°) TO AVOID CONFLICT.

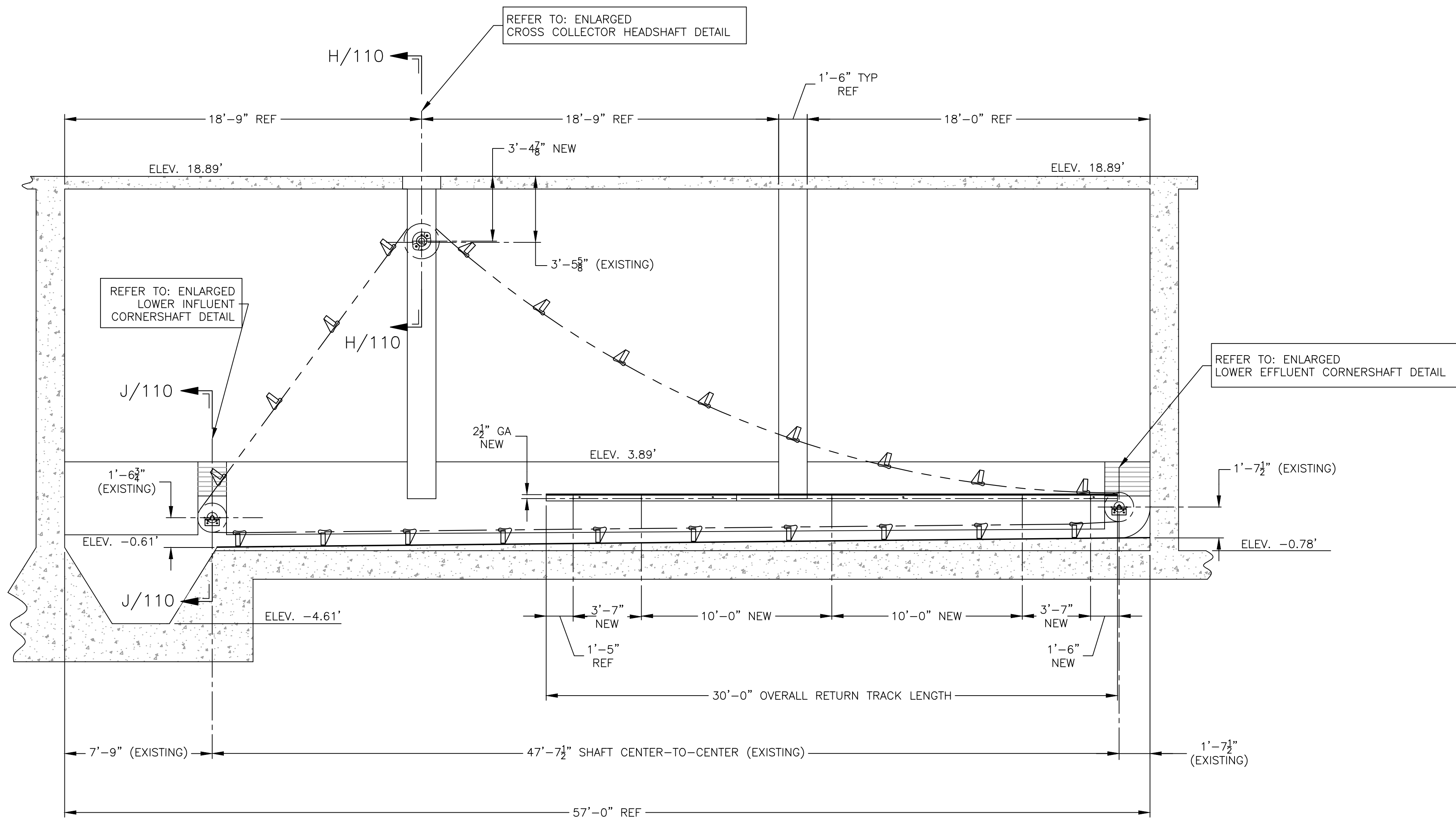


SECTION D/102
ELEVATION VIEW OF TANKS #1-2 CROSS COLLECTOR
FACING WEST
 (SCALE: 1/2" = 1'-0")

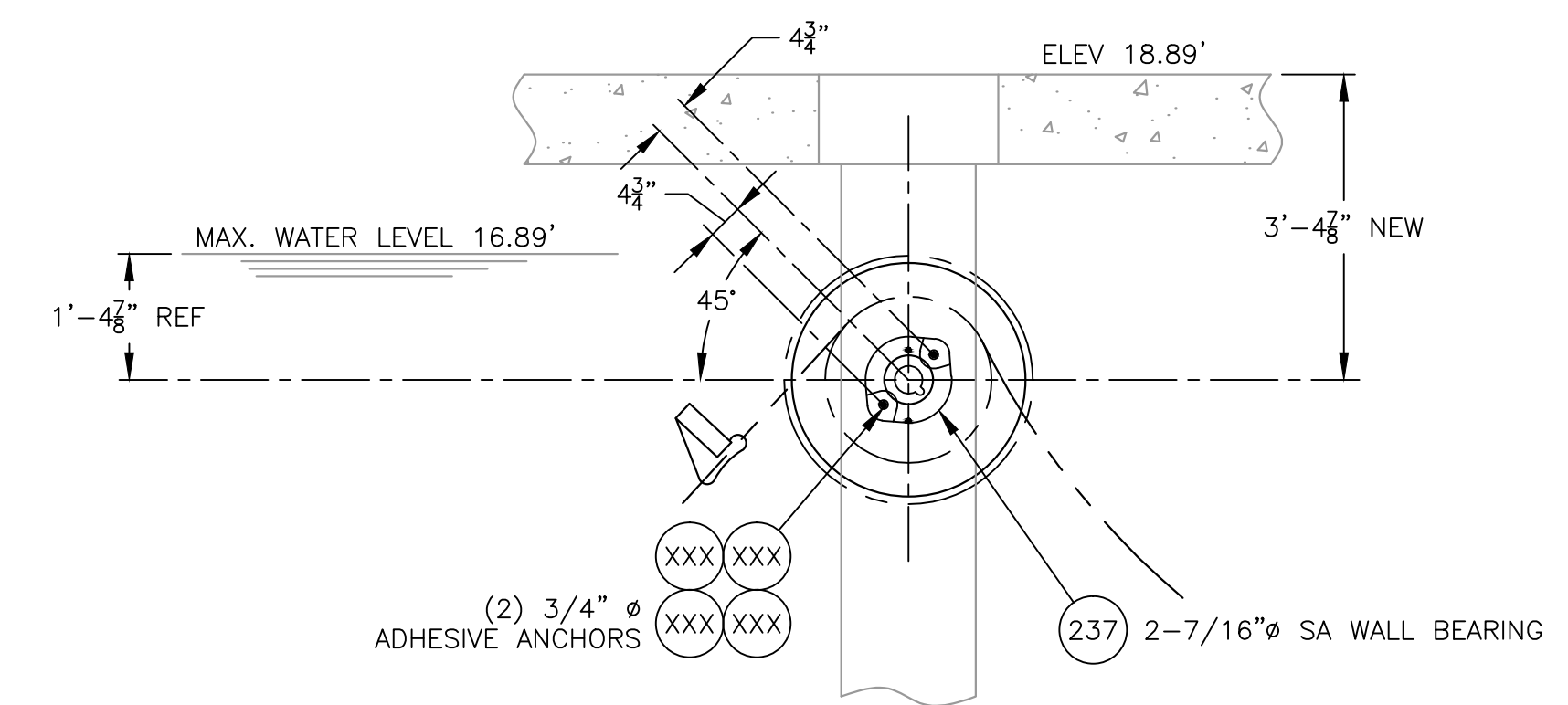
PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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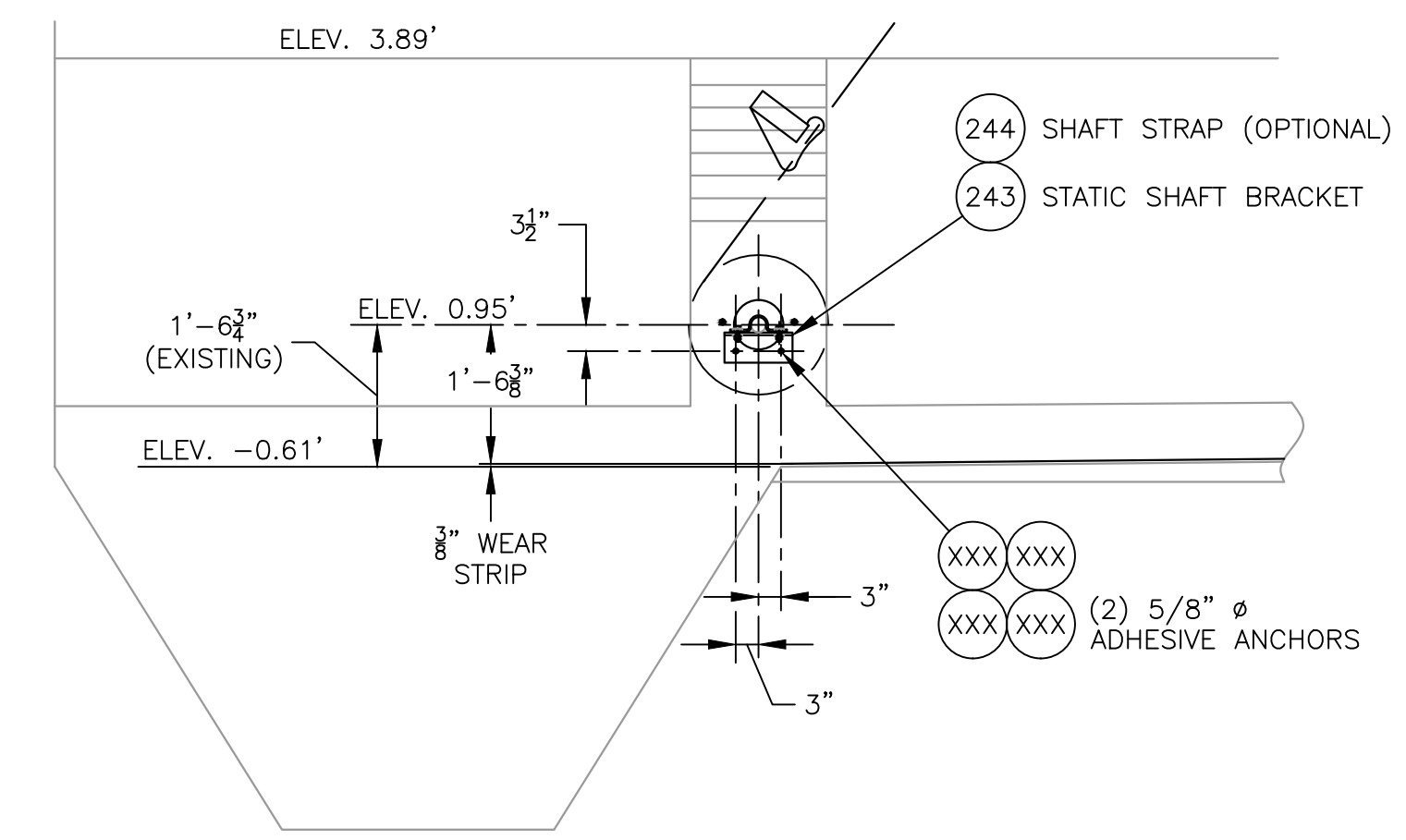
DIMENSIONS IN INCHES UNLESS SPECIFIED TOLERANCES UNLESS OTHERWISE SPECIFIED TWO (2) PLACE DEC. ±.06 THREE (3) PLACE DEC. ±.005 ANGULAR ±.50° STRUCTURAL DIMENSIONS ± 1/16 MACHINED SURFACES 250/		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN CHECKER HEINEN ENGINEER HEINEN MANAGER PIMLOTT FILE: NEW SCALE: 1:24	DATE 5/30/14 DATE 5/30/14 DATE 5/30/14 DATE 5/30/14	TITLE GENERAL ARRANGEMENT - ELEVATION VIEW CROSS COLLECTOR FOR TANKS #1 THRU 2 C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL PROJECT SO# 421460 CODE 4001 DRAWING V13-2689-107 SHEET 1 OF 1 REV -
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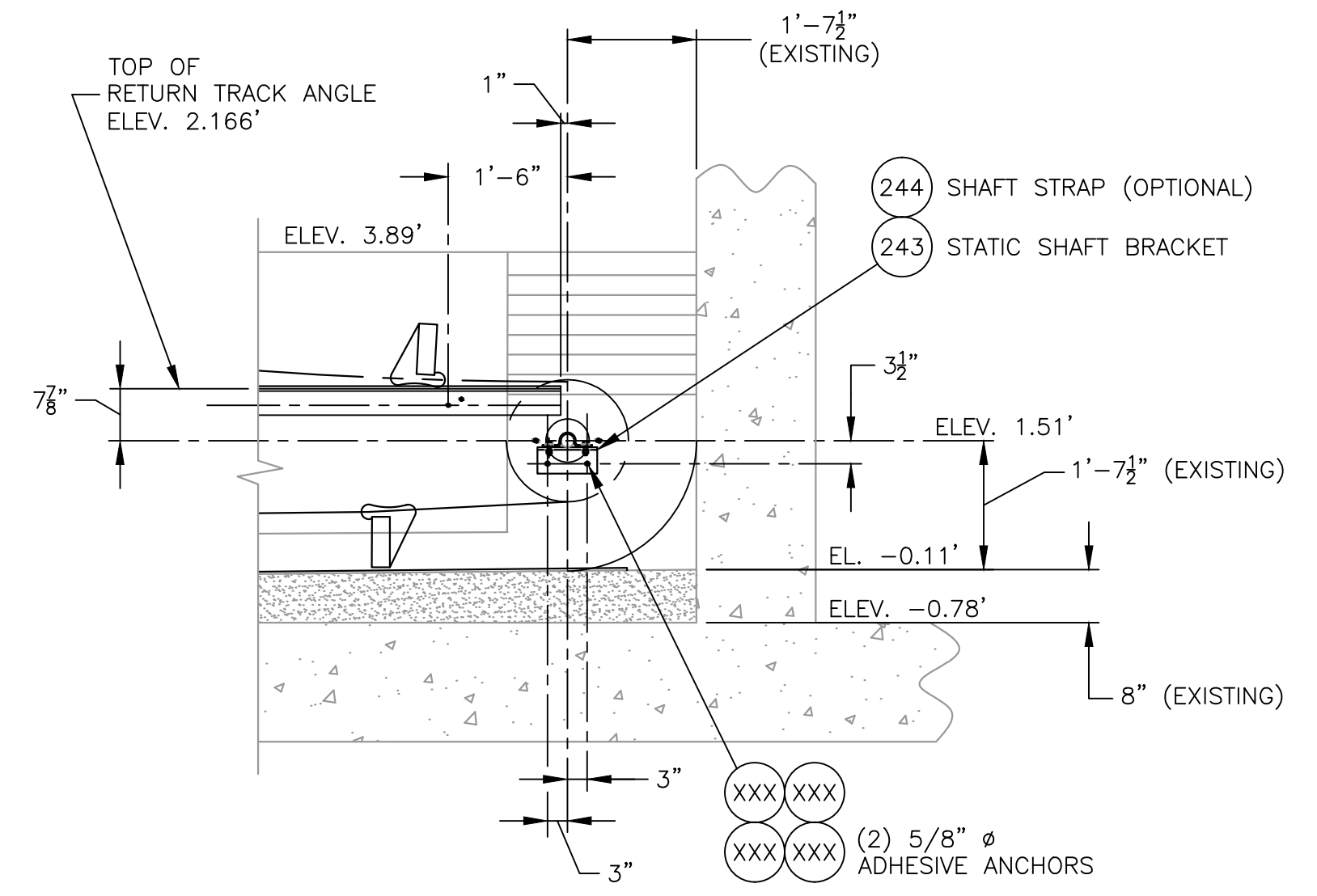
SECTION G/102
ELEVATION VIEW OF TANKS #3-5 CROSS COLLECTOR
FACING WEST
SCALE: 1/4" = 1'-0"



CROSS COLLECTOR HEADSHAFT DETAIL
SCALE: 1/2" = 1'-0"



LOWER INFLUENT CORNERSHAFT DETAIL
SCALE: 1/2" = 1'-0"

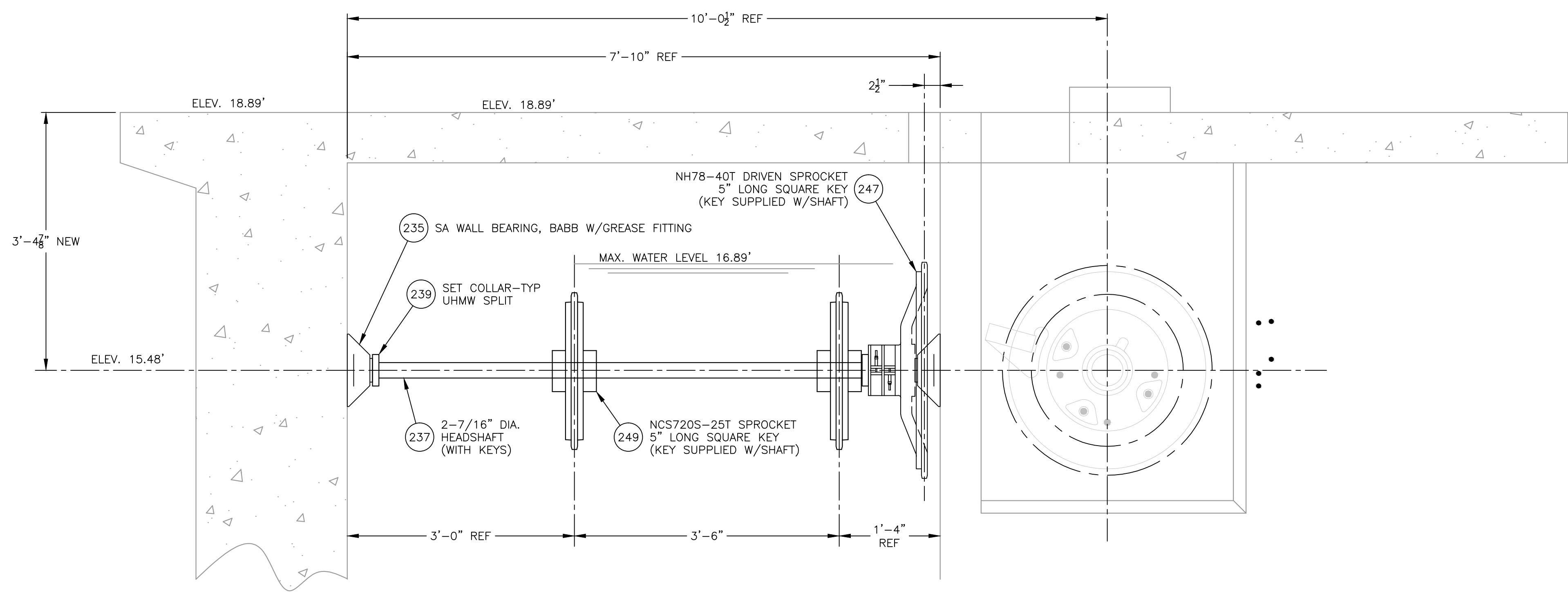


LOWER EFFLUENT CORNERSHAFT DETAIL
SCALE: 1/2" = 1'-0"

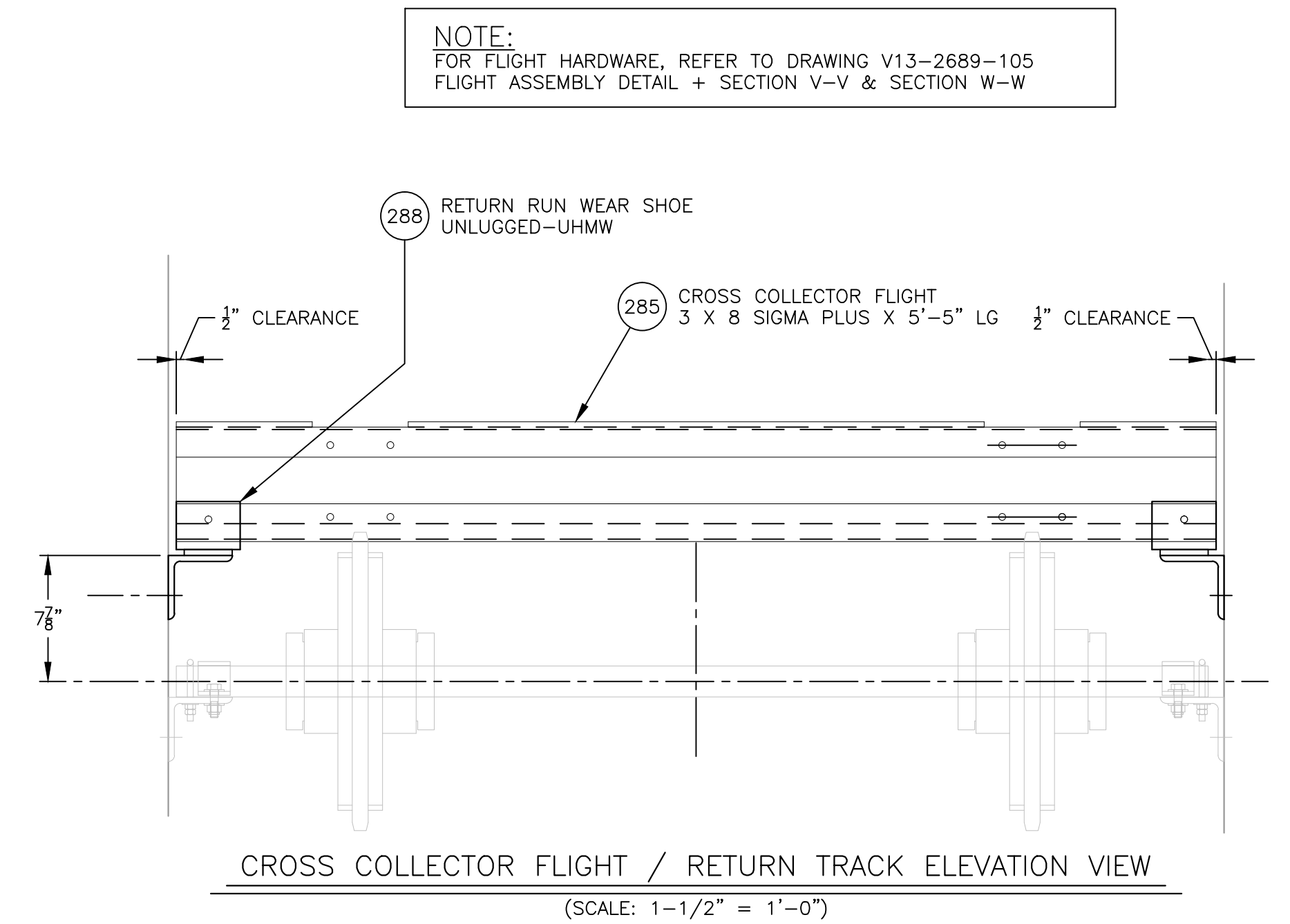
PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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PURPOSES

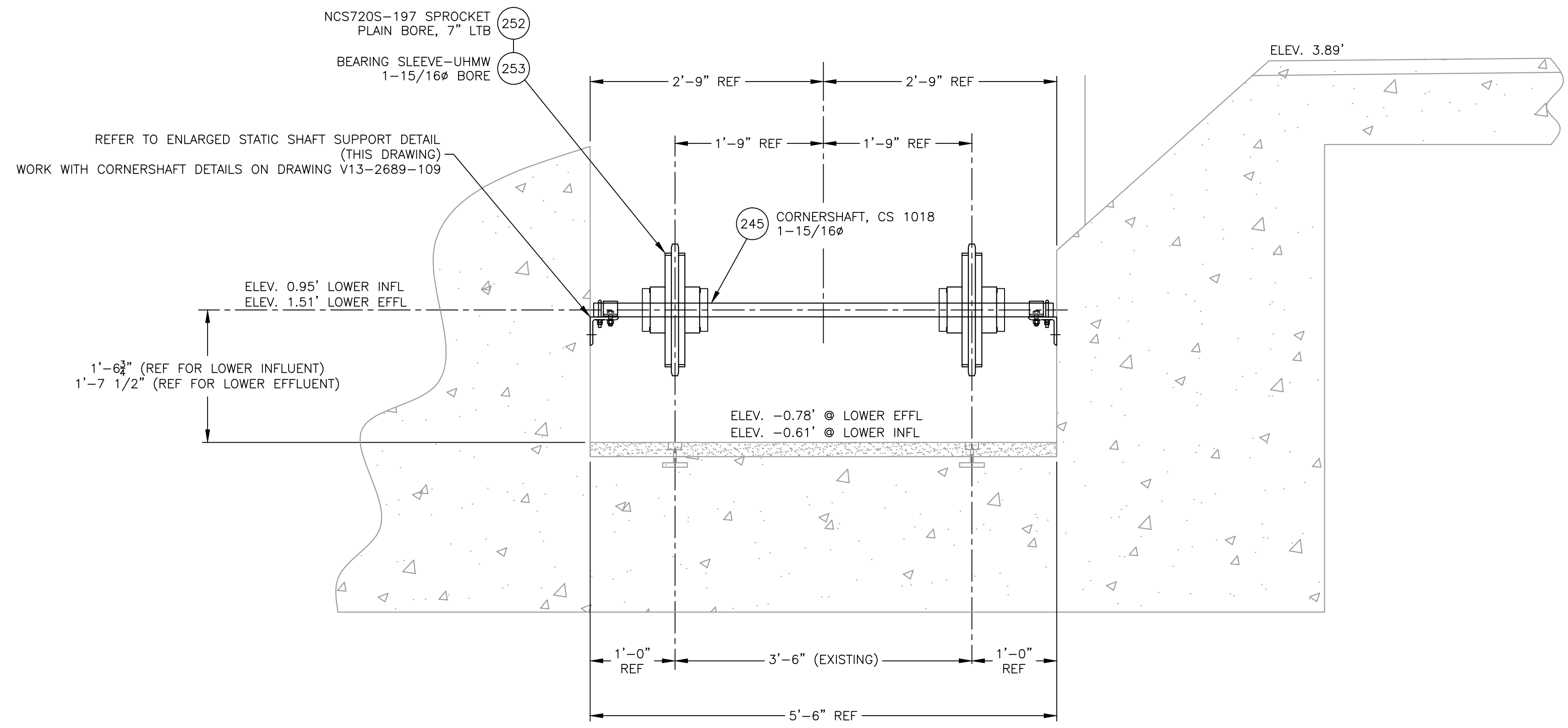
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CHECKER	HEINEN	DATE	5/30/14	CLIENT	JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL
ENGINEER	HEINEN	DATE	5/30/14	MANAGER	PIMLOTT
FILE	NEW	DATE	5/30/14	SCALE	VARIABLES
PROJECT	SO# 421460	CODE	4001	DRAWING	V13-2689-109
SHEET	1 OF 1	REV	-	WATER TECHNOLOGIES	WATER TECHNOLOGIES WAUKESHA, WI 262-547-0141



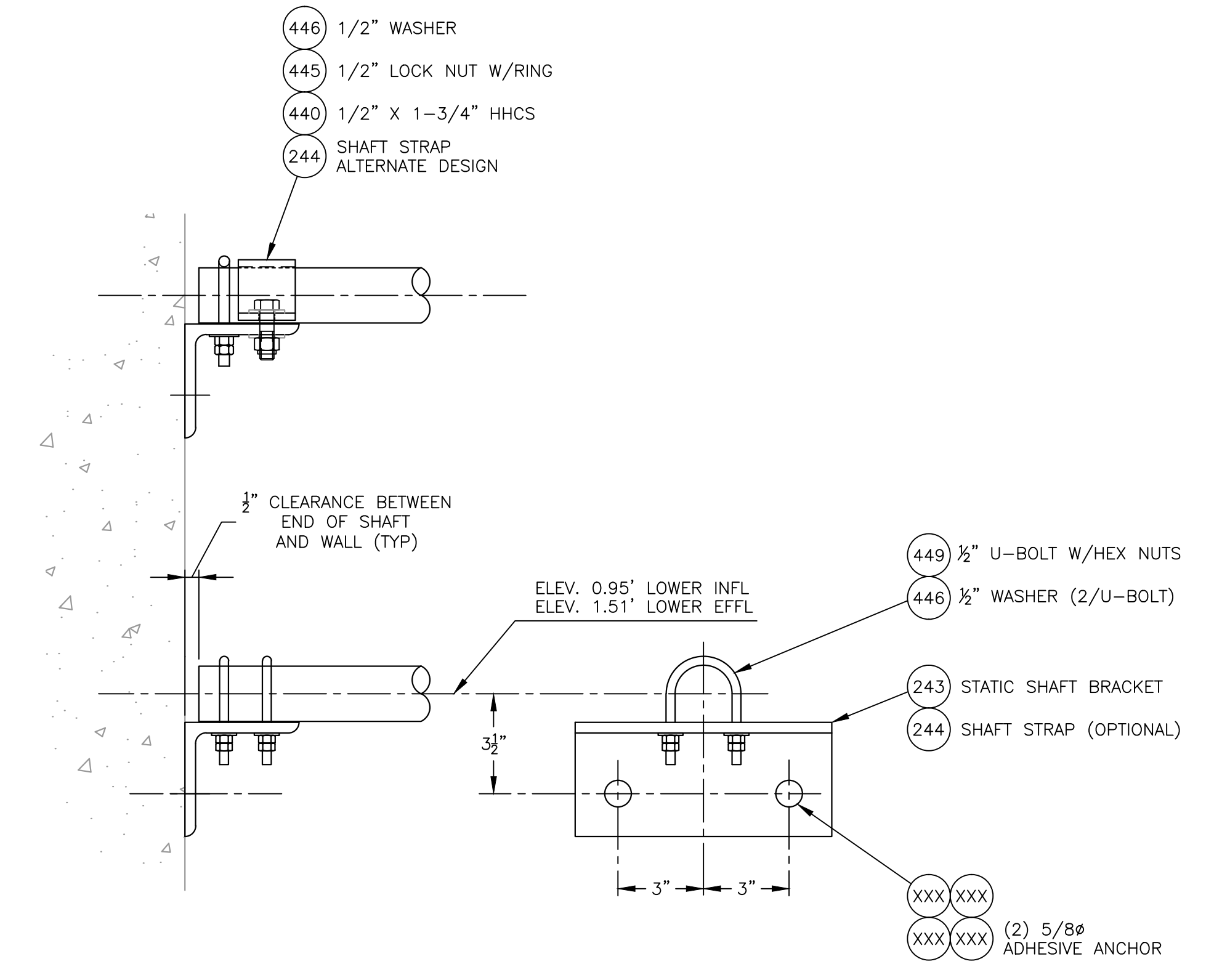
SECTION H/109
TYPICAL CROSS COLLECTOR HEADSHAFT DETAIL
(SCALE: 1" = 1'-0")



CROSS COLLECTOR FLIGHT / RETURN TRACK ELEVATION VIEW
(SCALE: 1-1/2" = 1'-0")



SECTION J/109
TYPICAL CROSS COLLECTOR LOWER CORNERSHAFT DETAIL
(SCALE: 1" = 1'-0")



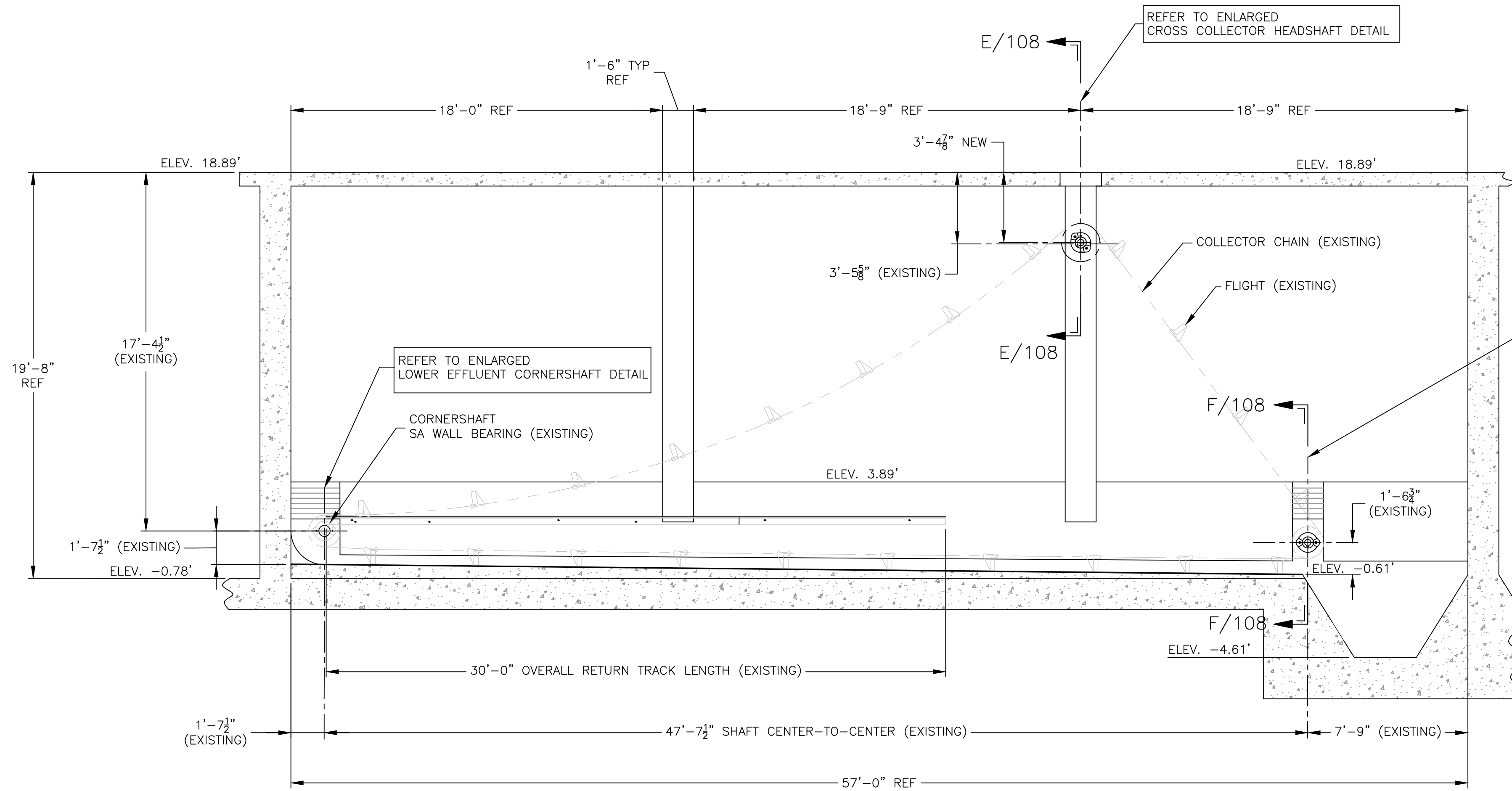
CROSS COLLECTOR STATIC SHAFT SUPPORT DETAIL
(SCALE: 3" = 1'-0")

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

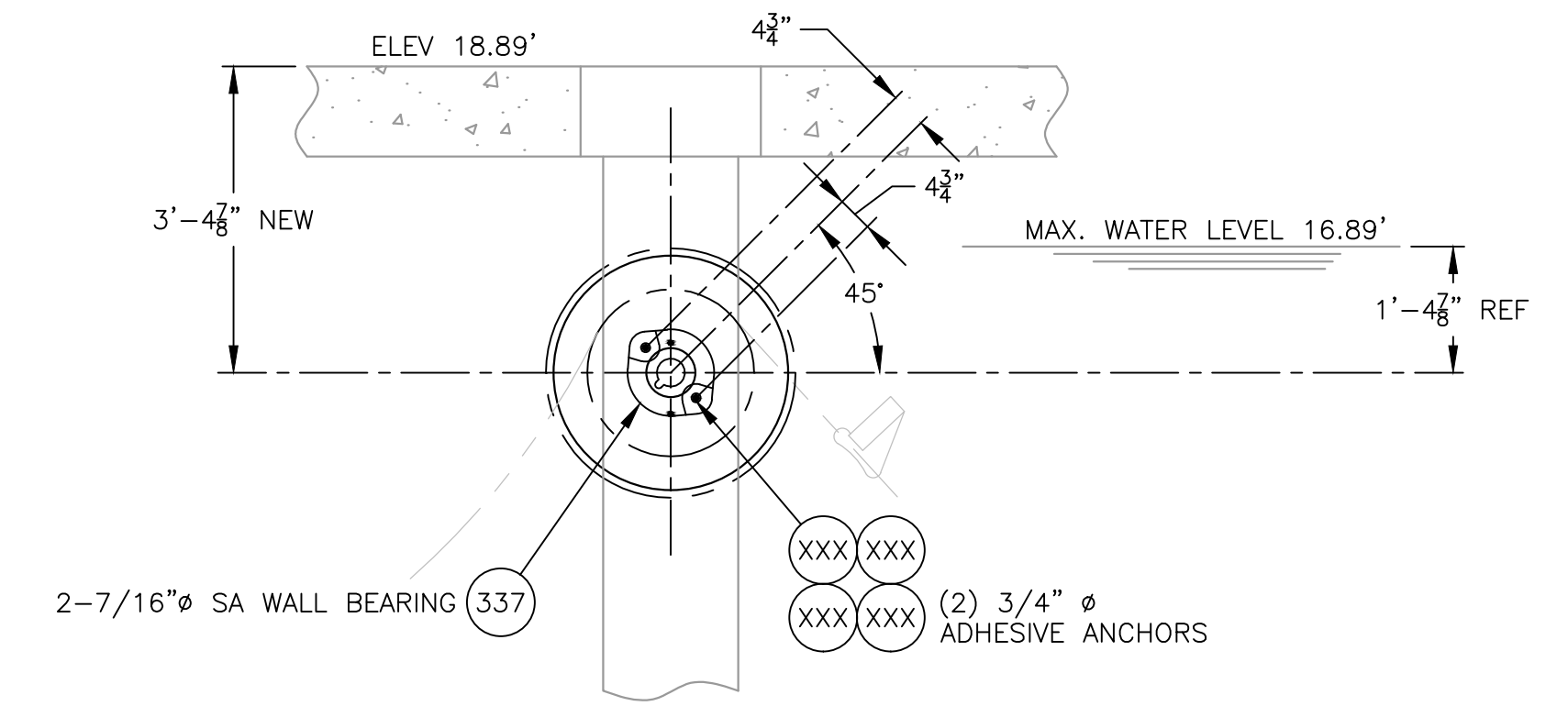
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DIMENSIONS IN INCHES UNLESS SPECIFIED		TOLERANCES UNLESS OTHERWISE SPECIFIED		COMPANY CONFIDENTIAL DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF EVOQUA AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO EVOQUA AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF EVOQUA. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF EVOQUA. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF EVOQUA, THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO EVOQUA OR DESTROYED AS INSTRUCTED BY EVOQUA. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS.		DESIGNER HEINEN	DATE 5/30/14	TITLE GENERAL ARRANGEMENT - SHAFT SECTION VIEWS CROSS COLLECTOR FOR TANKS #3 THRU 5 C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS				
TWO (2) PLACE DEC. ±.06		THREE (3) PLACE DEC. ±.005		ANGULAR ±.50°		CHECKER HEINEN	DATE 5/30/14	CLIENT JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL				
STRUCTURAL DIMENSIONS ± 1/16		MACHINED SURFACES 250/				ENGINEER PIMLOTT	DATE 5/30/14	PROJECT SO# 421460				
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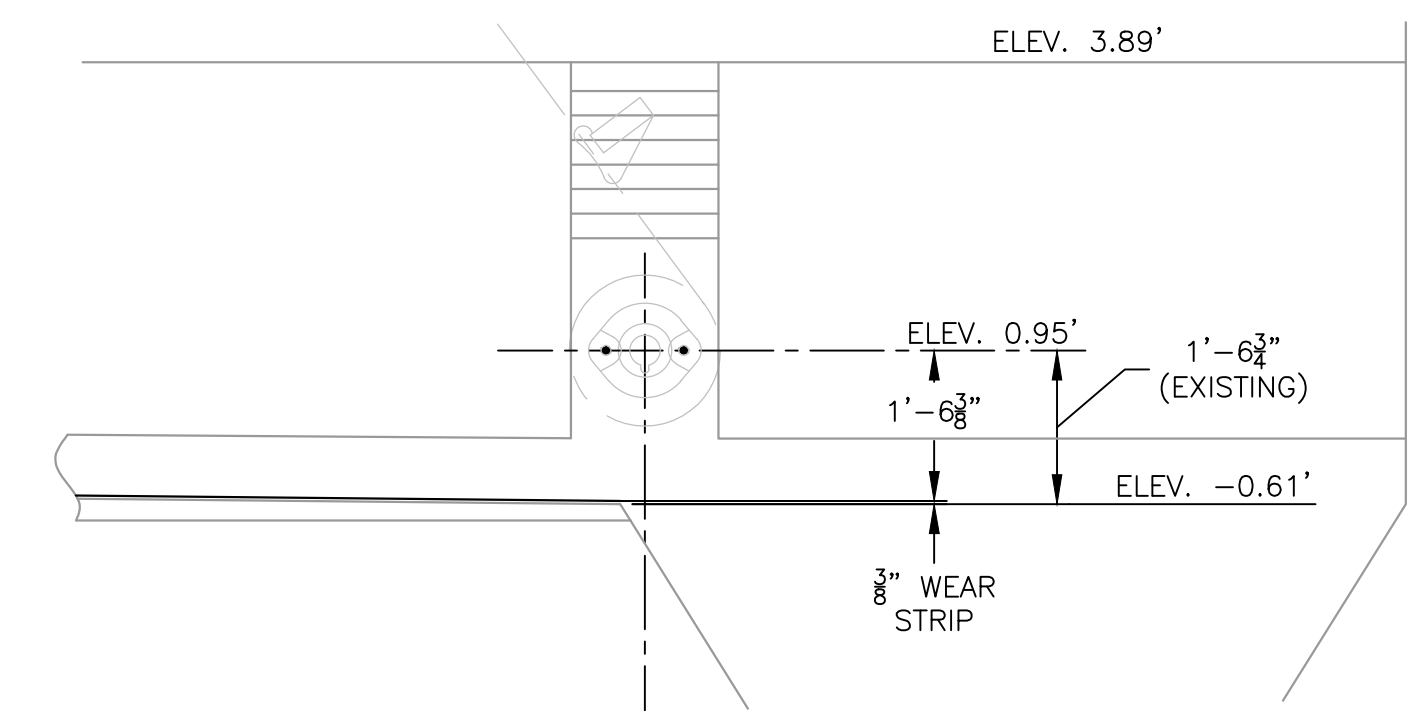
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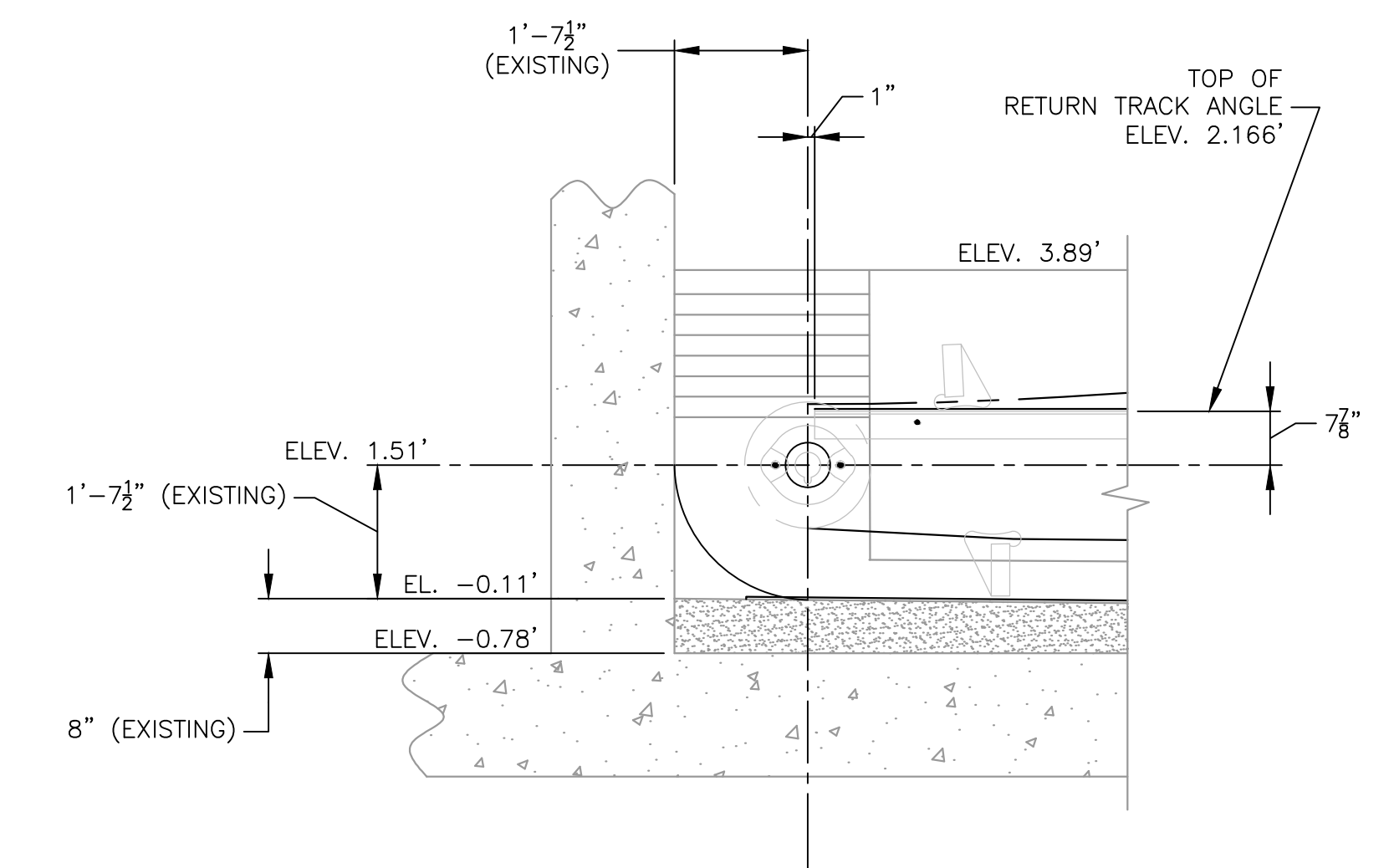
SECTION K/102
ELEVATION VIEW OF TANKS #6-8 CROSS COLLECTOR
FACING WEST
 SCALE: 1/4" = 1'-0"



CROSS COLLECTOR HEADSHAFT DETAIL
 SCALE: 1/2" = 1'-0"



LOWER INFLUENT CORNERSHAFT DETAIL
 SCALE: 1/2" = 1'-0"



LOWER EFFLUENT CORNERSHAFT DETAIL
 SCALE: 1/2" = 1'-0"

PARTIAL REPLACEMENT OF CHAIN & SCRAPER SLUDGE COLLECTOR COMPONENTS FOR TANKS #1 THRU #8 PER SALES ORDER # 421460, REPLACES EQUIPMENT ORIGINALLY SUPPLIED VIA CHAINBELT ORDER H25632, TANKS #1 THRU #5 (1959) AND H78285, TANKS #6 THRU #10 (1973)

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DESIGNER	HEINEN	DATE	5/30/14	TITLE	GENERAL ARRANGEMENT - ELEVATION VIEW CROSS COLLECTOR FOR TANKS #6 THRU 8 C&S SLUDGE COLLECTOR REPLACEMENT COMPONENTS
CHECKER	HEINEN	DATE	5/30/14	CLIENT	JACKSONVILLE ELECTRIC AUTHORITY JACKSONVILLE, FL
ENGINEER	HEINEN	DATE	5/30/14	MANAGER	PIMLOTT
FILE	NEW	DATE	5/30/14	PROJECT	SO# 421460
SCALE	VARIABLES			CODE	4001
				DRAWING	V13-2689-111
				SHEET	1 OF 1
				REV	-

Award #3 Supporting Documents 5/22/2025



Evoqua Products and Services Proposal

Prepared For:

**JACKSONVILLE ELECTRIC AUTHORITY
INC**

225 N PEARL ST
Jacksonville, FL 32202-4513

Quote #: 04140179

Transforming Water. Enriching Life.®

Award #3 Supporting Documents 5/22/2025

Proposal For: JACKSONVILLE ELECTRIC AUTHORITY INC Jeremy Pappy 225 N PEARL ST Jacksonville, FL 32202-4513 Phone: 9046658332 pappbj2@jea.com	Kristopher Kebbekus Evoqua Water Technologies N19W23993 Ridgeview Pkwy, Suite 200 Waukesha, WI 53188 Phone: +1 (262) 521-8212 kristopher.kebbekus@xylem.com
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Item Pricing Summary

2 - Items

Item	Part No Description	Qty	Net Price	Ext Price
1	W3T429797 SPROCKET,NH78 40T 33.25"PD 4.94"B D-DISH Additional Comments: Previous Part Number W2T309625 / Item 146 / Order 421460	1 EA	\$1520.98	\$1520.98
2	W2T319553 40T Sprocket Additional Comments: Item 147 / Order 421460	1 EA	\$1520.98	\$1520.98
3	W2T313092 SPROCKET,NCS720S 25T 24.126"PD 4.94"B BK Additional Comments: Item 148 / Order 421460 Lead Time: 2-3 Months	4 EA	\$2601.67	\$10406.71
4	W2T319564 SPROCKET,NCS720S 25T 24.126"PD 2.44"B BK Additional Comments: Item 149 / Order 421460	2 EA	\$2601.67	\$5203.35

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	Lead Time: 2-3 Months			
5	W2T319573	12 EA	\$1858.48	\$22301.76
	SPROCKET,NCS720S 19T STATIC 5.44"B BLK Additional Comments: Item 150 / Order 421460 Lead Time: 2-3 Months			
6	W2T319467	12 EA	\$319.12	\$3829.44
	BEARING-SLV, 3.94"ID 5.33"OD 7"L TB UHMW; Additional Comments: Item # 151 / Order 421460			
7	W3T422188	164 EA	\$271.95	\$44599.80
	CHAIN,NCS720S-NX POLY 6"P 120" F28 ATT(1 Additional Comments: Previous Part # / W2T309520 Item # 180 / Order 421460			
8	W3T422242	20 EA	\$305.25	\$6105.00
	CHAIN,NCS720S-NX POLY 6"P 132" F28 ATT(1 Additional Comments: Previous Part # / W2T118215 Item # 181 / Order 421460			
9	W2T319411	2 EA	\$226.25	\$452.50
	TOOL-CHAIN ASSY,NCS720S/-NX/NCS360S,STL Additional Comments: Item # 183 / Order 421460			
10	W3T262781	88 EA	\$388.50	\$34188.00
	FLIGHT-SIGMA+, 3 X 8 X 215.00", POLY			

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	Additional Comments: Item # 184 / Order 421460			
11	W2T292219 SPACER-FLT,8"SIG+,4.81X6.81X2.88", POLY Additional Comments: Item # 186 / Order 421460	176 EA	\$7.08	\$1246.08
12	W2T119965 SHOE-WEAR,RTRN,W/LUG 3X3X4.5"WIDE,UHMW Reference #: W2T119965	176 EA	\$11.15	\$1962.40
13	W2T118570 SHOE-WEAR,CARRY,3X3X 0.5 X 5.5",BLK,UHMW Additional Comments: Item # 189 / Order 421460	176 EA	\$7.62	\$1341.12
14	W2T119925 CHAIN-DRIVE,NH78,2.609"P, POLY,304SS PIN Additional Comments: Item # 192 / Order 421460	34 FT	\$49.90	\$1696.60
15	W3T429797 SPROCKET,NH78 40T 33.25"PD 4.94"B D-DISH Additional Comments: Previous Part Number W2T309625 / Item 246 / Order 421460	3 EA	\$1520.98	\$4562.93
16	W2T319553 40T Sprocket Additional Comments: Item 247 / Order 421460	1 EA	\$1520.98	\$1520.98

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17	<p>W2T313092</p> <p>SPROCKET,NCS720S 25T 24.126"PD 4.94"B BK</p> <p>Additional Comments: Item 248 / Order 421460</p> <p>Lead Time: 2-3 Months</p>	6 EA	\$2601.67	\$15610.08
18	<p>W2T319564</p> <p>SPROCKET,NCS720S 25T 24.126"PD 2.44"B BK</p> <p>Additional Comments: Item 249 / Order 421460</p>	2 EA	\$2601.67	\$5203.35
19	<p>W2T319573</p> <p>SPROCKET,NCS720S 19T STATIC 5.44"B BLK</p> <p>Additional Comments: Item 250 / Order 421460</p>	18 EA	\$1674.30	\$30137.40
20	<p>W2T319467</p> <p>BEARING-SLV, 3.94"ID 5.33"OD 7"LTB UHMW;</p> <p>Additional Comments: Item 251 / Order 421460</p>	18 EA	\$312.39	\$5623.20
21	<p>W2T319565</p> <p>SPROCKET,NCS720S 19T STATIC 3.94"B BLK</p> <p>Additional Comments: Item # 252 / Order 421460</p>	4 EA	\$1674.30	\$6697.20
22	<p>W2T319472</p> <p>BEARING-SLV, 1.94"ID 3.83"OD 7"LTB UHMW;</p>	4 EA	\$256.30	\$1025.20

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	Additional Comments: Item # 253 / Order 421460			
23	W3T422188	246 EA	\$271.95	\$66899.70
	CHAIN,NCS720S-NX POLY 6"P 120" F28 ATT(1 Additional Comments: Previous Part # / W2T309520 Item # 280 / Order 421460			
24	W3T422242	30 EA	\$305.25	\$9157.50
	CHAIN,NCS720S-NX POLY 6"P 132" F28 ATT(1 Additional Comments: Previous Part # / W2T118215 Item # 281 / Order 421460			
25	W3T422189	26 EA	\$284.14	\$7387.90
	CHAIN,NCS720S-NX POLY 6"P 120" F28 ATT(2 Additional Comments: Previous Part # / W2T309521 Item # 282 / Order 421460			
26	W3T262781	132 EA	\$388.50	\$51282.00
	FLIGHT-SIGMA+, 3 X 8 X 215.00", POLY Additional Comments: Item # 284 / Order 421460			
27	W3T262782	26 EA	\$151.50	\$3939.00
	FLIGHT-SIGMA+, 3 X 8 X 65.00", POLY Additional Comments: Item # 285 / Order 421460			
28	W2T292219	316 EA	\$7.08	\$2237.28
	SPACER-FLT,8"SIG+,4.81X6.81X2.88", POLY Additional Comments:			

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Item # 286 / Order 421460				
29	W2T119965	264 EA	\$11.15	\$2943.60
SHOE-WEAR,RTRN,W/LUG 3X3X4.5"WIDE,UHMMW				
Reference #: W2T119965				
Additional Comments: Item # 287 / Order 421460				
30	W2T120477	52 EA	\$6.55	\$340.60
SHOE-WEAR,RETURN,L 3 X 3 X .5 X 4",UHMMW				
Additional Comments: Item # 288 / Order 421460				
31	W2T118570	316 EA	\$7.62	\$2407.92
SHOE-WEAR,CARRY,3X3X 0.5 X 5.5",BLK,UHMMW				
Additional Comments: Item # 289 / Order 421460				
32	W2T119925	70 FT	\$49.90	\$3493.00
CHAIN-DRIVE,NH78,2.609"P, POLY,304SS PIN				
Additional Comments: Item # 292 / Order 421460				
33	W3T429797	3 EA	\$1520.98	\$4562.93
SPROCKET,NH78 40T 33.25"PD 4.94"B D-DISH				
Additional Comments: Previous Part Number W2T309625 / Item 346 / Order 421460				
34	W2T319553	1 EA	\$1520.98	\$1520.98
40T Sprocket				

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	Additional Comments: Item 347 / Order 421460			
35	W2T313092	6 EA	\$2601.67	\$15610.08
	SPROCKET,NCS720S 25T 24.126"PD 4.94"B BK			
	Additional Comments: Item # 348 / Order 421460			
36	W2T319564	2 EA	\$2601.67	\$5203.35
	SPROCKET,NCS720S 25T 24.126"PD 2.44"B BK			
	Additional Comments: Item # 349 / Order 421460			
37	W2T319573	18 EA	\$1674.30	\$30137.40
	SPROCKET,NCS720S 19T STATIC 5.44"B BLK			
	Additional Comments: Item # 350 / Order 421460			
38	W2T319467	18 EA	\$312.39	\$5623.20
	BEARING-SLV, 3.94"ID 5.33"OD 7"LTB UHMW;			
	Additional Comments: Item # 351 / Order 421460			
39	W3T422188	246 EA	\$271.95	\$66899.70
	CHAIN,NCS720S-NX POLY 6"P 120" F28 ATT(1			
	Additional Comments: Previous Part # / W2T309520 Item # 380 / Order 421460			
40	W3T422242	30 EA	\$305.25	\$9157.50
	CHAIN,NCS720S-NX POLY 6"P 132" F28 ATT(1			
	Additional Comments:			

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Previous Part # / W2T118215 Item # 381 / Order 421460				
41	W2T119925	34 FT	\$49.90	\$1696.60
CHAIN-DRIVE,NH78,2.609"P, POLY,304SS PIN Additional Comments: Item # 392 / Order 421460				
42	W2T119925	200 FT	\$49.90	\$9980.00
CHAIN-DRIVE,NH78,2.609"P, POLY,304SS PIN Additional Comments: Item # 9000 / Order 421460				
43	W2T119965	25 EA	\$12.38	\$309.50
SHOE-WEAR,RTRN,W/LUG 3X3X4.5"WIDE,UHMW Additional Comments: Item # 12000 / Order 421460				
44	W2T120477	25 EA	\$6.55	\$163.75
SHOE-WEAR,RETURN,L 3 X 3 X .5 X 4",UHMW Additional Comments: Item # 13000 / Order 421460				
45	W2T118570	25 EA	\$8.48	\$212.00
SHOE-WEAR,CARRY,3X3X 0.5 X 5.5",BLK,UHMW Reference #: W2T118570 Additional Comments: Item # 14000 / Order 421460				
46	W3T422427	25 EA	\$30.52	\$763.00
LINK-ATTACHMENT,NCS720S-NX-F28				

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	Additional Comments: Previous Part Number W2T118596 Item # 15000 / Order 421460			
47	W3T262782 FLIGHT-SIGMA+, 3 X 8 X 65.00", POLY Additional Comments: Previous Part Number W2T118596 Item # 16000 / Order 421460	14 EA	\$150.00	\$2100.00
48	W3T429797 SPROCKET,NH78 40T 33.25"PD 4.94"B D-DISH Additional Comments: Previous Part Number W2T309625 / Item 17000 / Order 421460	1 EA	\$1688.28	\$1688.28
49	W2T292219 SPACER-FLT,8"SIG+,4.81X6.81X2.88", POLY Additional Comments: Item # 22000 / Order 421460	40 EA	\$7.08	\$283.20
50	W2T119965 SHOE-WEAR,RTRN,W/LUG 3X3X4.5"WIDE,UHMW Reference #: W2T119965 Additional Comments: Item # 23000 / Order 421460	270 EA	\$11.15	\$3010.50
51	W3T262782 FLIGHT-SIGMA+, 3 X 8 X 65.00", POLY Additional Comments: Item # 27000 / Order 421460	15 EA	\$166.50	\$2497.50
52	W2T118570	40 EA	\$7.62	\$304.80

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SHOE-WEAR,CARRY,3X3X 0.5 X 5.5",BLK,UHMW
Reference #: W2T118570
Additional Comments: Item # 28000 / Order 421460

Currency: USD

Quote Totals

Currency: USD	
Item(s) Subtotal:	\$518,567.89
Freight:	\$7,500.00
Total Net Price:	\$526,067.89

**** Longest Lead Items are some of the Sprockets 3-4 Months to ship complete****

Our Manufacturer Rep in your area is:

Gregory J. Chomic



Heyward Florida Incorporated
415 County Club Drive
Winter Park, FL 32789
407-948-0332 (cell)
www.HeywardFL.com

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Evoqua Water Technologies Banking Details

ACH - CTX

Evoqua's preferred payment method is via ACH - CTX:

JP Morgan Chase Bank

Attn: Evoqua Water Technologies, LLC

Account #: 603148011

Swift Code: CHASUS33

ACH Routing / ABA: 044000037

Wire Routing / ABA: 021000021

Remittance details should go to: electronicfunds@evoqua.com

PAPER CHECKS VIA POSTAL SERVICE

Paper checks via Postal Service:

Send to our Lockbox, address is:

Evoqua Water Technologies LLC

28563 Network Place

Chicago, IL 60673-1285

PAPER CHECKS VIA OVERNIGHT / COURIER Paper checks via Overnight / Courier:

JP Morgan Chase Bank

Attn: Evoqua Water Technologies Lockbox 28563

131 S Dearborn, 6th Floor

Chicago, IL 60603

Remittance details should go to: electronicfunds@evoqua.com

**** If ever instructed to change banking information, contact us immediately at 1-800-466-7873 ****

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Payment Terms and Delivery

PO Terms

Purchaser acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the goods and/or services provided under the Contract, including any export license requirements. Purchaser agrees that such goods and/or services shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. PURCHASER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

Shipping Information

- Prepaid and Add: Shipping and Handling Charge

Terms

- This quote is valid until 06-28-2024
- Payment terms are with proper credit, and are subject to the attached Evoqua Water Technologies Terms and Conditions

Sales Tax & GST

- The pricing provided in this proposal does not include applicable Sales Tax or GST.
- If your company is exempt from Sales Tax or GST, or eligible for a reduced rate of tax, a tax exemption certificate must be provided no later than with your purchase order.
- If a timely, valid exemption certificate or other documentation is not provided, any applicable Sales Tax or GST will be invoiced and payable.
- New customers may be required to supply a signed credit application to be approved for credit terms.
- **NOTE:** You may be assessed a 3% fee if paying via Credit Card. Find more info on our website here > <https://www.evoqua.com/en/about-us/terms-conditions-sale-products-services/credit-card-fee-faqs/>. Ask us how to avoid paying fees by migrating to ACH CTX payment type.

Purchase Order

- Customer must provide a VALID hard copy Purchase Order reflecting terms for all services/equipment. If a VALID hard copy Purchase Order cannot be provided, a credit card payment must be received in advance of the order.
- VALID hard copy Purchase Order should be sent to kristopher.kebbekus@xylem.com
- If paying by credit card in lieu of Purchase Order, contact your Sales Representative.

You may also mail to:

Evoqua Water Technologies
N19W23993 Ridgeview Pkwy, Suite 200
Waukesha, WI 53188

Payment SHOULD NOT be sent to this above address.

Material Escalation

Due to volatility in steel costs, prices quoted in this proposal will be adjusted to reflect changes in the Metal and Metal Products Index (MMPI) published by the U.S. Department of Labor, Bureau of Labor Statistics. The most recent published MMPI is 309.6 for Mar of 2024. If the MMPI exceeds 315.8 at the time the Equipment is released for manufacture, then the price will be increased by the same percentage as the MMPI exceeds 315.8.

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STANDARD TERMS OF SALE

1. **Applicable Terms.** These terms govern the purchase and sale of equipment, products, related services, leased products, and media goods if any (collectively herein "Work"), referred to in Seller's proposal ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is expressly conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.

2. **Payment.** Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation specifically provides otherwise, freight, storage, insurance and all taxes, levies, duties, tariffs, permits or license fees or other governmental charges relating to the Work or any incremental increases thereto shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. If Buyer claims a tax or other exemption or direct payment permit, it shall provide Seller with a valid exemption certificate or permit and indemnify, defend and hold Seller harmless from any taxes, costs and penalties arising out of same. All payments are due within N30 - Net 30 days after receipt of invoice. Buyer shall pay interest on all late payments not received by the due date. The Buyer shall be charged the lesser rate of 1 ½% interest per month or the maximum interest rate permissible under applicable law, calculated daily and compounded monthly. Buyer shall also reimburse Seller for all costs incurred in collecting amounts due but unpaid, including without limitation, collections fees and attorneys' fees. All orders are subject to credit approval by Seller. Back charges without Seller's prior written approval shall not be accepted.

3. **Delivery.** Delivery of the Work shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, delivery terms are FOB Shipping Point, or for international orders, ExWorks Seller's factory (INCOTERMS™ Terms 2020). Title to all Work shall pass upon receipt of payment for the Work under the respective invoice. Unless otherwise agreed to in writing by Seller, shipping dates are approximate only and Seller shall not be liable for any loss or expense (consequential or otherwise) incurred by Buyer or Buyer's customer if Seller fails to meet the specified delivery schedule.

4. **Ownership of Materials and Licenses.** All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data, software, and other information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any written material solely for Buyer's use of the Work. Buyer shall not disclose any such material to third parties without Seller's prior written consent. Buyer grants Seller a non-exclusive, non-transferable license to use Buyer's name and logo for marketing purposes, including but not limited to, press releases, marketing and promotional materials, and web site content.

5. **Changes.** Neither party shall implement any changes in the scope of Work described in Seller's Documentation without a mutually agreed upon change order. Any change to the scope of the Work, delivery schedule for the Work, any Force Majeure Event, any law, rule, regulation, order, code, standard or requirement which requires any change hereunder shall entitle Seller to an equitable adjustment in the price and time of performance. If Buyer requests a proposal for a change in the Work from Seller and subsequently elects not to proceed with the change, a change order shall be issued to reimburse Seller for reasonable costs incurred for estimating services, design services, and services involved in the preparation of proposed changes.

6. **Force Majeure Event.** Neither Buyer nor Seller shall have any liability for any breach or delay (except for breach of payment obligations) caused by a Force Majeure Event. If a Force Majeure Event exceeds six (6) months in duration, the Seller shall have the right to terminate the Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment, including overhead and profit, for work performed prior to the date of termination. "Force Majeure Event" shall mean events or circumstances that are beyond the affected party's control and could not reasonably have been easily avoided or overcome by the affected party and are not substantially attributable to the other party. Force Majeure Event may include, but is not limited to, the following circumstances or events: war, act of foreign enemies, terrorism, riot, strike, or lockout by persons other than by Seller or its sub-suppliers, natural catastrophes, (with respect to on-site work) unusual weather conditions, epidemic, pandemic, communicable disease outbreak, quarantines, national emergency, or state or local order.

7. **Warranty.** Subject to the following sentence, Seller warrants to Buyer that the (i) Work shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship and (ii) the Services shall be performed in a timely and workmanlike manner. Determination of suitability of treated water for any use by Buyer shall be the sole and exclusive responsibility of Buyer, and Seller disclaims any warranty regarding such suitability. The foregoing warranty shall not apply to any Work that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. The Seller warrants the Work, or any components thereof, through the

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earlier of (i) eighteen (18) months from delivery of the Work, or (ii) twelve (12) months from Buyer's initial operation of the Work, or in the case of services performed as part of the Work, ninety (90) days from the performance of the services (the "Warranty Period"). If Buyer gives Seller prompt written notice of breach of this warranty within the Warranty Period, Seller shall, at its sole option and as Buyer's sole and exclusive remedy, repair or replace the subject parts, re-perform the Service or refund the purchase price. Unless otherwise agreed to in writing by Seller, (i) Buyer shall be responsible for any labor required to gain access to the Work so that Seller can assess the available remedies and (ii) Buyer shall be responsible for all costs of installation of repaired or replaced Work. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (i) operating and maintaining the Work in accordance with Seller's instructions, (ii) not making any unauthorized repairs or alterations, and (iii) not being in default of any payment obligation to Seller. Seller's warranty does not cover (i) damage caused by chemical action or abrasive material, improper thermal or electrical capacity, misuse or improper installation (unless installed by Seller) and (ii) media goods (such as, but not limited to, resin, membranes, or granular activated carbon media) once media goods are installed. THE WARRANTIES SET FORTH IN THIS SECTION ARE THE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO THE LIMITATION OF LIABILITY PROVISION BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

8. **Indemnity.** Seller shall indemnify, defend, and hold Buyer harmless from any claim, cause of action, or liability incurred by Buyer as a result of third-party claims for personal injury, death, or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (i) promptly notifying Seller of any claim, and (ii) providing reasonable cooperation in the defense of any claim. Buyer shall indemnify, defend, and hold harmless Seller from any claim, cause of action, or liability incurred by Seller as a result of third-party claims for personal injury, death, or damage to tangible property, to the extent caused by Buyer's negligence. Buyer shall have the sole authority to direct the defense of and settle any such indemnified claim. Buyer's indemnification is conditioned on Seller (i) promptly notifying Buyer of any claim, and (ii) providing reasonable cooperation in the defense of any claim.

9. **Assignment.** Neither party may assign this Agreement, in whole or in part, nor any rights or obligations hereunder without the prior written consent of the other party; provided, however, the Seller may assign its rights and obligations under these terms to its affiliates or in connection with the sale or transfer of the Seller's business, and Seller may grant a security interest in the Agreement and/or assign proceeds of the agreement without Buyer's consent.

10. **Termination.** Either party may, in addition to any other available remedy, terminate this agreement for a material breach upon issuance of a written notice of the breach and expiration of a thirty (30) day cure period. In the event of (i) a voluntary or involuntary petition in bankruptcy, (ii) an assignment for the benefit of a creditor, or (iii) a receivership, liquidation, or dissolution, Seller may terminate the agreement immediately, in addition to seeking any other available remedy. If Buyer suspends an order without a change order for ninety (90) or more days, Seller may thereafter terminate this Agreement without liability, upon fifteen (15) days written notice to Buyer, and shall be entitled to payment for work performed, whether delivered or undelivered, prior to the date of termination.

11. **Dispute Resolution.** In the event of any claim, dispute, or controversy arising out of or relating in any way to this Agreement (collectively, a "Claim"), Seller and Buyer shall first negotiate in good faith in an effort to resolve the Claim. If, despite good faith efforts, the parties are unable to resolve a Claim through negotiations, the parties shall mediate the Claim in accordance with the commercial mediation procedures of the American Arbitration Association ("AAA"), with such mediation to take place in Pittsburgh, Pennsylvania. If the parties are unable to resolve the Claim through such mediation, then the Claim shall be resolved through final and binding arbitration pursuant to the commercial arbitration procedures of the AAA, with such arbitration to take place in Pittsburgh, Pennsylvania before one arbitrator, who shall have authority to rule on jurisdiction over the Claim. Seller and Buyer agree to the exclusive jurisdiction of the federal and state courts situated in Allegheny County, Pennsylvania for purposes of entering judgment upon the arbitrator's award. The substantially prevailing party, as determined by the arbitrator, shall be entitled to recover all costs, expenses, and charges, including, without limitation, reasonable attorneys' fees and expert witness fees, incurred in connection with the Claim. In case of an Agreement under which Seller ships the Work outside of the United States, or under which Seller's and Buyer's places of business are in different countries, any Claim which is not resolved by the good faith negotiations and mediation required by this Section shall then be determined by arbitration administered by the International Center for Dispute Resolution in accordance with its International Arbitration Rules, with such arbitration taking place in Pittsburgh, Pennsylvania, USA, before one arbitrator, with English as the language of the arbitration. This Agreement and any Claim shall be governed by the laws of the Commonwealth of Pennsylvania, without giving effect to the choice of law principles thereof.

12. **Export Compliance.** All items, and technologies, software, and work products are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. Any diversion contrary to U.S. law is prohibited. Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal, and usage of the Work provided under this Agreement, including any export

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license requirements. Buyer agrees that such Work shall not at any time directly or indirectly be used, exported, sold, transferred, assigned, or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.

13. **Anti-Kickback Statute - Discounts.** It is the intent of both Buyer and Seller to comply with the Anti-Kickback Statute (42 U.S.C. §1320a-7b(b)) and the Discount Safe Harbor and Warranties Safe Harbor regulations set forth in 42 C.F.R. 1001.952(h) and (g), respectively. Buyer's price may constitute a 'discount or other reduction in price' under the Anti-Kickback Statute. Seller shall provide Buyer with invoices that fully and accurately disclose the discounted price of all Products purchased under this Agreement to allow Buyer to comply with this Section and the Discount Safe Harbor regulations, including sufficient information to enable it to accurately report its actual cost for all purchases of Products. Buyer acknowledges that, if applicable, it will fully and accurately report all discounts or other price reductions, including warranty items, in the costs claimed or charges made under any Federal or State healthcare program and provide information upon request to third party reimbursement programs, including Medicare and Medicaid. Buyer will be solely responsible for determining whether any savings or discount or warranty item it receives must be reported or passed on to payors.

14. **Federal Program Participation.** Seller represents and warrants that neither it nor any of its current directors, officers, or key personnel: (i) are currently excluded, debarred or otherwise ineligible to participate in federal health care programs as defined in 42 U.S.C. §1320a-7b(f) (the "Federal Healthcare Programs"); (ii) have been convicted of a criminal offense related to the provision of healthcare items or services during the last five (5) years; or (iii) have been excluded, debarred or otherwise declared ineligible to participate during the last five (5) years in Federal Healthcare Programs. Seller will notify Buyer of any change in the status of the representations and warranties set forth above.

15. **Limitation of liability.** NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE WORK, INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR ALL WARRANTY CLAIMS OR FOR ANY BREACH OR FAILURE TO PERFORM ANY OBLIGATION UNDER THE AGREEMENT, SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE WORK. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.

16. **Miscellaneous.** These terms, together with any related Contract Documents issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. To the extent the Agreement is considered a subcontract under Buyer's prime contract with an agency of the United States government, in case of Federal Acquisition Regulations (FARs) flow down terms, Seller will be in compliance with Section 44.403 of the FAR relating to commercial items and those additional clauses as specifically listed in 52.244-6, Subcontracts for Commercial Items (OCT 2014). If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. The Agreement shall be governed by the laws of the Commonwealth of Pennsylvania without regard to its conflict of laws provisions. Both Buyer and Seller reject the applicability of the United Nations Convention on Contracts for the international sales of goods to the relationship between the parties and to all transactions arising from said relationship.

Only in the event that the Work contemplated in this Order is related to the provision of medical devices, the following additional terms apply:

17. **Medical Devices Act and Regulatory Disclaimer.** Buyer acknowledges that it is familiar with the U.S. Safe Medical Devices Act of 1990 (the "Devices Act") and the reporting obligations imposed on device users thereunder. In this regard, Buyer agrees to notify Seller within ten (10) days of the occurrence of any event identified in the Devices Act imposing a reporting obligation on Buyer and/or Seller (except for events representing an imminent hazard that require notification to the United States Food and Drug Administration (the "FDA") within seventy-two (72) hours (or such shorter time as required by law), in which case, such notice will be delivered to the FDA and Seller within said period). Buyer will maintain adequate tracking for the Products to enable Seller to meet the FDA requirements applicable to the tracking of medical devices. Although Seller has the required registrations, approvals, and licenses (e.g., U.S. 510(k) pre-market notifications) for all or substantially all of its systems, the purchase of parts and system components from Seller does not provide 510(k) compliance or compliance under any other law, rule or regulation for Buyer's system.

Award #3 Supporting Documents 5/22/2025

Only in the event that the Work contemplated in this Order is related to the provision of leased or rented equipment (“Leased Equipment”), the following additional terms apply:

18. **Rental Equipment / Services.** Any Leased Equipment provided by Seller shall at all times be the property of Seller with the exception of certain miscellaneous installation materials purchased by the Buyer, and no right or property interest is transferred to the Buyer, except the right to use any such Leased Equipment as provided herein. Buyer agrees that it shall not pledge, lend, or create a security interest in, part with possession of, or relocate the Leased Equipment. Buyer shall be responsible to maintain the Leased Equipment in good and efficient working order. At the end of the initial term specified in the order, the terms shall automatically renew for the identical period unless canceled in writing by Buyer or Seller not sooner than three (3) months nor later than one (1) month from termination of the initial order or any renewal terms. Upon any renewal, Seller shall have the right to issue notice of increased pricing which shall be effective for any renewed terms unless Buyer objects in writing within fifteen (15) days of issuance of said notice. If Buyer timely cancels service in writing prior to the end of the initial or any renewal term this shall not relieve Buyer of its obligations under the order for the monthly rental service charge which shall continue to be due and owing. Upon the expiration or termination of this Agreement, Buyer shall promptly make any Leased Equipment available to Seller for removal. Buyer hereby agrees that it shall grant Seller access to the Leased Equipment location and shall permit Seller to take possession of and remove the Leased Equipment without resort to legal process and hereby releases Seller from any claim or right of action for trespass or damages caused by reason of such entry and removal.

Accepted by: _____

Print: _____

Date: _____

Project Cost Estimate Breakdown

Cost Category	Project Request	10% Design	30% Design	60% Design	90% Design
Project Management					
JEA Labor/Materials					
Material					
Labor and Equipment					
Contingency					
Total					

Index:	711-59	Updated By:	K Eickelberg
CP Number:	CP711-59	On Date:	3/3/2025
Footprint Number:			
Title:	Buckman WRF - Primary Tank Chain and Flight Replacement 2025		
Address:	2221 Buckman St. Jacksonville, FL 32206		
Category Type:	S-R&R Treatment		
Key Driver:	Replacement/Modernization	Renewal & Replacement Project?	Yes
County:	Duval	For Future Customer Growth?	No
Council District (Duval):	7	Facilities Impact:	No
Plant/Facility Impact:	S-Buckman	Security Impact:	No
W/S Grid Impact:	S-Buckman	Telecom Impact:	No
E Circuits Impact:		Storm Hardening:	No
What type of project will this be?	Unique/Discrete	Joint Agency:	
		Environmental:	
Start/Lead Date:	4/1/2025	Env Permitting Required?	No
In-Service Date:	3/15/2026	Reimbursable:	
Completion Date:	3/15/2026		
Project Duration:	Less than a year		
Stakeholders:	PM K Eickelberg	Manager M Dvoroznak	Director B Wagoner
			Senior Dir / VP H Vu
Current Funding:	Approved Funding	Encumbrance	Actuals
			Funds Available
Work Orders	\$766,522.00	\$0.00	\$0.00
25317004	766,522.00	-	-

	FY25	FY26
FORECAST:	766,522	1,123,478
APPROVED:	766,522	1,123,478

1. SUMMARY

Evoqua Water Technologies LLC (Evoqua) proposes to furnish the equipment specified in accordance to the scope of supply described in this proposal and subject to the Clarification and Standard Terms of Sale stated herein.

The information in this proposal is confidential and/or proprietary and has been prepared for the recipient's use in considering the purchase of the equipment and/or services described herein. No disclosure of all or any part of this information to others, or use by the recipient, for other purposes is prohibited without Evoqua's prior written consent.

ITEM & DESCRIPTION	PRICE
CHAIN & FLIGHT CLARIFIER EQUIPMENT AND DEMO & INSTALLATION	\$1,780,000

E. PAYMENT AND PRICE TERMS: The terms of payment are net 30 in accordance with the following milestones:

- \$178,316 on order;
- \$20,092 upon issuance of Payment Bond and Performance Bond;
- \$551,036 upon shipment of equipment;
- \$344,572 on installation of equipment – tanks 1 and 2;
- \$344,572 on installation of equipment – tanks 3 through 5;
- \$344,572 on installation of equipment – tanks 6 through 8;

100% Design	Construction
	\$10,000
	\$556,240
	\$1,243,760
	\$80,000
	\$1,890,000



in this Proposal in
Conditions/Exceptions

is intended solely for the
use herein. Transmis-
sions is expressly

E
\$3,160.00 USD

the following



2500 West Loop South, Ste.
410/510
Houston, TX 77027 USA
713.218.5000

QUOTE

AAAQ461412-02

Quote #:	AAAQ461412-02
Date:	05/19/2025
Valid for:	30 Days

Customer	Inside Sales	Account Manager
JEA (Jacksonville Energy Authority) willcj2@jea.com (904) 665-6000	Nick Ianus NIanus@netsync.com	Nick Ianus nianus@netsync.com

Please send purchase order to: PO@netsync.com

Line #	Part	Description	Qty	Unit Price	Ext Price
Main Site				Sub Total 2,507,561.81	
Default Group (6/1/25-5/31/28) (07/01/2025-07/01/2028)					
1.0	PA-PRORATED-CREDIT-SUBS	Prorated Credit for unused subscriptions Unit Price: 91,072.75 Each per Year Duration: 3 Years, Billing Frequency: Prepaid	-1	91,072.75	-91,072.75
2.0	PAN-DLP-SUB-ELA-A-3YR	Enterprise License Agreement, DLP, 3 year, Tier A Unit Price: 537,500.00 Each per Year Duration: 3 Years, Billing Frequency: Prepaid	1	537,500.00	537,500.00
3.0	PAN-ENT-SUB-ELA-A-3YR	Enterprise License Agreement, ATP, ADNS, ADV URL, AWF, GP, ASD-WAN, 3 year, Tier A Unit Price: 1,352,500.00 Each per Year Duration: 3 Years, Billing Frequency: Prepaid	1	1,352,500.00	1,352,500.00
4.0	PA-PRORATED-CREDIT-SUP	Prorated Credit for Support Changes Unit Price: 22,115.44 Each per Year Duration: 3 Years, Billing Frequency: Prepaid	-1	22,115.44	-22,115.44
5.0	PAN-ENT-USG-ESA-A-3YR	Enterprise Support Agreement, 3 years US Government Premium Support, Tier A Unit Price: 730,750.00 Each per Year Duration: 3 Years, Billing Frequency: Prepaid	1	730,750.00	730,750.00
6.0	PAN-CONSULT-DLP-QS	QuickStart Service for DLP. 1 year	1	16,622.00	16,622.00
7.0	CSAT	Credt	-1	16,622.00	-16,622.00
8.0	TARIFF-AAAQ461412-02	The TARIFF cost if applicable from the manufacturer for the hardware portion will be calculated and incorporated into the invoice.	1	0.00	0.00

Notes: 220064638-173681-17

EA - Old Model with DLP w Cons Svcs
NASPO AR2472 | 7-17-70-40-05

Total	2,507,561.81
Tax/Vat	0.00
Shipping	0.00
Grand Total USD	2,507,561.81



STATE OF UTAH COOPERATIVE CONTRACT

1. CONTRACTING PARTIES: This contract is between the Division of Purchasing and the following Contractor:

Carahsoft Technology Corporation

 Name
1860 Michael Faraday Drive, Suite 100

 Address
Reston VA 20190

 City State Zip

LEGAL STATUS OF CONTRACTOR
 Sole Proprietor
 Non-Profit Corporation
 For-Profit Corporation
 Partnership
 Government Agency

Contact Person Bethany Blackwell Phone #703-230-7435 Email NASPO@carahsoft.com
 Vendor #VC0000116540 Commodity Code #920-05

2. GENERAL PURPOSE OF CONTRACT: Contractor is permitted to provide the Cloud Solutions identified in Attachment B to Participating States once a Participating Addendum has been signed
3. PROCUREMENT PROCESS: This contract is entered into as a result of the procurement process on Bid#CH16012.
4. CONTRACT PERIOD: Effective Date: 10/14/2016 Termination Date: 09/15/2026 unless terminated early or extended in accordance with the terms and conditions of this contract. Note: Pursuant to Solicitation #CH16012, Contract must re-certify its qualifications each year.
5. Administrative Fee, as described in the Solicitation and Attachment A: The Contractor shall pay to NASPO ValuePoint, or its assignee, a NASPO ValuePoint Administrative Fee of one-quarter of one percent (0.25% or 0.0025) no later than 60 days following the end of each calendar quarter. The NASPO ValuePoint Administrative Fee shall be submitted quarterly and is based on sales of the Services.
6. ATTACHMENT A: NASPO ValuePoint Master Terms and Conditions, including the attached Exhibits
 ATTACHMENT B: Scope of Services Awarded to Contractor
 ATTACHMENT C: Pricing Discounts and Pricing Schedule
 ATTACHMENT D: Contractor's Response to Solicitation #CH16012
 ATTACHMENT E: Service Offering EULAs

Any conflicts between Attachment A and the other Attachments will be resolved in favor of Attachment A.

8. DOCUMENTS INCORPORATED INTO THIS CONTRACT BY REFERENCE BUT NOT ATTACHED:
 - a. All other governmental laws, regulations, or actions applicable to the goods and/or services authorized by this contract.
 - b. Utah State Procurement Code and the Procurement Rules.
9. Each signatory below represents that he or she has the requisite authority to enter into this contract.

IN WITNESS WHEREOF, the parties sign and cause this contract to be executed.

CONTRACTOR


 Contractor's signature Date 10/11/16

STATE


 Director, Division of Purchasing Date 10.13.16

Robert Moore, Vice President

 Type or Print Name and Title

<u>Christopher Hughes</u>	<u>801-538-3254</u>		<u>christopherhughes@utah.gov</u>
Division of Purchasing Contact Person	Telephone Number	Fax Number	Email

Submit the Bid electronically as described in section 1.1.4 of the Solicitation.

Company Name: ACME Barricades

Company's Address: 9800 Normandy Blvd Jacksonville FL 32221

License Number: 59-3541899

Phone Number: 904-781-1950 FAX No: _____ Email Address: Cummings@acmebarricades.com

<p>BID SECURITY REQUIREMENTS</p> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Certified Check or Bond (Five Percent (5%))	<p>TERM OF CONTRACT</p> <input type="checkbox"/> One Time Purchase <input checked="" type="checkbox"/> Annual Requirements - 3 years, two (2), one (1) year renewals <input type="checkbox"/> Other, Specify - Project Completion
---	--

<p>SAMPLE REQUIREMENTS</p> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Samples required prior to Bid Opening <input type="checkbox"/> Samples may be required subsequent to Bid Opening	<p>SECTION 255.05, FLORIDA STATUTES CONTRACT BOND</p> <input checked="" type="checkbox"/> None required <input type="checkbox"/> Bond required 100% of Bid Award
---	--

<p>QUANTITIES</p> <input type="checkbox"/> Quantities indicated are exacting <input checked="" type="checkbox"/> Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.	<p>INSURANCE REQUIREMENTS</p> <p style="text-align: center;">Insurance required</p>
--	---

<p>PAYMENT DISCOUNTS</p> <input type="checkbox"/> 1% 20, net 30 <input type="checkbox"/> 2% 10, net 30 <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> None Offered	
--	--

ENTER YOUR BID FOR SOLICITATION 1411912646	TOTAL BID PRICE
Total Response Price (Enter total from Response Workbook: Cell F41)	<u>\$2,139,125.00</u>

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

BIDDER CERTIFICATION

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda

1 through 3

Christian Cummings
Handwritten Signature of Authorized Officer of Company or Agent

2/19/25
Date

Christian Cummings, CEO
Printed Name and Title

Award #5 Supporting Documents 5/22/2025

1411912646 Barricade Services
Appendix B - Response Workbook
(Only complete the prices in yellow cells)

Part I - JEA Barricade and Traffic Control Services

Company: **Acme Barricades LC**

Barricades (Temporary) Type I, II, VP & Drum
Temporary Work Zone Signs Portable or Stand Mounted
Type III Barricades with 2 Type "B" High Intensity Flasher Units Six Feet Long
Orange 36" Traffic Cones with two reflective collars at top of cone
Estimated quantities of rental equipment are based on past usage experience, which is approximately 7,500 tickets per year.

#	Description of Work	One Year Forecast	Five Year Forecast	Unit of Measure	Unit Price	Extended Price
1	Barricades - Fee based on the cost per ticket for the equipment (up to 28 pieces), placement, maintenance and pick-up of the requested barricades, regardless of duration.	260	1300	Event	\$ 100.00	\$ 130,000.00
1A	Barricades - for the scope of work in Item 1, for those locations requiring in excess of 28 barricades but are not included in Item 2, Lane Closure, regardless of duration.	25	125	Event	\$ 300.00	\$ 37,500.00
1B	Supply of Additional Barricades (This one time fee shall be assessed, when a Bid Item 1 Event has been completed and JEA requests additional barricades on the same request, regardless of duration.)	5	25	Per Event Fee	\$ 75.00	\$ 1,875.00
2	Lane Closures and Road Detours (Includes all necessary equipment to meet regulations), placement, maintenance and pickup regardless of duration.	645	3225	Event	\$ 375.00	\$ 1,209,375.00
2A	Fee for re-establishing existing Lane Closures and Road Detours (This line item charge will be used, when an existing Item 2 Lane Closure / Road Detour has been placed and broken down at the end of the day and stored on the job site and JEA needs the Lane Closure or Road Detour to be re-established the following day or a later date.)	20	100	Per event fee based on item 2 event	\$ 150.00	\$ 15,000.00
3	Fee for Lighted Arrow Board - includes deployment, and pick up - deployment included regardless of duration (one-time fee not to be charged along with line 2A)	40	200	Event	\$ 100.00	\$ 20,000.00
4	Solar Powered Message Boards - includes deployment, and pick up - deployment included regardless of duration (one-time fee not to be charged along with line 2A)	30	150	Event	\$ 100.00	\$ 15,000.00
5	After Normal Business Hours Call Out Fee. After 6:00 p.m. and before 7:00 a.m., seven (7) days a week and on Weekends and Holidays. (This line is a one time fee that may be charged for Bid Lines 1 through 4 above, based strictly on the time JEA places the call to the Vendor to schedule placement, NOT time of placement.)	110	550	Per Event Fee	\$ 100.00	\$ 55,000.00
6	Maintenance and supply of the Yard Stock (400 pieces) Type III Barricades with 2 Type "B" High Intensity Flasher Units Six Feet Long - or - Barricades (Temporary) Type I, II, VP & Drum (or as regulations apply)	5	25	Monthly Flat Fee	\$ 5,000.00	\$ 125,000.00
6A	Maintenance and supply of the Yard Stock (Each additional piece in excess of 400 pieces listed in item 6)	250	1250	per barricade monthly fee	\$ 12.00	\$ 15,000.00
7	Flag-person - Hourly rate all inclusive of travel round trip to local office and transport. (Flag person time starts and stops when flagger arrives on the jobsite and leaves the jobsite).	40	200	Per Hour	\$ 50.00	\$ 10,000.00
7A	Night Time - Flag-person - Hourly rate all inclusive of travel round trip to local office and transport. (Flag person time starts and stops when flagger arrives on the jobsite and leaves the jobsite). Additionally, the Flag person shall bring or be provided the appropriate equipment, lighting included in the hourly rate.	8	40	Per Hour	\$ 60.00	\$ 2,400.00
8	Water Filled Barrier Wall	2500	12500	Per LF	\$ 15.00	\$ 187,500.00
9	Supplemental Work Authorization (SWA)	-	1	-	\$ 150,000.00	\$ 150,000.00
JEA Response subtotal (Enter this amount on the Response Form Page 1 Line 1)						\$ 1,973,650.00

Part II - Rental Services in support of the City of Jacksonville's Streets and Right of Way and Stormwater Maintenance (RWSM) Division

#	Description of Work	One Year Forecast	Five Year Forecast	Unit of Measure	Unit Price	Extended Price
9	Rental Class "B" (Type 1) Barricades with type "A" Flasher Unit	25000	125000	Each Day	\$ 1.10	\$ 137,500.00
10	Rental Jay Barricades	1000	5000	Each Day	\$ 0.25	\$ 1,250.00
11	Rental Small Temporary Metal Construction Signs Barricade or Stand Mounted	900	4500	Each Day	\$ 1.00	\$ 4,500.00
12	Rental Type III Barricades with 2 Type "B" High Intensity Flasher Units Six Feet Long	50	250	Each Day	\$ 1.00	\$ 250.00
13	Lane Closures (Includes all necessary equipment to meet regulations)	1	5	Per Event	\$ 500.00	\$ 2,500.00
13A	Daily rental rate past 24 hours	10	50	Each Day	\$ 35.00	\$ 1,750.00
14	Rental Orange 36" Traffic Cones with two reflective collars at top of cone	200	1000	Each Day	\$ 1.00	\$ 1,000.00
15	Rental Arrow-Board, Lighted	5	25	Each Day	\$ 15.00	\$ 375.00
16	Solar Powered Message Boards	1	5	Each Day	\$ 50.00	\$ 250.00
17	One Time Emergency Call Out Fee for After Hours and Weekends (After 6:00 PM M-F, Weekends and Holidays) and before 7:00 AM M-F	30	150	Per Event	\$ 100.00	\$ 15,000.00
18	Drums with Flashers	200	1000	Each Day	\$ 1.10	\$ 1,100.00
City of Jacksonville Response Subtotal (Enter this amount on the Response Form Page 1 Line 2)						\$ 165,475.00

TOTAL RESPONSE PRICE - Enter this amount on the Response Form, Page 1	2,139,125.00
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**1411912646 Barricade Services
Evaluation Scoring Summary
Final Round**

Vendor Rankings	Erin Ruddock	Whitney Saunders	Kyle Schoettler	Σ Rank			Total Score	Rank
ACME Barricades	1	1	1	3			260	1
Bob's Barricades, Inc.	2	2	2	6			249	2

Erin Ruddock	Quotation of Rates (45 Points)	Past Performance / Experience Evaluation (20 Points)	Equipment List (10 Points)	Organizational Structure (10 Points)	Quality Metrics (10 Points)	JSEB (5 Points)	Total	Rank
ACME Barricades	43.34	20.00	6.50	9.00	6.50	0.00	85.34	1
Bob's Barricades, Inc.	45.00	20.00	5.00	6.50	8.00	0.00	84.50	2

Whitney Saunders	Quotation of Rates (45 Points)	Past Performance / Experience Evaluation (20 Points)	Equipment List (10 Points)	Organizational Structure (10 Points)	Quality Metrics (10 Points)	JSEB (5 Points)	Total	Rank
ACME Barricades	43.34	20.00	10.00	9.00	5.00	0.00	87.34	1
Bob's Barricades, Inc.	45.00	20.00	6.00	4.00	6.00	0.00	81.00	2

Kyle Schoettler	Quotation of Rates (45 Points)	Past Performance / Experience Evaluation (20 Points)	Equipment List (10 Points)	Organizational Structure (10 Points)	Quality Metrics (10 Points)	JSEB (5 Points)	Total	Rank
ACME Barricades	43.34	20.00	10.00	9.00	5.00	0.00	87.34	1
Bob's Barricades, Inc.	45.00	20.00	10.00	3.50	5.00	0.00	83.50	2

Overall Sum Scores	Quotation of Rates (45 Points)	Past Performance / Experience Evaluation (20 Points)	Equipment List (10 Points)	Organizational Structure (10 Points)	Quality Metrics (10 Points)	JSEB (5 Points)	Total
ACME Barricades	130.01	60.00	26.50	27.00	16.50	0.00	260.01
Bob's Barricades, Inc.	135.00	60.00	21.00	14.00	19.00	0.00	249.00

Overall Averages	Quotation of Rates (45 Points)	Past Performance / Experience Evaluation (20 Points)	Equipment List (10 Points)	Organizational Structure (10 Points)	Quality Metrics (10 Points)	JSEB (5 Points)	Total
ACME Barricades	43.34	20.00	8.83	9.00	5.50	0.00	255.01
Bob's Barricades, Inc.	45.00	20.00	7.00	4.67	6.33	0.00	226.00

Award #6 Supporting Documents 5/22/2025

GRESCO								
JEA Item ID	Individual Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
METAD002	26	39	31	35	65	57	61	61
METAD003	55	39	31	35	94	86	90	90
METAD004	0	39	31	35	39	31	35	35
METCT001	60	39	31	35	99	91	95	95
METCT002	57	39	31	35	96	88	92	92
METCT003	55.45	39	31	35	94.45	86.45	90.45	90.45
METCT004	60	39	31	35	99	91	95	95
METCT007	46	39	31	35	85	77	81	81
METCT008	46	39	31	35	85	77	81	81
METCT009	46	39	31	35	85	77	81	81
METCT010	46	39	31	35	85	77	81	81
METCT011	38	39	31	35	77	69	73	73
METCT017	50	39	31	35	89	81	85	85
METCT018	58	39	31	35	97	89	93	93
METCT019	55.44	39	31	35	94.44	86.44	90.44	90.44
METCT022	60	39	31	35	99	91	95	95
METCT023	60	39	31	35	99	91	95	95
METCT024	60	39	31	35	99	91	95	95
METCT025	57	39	31	35	96	88	92	92
METCT026	57	39	31	35	96	88	92	92
METCT027	57	39	31	35	96	88	92	92
METHU001	59	39	31	35	98	90	94	94
METHU002	59	39	31	35	98	90	94	94
METHU003	59	39	31	35	98	90	94	94
METHU004	59	39	31	35	98	90	94	94
METHU005	59	39	31	35	98	90	94	94
METHU007	59	39	31	35	98	90	94	94
METHU008	58	39	31	35	97	89	93	93
METHU009	59	39	31	35	98	90	94	94
METLK004	51	39	31	35	90	82	86	86
METLK005	52	39	31	35	91	83	87	87
METLK006	51	39	31	35	90	82	86	86
METLK007	56	39	31	35	95	87	91	91
METLK008	50	39	31	35	89	81	85	85
METLK010	51	39	31	35	90	82	86	86
METLK011	51	39	31	35	90	82	86	86
METLK018	51	39	31	35	90	82	86	86
METLK019	42	39	31	35	81	73	77	77
METLK021	48	39	31	35	87	79	83	83
METLK022	48	39	31	35	87	79	83	83
METSE001	17	39	31	35	56	48	52	52
METSE002	22	39	31	35	61	53	57	57
METSE003	22	39	31	35	61	53	57	57
METSE004	22	39	31	35	61	53	57	57
METSE005	22	39	31	35	61	53	57	57
METSE006	22	39	31	35	61	53	57	57
METSE007	0	39	31	35	39	31	35	35
METSE008	22	39	31	35	61	53	57	57

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METSE031	46	39	31	35	85	77	81	81
METSE011	0	39	31	35	39	31	35	35
METSE022	0	39	31	35	39	31	35	35
METSO005	0	39	31	35	39	31	35	35
METSO006	58	39	31	35	97	89	93	93
METSO007	58	39	31	35	97	89	93	93
METSO008	0	39	31	35	39	31	35	35
METSO009	0	39	31	35	39	31	35	35
METSO012	0	39	31	35	39	31	35	35
METTS002	57	39	31	35	96	88	92	92
METTS003	52	39	31	35	91	83	87	87
METVT001	56	39	31	35	95	87	91	91
METVT002	0	39	31	35	39	31	35	35
METVT003	48	39	31	35	87	79	83	83
METVT004	60	39	31	35	99	91	95	95
METWN001	0	39	31	35	39	31	35	35
METWN002	0	39	31	35	39	31	35	35
METBK001	0	39	31	35	39	31	35	35
METCN001	0	39	31	35	39	31	35	35
METCT013	60	39	31	35	99	91	95	95
METCT014	60	39	31	35	99	91	95	95
METCT015	60	39	31	35	99	91	95	95
METCT016	60	39	31	35	99	91	95	95
METDS001	0	39	31	35	39	31	35	35
METEN002	58	39	31	35	97	89	93	93
METJU001	45	39	31	35	84	76	80	80
METPI001	43	39	31	35	82	74	78	78
METRI001	49	39	31	35	88	80	84	84
METRI002	49	39	31	35	88	80	84	84
METSA001	0	39	31	35	39	31	35	35

GRESKO								
JEA Item ID	Bucket Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
Bucket 1	0	39	31	35	39	31	35	35
Bucket 2	56	39	31	35	95	87	91	91
Bucket 3	58	39	31	35	97	89	93	93
Bucket 4	51	39	31	35	90	82	86	86
Bucket 5	27	39	31	35	66	58	62	62

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IRBY								
JEA Item ID	Individual Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
METAD002	44	32	26	33	76	70	77	74
METAD003	47	32	26	33	79	73	80	77
METAD004	55	32	26	33	87	81	88	85
METCT001	59	32	26	33	91	85	92	89
METCT002	60	32	26	33	92	86	93	90
METCT003	60	32	26	33	92	86	93	90.33
METCT004	57	32	26	33	89	83	90	87
METCT007	60	32	26	33	92	86	93	90
METCT008	60	32	26	33	92	86	93	90
METCT009	60	32	26	33	92	86	93	90
METCT010	60	32	26	33	92	86	93	90
METCT011	60	32	26	33	92	86	93	90
METCT017	60	32	26	33	92	86	93	90
METCT018	60	32	26	33	92	86	93	90
METCT019	60	32	26	33	92	86	93	90.33
METCT022	49	32	26	33	81	75	82	79
METCT023	49	32	26	33	81	75	82	79
METCT024	49	32	26	33	81	75	82	79
METCT025	60	32	26	33	92	86	93	90
METCT026	60	32	26	33	92	86	93	90
METCT027	60	32	26	33	92	86	93	90
METHU001	60	32	26	33	92	86	93	90
METHU002	57	32	26	33	89	83	90	87
METHU003	57	32	26	33	89	83	90	87
METHU004	57	32	26	33	89	83	90	87
METHU005	57	32	26	33	89	83	90	87
METHU007	57	32	26	33	89	83	90	87
METHU008	57	32	26	33	89	83	90	87
METHU009	57	32	26	33	89	83	90	87
METLK004	60	32	26	33	92	86	93	90
METLK005	57	32	26	33	89	83	90	87
METLK006	60	32	26	33	92	86	93	90
METLK007	60	32	26	33	92	86	93	90
METLK008	60	32	26	33	92	86	93	90
METLK010	60	32	26	33	92	86	93	90
METLK011	60	32	26	33	92	86	93	90
METLK018	60	32	26	33	92	86	93	90
METLK019	57	32	26	33	89	83	90	87
METLK021	56	32	26	33	88	82	89	86
METLK022	56	32	26	33	88	82	89	86
METSE001	51	32	26	33	83	77	84	81
METSE002	51	32	26	33	83	77	84	81
METSE003	51	32	26	33	83	77	84	81
METSE004	51	32	26	33	83	77	84	81
METSE005	51	32	26	33	83	77	84	81
METSE006	51	32	26	33	83	77	84	81
METSE007	51	32	26	33	83	77	84	81
METSE008	51	32	26	33	83	77	84	81

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METSE031	60	32	26	33	92	86	93	90
METSE011	0	32	26	33	32	26	33	30
METSE022	51	32	26	33	83	77	84	81
METSO005	0	32	26	33	32	26	33	30
METSO006	60	32	26	33	92	86	93	90
METSO007	60	32	26	33	92	86	93	90
METSO008	0	32	26	33	32	26	33	30
METSO009	0	32	26	33	32	26	33	30
METSO012	0	32	26	33	32	26	33	30
METTS002	60	32	26	33	92	86	93	90
METTS003	60	32	26	33	92	86	93	90
METVT001	60	32	26	33	92	86	93	90
METVT002	53	32	26	33	85	79	86	83
METVT003	37	32	26	33	69	63	70	67
METVT004	0	32	26	33	32	26	33	30
METWN001	0	32	26	33	32	26	33	30
METWN002	0	32	26	33	32	26	33	30
METBK001	60	32	26	33	92	86	93	90
METCN001	57	32	26	33	89	83	90	87
METCT013	0	32	26	33	32	26	33	30
METCT014	0	32	26	33	32	26	33	30
METCT015	0	32	26	33	32	26	33	30
METCT016	0	32	26	33	32	26	33	30
METDS001	60	32	26	33	92	86	93	90
METEN002	60	32	26	33	92	86	93	90
METJU001	60	32	26	33	92	86	93	90
METPI001	51	32	26	33	83	77	84	81
METRI001	60	32	26	33	92	86	93	90
METRI002	60	32	26	33	92	86	93	90
METSA001	0	32	26	33	32	26	33	30

IRBY								
JEA Item ID	Bucket Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
Bucket 1	55	32	26	33	87	81	88	85
Bucket 2	60	32	26	33	92	86	93	90
Bucket 3	59	32	26	33	91	85	92	89
Bucket 4	60	32	26	33	92	86	93	90
Bucket 5	57	32	26	33	89	83	90	87

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TRI-STATE								
JEA Item ID	Individual Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
METAD002	54	37	31	35	91	85	89	88
METAD003	56	37	31	35	93	87	91	90
METAD004	56	37	31	35	93	87	91	90
METCT001	58	37	31	35	95	89	93	92
METCT002	55	37	31	35	92	86	90	89
METCT003	54	37	31	35	91	85	89	88
METCT004	58	37	31	35	95	89	93	92
METCT007	44	37	31	35	81	75	79	78
METCT008	44	37	31	35	81	75	79	78
METCT009	44	37	31	35	81	75	79	78
METCT010	44	37	31	35	81	75	79	78
METCT011	37	37	31	35	74	68	72	71
METCT017	48	37	31	35	85	79	83	82
METCT018	55	37	31	35	92	86	90	89
METCT019	53	37	31	35	90	84	88	87
METCT022	58	37	31	35	95	89	93	92
METCT023	58	37	31	35	95	89	93	92
METCT024	58	37	31	35	95	89	93	92
METCT025	56	37	31	35	93	87	91	90
METCT026	56	37	31	35	93	87	91	90
METCT027	56	37	31	35	93	87	91	90
METHU001	49	37	31	35	86	80	84	83
METHU002	47	37	31	35	84	78	82	81
METHU003	47	37	31	35	84	78	82	81
METHU004	47	37	31	35	84	78	82	81
METHU005	47	37	31	35	84	78	82	81
METHU007	47	37	31	35	84	78	82	81
METHU008	47	37	31	35	84	78	82	81
METHU009	47	37	31	35	84	78	82	81
METLK004	55	37	31	35	92	86	90	89
METLK005	54	37	31	35	91	85	89	88
METLK006	56	37	31	35	93	87	91	90
METLK007	53	37	31	35	90	84	88	87
METLK008	53	37	31	35	90	84	88	87
METLK010	53	37	31	35	90	84	88	87
METLK011	53	37	31	35	90	84	88	87
METLK018	53	37	31	35	90	84	88	87
METLK019	46	37	31	35	83	77	81	80
METLK021	53	37	31	35	90	84	88	87
METLK022	53	37	31	35	90	84	88	87
METSE001	54	37	31	35	91	85	89	88
METSE002	57	37	31	35	94	88	92	91
METSE003	54	37	31	35	91	85	89	88
METSE004	57	37	31	35	94	88	92	91
METSE005	57	37	31	35	94	88	92	91
METSE006	57	37	31	35	94	88	92	91
METSE007	54	37	31	35	91	85	89	88
METSE008	54	37	31	35	91	85	89	88

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METSE031	50	37	31	35	87	81	85	84
METSE011	37	37	31	35	74	68	72	71
METSE022	51	37	31	35	88	82	86	85
METSO005	0	37	31	35	37	31	35	34
METSO006	48	37	31	35	85	79	83	82
METSO007	48	37	31	35	85	79	83	82
METSO008	60	37	31	35	97	91	95	94
METSO009	60	37	31	35	97	91	95	94
METSO012	60	37	31	35	97	91	95	94
METTS002	56	37	31	35	93	87	91	90
METTS003	55	37	31	35	92	86	90	89
METVT001	55	37	31	35	92	86	90	89
METVT002	0	37	31	35	37	31	35	34
METVT003	47	37	31	35	84	78	82	81
METVT004	59	37	31	35	96	90	94	93
METWN001	0	37	31	35	37	31	35	34
METWN002	0	37	31	35	37	31	35	34
METBK001	42	37	31	35	79	73	77	76
METCN001	0	37	31	35	37	31	35	34
METCT013	58	37	31	35	95	89	93	92
METCT014	58	37	31	35	95	89	93	92
METCT015	58	37	31	35	95	89	93	92
METCT016	58	37	31	35	95	89	93	92
METDS001	56	37	31	35	93	87	91	90
METEN002	50	37	31	35	87	81	85	84
METJU001	49	37	31	35	86	80	84	83
METPI001	60	37	31	35	97	91	95	94
METRI001	52	37	31	35	89	83	87	86
METRI002	52	37	31	35	89	83	87	86
METSA001	0	37	31	35	37	31	35	34

TRI-STATE								
JEA Item ID	Bucket Pricing Score (60 Points)	Evaluator A points	Evaluator B points	Evaluator C points	Total Score per Item Evaluator A	Total Score per Item Evaluator B	Total Score per Item Evaluator C	Average Score
Bucket 1	56	37	31	35	93	87	91	90
Bucket 2	55	37	31	35	92	86	90	89
Bucket 3	49	37	31	35	86	80	84	83
Bucket 4	56	37	31	35	93	87	91	90
Bucket 5	58	37	31	35	95	89	93	92

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WESCO								
JEA Item ID	Individual Pricing Score (60 Points)	Evaluator A Points	Evaluator B Points	Evaluator C Points	Total Score per Evaluator A	Total Score per Evaluator B	Total Score per Evaluator C	Average Score
METAD002	60	37	31	35	97	91	95	94
METAD003	60	37	31	35	97	91	95	94
METAD004	60	37	31	35	97	91	95	94
METCT001	47	37	31	35	84	78	82	81
METCT002	55	37	31	35	92	86	90	89
METCT003	48	37	31	35	85	79	83	82
METCT004	45	37	31	35	82	76	80	79
METCT007	41	37	31	35	78	72	76	75
METCT008	40	37	31	35	77	71	75	74
METCT009	38	37	31	35	75	69	73	72
METCT010	37	37	31	35	74	68	72	71
METCT011	37	37	31	35	74	68	72	71
METCT017	58	37	31	35	95	89	93	92
METCT018	53	37	31	35	90	84	88	87
METCT019	54	37	31	35	91	85	89	88
METCT022	59	37	31	35	96	90	94	93
METCT023	57	37	31	35	94	88	92	91
METCT024	56	37	31	35	93	87	91	90
METCT025	57	37	31	35	94	88	92	91
METCT026	57	37	31	35	94	88	92	91
METCT027	57	37	31	35	94	88	92	91
METHU001	60	37	31	35	97	91	95	94
METHU002	60	37	31	35	97	91	95	94
METHU003	60	37	31	35	97	91	95	94
METHU004	60	37	31	35	97	91	95	94
METHU005	60	37	31	35	97	91	95	94
METHU007	60	37	31	35	97	91	95	94
METHU008	60	37	31	35	97	91	95	94
METHU009	60	37	31	35	97	91	95	94
METLK004	60	37	31	35	97	91	95	94
METLK005	60	37	31	35	97	91	95	94
METLK006	59	37	31	35	96	90	94	93
METLK007	58	37	31	35	95	89	93	92
METLK008	58	37	31	35	95	89	93	92
METLK010	60	37	31	35	97	91	95	94
METLK011	60	37	31	35	97	91	95	94
METLK018	60	37	31	35	97	91	95	94
METLK019	60	37	31	35	97	91	95	94
METLK021	60	37	31	35	97	91	95	94
METLK022	60	37	31	35	97	91	95	94
METSE001	60	37	31	35	97	91	95	94
METSE002	60	37	31	35	97	91	95	94
METSE003	60	37	31	35	97	91	95	94
METSE004	60	37	31	35	97	91	95	94
METSE005	60	37	31	35	97	91	95	94
METSE006	60	37	31	35	97	91	95	94
METSE007	60	37	31	35	97	91	95	94
METSE008	60	37	31	35	97	91	95	94

Bucket 1

Bucket 2

Bucket 3

Bucket 4

Bucket 5

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METSE031	51	37	31	35	88	82	86	85	
METSE011	60	37	31	35	97	91	95	94	
METSE022	60	37	31	35	97	91	95	94	
METSO005	0	37	31	35	37	31	35	34	NO BID
METSO006	58	37	31	35	95	89	93	92	
METSO007	58	37	31	35	95	89	93	92	
METSO008	0	37	31	35	37	31	35	34	
METSO009	0	37	31	35	37	31	35	34	
METSO012	0	37	31	35	37	31	35	34	
METTS002	56	37	31	35	93	87	91	90	
METTS003	55	37	31	35	92	86	90	89	
METVT001	52	37	31	35	89	83	87	86	
METVT002	60	37	31	35	97	91	95	94	
METVT003	60	37	31	35	97	91	95	94	
METVT004	0	37	31	35	37	31	35	34	
METWN001	60	37	31	35	97	91	95	94	
METWN002	60	37	31	35	97	91	95	94	
METBK001	54	37	31	35	91	85	89	88	
METCN001	60	37	31	35	97	91	95	94	
METCT013	60	37	31	35	97	91	95	94	
METCT014	53	37	31	35	90	84	88	87	
METCT015	57	37	31	35	94	88	92	91	
METCT016	0	37	31	35	37	31	35	34	
METDS001	53	37	31	35	90	84	88	87	
METEN002	58	37	31	35	95	89	93	92	
METJU001	50	37	31	35	87	81	85	84	
METPI001	48	37	31	35	85	79	83	82	
METRI001	24	37	31	35	61	55	59	58	
METRI002	57	37	31	35	94	88	92	91	
METSA001	0	37	31	35	37	31	35	34	NO BID

WESCO								
JEA Item ID	Bucket Pricing Score (60 Points)	Evaluator A Points	Evaluator B Points	Evaluator C Points	Total Score per Evaluator A	Total Score per Evaluator B	Total Score per Evaluator C	Average Score
Bucket 1	60	37	31	35	97	91	95	94
Bucket 2	52	37	31	35	89	83	87	86
Bucket 3	60	37	31	35	97	91	95	94
Bucket 4	60	37	31	35	97	91	95	94
Bucket 5	60	37	31	35	97	91	95	94

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Intent to Award

JEA Item ID	Unit Price	5 Yr Estima	Extended price
METAD002	\$50.30	1	\$50.30
METAD003	\$123.15	6	\$738.90
METAD004	\$127.66	404	\$51,574.64
METHU001	\$2.44	1243	\$3,032.92
METHU002	\$3.83	30	\$114.90
METHU003	\$4.47	1	\$4.47
METHU004	\$4.47	1	\$4.47
METHU005	\$4.47	1	\$4.47
METHU007	\$13.72	1	\$13.72
METHU008	\$21.05	3	\$63.15
METHU009	\$23.66	4	\$94.64
METLK004	\$7.70	2493	\$19,196.10
METLK005	\$7.70	1	\$7.70
METLK006	\$18.28	10,000	\$182,800.00
METLK007	\$24.57	17	\$417.69
METLK008	\$14.66	1	\$14.66
METLK010	\$3.95	188	\$742.60
METLK011	\$25.98	1	\$25.98
METLK018	\$166.08	1	\$166.08
METLK019	\$0.73	1	\$0.73
METLK021	\$19.05	330	\$6,286.50
METLK022	\$20.76	450	\$9,342.00
METSE001	\$0.18	13300	\$2,394.00
METSE002	\$0.18	107500	\$19,350.00
METSE003	\$0.18	1	\$0.18
METSE004	\$0.18	2700	\$486.00
METSE005	\$0.18	155000	\$27,900.00
METSE006	\$0.18	204900	\$36,882.00
METSE007	\$0.18	500	\$90.00
METSE008	\$0.18	1	\$0.18
METSE031	\$1.14	40950	\$46,683.00
METSE011	\$0.28	5000	\$1,400.00
METSE022	\$0.18	1	\$0.18
METVT002	\$1,379.20	24	\$33,100.80
METVT003	\$1,931.57	36	\$69,536.52
METWN001	\$0.15	192	\$28.80
METWN002	\$0.25	350	\$87.50
METCN001	\$6.71	816	\$5,475.36
METRI002	\$6.97	1500	\$10,455.00
Wesco:			\$528,566.14

JEA Item ID	Unit Price	5 Yr Estima	Extended price
METCT001	\$132.26	1815	\$240,051.90
METCT002	\$141.49	268	\$37,919.32
METCT003	\$181.48	45	\$8,166.60
METCT004	\$151.95	21	\$3,190.95
METCT018	\$153.80	1865	\$286,837.00
METCT019	\$161.18	252	\$40,617.36
METCT022	\$185.61	1	\$185.61
METCT023	\$1,851.61	1	\$1,851.61
METCT024	\$1,851.61	2	\$3,703.22
METCT025	\$275.47	630	\$173,546.10
METCT026	\$292.29	1235	\$360,978.15
METCT027	\$381.26	252	\$96,077.52
METTS002	\$91.77	317	\$29,091.09
METSO006	\$232.44	111	\$25,800.84
METSO007	\$270.29	866	\$234,071.14
METVT001	\$1,018.36	84	\$85,542.24
METVT004	2,407.08	1	\$2,407.08
METCT013	\$1,851.61	1	\$1,851.61
METCT014	\$1,851.61	1	\$1,851.61
METCT015	\$1,990.47	24	\$47,771.28
METCT016	\$149.49	2083	\$311,387.67
METEN002	\$608.63	432	\$262,928.16
Gresco			\$2,255,828.06

JEA Item ID	Unit Price	5 Yr Estima	Extended price
METBK001	\$36.99	678	\$25,079.22
METJU001	\$4.63	5100	\$23,613.00
METRI001	\$2.93	5400	\$15,822.00
METTS003	\$116.40	20	\$2,328.00
METDS001	\$0.14	5616	\$786.24
METCT007	\$880.64	1	\$880.64
METCT008	\$880.64	2	\$1,761.28
METCT009	\$880.64	1	\$880.64
METCT010	\$880.64	1	\$880.64
METCT011	\$880.64	84	\$73,973.76
METCT017	\$188.97	66	\$12,472.02
Irby			\$158,477.44

JEA Item ID	Unit Price	5 Yr Estima	Extended price
METSO008	825.00	6	\$4,950.00
METSO009	659.00	1	\$659.00
METSO012	1,249.00	6	\$7,494.00
METPI001	1.95	16650	\$32,467.50
Tri-State			\$45,570.50
Total Award			\$2,988,442.14

Award #7 Supporting Documents 5/22/2025

1411959846 Appendix B - Bid Forms

JEA Cecil Commerce Center Utility Extensions and COJ Logistics Lane Extension

Submit a scanned signed copy of this document to Zycus as described in the Solicitation

Company Name: J.B. Coxwell Contracting, Inc.

Company's Address: 6741 Lloyd Rd W. Jacksonville, FL 32244

License Number: CGC059919 General Contractor; CUC1225959 Underground Utility & Excavation

Phone Number: (904)786-1120 FAX No: (904)783-2970 Email Address: estimating@jbcxwell.com

BID SECURITY REQUIREMENTS

- None required
- Certified Check or Bond (Five Percent (5%))

TERM OF CONTRACT

- One Time Purchase
- Annual Requirements
- Other, Specify - Project Completion

SAMPLE REQUIREMENTS

- None required
- Samples required prior to Bid Opening
- Samples may be required subsequent to Bid Opening

SECTION 255.05, FLORIDA STATUTES CONTRACT BOND

- None required
- Bond required 100% of Bid Award

QUANTITIES

- Quantities indicated are exacting
- Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

INSURANCE REQUIREMENTS

Insurance required

PAYMENT DISCOUNTS

- 1% 20, net 30
- 2% 10, net 30
- Other _____
- None Offered

ENTER YOUR BID FOR SOLICITATION 1411959846	TOTAL BID PRICE
Total Bid Price (enter total from cell G181 in the Bid Workbook)	\$ 8,770,240.00

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

BIDDER CERTIFICATION

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict of Interest and Ethics) of this Solicitation.

We have received addenda

1 through 5

Handwritten Signature of Authorized Officer of Company or Agent

05/06/25

Date

Garland F. Chick, Jr., Vice President of Estimating
 Printed Name and Title

Minimum Qualifications

THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED BIDDER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW AND BE ABLE TO PROVIDE ALL THE SERVICES LISTED IN THIS SOLICITATION.

THE BIDDER MUST COMPLETE THE BIDDER INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.

BIDDER INFORMATION

COMPANY NAME: J.B. Coxwell Contracting, Inc.

BUSINESS ADDRESS: 6741 Lloyd Rd W


CITY, STATE, ZIP CODE: Jacksonville, FL 32254

TELEPHONE: (904)786-1120

FAX: (904)783-2970

E-MAIL: estimating@jbcowwell.com

PRINT NAME OF AUTHORIZED REPRESENTATIVE: Garland F. Chick, Jr.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME AND TITLE OF AUTHORIZED REPRESENTATIVE: Garland F. Chick, Jr., Vice President of Estimating

MINIMUM QUALIFICATIONS:

Respondent must meet the following Minimum Qualifications to be considered eligible to have its Response evaluated by JEA. JEA reserves the right to ask for additional back up documentation or additional reference projects to confirm the Respondent meets the requirements stated above.

JEA may reject Responses from Respondents not meeting all of the following Minimum Qualifications:

- I. **For JEA Work (Part A)**, Respondent must be approved as listed in the Responsible Bidders List (RBL) by Bid Opening:
 - WM1- Water, Sewer, Reclaim Pressure Pipe Construction Underground >24" Diameter.
 - Visit https://www.jea.com/About/Procurement/Become_a_Vendor/ to learn how to become approved.
- II. **For COJ Work (Part B)**, The Roadway and Lighting portion of this project must be performed by a Contractor or by Subcontractors who are pre-qualified in the **Horizontal** category with the City of Jacksonville, Procurement Division prior to bid opening. Respondent should state the Contractor name that is performing the COJ work.
- III. Company must have a current and valid State of Florida business license and State of Florida Contractor's license.

Any Respondent whose contract with JEA was terminated for default within the last two years shall have its Response rejected.

Award #7 Supporting Documents 5/22/2025

1411959846 Addendum 2 Appendix B - Bid Workbook
 JEA Cecil Commerce Center Utility Extensions and COJ Logistics Lane Extension
 (Only complete the Yellow Cells)

PART A - JEA

Company:

Part A.1-1 WATER MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description (includes labor and equipment)	Unit Price	Extended Price
1	801.XII.1.	20	LF	2" HDPE SDR-9 CTS Water Main	\$34.00	\$680.00
2	801.XII.1.	20	LF	6" PVC DR-18 Water Main	\$68.00	\$1,360.00
3	801.XII.1.	2,756	LF	24" Ductile Iron PC 150 Water Main	\$248.00	\$683,488.00
4	801.XII.2.	2	EA	24" DI MJ Cap, Tapped 2"	\$2,750.00	\$5,500.00
5	801.XII.2.	3	EA	24" DI MJ 45 Degree Bend	\$5,423.00	\$16,269.00
6	801.XII.2.	1	EA	24" x 24" x 24" DI MJ Tee	\$8,533.00	\$8,533.00
7	801.XII.6.	29	EA	24" Pipe Bell Restraints	\$1,518.00	\$44,022.00
8	801.XII.2.	2	EA	24" x 24" x 6" DI MJ Tee	\$5,659.00	\$11,318.00
9	801.XII.14.	3	EA	Temporary Sample Tap (W-25, W-26)	\$991.00	\$2,973.00
10	801.XIII.1.	2	EA	Fire Hydrant	\$5,762.00	\$11,524.00
11	801.XIII.3.	2	EA	6" Gate Valve w/C.I. Valve Box	\$2,100.00	\$4,200.00
12	801.XIII.3.	4	EA	24" Gate Valve w/C.I. Valve Box	\$28,051.00	\$112,204.00
13	801.XIII.9.	2	EA	Furnish and Install Flushing Valves - Below Grade	\$2,368.00	\$4,736.00
14	801.XIII.4.	1	EA	Furnish and Install 36"x24" Tapping Sleeve and Valve	\$60,260.00	\$60,260.00
15	N/A	1	AL	Density Testing Allowance	\$10,000.00	\$10,000.00
16	N/A	1	AL	SWA Allowance	\$40,000.00	\$40,000.00
Part A.1-1 Water Main Construction Subtotal						\$1,017,067.00

Part A.1-2 MISCELLANEOUS CONSTRUCTION - WATER MAIN						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.VII.	1,150	SY	Sodding	\$3.25	\$3,737.50
2	801.VIII.3.	1,060	SY	Pavement Removal	\$6.00	\$6,360.00
3	801.VIII.4.	1,060	SY	Trail Road Replacement	\$15.00	\$15,900.00
4	801.IX.4	6	SY	4" Concrete	\$171.00	\$1,368.00
Part A.1-2 Paving & Drainage Construction - Water Main Subtotal						\$27,365.50
Total Part A.1-1 and Part A.1-2 Water Main Total						\$1,044,432.50

Part A.2-1 FORCE MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.XVI.1.	1,326	LF	16" PVC DR-18 Force Main	\$165.00	\$218,790.00
2	801.XVI.3.	1	EA	16" DI MJ Cap	\$2,683.00	\$2,683.00
3	801.XVI.3.	4	EA	16" DI MJ 45 Degree Bend	\$4,368.00	\$17,472.00
4	801.XVI.3.	3	EA	16" DI MJ 11.25 Degree Bend	\$4,390.00	\$13,170.00
5	801.XVI.3.	1	EA	16" x16" x12" DI MJ Tee	\$5,714.00	\$5,714.00
6	801.XVII.1.	3	EA	16" Gate Valve w/C.I. Valve Box	\$8,950.00	\$26,850.00
7	801.XVII.3.	1	EA	Connect to Existing 16" Force Main	\$11,406.00	\$11,406.00
8	801.XVI.1.	8,141	EA	12" PVC DR-18 Force Main	\$118.00	\$960,638.00
9	801.XVI.3.	1	EA	12" DI MJ Cap	\$1,704.00	\$1,704.00
10	801.XVI.3.	8	EA	12" DI MJ 11.25 Degree Bend	\$2,373.00	\$18,984.00
11	801.XVI.3.	4	EA	12" DI MJ 45 Degree Bend	\$2,717.00	\$10,868.00
12	801.XVII.1.	12	EA	12" Gate Valve w/C.I. Valve Box	\$5,276.00	\$63,312.00
13	801.XVI.3.	1	EA	12"x12"x12" Tee	\$3,429.00	\$3,429.00
14	801.XVII.4.	3	EA	2" Air Release Valve	\$18,445.00	\$55,335.00
16	801.XIV.1.	2	EA	JEA Type A Manhole	\$22,116.00	\$44,232.00
17	801.XV.1.1./2.	133	LF	15" PVC SDR-26 Sanitary Sewer Main	\$328.00	\$43,624.00
18	801.XVI.7.	25	EA	16" Pipe Bell Restraints	\$915.00	\$22,875.00
19	801.XVI.7.	154	EA	12" Pipe Bell Restraints	\$408.00	\$62,832.00
20	901.5	1	LS	Underground Electric System Modification (Exist Cul-De-Sac to Lift Station)	\$66,968.00	\$66,968.00
21	N/A	1	AL	Density Testing Allowance	\$20,000.00	\$20,000.00
22	N/A	1	AL	SWA Allowance	\$130,000.00	\$130,000.00
Part A.2-1 Force Main Construction Subtotal						\$1,800,886.00

Part A.2-2 MISCELLANEOUS CONSTRUCTION - FORCE MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	N/A	4	EA	Light Pole Relocation	\$8,691.00	\$34,764.00
2	901.5	1	LS	Underground Electric System Modification (POW-MIA to Exist Cul-De-Sac)	\$662,209.00	\$662,209.00
Part A.2-2 Miscellaneous Construction - Force Main Subtotal						\$696,973.00
Total Part A.2-1 and Part A.2-2 Force Main Total						\$2,497,859.00

Part A.3 SEWER LIFT STATION CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.XVIII	1	LS	Sewer Lift Station (Section IV-433)	\$2,345,712.00	\$2,345,712.00
2	801.XI.1.	100	LF	42" RCP Storm Pipe	\$417.00	\$41,700.00
3	801.XI.2.	2	EA	Mitered End Section	\$6,501.00	\$13,002.00
4	935	1,715	SY	Stabilized Access Road	\$10.00	\$17,150.00
5	801.IX.5.	648	SY	6" Concrete Driveway for Pump Station	\$77.00	\$49,896.00
Part A.3 Sewer Lift Station Construction Subtotal						\$2,467,460.00

Subtotal Parts A.1-1, A.1-2, A.2-1, A.2-2 and A.3	\$6,009,751.50
General Conditions Percentage - Part A (10% Maximum)	10%
Total JEA Bid Price - Parts A.1-1, A.1-2, A.2-1, A.2-2 and A.3	\$6,610,726.55

JEA JSEB Requirement Overview	
Total Bid Price less SWAs and Allowances:	\$5,809,751.50
JSEB Requirement (%):	12%
JSEB Requirement (dollars):	\$697,170.18

- Notes:
- 1 - All quantities provided are estimates. Bidders should complete their own individual quantity take-offs and note any discrepancies.
 - 2 - For bidding purposes, Bidders should assume all excess excavated material will be non-hazardous waste.
 - 3 - Unit Rates shall include all applicable taxes and shall not be increased as a result of any change in Contractor's tax liabilities or failure of Contractor to include applicable tax.

Award #7 Supporting Documents 5/22/2025

4 - Reimbursement for all items shall be in accordance with Measurement of Payment per JEA 2024 Water & Wastewater Standards Manual.
 5 - Labor rate sheet, with all categories of project staff, to be provided as an attachment. Labor rates will be used to evaluate SWAs during the work.

PART B - COJ

Part B - COJ ROADWAY & LIGHTING BASE BID						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	COJ	1	LS	Mobilization, Includes One (1) Project Sign	\$134,993.27	\$134,993.27
2	COJ	1	LS	Site Preparation	\$93,412.00	\$93,412.00
3	COJ	1	LS	Erosion Control and Pollution Abatement	\$10,103.00	\$10,103.00
4	COJ	1	LS	Dewatering (Contingency)	\$11,885.00	\$11,885.00
5	COJ	500	CY	Over excavation (Contingency)	\$21.50	\$10,750.00
6	COJ	500	CY	A-3 Sand (Contingency)	\$29.00	\$14,500.00
7	COJ	500	CY	Hauling & Disposal of Unsuitable Material (Contingency)	\$13.00	\$6,500.00
8	COJ	1	LS	Regular Excavation & Fill (Refer to Special Conditions Section D.12 for utilization of Lake Fretwell Soil and Hauling Requirements)	\$575,290.00	\$575,290.00
9	COJ	6,095	SY	Type B Stabilization	\$4.00	\$24,380.00
10	COJ	4,808	SY	Optional Base Group 06	\$20.00	\$96,160.00
11	COJ	793	TN	Superpave Asphaltic Concrete, Traffic C, PG 76-22	\$180.00	\$142,740.00
12	COJ	2	EA	COJ Std. Curb Inlet, 36" I.D., COJ Plate D-201	\$6,501.00	\$13,002.00
13	COJ	3	EA	COJ Std. Curb Inlet, 48" I.D., COJ Plate D-203	\$6,881.00	\$20,643.00
14	COJ	280	LF	Drainage Pipe, Optional Material, 18"	\$144.00	\$40,320.00
15	COJ	289	LF	Drainage Pipe, Optional Material, 24"	\$174.00	\$50,286.00
16	COJ	1	CY	Plugging 18" Drainage Pipe	\$816.00	\$816.00
17	COJ	3	EA	Mitered End Section, Optional - 24" CD	\$2,885.00	\$8,655.00
18	COJ	2,845	LF	COJ Std. Curb & Gutter	\$24.00	\$68,280.00
19	COJ	168	LF	Type D Curb	\$41.00	\$6,888.00
20	COJ	270	LF	Type RA Curb	\$45.00	\$12,150.00
21	COJ	989	SY	Concrete Sidewalk, 4" Thick	\$58.00	\$55,384.00
22	COJ	42	SY	Concrete Driveway, 6" Thick	\$85.00	\$3,570.00
23	COJ	373	SY	12" Concrete Apron (Roundabout)	\$134.00	\$49,982.00
24	COJ	12	SF	Detectable Warning Surface	\$32.00	\$384.00
25	COJ	81	LF	Fencing, Type B, 5.1'-6.0', Standard	\$26.25	\$2,126.25
26	COJ	13,670	SY	Sodding, COJ Specification 145	\$5.00	\$68,350.00
27	COJ	13	EA	Single Post Sign, F&I Ground Mount, up to 12 SF	\$642.00	\$8,346.00
28	COJ	1	EA	Single Post Sign, Relocate	\$191.00	\$191.00
29	COJ	2	EA	Single Post Sign, Remove	\$173.00	\$346.00
30	COJ	2	EA	Yellow Tubular Marker	\$178.00	\$356.00
31	COJ	405	EA	Raised Pavement Marker, Yellow/Yellow	\$10.50	\$4,252.50
32	COJ	82	LF	Thermoplastic, Yellow, Solid, 18", for Diagonals	\$8.75	\$717.50
33	COJ	0	GM	Thermoplastic, White, 2-4 Dotted Guideline	\$11,398.00	\$284.95
34	COJ	3	EA	Thermoplastic, White, Message or Symbol	\$577.50	\$1,732.50
35	COJ	2	EA	Thermoplastic, White, Arrow	\$136.25	\$272.50
36	COJ	36	LF	Thermoplastic, Standard, White, Yield Line	\$20.25	\$729.00
37	COJ	1	GM	Thermoplastic, White, Solid, 6"	\$14,303.00	\$7,408.95
38	COJ	3	GM	Thermoplastic, Yellow, Solid, 6"	\$14,248.00	\$41,461.68
39	COJ	1,394	LF	Conduit, Furnish & Install, Open Trench	\$25.75	\$35,895.50
40	COJ	13	EA	Pull & Splice Box, F&I, 13" x 24" Cover Size	\$1,239.00	\$16,107.00
41	COJ	1	EA	Pull & Splice Box, F&I, 24" x 36" Cover Size	\$2,427.00	\$2,427.00
42	COJ	1	EA	Transformer Pad, 43"x56"x4" Thick, JEA Plate PADC0001	\$9,165.00	\$9,165.00
43	COJ	12	EA	Light Pole Complete, F&I, Standard Pole Special Foundation, 35' Mounting Height, 0' Arm Length	\$11,945.00	\$143,340.00
44	COJ	1	EA	Light Pole Complete, Relocate	\$10,837.00	\$10,837.00
45	COJ	13	EA	Pole Cable Distribution System, Furnish & Install, Conventional	\$803.00	\$10,439.00
46	COJ	1	LS	As-Built Drawings	\$10,000.00	\$10,000.00

Total COJ Bid Price - Part B **\$1,825,858.60**

Unless stated otherwise by the City, all bid prices in Part B should include the furnishing and installing of materials.

PART C - Additive Alternates

PART C - ADDITIVE ALTERNATES						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.VII.	1,575	SY	Sodding	\$9.50	\$14,962.50
2	801.VIII.3.	216	SY	Pavement Removal	\$18.50	\$3,996.00
3	801.VIII.4.	216	SY	Paving Repair	\$128.50	\$27,324.00
4	801.IX.1.	4,080	SY	Sidewalk Removal	\$7.00	\$28,560.00
5	801.IX.4.	4,080	SY	Sidewalk Installation	\$56.00	\$228,480.00
Part C - Additive Alternates Subtotal						\$303,322.50

General Conditions Percentage - Part C (10% Maximum) 10% **\$30,332.25**

Total Bid Alternates Price - Part C **\$333,654.75**

Total Bid Price (Part A + Part B + Part C) **\$8,770,240.00**
 Enter this value on Appendix B - Bid Form

1411959846 Addendum 2 Appendix B - Bid Workbook
JEA Cecil Commerce Center Utility Extensions and COJ Logistics Lane Extension
 (Only complete the Yellow Cells)

PART A - JEA

Company:

Part A.1-1 WATER MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description (includes labor and equipment)	Unit Price	Extended Price
1	801.XII.1.	20	LF	2" HDPE SDR-9 CTS Water Main	\$34.00	\$680.00
2	801.XII.1.	20	LF	6" PVC DR-18 Water Main	\$68.00	\$1,360.00
3	801.XII.1.	2,756	LF	24" Ductile Iron PC 150 Water Main	\$248.00	\$683,488.00
4	801.XII.2.	2	EA	24" DI MJ Cap, Tapped 2"	\$2,750.00	\$5,500.00
5	801.XII.2.	3	EA	24" DI MJ 45 Degree Bend	\$5,423.00	\$16,269.00
6	801.XII.2.	1	EA	24" x 24" x 24" DI MJ Tee	\$8,533.00	\$8,533.00
7	801.XII.6.	29	EA	24" Pipe Bell Restraints	\$1,518.00	\$44,022.00
8	801.XII.2.	2	EA	24" x 24" x 6" DI MJ Tee	\$5,659.00	\$11,318.00
9	801.XII.14.	3	EA	Temporary Sample Tap (W-25, W-26)	\$991.00	\$2,973.00
10	801.XIII.1.	2	EA	Fire Hydrant	\$5,762.00	\$11,524.00
11	801.XIII.3.	2	EA	6" Gate Valve w/C.I. Valve Box	\$2,100.00	\$4,200.00
12	801.XIII.3.	4	EA	24" Gate Valve w/C.I. Valve Box	\$28,051.00	\$112,204.00
13	801.XIII.9.	2	EA	Furnish and Install Flushing Valves - Below Grade	\$2,368.00	\$4,736.00
14	801.XIII.4.	1	EA	Furnish and Install 36"x24" Tapping Sleeve and Valve	\$60,260.00	\$60,260.00
15	N/A	1	AL	Density Testing Allowance	\$10,000.00	\$10,000.00
16	N/A	1	AL	SWA Allowance	\$40,000.00	\$40,000.00
Part A.1-1 Water Main Construction Subtotal						\$1,017,067.00

PART A.1-2 MISCELLANEOUS CONSTRUCTION - WATER MAIN						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.VII.	1,150	SY	Sodding	\$3.25	\$3,737.50
2	801.VIII.3.	1,060	SY	Pavement Removal	\$6.00	\$6,360.00
3	801.VIII.4.	1,060	SY	Trail Road Replacement	\$15.00	\$15,900.00
4	801.IX.4	8	SY	4" Concrete	\$171.00	\$1,368.00
Part A.1-2 Paving & Drainage Construction - Water Main Subtotal						\$27,365.50
Total Part A.1-1 and Part A.1-2 Water Main Total						\$1,044,432.50

PART A.2-1 FORCE MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.XVI.1.	1,326	LF	16" PVC DR-18 Force Main	\$165.00	\$218,790.00
2	801.XVI.3.	1	EA	16" DI MJ Cap	\$2,683.00	\$2,683.00
3	801.XVI.3.	4	EA	16" DI MJ 45 Degree Bend	\$4,368.00	\$17,472.00
4	801.XVI.3.	3	EA	16" DI MJ 11.25 Degree Bend	\$4,390.00	\$13,170.00
5	801.XVI.3.	1	EA	16" x16" x12" DI MJ Tee	\$5,714.00	\$5,714.00
6	801.XVII.1.	3	EA	16" Gate Valve w/C.I. Valve Box	\$8,950.00	\$26,850.00
7	801.XVII.3.	1	EA	Connect to Existing 16" Force Main	\$11,406.00	\$11,406.00
8	801.XVI.1.	8,141	EA	12" PVC DR-18 Force Main	\$118.00	\$960,638.00
9	801.XVI.3.	1	EA	12" DI MJ Cap	\$1,704.00	\$1,704.00
10	801.XVI.3.	8	EA	12" DI MJ 11.25 Degree Bend	\$2,373.00	\$18,984.00
11	801.XVI.3.	4	EA	12" DI MJ 45 Degree Bend	\$2,717.00	\$10,868.00
12	801.XVII.1.	12	EA	12" Gate Valve w/C.I. Valve Box	\$5,276.00	\$63,312.00
13	801.XVI.3.	1	EA	12"x12"x12" Tee	\$3,429.00	\$3,429.00
14	801.XVII.4.	3	EA	2" Air Release Valve	\$18,445.00	\$55,335.00
16	801.XIV.1.	2	EA	JEA Type A Manhole	\$22,116.00	\$44,232.00
17	801.XV.1.1./2.	133	LF	15" PVC SDR-26 Sanitary Sewer Main	\$328.00	\$43,624.00
18	801.XVI.7.	25	EA	16" Pipe Bell Restraints	\$915.00	\$22,875.00
19	801.XVI.7.	154	EA	12" Pipe Bell Restraints	\$408.00	\$62,832.00
20	901.5	1	LS	Underground Electric System Modification (Exist Cul-De-Sac to Lift Station)	\$66,968.00	\$66,968.00
21	N/A	1	AL	Density Testing Allowance	\$20,000.00	\$20,000.00
22	N/A	1	AL	SWA Allowance	\$130,000.00	\$130,000.00
Part A.2-1 Force Main Construction Subtotal						\$1,800,886.00

PART A.2-2 MISCELLANEOUS CONSTRUCTION - FORCE MAIN CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	N/A	4	EA	Light Pole Relocation	\$8,691.00	\$34,764.00
2	901.5	1	LS	Underground Electric System Modification (POW-MIA to Exist Cul-De-Sac)	\$662,209.00	\$662,209.00
Part A.2-2 Miscellaneous Construction - Force Main Subtotal						\$696,973.00
Total Part A.2-1 and Part A.2-2 Force Main Total						\$2,497,859.00

PART A.3 SEWER LIFT STATION CONSTRUCTION						
Item	Spec No.	Est. Qty.	Units	Description	Unit Price	Extended Price
1	801.XVIII	1	LS	Sewer Lift Station (Section IV-433)	\$2,345,712.00	\$2,345,712.00
2	801.XI.1.	100	LF	42" RCP Storm Pipe	\$417.00	\$41,700.00
3	801.XI.2.	2	EA	Mitered End Section	\$6,501.00	\$13,002.00
4	935	1,715	SY	Stabilized Access Road	\$10.00	\$17,150.00
5	801.IX.5.	648	SY	6" Concrete Driveway for Pump Station	\$77.00	\$49,896.00
Part A.3 Sewer Lift Station Construction Subtotal						\$2,467,460.00

Subtotal Parts A.1-1, A.1-2, A.2-1, A.2-2 and A.3					\$6,009,751.50
General Conditions Percentage - Part A (10% Maximum)					10%
Total JEA Bid Price - Parts A.1-1, A.1-2, A.2-1, A.2-2 and A.3					\$6,610,726.65

JEA JSEB Requirement Overview	
Total Bid Price less SWAs and Allowances:	\$5,809,751.50
JSEB Requirement (%):	12%
JSEB Requirement (dollars):	\$697,170.18

Notes:
 1 - All quantities provided are estimates. Bidders should complete their own individual quantity take-offs and note any discrepancies.
 2 - For bidding purposes, Bidders should assume all excess excavated material will be non-hazardous waste.
 3 - Unit Rates shall include all applicable taxes and shall not be increased as a result of any change in Contractor's tax liabilities or failure of Contractor to include applicable tax.

4 - Reimbursement for all items shall be in accordance with Measurement of Payment per **JEA 2024 Water & Wastewater Standards Manual**.
5 - Labor rate sheet, with all categories of project staff, to be provided as an attachment. Labor rates will be used to evaluate SWAs during the work.