



ORDINANCE NO. 260176

Funding and approval of the Blue River Wastewater Treatment Plant (BRWWTP) Grit Removal and Fine Screen, Change Order No. 2 and BRWWTP Facility Plan and Improvements Amendment Nos. 2 and 3

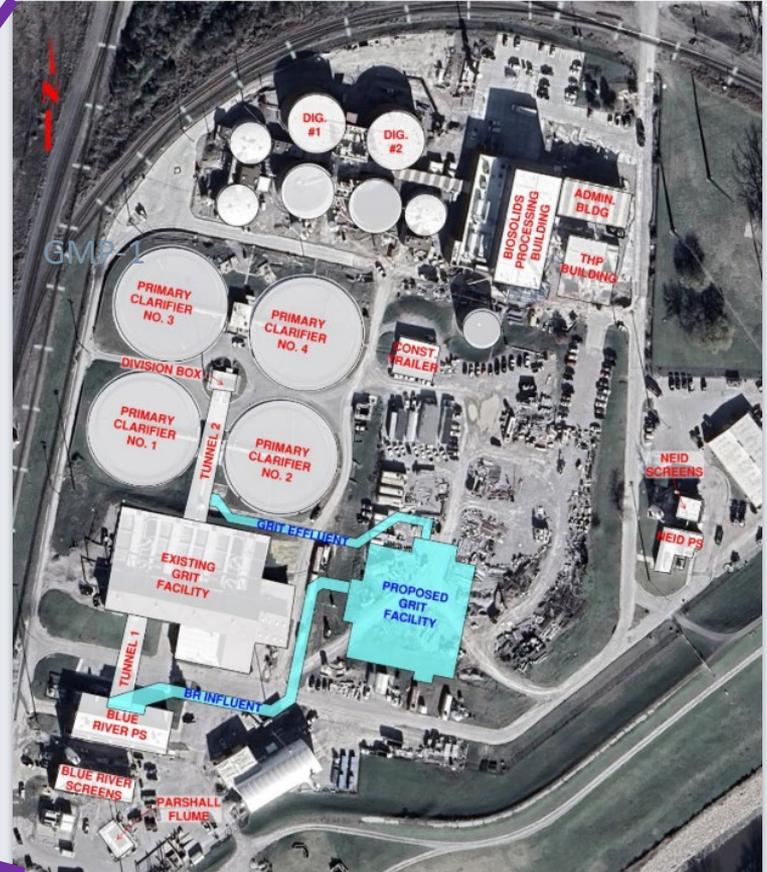
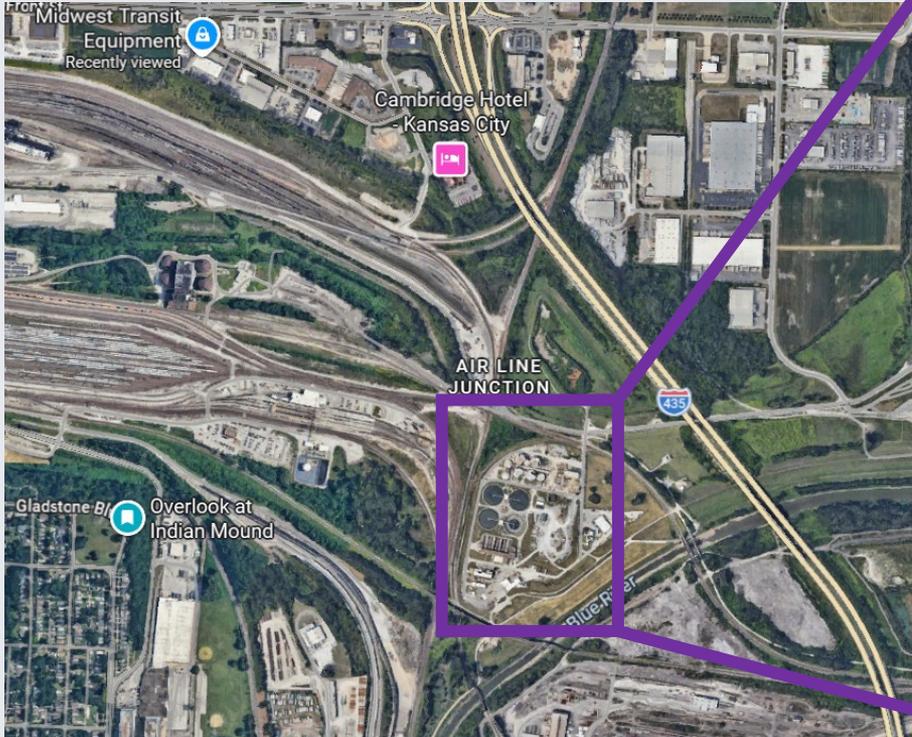
Establishing Fund No. 8196, the 2026 SRF Sewer Revenue Bond Fund in the records of the City of Kansas City, Missouri; estimating revenue in the amount of \$100,000,000.00 in the 2026 SRF Sewer Revenue Bond Fund and appropriating the same; appropriating \$100,000,000.00 from the Unappropriated Fund Balance of the Sewer Fund; designating requisitioning authority; authorizing a \$156,641,576.00 progressive design-build contract Change Order No. 2 to Contract No. 1751 with Goodwin Bros. Construction Co., for the Blue River Wastewater Treatment Plant Grit Removal and Fine Screens Project for a total contract amount of \$170,564,112.00; authorizing a \$4,120,509.00 design professional services contract Amendment No. 2 and authorizing a \$4,500,000.00 design professional services contract Amendment No. 3 to Contract No. 1677 with Carollo Engineers, Inc., for the Blue River Wastewater Treatment Plant Facility Plan and Improvements Design project for a total contract amount of \$16,050,441.00; declaring the intent of the City to reimburse itself from the bond proceeds for certain expenditures; and authorizing the Director of Finance to close project accounts; and recognizing this ordinance as having an accelerated effective date.

February 10, 2026

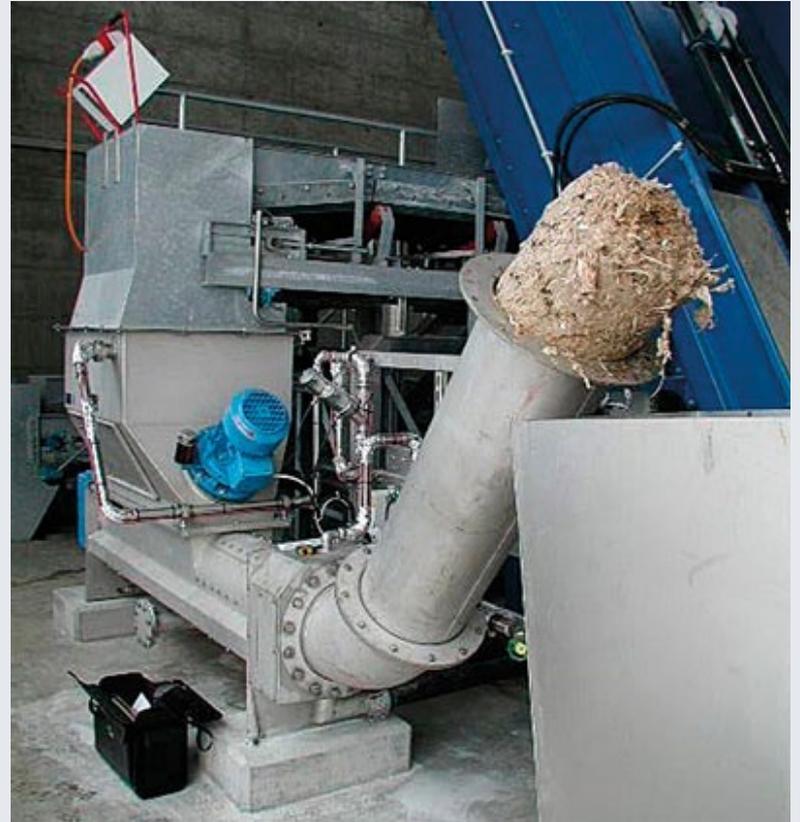
Transportation, Infrastructure & Operations
Committee



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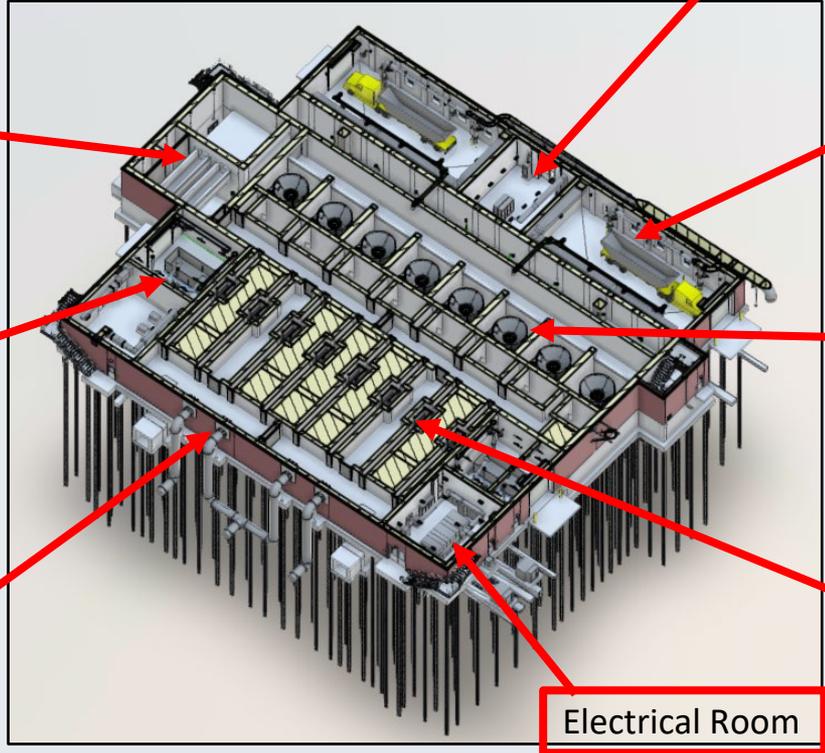
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Lower Level

Effluent Distribution
 - Dry Weather
 - Wet Weather

Dumpsters for Screening Disposal (2 Total)

Pumped Inlet Distribution
 - Blue River PS
 - NEID PS
 - Birmingham PS



Mechanical Room

Truck Loading Bays for Dewatered Grit Disposal (2 Total)

Grit Removal Chambers

Screenings Equipment and Emergency Bypass Channels

Electrical Room

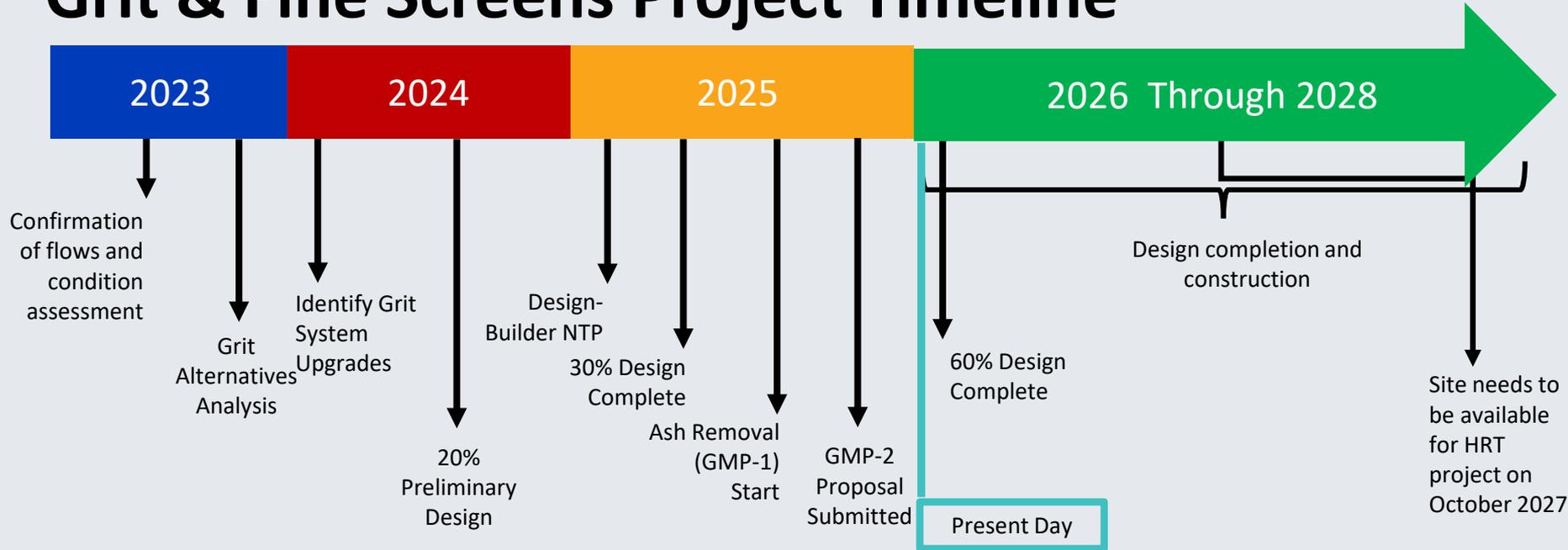
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On-going and Future Projects on Blue River Wastewater Treatment Plant Site



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Grit & Fine Screens Project Timeline



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Cost Comparison to Similarly Sized Facilities

- New Construction Estimates for Similar Facilities:
 - » 250 mgd facility: \$1.50 / gallon
 - » 80 mgd facility: \$2.50 / gallon
 - » 60 mgd facility: \$0.60 / gallon
 - » 36 mgd facility: \$1.10 / gallon
- Rehabilitation Construction Estimate for Similar Facilities:
 - » 320 mgd facility: \$0.75 / gallon
- **Blue River WWTP (284 mgd): \$0.55 / gallon (based on GMP-2)**

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Carollo Amendments

Amendment 2

- Non-Destructive Testing
- Phosphorus Recovery
- Major Site Piping
- Wet Weather Testing
- Biotower Upgrades
- Electrical Upgrades in the Course Screen House
- Site Electrical Planning
- Hydraulic Profile Update
- Biosolids Upgrade for Wet Weather and PFAS

Amendment 3

- Construction Phase services for Grit and Screenings Project

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M/WBE Subcontractor Participation (Progressive Design-Build)

CREO KC approved a Request for Modification on February 4, 2026 with 11% MBE and 11% WBE participation.

MBE Firms

Genesis Environmental Solutions, Inc.
Vazquez Commercial Contracting, LLC
CJ Industries, LLC (2nd Tier sub under Vazquez)
WITEC
Custom Engineering, Inc. (2nd Tier sub under
Black & Veatch)
DuBois Consultants (2nd Tier sub under Black &
Veatch)
TSi Geotechnical, Inc.

WBE Firms

Richardson Hauling
CJ Industries, LLC
Three Feathers Construction & Sales, LLC
Realm Construction, Inc.
Environmental Advisors & Engineers
TREKK Design Group, LLC

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M/WBE Subcontractor Participation (Design Professional Services)

CREO KC approved a Request for Modification on February 6, 2026 with 14% MBE and 14% WBE participation.

MBE Firm

Custom Engineering, Inc.
Taliaferro & Browne, Inc.
Parson + Associates, LLC
TSi Geotechnical, Inc.

WBE Firms

Environmental Advisors and Engineers, Inc.
KMB Engineering, LLC
McCurdy Engineers, LLC
TREKK Design Group, LLC

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Reserve slides for Questions

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Price

GMP-2 = \$156,641,576

		% of Grand Total less Current Contract	Subtotal		
Total Self Perform \$	\$	63,163,572.00	40.3%	\$	136,098,545
Less Comp Bid Self Perform Work	\$	20,020,335.00	12.8%	\$	4,082,956 Bid at 3%
	\$	43,143,237.00	27.5%	\$	3,810,759 Bid at 2.8%
				Total	\$ 143,992,261
MBE		Percent of Grand Total	Allowances	\$	475,000 Influent PS and Tower Work
CJ Industries Millwright Equipment Installation	\$	6,763,175.00		\$	433,161 Additional Keller Mixing
Custom Engineering	\$	480,904.00		\$	100,000 Effluent Box Culvert Tie In
DuBois Consultants	\$	829,289.00		\$	600,000 Under Seepage Issues
TSI Geotechnical	\$	134,939.00		\$	2,700,000 Groundwater Dewatering
WITECH	\$	10,358,675.00		\$	4,000,000 NEID Mods
Genesis	\$	548,420.00		\$	500,000 PACL System
MBE Total	\$	19,115,402.00	11.21%	\$	100,000 SMART BIM
WBE			Subtotal	\$	8,908,161
Three Feathers	\$	5,634,285.00	OH&P	\$	267,245 Bid at 3%
Trekk Design Group	\$	161,055.00	General Conditions	\$	249,428 Bid at 2.8%
EAE	\$	175,319.00	Total	\$	9,424,834
Richardson Hauling	\$	1,445,000.00	Insurance	\$	2,195,374
CJ Industries Plumber Equipment Installation	\$	9,792,380.00	Bond	\$	1,029,107
Realm	\$	1,570,546.00	Current Contract Amount	\$	13,922,536
WBE Total	\$	18,778,585.00	Grand Total	\$	170,564,112

For ash pond closeout, and GMP-2 preparation (to 30% design, construction planning, and construction cost estimate)

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Why

1. Closure of south ash pond (GMP-1) per MDNR
2. Needed for the High Rate Treatment (wet weather) Project
3. High Rate Project is necessary for 2030 Interim Goals for CSO Reduction as required by the 3rd amended consent decree
4. Improve existing system to protect THP, downstream equipment, and Biosolids Product



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Context on 284 mgd

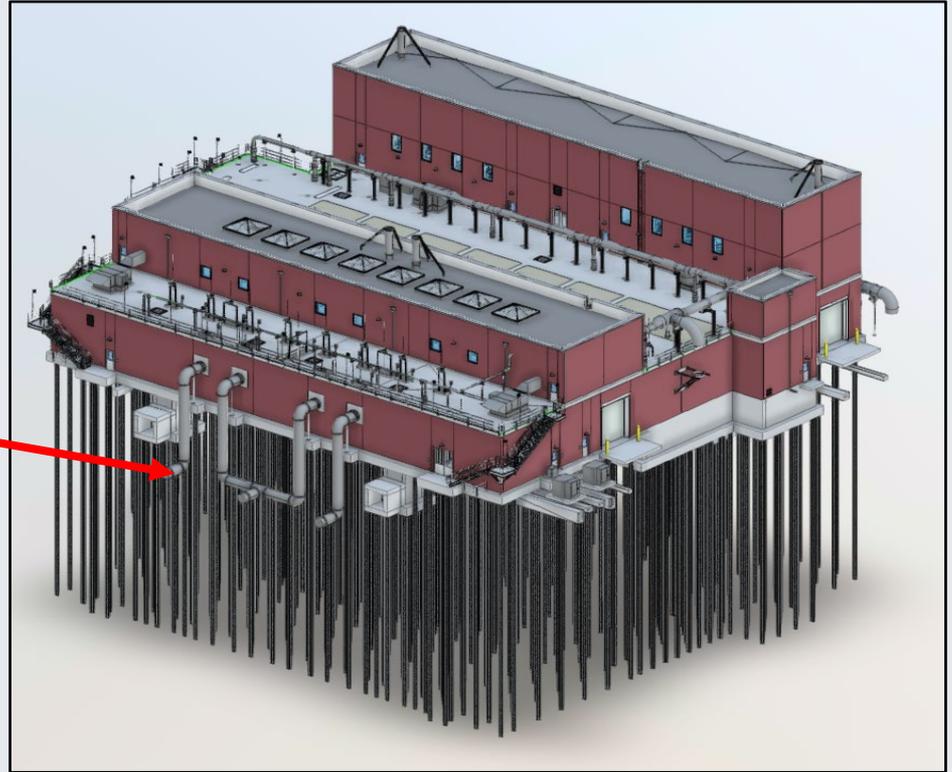
- That much water can cover the downtown loop in almost 2 feet of water.



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Perspective View of New Facility

On Piles
-poor river soils
-heavy structure



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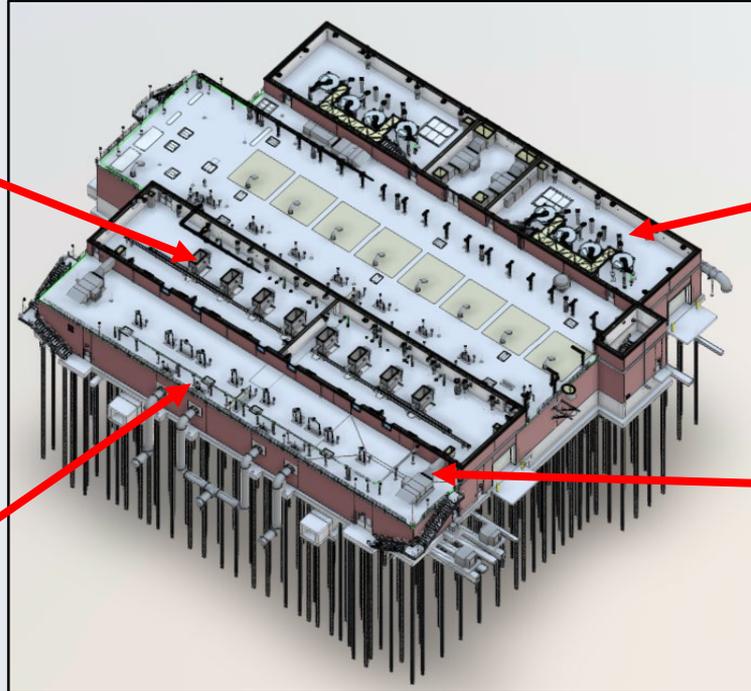
Upper Level

Screenings
Handling
(Dewatering and
Conveyance)

Grit Dewatering
Equipment

Gates for Flow
Distribution
Control

HVAC For
Ventilation and
Odor Control



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Facility Design Adjustments to Minimize Cost

- New facility layout and hydraulic design accommodates existing influent pumps and surge tower without improvements or replacement
- Grit removal units are largest available to reduce footprint while maximizing treated gallon per square foot
- Reduced overall building height through equipment location and layout
- Common wall construction to reduce concrete and overall footprint
- Dumpsters for screenings removal (versus large truck loading bays)

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Overall GMP-2 Approach

- Basis for cost estimate
 - 30% design (drawings & specifications)
 - Market quotes
 - Goodwin self-performance (35% min, 55% proposed)
 - Meeting MBE/WBE Goals
- Basis for Phase 2 Amendment
 - Cost estimate
 - 60% design (drawings & specifications)
 - Deliverables required by contract

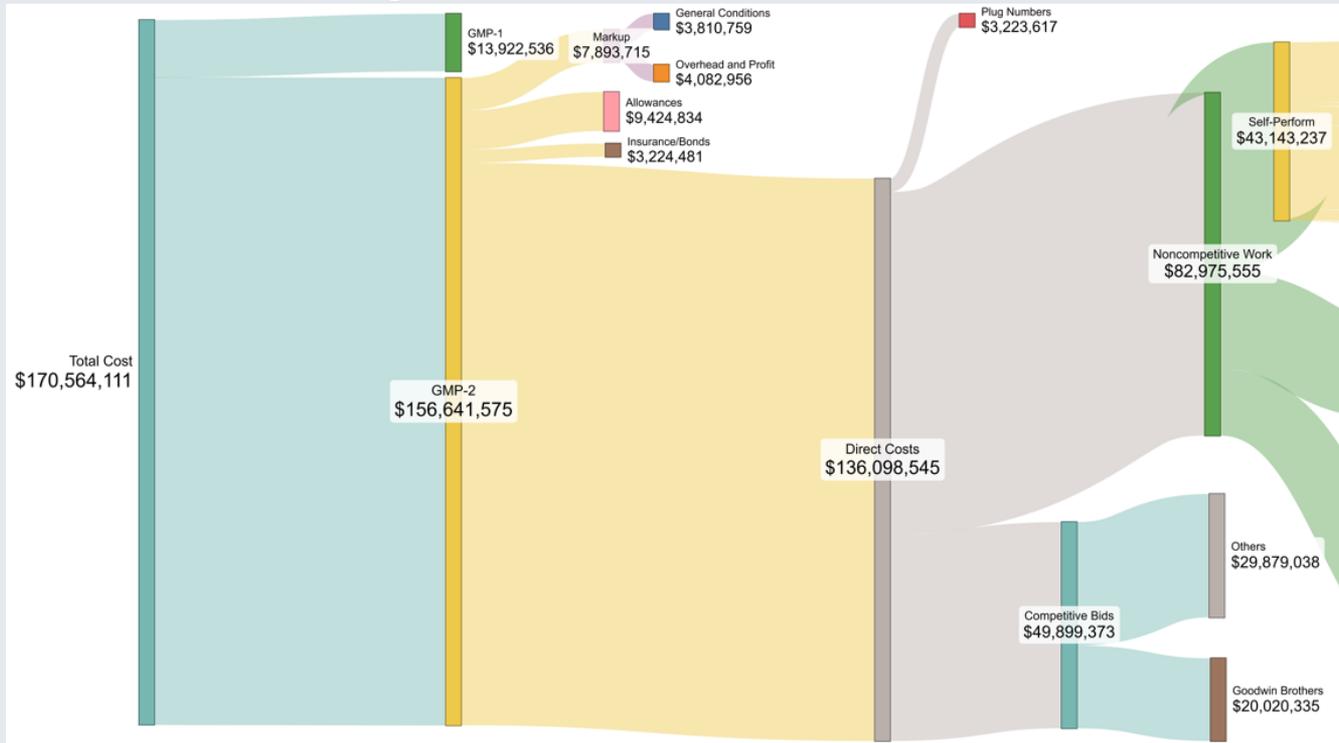
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Cost Estimate Basis

- Direct Cost of Work
 - Competitive: quotes and bids from market partners
 - Non-competitive: planned self-perform
 - Plug: estimate for other subcontractor to perform, actual cost pending future bid or quote
 - Allowances
- General Conditions Percentage
- Overhead and Profit Percentage

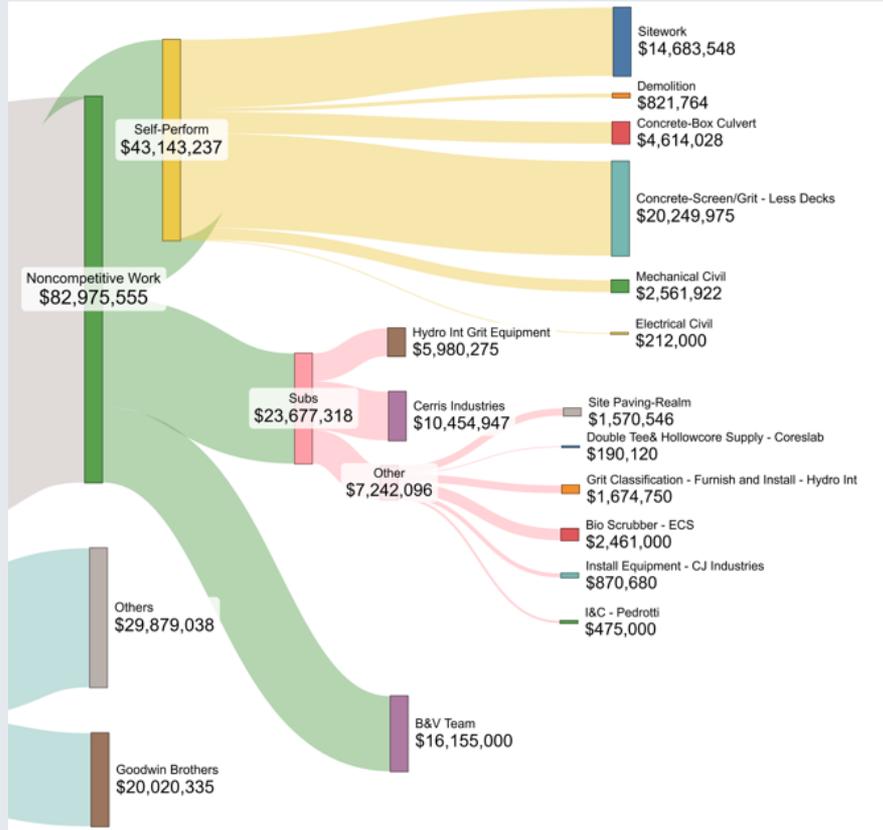
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GMP-2 Summary



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GMP-2 Summary



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Allowances

• Influent PS and tower work	\$	475,000
• Effluent box culvert tie-in	\$	100,000
• Under seepage issues	\$	600,000
• Groundwater dewatering (box culverts)	\$	2,700,000
• NEID modifications	\$	4,000,000
• PACL system	\$	500,000
• Smart BIM	\$	100,000
• Soil mixing credit	\$	433,161
• Subtotal	\$	8,908,161
• General Conditions and Fee	\$	516,673
• Total (including General Conditions and Fee)	\$	9,424,834

THANK YOU

A decorative graphic at the bottom of the slide consisting of several overlapping, wavy bands of blue in various shades, from light to dark, creating a sense of water or movement.