

# **REGIONAL METROPOLITAN UTILITY AUTHORITY**

## **QUARTERLY REPORT**

**APPROVED SEPTEMBER 10, 2025  
(RMUA MEETING)**

**SECTION ONE:**  
**OPERATIONS REPORT**

**REGIONAL METROPOLITAN UTILITY AUTHORITY**  
**QUARTERLY SUMMARY**  
**SEPTEMBER 10, 2025**

|                                                                                               |              |
|-----------------------------------------------------------------------------------------------|--------------|
| Average Daily Flow for Quarter                                                                | 13.80 MGD    |
| Total Suspended Solids (TSS) Removal                                                          | 97.6 %       |
| Biochemical Oxygen Demand (BOD) Removal                                                       | 98.4 %       |
| Total Sludge Hauled for the Quarter                                                           | 5.0 MG       |
| Broken Arrow Flow Split for the Period                                                        | 43.2 %       |
| Estimated Average Flow from Broken Arrow for the Quarter                                      | 5.96 MGD     |
| Total Net Position at end of the Quarter<br>(Note: Broken Arrow's Share is Approximaetly 50%) | \$75,864,853 |

**DIVISION ONE:**  
**SYSTEMS REPORT**

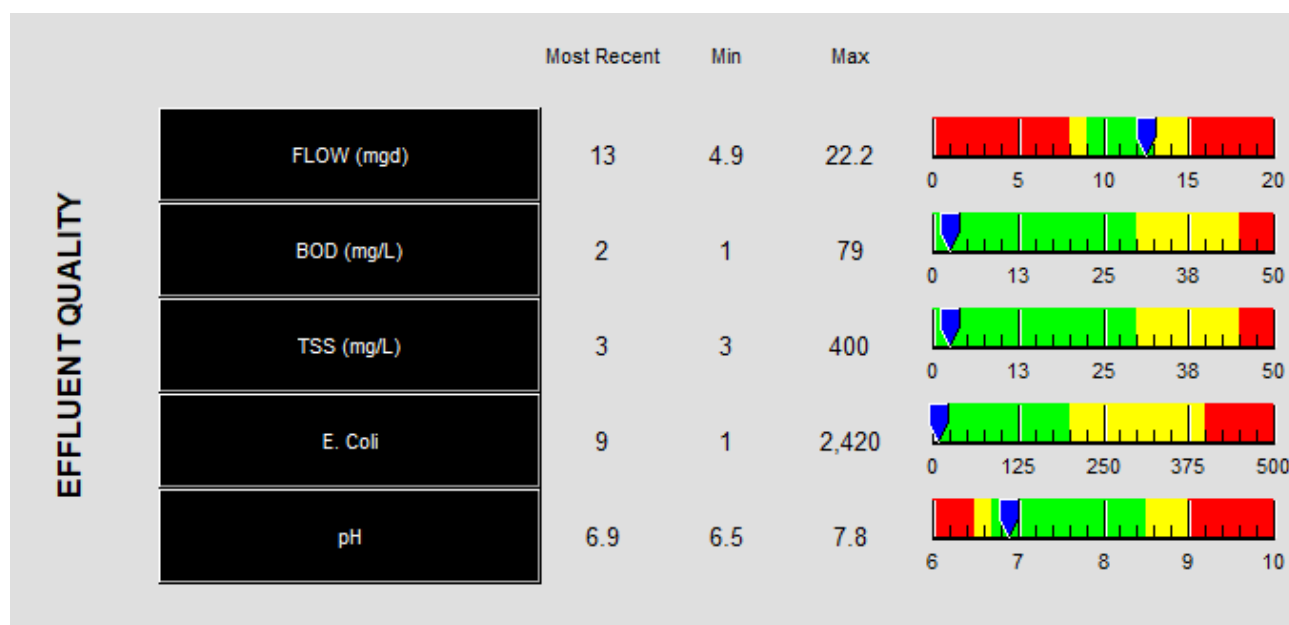
# REGIONAL METROPOLITAN UTILITY AUTHORITY

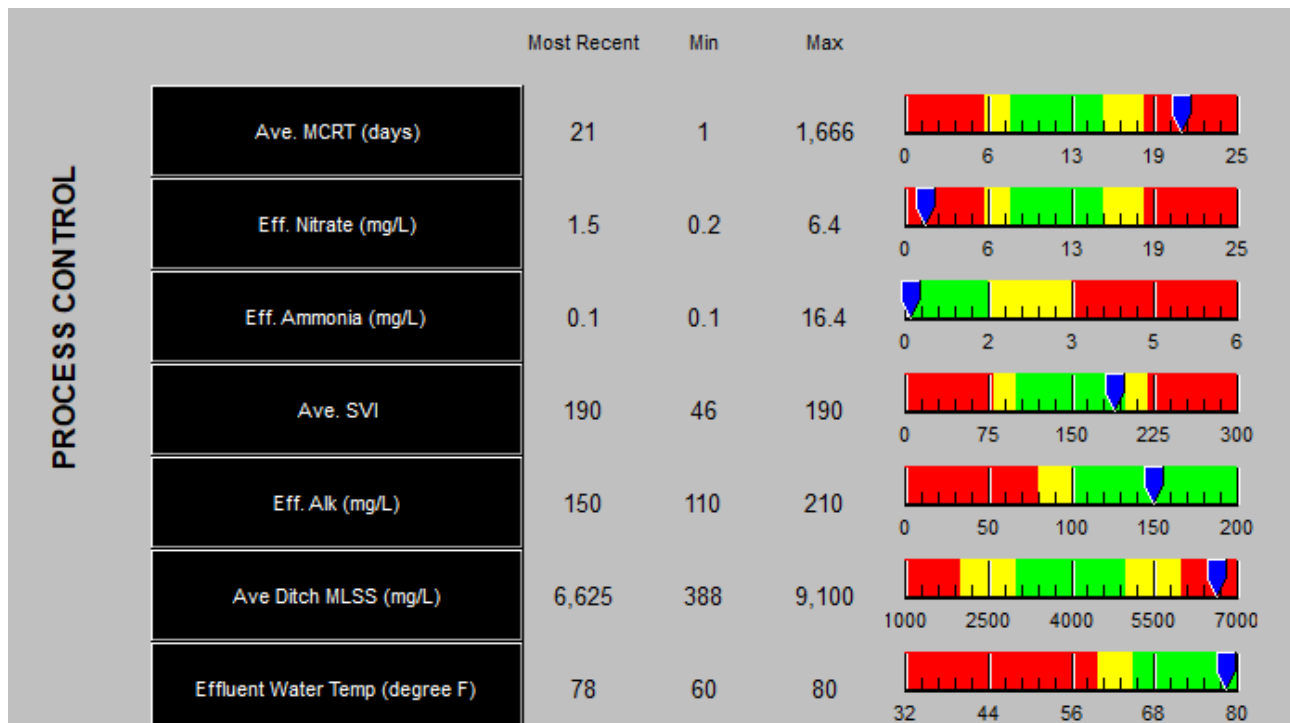
## QUARTERLY REPORT

FIRST QUARTER FY 2025-2026 (JULY, AUGUST, SEPTEMBER)

### PROCESS SUMMARY

- Average daily flow – **13.8 mgd**
- Average daily effluent BOD – **2.6 mg/L**
- Average daily effluent TSS – **4.2 mg/L**
- **12 inches** of rainfall occurred during this period to date. The historical average for this period is **10.6 inches**.





## CONSTRUCTION SUMMARY

- **FY 25 Capital Equipment Replacements (Holloway, Updike and Bellen):**  
Includes replacement of bar screen conveyor trough liner at Haikey Creek Lift Station, replacement of sump pump at the Grit Facility Building, improvements for the Maintenance Building roof access, and remodel of the Operations Laboratory & Operations Room
  - A kick-off meeting was held on August 11.

## DESIGN SUMMARY

- **Haikey Creek Wastewater Treatment Plant Biosolids Improvements (Jacobs Engineering):**
  - Jacobs has started back with design. They plan to have 95% review plans by November 21.
- **Haikey Creek Lift Station, Phase IV Improvements:**
  - Several meetings have been held to evaluate the alternatives. An update is being provided by Black & Veatch to the Board.

## OPERATIONS COMMITTEE REPORTS

- Meeting minutes from the **July, August and September** meetings are attached.

## FLOW SPLIT

- Shown below is the summary of flow split data used to develop the percentage cost sharing between Tulsa and Broken Arrow for operation and maintenance of the Haikey Creek Wastewater Treatment Plant.
  - Current flow split (**July 2025**): **Broken Arrow 43.2% (168.166 MG) and Tulsa 56.8% (220.870 MG)**
  - 3 Year Average: **Broken Arrow 43.1% and Tulsa 56.9%**

| Time Period | Influent Flow (treated) |                     | Effluent Flow      |                     | BOD5            |                 |                |       |       | Suspended Solids |                 |                |       |       |
|-------------|-------------------------|---------------------|--------------------|---------------------|-----------------|-----------------|----------------|-------|-------|------------------|-----------------|----------------|-------|-------|
|             | Total Monthly (MG)      | Average Daily (MGD) | Total Monthly (MG) | Average Daily (MGD) | Influent (mg/L) | Effluent (mg/L) | Removed (mg/L) | % eff | Count | Influent (mg/L)  | Effluent (mg/L) | Removed (mg/L) | % eff | Count |
| 2024 Jul    | 308.7                   | 10.0                | 362.6              | 11.7                | 224.5           | 2.3             | 222.2          | 99.0  | 62    | 201.7            | 3.4             | 198.2          | 98.3  | 62    |
| 2024 Aug    | 313.8                   | 10.1                | 365.0              | 11.8                | 202.3           | 2.2             | 200.1          | 98.9  | 62    | 216.4            | 3.0             | 213.4          | 98.6  | 62    |
| 2024 Sep    | 306.4                   | 10.2                | 340.2              | 11.3                | 205.0           | 2.3             | 202.7          | 98.9  | 60    | 218.9            | 3.3             | 215.6          | 98.5  | 60    |
| 2024 Oct    | 284.5                   | 9.2                 | 336.6              | 10.9                | 231.0           | 2.4             | 228.6          | 99.0  | 62    | 265.4            | 3.5             | 261.8          | 98.7  | 62    |
| 2024 Nov    | 374.1                   | 12.5                | 419.3              | 14.0                | 162.8           | 2.4             | 160.5          | 98.6  | 60    | 194.5            | 5.6             | 189.0          | 97.1  | 60    |
| 2024 Dec    | 336.9                   | 10.9                | 376.8              | 12.2                | 250.0           | 2.1             | 247.9          | 99.2  | 62    | 218.6            | 3.5             | 215.0          | 98.4  | 62    |
| 2025 Jan    | 350.9                   | 11.3                | 385.3              | 12.4                | 211.4           | 7.3             | 204.1          | 96.5  | 58    | 196.2            | 21.9            | 174.3          | 88.8  | 62    |
| 2025 Feb    | 325.5                   | 11.6                | 358.7              | 12.8                | 206.8           | 3.6             | 203.2          | 98.3  | 56    | 168.8            | 6.6             | 162.2          | 96.1  | 56    |
| 2025 Mar    | 359.4                   | 11.6                | 396.7              | 12.8                | 170.0           | 2.7             | 167.3          | 98.4  | 62    | 155.8            | 3.8             | 152.0          | 97.5  | 62    |
| 2025 Apr    | 429.3                   | 14.3                | 447.5              | 14.9                | 167.1           | 1.9             | 165.2          | 98.9  | 59    | 175.7            | 2.7             | 173.0          | 98.5  | 60    |
| 2025 May    | 429.7                   | 13.9                | 474.8              | 15.3                | 147.1           | 2.3             | 144.8          | 98.5  | 62    | 142.0            | 2.8             | 139.2          | 98.0  | 62    |
| 2025 Jun    | 465.7                   | 15.5                | 486.4              | 16.2                | 141.3           | 2.7             | 138.6          | 98.1  | 60    | 150.6            | 4.0             | 146.6          | 97.4  | 60    |
|             | 4285.03                 | 11.7                | 4749.85            | 13.0                | 192.3           | 2.8             | 190.5          | 98.6  | 725   | 192.3            | 5.4             | 187.0          | 97.2  | 730   |

| Time<br>Period | Influent Flow (treated) |                        | Effluent Flow         |                        | BOD5               |                    |                   |       |       | Suspended Solids   |                    |                   |       |       |
|----------------|-------------------------|------------------------|-----------------------|------------------------|--------------------|--------------------|-------------------|-------|-------|--------------------|--------------------|-------------------|-------|-------|
|                | Total Monthly<br>(MG)   | Average Daily<br>(MGD) | Total Monthly<br>(MG) | Average Daily<br>(MGD) | Influent<br>(mg/L) | Effluent<br>(mg/L) | Removed<br>(mg/L) | % eff | Count | Influent<br>(mg/L) | Effluent<br>(mg/L) | Removed<br>(mg/L) | % eff | Count |
| 2025 Jul       | 383.4                   | 12.4                   | 445.8                 | 14.4                   | 167.7              | 2.3                | 165.4             | 98.6  | 62    | 193.0              | 3.6                | 189.4             | 98.1  | 62    |

|        |      |        |      |       |     |       |      |    |       |     |       |      |    |
|--------|------|--------|------|-------|-----|-------|------|----|-------|-----|-------|------|----|
| 383.38 | 12.4 | 445.77 | 14.4 | 167.7 | 2.3 | 165.4 | 98.6 | 62 | 193.0 | 3.6 | 189.4 | 98.1 | 62 |
|--------|------|--------|------|-------|-----|-------|------|----|-------|-----|-------|------|----|

# RMUA OPERATIONS COMMITTEE

## Minutes

Date: July 2, 2025, 3:00 PM

Location: MS Teams Video Conference

Attendees: Cindy Cantero, Andy Lankford, Pete Denis, Ashley Rhea, Leon Hobson, Randy Martin, Matt Vaughan, Jo Brown, Andrew Liechti, Nam Nguyen, Brandy Parks, Patrick Huycke, Josh Wise, Steve Meier, Eric Lee, Tom Prag and Sam Ray

1. June 3, 2025, meeting minutes submitted for approval.
2. Plant Operations (**Andy Lankford**)
  - Process Summary – June partial
    - TSS Removal: **97.7%**
    - BOD5 Removal: **98.1%**
    - Sludge hauled to SS: **1.52 MG**
    - Average solids concentration hauled: **2.5%**
    - Average monthly flow: **16.21 mgd**
    - RDT solids: **3.0%**
    - MLSS: **6,356 mg/L**
  - ODEQ
    - HCLS Bypass June 6, 15, 18, 21 and 28. Pump #3 is being repaired
    - E-coli daily max exceedance for June
    - Quarterly ODEQ inspection - June 27
    - WET testing passed
3. Industrial Pretreatment (**Ashley Rhea/Bren Summerlin**)
  - **TBL study completed by consultant who recommended no change, sent to ODEQ**
  - **St Francis South is adding housing, cafeteria at new building – Bren will get new flow estimates**
4. FY '25 Capital Improvements, Design (**Cindy Cantero/Andy Lankford**)
  - Includes remodel of Operations Laboratory & Operations Room, Maintenance Building Access and Safety Improvements, Grit Building Sump Pump Replacement and HCLS Barscreen Conveyor Trough Liner Replacement.
  - Crossland Heavy Contractors was low bidder. Award of Bid on March 12 RMUA Board Meeting.
  - **Contract still in process – hoping to kick off end of July**
5. HCLS Phase IV Improvements, Design – Black & Veatch (**Nam Nguyen**)
  - TM #3 draft submittal is planned for end of July.

- After evaluation of alternate sites and the existing site, the existing site is preferred by Tulsa and BA. Looking at elevating the access road above flood levels and adding a FEB upstream on BA side.
- FEB modeling was completed by Tetra Tech and given to B&V. Meeting to discuss – April 3 to group.
- FEB sites were narrowed down to three sites
- Amendment for flow monitoring and FEB evaluation ready to be submitted to the Board – approved, issued notice to proceed
- **Looking at options for a monitoring well on right away close to location of potential FEB. Confirming easements for nearby pipe.**
- Met to discuss HCLS alternatives cost benefit analysis, finalizing some details before we move forward with recommendation to RMUA
- **Drew emailed a list of items needed for the next monthly meeting to B&V/HUB**

#### 6. Biosolids Improvements, Design - Jacobs (Nam Nguyen)

- Amendment #2 which includes shovel test, additional costs for environmental study and other possible LOEs (level of efforts) and Pilot Study. These LOEs include Blower Bldg, Office Bldg, Rehab of storage tank, yard piping improvements and gravity thickener decommissioning. –Approved and issued notice to proceed (Jacobs requested not to go beyond 65% until an alternative solution is provided and approved)
- Matt and Cindy to review Service Agreement and incorporation of receiving revenues.
- Draft Sludge Mgmt Plan submitted to ODEQ in January
- USDA Grant is obligated.
- **Jacobs presented a recommendation to move forward with compost to RMUA.**
- **Pushing to get design back in process and answer questions from the 65% design.**
- **Broken Arrow has begun their loan process (OWRB FAP) for their portion of the construction project. Tulsa to go through revenue bond. Should have money by October before bidding documents are ready.**

#### 7. Insurance - Gallagher (Cindy Cantero)

- Flood Insurance
  - Perform survey to find low lying assets that we are concerned about flooding. Plan to present flood coverage for those areas at the October RMUA meeting.
  - **UV lamp structure wasn't surveyed during the initial survey. Still waiting on complete survey data.**
- Director and Operator's Insurance
  - **Need to discuss D&O coverage with Jeremy – before November to budget for FY27.**

#### 8. Planning Issues:

- BCE
  - SCADA Blower – tabling the BCE for next year. Still troubleshooting. Rockwell Automation is monitoring currents on blower. **Neuros is discussing changing the 3 units to match the 4<sup>th</sup> unit that is working.**

**Panel sent back to Neuros for investigation. Made it through a couple of storms without failure.**

- Oxidation Ditch Demolition – planning to do as WPC project in FY26 through HUB. BA and Tulsa have capital funding to provide for this project.
  - **Meet with Emily to discuss the requirements of FAP loans on BA side. Check with Tulsa is cash. Planning to work with HUB on this project soon.**
- Growth in Basin (Pete Denis)
  - This will be included on the Comprehensive Study
  - **Schedule meeting with Tulsa GIS staff to look at draft utility map – do we have all information together in one tool. Discuss access, review data.**
- Composting Expansion –
  - Working with Broken Arrow, Bixby and Jenks to get quantities and level of interest – Task is paused

9. Other Items:

- RMUA **Sept 10** Agenda Items
  - HCLS Update
- **Anchor Stone** - request for lease agreement providing access to a new sand mining operation located adjacent to Haikey Creek Wastewater Treatment Plant.
  - Moving gate and entrance from old location to new location.
- Next Meeting: **Next regularly scheduled meeting is August 6, 2025, 3:00 PM via Teams.**

10. Adjourn

# RMUA OPERATIONS COMMITTEE

## Minutes

Date: August 6, 2025, 3:00 PM

Location: MS Teams Video Conference

Attendees: Cindy Cantero, Andy Lankford, Pete Denis, Ashley Rhea, Leon Hobson, Matt Vaughan, Andrew Liechti, Nam Nguyen, Brandy Parks, Emily Rowland, Tim Robins, Patrick Huycke and Sam Ray

1. July 2, 2025, meeting minutes submitted for approval.
2. Plant Operations (**Andy Lankford**)
  - Process Summary – July partial
    - TSS Removal: **97.9%**
    - BOD5 Removal: **98.5%**
    - Sludge hauled to SS: **1.67 MG**
    - Average solids concentration hauled: **2.6%**
    - Average monthly flow: **14.38 mgd**
    - RDT solids: **2.8%**
    - MLSS: **7,157 mg/L**
3. Industrial Pretreatment (**Ashley Rhea/Tim Robins**)
  - TBLL study completed by consultant, who recommended no change, sent to ODEQ
  - **St Francis South is adding housing, cafeteria at new building – Bren will get new flow estimates**
  - **BA started PFAS sampling on (every two months) influent, effluent and biosolids. Sampled residential, commercial throughout the basin.**
  - **Tulsa is doing sampling for PFAS of influent, effluent, biosolids quarterly**
4. FY '25 Capital Improvements, Design (**Cindy Cantero/Andy Lankford**)
  - Includes remodel of Operations Laboratory & Operations Room, Maintenance Building Access and Safety Improvements, Grit Building Sump Pump Replacement and HCLS Barscreen Conveyor Trough Liner Replacement.
  - Crossland Heavy Contractors was low bidder. Award of Bid on March 12 RMUA Board Meeting.
  - **Contract is approved. Pework scheduled for August 11 at 1:30**
5. HCLS Phase IV Improvements, Design – Black & Veatch (**Nam Nguyen**)
  - TM #3 draft submittal is planned for end of July.
  - After evaluation of alternate sites and the existing site, the existing site is preferred by Tulsa and BA. Looking at elevating the access road above flood levels and adding a FEB upstream on BA side.

- FEB modeling was completed by Tetra Tech and given to B&V. Meeting to discuss – April 3 to group.
- FEB sites were narrowed down to three sites
- Amendment for flow monitoring and FEB evaluation ready to be submitted to the Board – approved, issued notice to proceed
- **Looking at options for a monitoring well on right away close to location of potential FEB. Confirming easements for nearby pipe. Scheduled to install on 8/11.**
- Met to discuss HCLS alternatives cost benefit analysis, finalizing some details before we move forward with recommendation to RMUA
- **Presenting update to board in September**
- **Monthly meeting on Aug 13 to discuss path forward**

6. Biosolids Improvements, Design - Jacobs (Nam Nguyen)

- Amendment #2 which includes shovel test, additional costs for environmental study and other possible LOEs (level of efforts) and Pilot Study. These LOEs include Blower Bldg, Office Bldg, Rehab of storage tank, yard piping improvements and gravity thickener decommissioning. –Approved and issued notice to proceed (Jacobs requested not to go beyond 65% until an alternative solution is provided and approved)
- Matt and Cindy to review Service Agreement and incorporation of receiving revenues.
- Draft Sludge Mgmt Plan submitted to ODEQ in January
- USDA Grant is obligated.
- Jacobs presented a recommendation to move forward with compost to RMUA.
- **Pushing to get design back in process and answer questions from the 65% design.**
- **Broken Arrow has begun their loan process (OWRB FAP) for their portion of the construction project. Tulsa to go through revenue bond. Should have money by October before bidding documents are ready.**
- **November 21 is target for 95% review set.**

7. Insurance - Gallagher (Cindy Cantero)

- Flood Insurance
  - Perform survey to find low lying assets that we are concerned about flooding. Plan to present flood coverage for those areas at the October RMUA meeting.
  - **UV lamp structure wasn't surveyed during the initial survey. Still waiting on complete survey data.**
- Director and Operator's Insurance
  - **Need to discuss D&O coverage with Jeremy – before November to budget for FY27.**

8. Planning Issues:

- BCE
  - **SCADA Blower – Neuros will change the 3 units to match the 4<sup>th</sup> unit that is working at no cost to the City. Waiting on date from Neuros.**
  - Oxidation Ditch Demolition – planning to do as WPC project in FY26 through HUB. BA and Tulsa have capital funding to provide for this project.

- **Meet with Emily to discuss the requirements of FAP loans on BA side. Tulsa's portion is cash. Planning to work with HUB on this project soon.**
- Growth in Basin (Pete Denis)
  - This will be included on the Comprehensive Study
  - **Tulsa GIS to send out a link and instructions for map. Then will schedule meeting with Tulsa and BA to review.**
- Composting Expansion –
  - Broken Arrow, Bixby and Jenks are interested in bringing solids to facility
    - **Ensure that future project is expandable**
    - **Pete to obtain high level costs to provide interested parties to test their interest**

9. Other Items:

- RMUA **Sept 10** Agenda Items
  - HCLS Update
- **Anchor Stone** - request for lease agreement providing access to a new sand mining operation located adjacent to Haikey Creek Wastewater Treatment Plant.
  - Moving gate and entrance from old location to new location.
- **BA is adding ADS meters to trend I&I.**
- Next Meeting: **Next regularly scheduled meeting is September 3, 2025, 3:00 PM via Teams.**

10. Adjourn

# RMUA OPERATIONS COMMITTEE

## Agenda

Date: September 3, 2025, 3:00 PM

Location: MS Teams Video Conference

Attendees: Cindy Cantero, Andy Lankford, Steve Meier, Matt Parsell, Josh Wise, Randy Martin, Ashley Rhea, Leon Hobson, Matt Vaughan, Nam Nguyen, Brandy Parks, Bren Summerlin, Tim Robins, Patrick Huycke, Andrew Liechti, Winford Sterlin, Jo Brown and Sam Ray

1. August 6, 2025, meeting minutes submitted for approval.
2. Plant Operations (**Andy Lankford**)
  - Process Summary – August partial
    - TSS Removal: **97.3%**
    - BOD5 Removal: **98.6%**
    - Sludge hauled to SS: **1.79 MG**
    - Average solids concentration hauled: **2.8%**
    - Average monthly flow: **13.38 mgd**
    - RDT solids: **3.1%**
    - MLSS: **6,974 mg/L**
3. Industrial Pretreatment (**Ashley Rhea/Tim Robins**)
  - TBLL study completed by consultant, who recommended no change, sent to ODEQ
  - St Francis South is adding housing, cafeteria at new building – **Bren is waiting on new flow estimates**
  - BA started PFAS sampling on (every two months) influent, effluent and biosolids. Sampled residential, commercial throughout the basin.
  - Tulsa is doing sampling for PFAS of influent, effluent, biosolids quarterly
  - **Received 5-year audit with minor items, which have been fixed.**
4. FY '25 Capital Improvements, Crossland (**Cindy Cantero/Andy Lankford**)
  - Includes remodel of Operations Laboratory & Operations Room, Maintenance Building Access and Safety Improvements, Grit Building Sump Pump Replacement and HCLS Barscreen Conveyor Trough Liner Replacement.
  - **Pework held August 11**
  - **Coordination on lab and control room has begun**
5. HCLS Phase IV Improvements, Design – Black & Veatch (**Nam Nguyen**)
  - TM #3 draft submittal is planned for end of July.
  - After evaluation of alternate sites and the existing site, the existing site is preferred by Tulsa and BA. Looking at elevating the access road above flood levels and adding a FEB upstream on BA side.
  - **Monitoring well found high water table.**
  - **BA and Tulsa has agreed to Alternative 1 which will be presented to RMUA at the Sept meeting**

6. Biosolids Improvements, Design - Jacobs (**Nam Nguyen**)

- Matt and Cindy to review Service Agreement and incorporation of receiving revenues.
- Draft Sludge Mgmt Plan submitted to ODEQ in January
- USDA Grant is obligated.
- **Team is back on design and answering questions from the 65% design.**
- Broken Arrow has begun their loan process (OWRB FAP) for their portion of the construction project. Tulsa to go through revenue bond. Should have money by October before bidding documents are ready.
- **November 21 is target for 95% review set.**
- **Received revised Sludge Management Plan for review.**

7. Insurance - Gallagher (**Cindy Cantero**)

- Flood Insurance
  - Perform survey to find low lying assets that we are concerned about flooding. Plan to present flood coverage for those areas at the October RMUA meeting.
  - **Finalizing a map of survey points to provide to group.**
- Director and Operator's Insurance
  - **Need to discuss D&O coverage with Jeremy – before November to budget for FY27.**

8. Planning Issues:

- Composting Expansion –
  - Broken Arrow, Bixby and Jenks are interested in bringing solids to facility
    - **Ensure that future project is expandable**
    - **Pete to obtain high level costs to provide interested parties to test their interest**

9. Other Items:

- **Anchor Stone** - request for lease agreement providing access to a new sand mining operation located adjacent to Haikey Creek Wastewater Treatment Plant.
  - Moving gate and entrance from old location to new location.
- **Neuros Blowers**
  - Neuros plans to change the 3 units to match the 4<sup>th</sup> unit that is working at no cost to the City. **Parts arrived. Technicians will be on site Sept 8.**
  - **Discussion on blower maintenance plans. Tim and Andy recommends the Asset Management and Maintenance Service Plan for a 5 year option.**
- **GIS Map**
  - **Josh Wise and Matt Parsell presented the map showing water, wastewater and stormwater. It was requested to add the manholes to the map.**
  - **Josh is researching discrepancies on a few lines to get ownership clarified.**

- BA is adding ADS meters to trend I&I. **Floating cameras down large diameter pipes.**
- RMUA **Sept 10** Agenda Items
  - HCLS Update
- Next Meeting: **Next regularly scheduled meeting is October 1, 2025, 3:00 PM via Teams. BA staff will be at WEFTEC. May reschedule.**

10. Adjourn

**DIVISION TWO:**  
**COMMITTEE MEETING MINUTES**

09/08/2025 07:50 AM

Office of the  
City Clerk

# Regional Metropolitan Utility Authority

**NOTICE AND AGENDA  
REGULAR MEETING  
REGIONAL METROPOLITAN UTILITY AUTHORITY  
WEDNESDAY SEPTEMBER 10, 2025  
8:00 AM CONFERENCE ROOM 10 NORTH  
ONE TECHNOLOGY CENTER  
175 E. 2<sup>ND</sup> STREET  
TULSA, OKLAHOMA 74103**

Trustees of the Regional Metropolitan Utility Authority and presenters are required by law to attend this meeting in person.

Non-presenting staff and members of the public can attend the Regional Metropolitan Utility Authority meeting in person or by videoconferencing and teleconferencing via GoToMeeting by joining from a computer, tablet, or smartphone using the following link:

<https://meet.goto.com/236413893>

Non-presenting staff and members of the public can also dial in using their phone by dialing: [+1 \(571\) 317-3112](tel:+15713173112). Participants must then enter the following Access Code: [236-413-893](tel:+15713173112).

**INTRODUCTION AND NOTICE TO THE PUBLIC** – At this meeting, the Trustees will consider, discuss, and may take action on, adopt, amend, reject, or defer action on any item listed on this Agenda.

1. **OATH OF OFFICE**
  - a. Anthony Wilkins – City of Bixby
  - b. Kim Coody – City of Jenks
2. **ROLL CALL**
- \*3. **MINUTES OF MEETING** - Minutes of the regular meeting of June 11, 2025 presented for correction or approval.
- \*4. **REPORTS**
  - a. **Haikey Creek Quarterly Report**  
Cindy Cantero, City of Tulsa Water & Sewer Department A summary of Haikey Creek Wastewater Treatment Plant performance; status of design and construction projects; discussion of planning issues impacting the RMUA facilities; and the current flow split between the City of Tulsa and the City of Broken Arrow.

**b. Quarterly Pretreatment Report**

**Ashley Rhea, City of Broken Arrow Pretreatment Coordinator** – A status report outlining pretreatment activities for significant industrial users, commercial users, and food handling establishments discharging wastewater to the Haikey Creek Wastewater Treatment Plant.

**\*5. MISC. ACTION ITEMS**

- a. **Haikey Creek Lift Station Phase 4 (Capacity Enhancement) – Black & Veatch Corporation – ES 2022-04 – Contract No. 135541 – Approve – Tom Prag.** This presentation will include an update on the conceptual design alternative analyses for upsizing the firm pumping capacity of the lift station from 22 million gallons per day (MGD) of peak pumping capacity to 42+ MGD of peak pumping capacity. Both City of Broken Arrow staff and City of Tulsa staff recommend moving forward with Alternative No. 1 – Adding a Supplemental Lift Station at Existing Site. After completion of the presentation, staff will seek approval to move forward with design of the selected alternative and begin negotiations with consultant for a contract Amendment No. 2. Professional engineering services will include preliminary and final design services along with engineering services during construction. Construction funding needs will be updated in a business case evaluation and brought back to the Board later this year in the 5-year capital improvement plan with estimated funding year targeted for Fiscal Year 2028. Design Amendment No. 2 will be brought back to the Board at the next meeting for review, consideration, and approval. **RECOMMEND APPROVAL** (Contract No. 135541) (Tracking No. UB0119623).

**6. NEW BUSINESS**

**[NOTE: “New Business” is restricted to any matter not known about or which could not have been reasonably foreseen prior to the time of posting. *Oklahoma Open Meeting Act, 25 O.S. 2001, § 311(9)***

**7. DATE OF NEXT MEETING**

The next RMUA meeting is scheduled for Wednesday, December 3<sup>rd</sup>, 2025 at 8:00 am Conference Room 10 North, City Hall, One Technology Center, 175 East 2<sup>nd</sup> Street, Tulsa, Oklahoma.

**8. APPROVAL OF AGENDA**

**9. ADJOURN**

\*Denotes backup documents attached.

**Link to Agenda and backup**

**<https://www.cityoftulsa.org/apps/uploadfiles/rmua/>**

# REGIONAL METROPOLITAN UTILITY AUTHORITY MINUTES

Minutes of the regular meeting of the Regional Metropolitan Utility Authority held in Conference Room 10 North, One Technology Center, 175 East 2<sup>nd</sup> Street, Tulsa, Oklahoma 74103, on Wednesday, June, 11, 2025 at 8:00 a.m. Herein are the minutes corresponding to the Notice and Agenda posted in the City Clerk's Office on June 6, 2025 at 1:24 p.m.

Vice-Chairman Richard Sevenoaks called the meeting to order at 8:00 a.m.

**Roll Call Disclosed the Following Trustees Present:**

Kenny Schwab, Richard Sevenoaks, Dwayne Henderson, Bea Aamodt, Barry Parsons, Travis Blundell, Joey Weidel.

**Also present was Jeremy Ward, Attorney for the Trust**

\*\*\*\*\*

**1. ROLL CALL**

**Roll Call Disclosed the Following Trustees Present:**

|                          |         |                         |         |
|--------------------------|---------|-------------------------|---------|
| Debra Wimpee, B.A.       | Absent  | Bea Aamodt, Bixby       | Present |
| Kenny Schwab, B.A.       | Present | VACANT, Jenks           | Absent  |
| Jeff Dunn, Tulsa         | Absent  | Barry Parsons, Jenks    | Present |
| Richard Sevenoaks, TMUA  | Present | Travis Blundell, Owasso | Present |
| Dwayne Henderson, Owasso | Present | Joey Weidel, Bixby      | Present |

- \*2. MINUTES OF MEETING** - Minutes of the regular meeting of March 12, 2025, presented for correction or approval.

Mr. Henderson motioned to approve the minutes from March 12, 2025, Mr. Parsons seconded. Motion carried unanimously.

**\*3. REPORTS**

**a. Haikey Creek Quarterly Report Cindy Cantero, City of Tulsa Water & Sewer Department** A summary of Haikey Creek Wastewater Treatment Plant performance; status of design and construction projects; discussion of planning issues impacting the RMUA facilities; and the current flow split between the City of Tulsa and the City of Broken Arrow.

Mr. Cantero advised the average daily flow was 15.2 mgd, the average daily effluent BOD was 2.1 mg/L, and the average daily effluent TSS was 2.8 mg/L. 22.6 inches of rainfall occurred during this period to date. The historical average for this period is 14.78 inches. Haikey Creek Lift Station had a bypass on April 20, April 30, May 25, and June 6. Updates regarding FY 25 Capital Equipment Replacements with Holloway, Updike and Bellen include replacement of bar

screen conveyor trough liner at Haikey Creek Lift Station, replacement of sump pump at the Grit Facility Building, improvements for the Maintenance Building roof access, and remodel of the Operations Laboratory & Operations Room. Haikey Creek Wastewater Treatment Plant Biosolids Improvements. Phase IV Improvements Costs and Non-Economic factors are being analyzed for two alternatives (1A is a supplemental station at the existing site and 4 is a flow equalization basin).

Current flow split shows (April 2025): Broken Arrow 48.2% (205.854 MG) and Tulsa 51.8% (221.126 MG). The 3 Year Average is Broken Arrow 43.1% and Tulsa 56.9%. Questions were welcomed.

**b. Quarterly Pretreatment Report Ashley Rhea, City of Broken Arrow Water Resource Coordinator** - A status report outlining pretreatment activities for significant industrial users, commercial users, and food handling establishments discharging wastewater to the Haikey Creek Wastewater Treatment Plant.

Ashley Rhea presented that there were 3 violations for insufficient service. Annual Inspections/Control Authority Sampling was performed at Unifirst and Flight Safety. There were 123 grease interceptor inspections from March-May. Questions were welcomed.

**c. RMUA Comparative Financial Statements for the Nine Months Ended March 31, 2025 and 2024 – Annette Bess CPA, Finance Department** Accounting will present the net position of the RMUA

Annette Bess presented financial statements for Revenues, Expenses and Changes in Net Position, Statements of Net Position, and Statement of Cash Flows. Questions were welcomed.

**\*4. MISC. ACTION ITEMS**

**a. Haikey Creek WWTP Biosolids Improvements Project Status Update and Request to Issue a Notice to Proceed to Consultant to begin Final Design services – Jacobs Engineering Group, Inc. – ES 2020-11 – Contract No. 135959 – Approve - Tom Prag.** Amendment No. 2 to the Agreement for Professional Engineering Services between the Regional Metropolitan Utility Authority (“RMUA”) and Jacobs Engineering Group, Inc. for RMUA Project No. ES 2020-11, Haikey Creek Wastewater Treatment Plant Biosolids Improvements, was approved by the RMUA on March 12, 2025. However, staff were instructed not to issue a “Notice to Proceed to Consultant” to begin Final Design services until the regulatory environment at the State level became clearer. This presentation will include an update on PFAS legislation in Oklahoma, as well as a review of PFAS implications in wastewater biosolids. It will also provide a general overview of the current regulatory landscape for PFAS, including how the EPA and other states are addressing the presence of PFAS in biosolids. Additionally, the presentation will include high-level comparisons of capital costs associated with composting vs. alternative treatment technologies. After completion of the presentation, City of Tulsa staff will seek approval to now issue the “Notice to Proceed to Consultant” to move forward with the Final Design of the composting Project. **APPROVED** (Contract No. 135959)

**b. Discuss and Approve the RMUA FY26 Operating Budget and Financial Plan – Approve – Colber Portugal.** For your approval, the RMUA FY26 proposed operating budget of

\$5,680,000 and FY27 financial plan of \$5,680,000. The operating budget has been proposed by the Ops Committee representing both cities. **APPROVED**

The proposed FY26 budget is \$882,514 more than the FY25 approved budget. The major variances are: \$910,837 increase in plant operations service mainly driven by contingency landfill fees of \$999,000 offset by a decrease in other operations services by \$88,163; additionally, \$1,120 increase for plant capital equipment and \$29,443 decrease in liability and property insurance in FY26.

**c. Discuss and Approve the RMUA FY26 Capital Budget and FY27 Financial Plan – Approve – Colber Portugal.** For your approval is the RMUA FY26 proposed Capital Budget of \$42,296,000 and FY27 Financial Plan of \$1,102,000. The Capital Budget has been proposed by the Ops Committee representing both cities. The projects listed match those included in the FY26 TMUA sewer rate model. **APPROVED**

RMUA FY26 proposed capital budget and FY27 financial plan of \$42,296,000 and \$1,102,000, respectively. The capital budget has been proposed by the Ops Committee representing both cities. The projects listed match those included in the FY26 TMUA sewer rate model. The proposed FY26 capital budget is \$42,296,000. \$40,000,000 of the proposed capital budget will be used for fertilizer production at the Haikey Creek facility. \$1,226,000 was budgeted for the Haikey Creek lift station's improvement, and \$1,070,000 budgeted for equipment replacement, repair, and improvements. The FY27 financial plan is \$1,102,000. which will be used for equipment replacements, repairs, and improvements at Haikey Creek.

**5. NEW BUSINESS**

There was none.

**6. DATE OF NEXT MEETING**

The next RMUA meeting is scheduled for Wednesday, September 10, 2025, at 8:00 am Conference Room 10 North, City Hall, One Technology Center, 175 East 2<sup>nd</sup> Street, Tulsa, Oklahoma.

**7. APPROVAL OF AGENDA**

Mr. Schwab moved to approve the agenda. Mr. Henderson seconded. Motion carries unanimously.

**9. ADJOURN**

Vice Chairman Sevenoaks adjourned the meeting at 8:51 a.m.

*Bri Burk*

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**Bri Burk Administrator  
Regional Metropolitan Utility Authority**

**SECTION TWO:**  
**PRETREATMENT REPORT**



## Summary of the City of Broken Arrow June 2025 to August 2025 Pretreatment Report to the RMUA Board

City of Broken Arrow pretreatment staff prepared a quarterly report to the Regional Metropolitan Utility Authority (RMUA) outlining pretreatment activities for significant industrial users, commercial users, and food handling establishments discharging wastewater to the Haikey Creek Wastewater Treatment Plant. The activities listed are for the months of June 2025 through August 2025.

The following is a summary of the report:

### **Fats, Oil and Grease Pollution Prevention:**

There were 91 grease interceptors inspected in this reporting period. Staff inspected the grease interceptor, looked at manifests for grease interceptor maintenance, and discussed best management practices for pollution prevention with management. Facilities that had interceptors that needed attention were asked to have maintenance performed within 15 days. Three notices of violation for interceptor repair/replacement were issued to facilities in this reporting period. Three notices of violation were issued for insufficient service. Three interceptor repair/replacements were completed during this reporting period.

### **Industrial Pretreatment:**

All mandatory industrial user monitoring reports were received for this reporting period with one notice of violation issued for Communication Graphics. Surcharges for bio-chemical oxygen demand (BOD), total suspended solids (TSS), and oil & grease above residential thresholds were issued to Unifirst each month for a total of \$1222.42 and Communication Graphics for a total of \$134.67.

Compliance reports were received from five industries. Annual inspections and/or control authority sampling have been conducted on three industries.



## RMUA-Broken Arrow Meeting Breakdown-9/10/2025

Reporting on Events June 2025 – August 2025

### Monthly Surcharges for Unifirst and Communication Graphics:

Unifirst - \$1222.42 (June - August)

Communication Graphics - \$134.67 (June - August)

**Total - \$1357.09**

### Compliance Reports received for:

- Unifirst- No violations
- Communication Graphics- pH violation on 7/8/2025 – Resampled 7/9/2025 – Back in compliance.
- Flight Safety - No violations
- CSI Aerospace – No violations
- Broken Arrow Powder Coating – No violations

### Annual Inspections/Control Authority Sampling performed:

- CSI Aerospace – Control Authority Sampling
- Broken Arrow Powder Coating – Control Authority Sampling
- Communication Graphics - Control Authority Sampling

### Fats, Rags, Oils, and Grease

- 91 grease interceptor inspections from June-August
- 3 New replacement notifications/repairs issued
- 3 Repair/replacements completed.
- 3 Notices of Violation issued for insufficient service

### **Ashley Rhea**

*Water Resource Coordinator  
Utilities Department*

### **City of Broken Arrow**

**PO Box 610**

**485 N. Poplar Ave.**

**Broken Arrow, OK 74012**

Office: 918-259-7000 Ext. 7220

Fax: 918-259-7010

[arhea@brokenarrowok.gov](mailto:arhea@brokenarrowok.gov) | [www.brokenarrowok.gov](http://www.brokenarrowok.gov)

**SECTION THREE:**  
**FINANCIAL REPORT**

# **REGIONAL METROPOLITAN UTILITY AUTHORITY**

Comparative Financial Statements  
Nine Months Ended March 31, 2025 and 2024



Prepared by  
City of Tulsa  
Department of Finance

**REGIONAL METROPOLITAN UTILITY AUTHORITY**  
**Statements of Revenues, Expenses and Changes in Net Position**  
**For the Nine Months Ended March 31, 2025 and 2024**

|                                              | 2025          | 2024          | Change     |            |
|----------------------------------------------|---------------|---------------|------------|------------|
|                                              |               |               | Dollar     | Percentage |
| <b>Operating revenues</b>                    |               |               |            |            |
| Utility service                              | \$ 3,125,158  | \$ 2,566,061  | \$ 559,097 | 21.8%      |
| <b>Operating expenses</b>                    |               |               |            |            |
| Other services and fees                      | 2,976,230     | 2,443,751     | 532,479    | 21.8%      |
| Depreciation                                 | 1,833,706     | 1,821,534     | 12,172     | 0.7%       |
| Total operating expenses                     | 4,809,936     | 4,265,285     | 544,651    | 12.8%      |
| Operating loss                               | (1,684,778)   | (1,699,224)   | 14,446     | 0.9%       |
| <b>Nonoperating revenues</b>                 |               |               |            |            |
| Investment gain                              | 42,367        | 38,891        | 3,476      | 8.9%       |
| Total nonoperating revenues                  | 42,367        | 38,891        | 3,476      | 8.9%       |
| Loss before capital contributions            | (1,642,411)   | (1,660,333)   | 17,922     | 1.1%       |
| <b>Other revenues</b>                        |               |               |            |            |
| Capital contributions - City of Broken Arrow | 954,031       | 402,619       | 551,412    | 137.0%     |
| Capital contributions - City of Tulsa        | 954,031       | 402,619       | 551,412    | 137.0%     |
| Total capital contributions                  | 1,908,062     | 805,238       | 1,102,824  | 137.0%     |
| Change in net position                       | 265,651       | (855,095)     | 1,120,746  | 131.1%     |
| <b>Net position - beginning</b>              | 75,599,202    | 76,316,021    | (716,819)  | (0.9%)     |
| <b>Net position - ending</b>                 | \$ 75,864,853 | \$ 75,460,926 | \$ 403,927 | 0.5%       |

**REGIONAL METROPOLITAN UTILITY AUTHORITY**  
**Statements of Net Position**  
**March 31, 2025 and 2024**

|                                       | 2025          | 2024          | Change      |            |
|---------------------------------------|---------------|---------------|-------------|------------|
|                                       |               |               | Dollar      | Percentage |
| <b>Assets</b>                         |               |               |             |            |
| <b>Current assets</b>                 |               |               |             |            |
| Cash and cash equivalents             | \$ 2,196,245  | \$ 1,797,792  | \$ 398,453  | 22.2%      |
| Designated cash and cash equivalents  | 1,000,000     | 1,000,000     | -           | 0.0%       |
| Accounts receivable - related parties | 697,714       | 736,315       | (38,601)    | (5.2%)     |
| Interest receivable                   | 12,289        | 10,074        | 2,215       | 22.0%      |
| Total current assets                  | 3,906,248     | 3,544,181     | 362,067     | 10.2%      |
| <b>Noncurrent assets</b>              |               |               |             |            |
| Nondepreciable capital assets         | 3,645,257     | 1,114,834     | 2,530,423   | 227.0%     |
| Depreciable capital assets, net       | 68,358,423    | 70,801,911    | (2,443,488) | (3.5%)     |
| Total noncurrent assets               | 72,003,680    | 71,916,745    | 86,935      | 0.1%       |
| Total assets                          | 75,909,928    | 75,460,926    | 449,002     | 0.6%       |
| <b>Liabilities</b>                    |               |               |             |            |
| <b>Current liabilities</b>            |               |               |             |            |
| Accounts payable                      | 45,075        | -             | 45,075      | 100%       |
| Total liabilities                     | 45,075        | -             | 45,075      | 100%       |
| <b>Net Position</b>                   |               |               |             |            |
| Net investment in capital assets      | 71,958,605    | 71,916,745    | 41,860      | 0.1%       |
| Unrestricted                          | 3,906,248     | 3,544,181     | 362,067     | 10.2%      |
| Total net position                    | \$ 75,864,853 | \$ 75,460,926 | \$ 403,927  | 0.5%       |

**REGIONAL METROPOLITAN UTILITY AUTHORITY**  
**Statements of Cash Flows**  
**For the Nine Months Ended March 31, 2025 and 2024**

|                                                                                           | 2025                | 2024                | Change              |            |
|-------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|------------|
|                                                                                           |                     |                     | Dollar              | Percentage |
| <b>Cash flows from operating activities</b>                                               |                     |                     |                     |            |
| Cash receipts from customers                                                              | \$ 2,835,917        | \$ 2,472,481        | \$ 363,436          | 14.7%      |
| Cash payments to suppliers of goods and services                                          | (3,006,429)         | (2,534,559)         | (471,870)           | (18.6%)    |
| Net cash provided by operating activities                                                 | (170,512)           | (62,078)            | (108,434)           | (174.7%)   |
| <b>Cash flows from capital and related financing activities</b>                           |                     |                     |                     |            |
| Acquisition and construction of capital assets                                            | (2,020,436)         | (946,710)           | (1,073,726)         | (113.4%)   |
| Capital contributions - City of Broken Arrow                                              | 1,400,408           | 259,370             | 1,141,038           | 439.9%     |
| Capital contributions - City of Tulsa                                                     | 1,001,967           | 466,882             | 535,085             | 114.6%     |
| Net cash provided/used by capital and related financing activities                        | 381,939             | (220,458)           | 602,397             | 273.2%     |
| <b>Cash flows from investing activities</b>                                               |                     |                     |                     |            |
| Investment (loss)/gain                                                                    | 38,934              | 34,346              | 4,588               | 13.4%      |
| Net cash provided by investing activities                                                 | 38,934              | 34,346              | 4,588               | 13.4%      |
| Net increase / (decrease) in cash and cash equivalents                                    | 250,361             | (248,190)           | 498,551             | 200.9%     |
| Cash and cash equivalents, beginning of period                                            | 2,945,884           | 3,045,982           | (100,098)           | (3.3%)     |
| Cash and cash equivalents, end of period                                                  | <u>\$ 3,196,245</u> | <u>\$ 2,797,792</u> | <u>\$ 398,453</u>   | 14.2%      |
| <b>Reconciliation of cash and cash equivalents to the Statements of Net Position</b>      |                     |                     |                     |            |
| Cash and cash equivalents                                                                 | \$ 2,196,245        | \$ 1,797,792        | \$ 398,453          | 22.2%      |
| Designated cash and cash equivalents                                                      | 1,000,000           | 1,000,000           | -                   | 0.0%       |
|                                                                                           | <u>\$ 3,196,245</u> | <u>\$ 2,797,792</u> | <u>\$ 398,453</u>   | 14.2%      |
| <b>Reconciliation of operating loss to net cash provided by operating activities</b>      |                     |                     |                     |            |
| Operating loss                                                                            | \$ (1,684,778)      | \$ (1,699,224)      | \$ 14,446           | 0.9%       |
| Adjustments to reconcile net operating loss to net cash provided by operating activities: |                     |                     |                     |            |
| Depreciation                                                                              | 1,833,706           | 1,821,534           | 12,172              | 0.7%       |
| Change in receivables                                                                     | (289,241)           | (93,580)            | (195,661)           | (209.1%)   |
| Change in Payables                                                                        | (30,199)            | (90,808)            | 60,609              | 66.7%      |
| Net cash provided by operating activities                                                 | <u>\$ (170,512)</u> | <u>\$ (62,078)</u>  | <u>\$ (108,434)</u> | (174.7%)   |

**SECTION FOUR:**

**MISC. ITEMS**

# Haikey Creek Lift Station, Phase 4

## Regional Metropolitan Utility Authority

RMUA: ES 2022-04, Contract 135541

Page Burks, Black & Veatch  
September 10, 2025

# Agenda

- Project Goals and Approach
- Alternatives Considered and Life Cycle Costs
- Non-Economic Evaluation
- Cost Benefit Evaluation
- Next Steps



# Project Goals and Approach

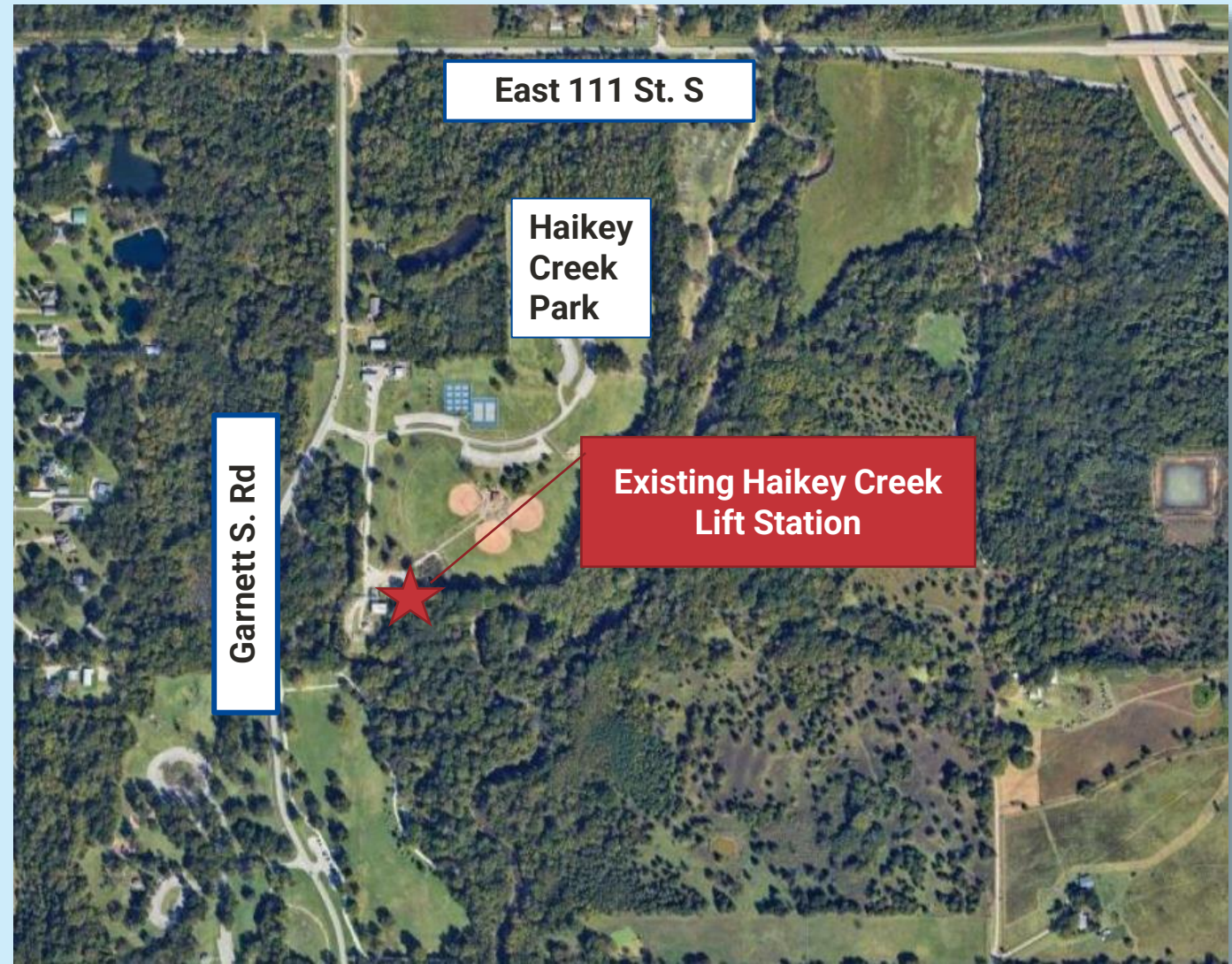
# HCLS Location Map

*(Zoomed Out)*



# HCLS Location Map

*(Zoomed In)*

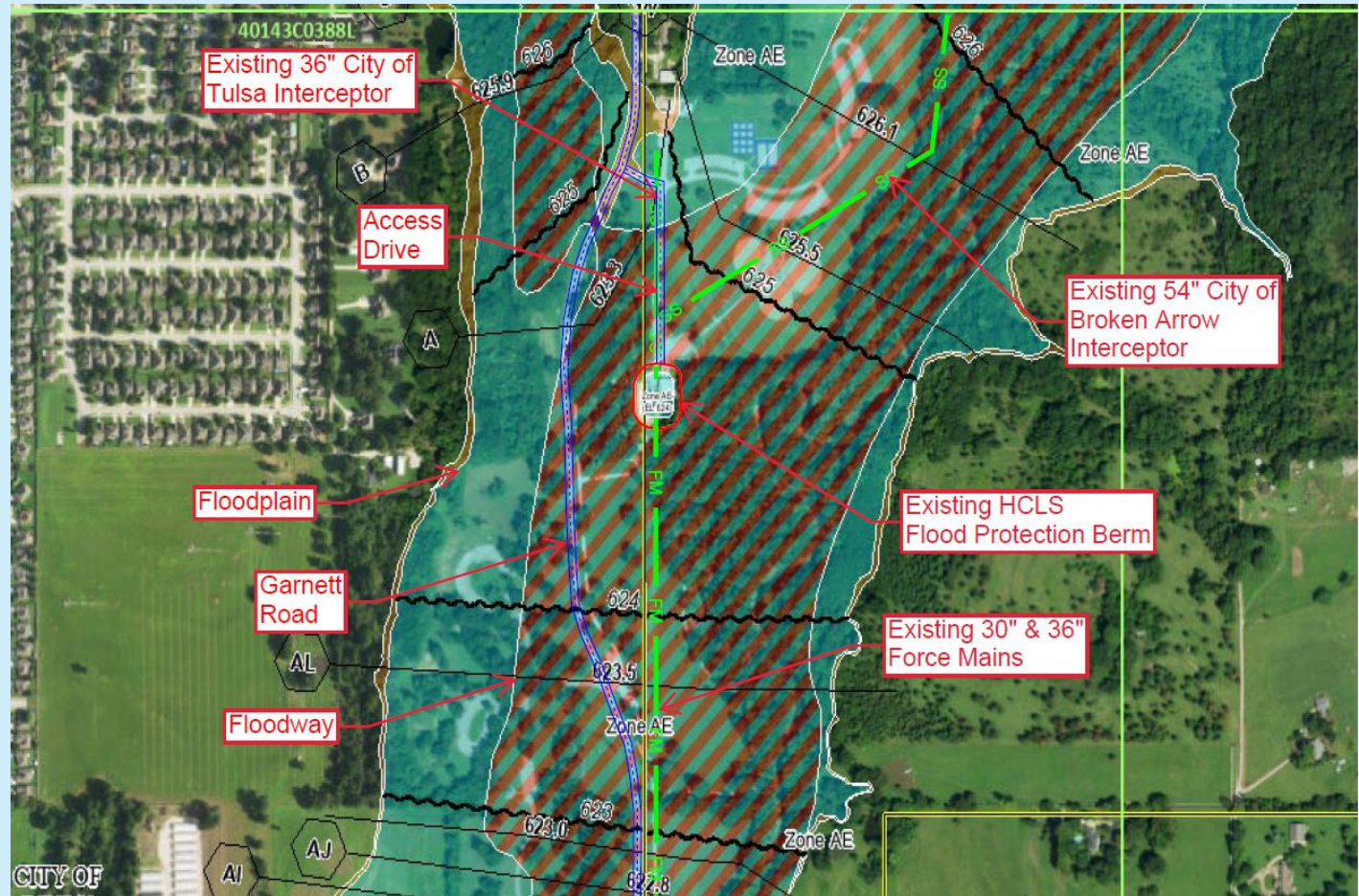


# Project Goals

- Reduce overflows in the park
- Allow new development to occur in existing basin
- Determine requirements to expand or replace HCLS to build out capacity of 42+ mgd firm

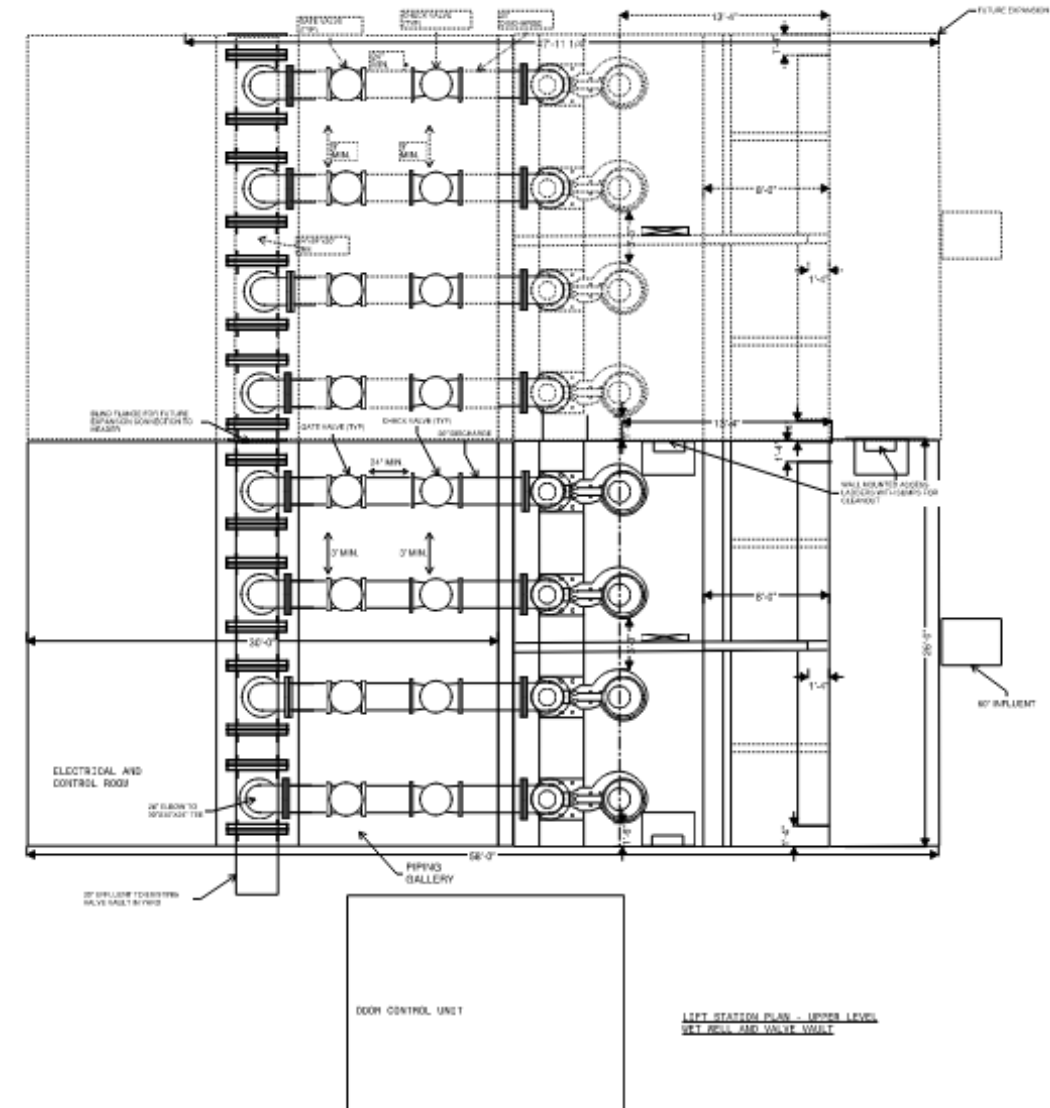


# HCLS Floodway Location and Protection



# Project Approach

- Confirm capacity and condition of existing HCLS via inspection, modeling and existing data review → 22 mgd firm
- Develop alternatives to reach 42+ mgd firm
- Evaluate life cycle costs and non-economic benefits of alternatives
- Screen potential sites for alternatives not located on the existing site



# Alternatives Considered and Life Cycle Costs

# Lift Station (LS) Alternatives Considered

**LS 1**

## Two Phases – Existing Site

P4: New 20 mgd Supplemental LS, Wet-weather use of Existing LS

P5: New 22 mgd LS on Existing Site

**LS 2**

## One Phase – New Site



P4: New 42 mgd LS

P5: Not Required

**LS 3**

## Two Phases – Existing & New Site



P4: New 20 mgd Supplemental LS, Wet-weather use of Existing LS

P5: New 22 mgd LS at New Site, Abandon Current Site



*Indicates alternative that allows current HCLS site to be abandoned in P5 or earlier*

# Screening: Lift Station (LS) Alternatives

LS 1

## Two Phases – Existing Site

P4: New 20 mgd Supplemental LS, Wet-weather use of Existing LS  
P5: Replace Existing LS Capacity with New LS

LS 2

## One Phase – New Site ★

P4: New 42 mgd LS  
P5: Not Required

LS 3

## Two Phases – Existing & New Site ★

P4: New 20 mgd Supplemental LS, Wet-weather use of Existing LS  
P5: New 42 LS at New Site, Abandon Current Site

**Screened out:**

- Cost-Prohibitive
- Strands Infrastructure



*Indicates alternative that allows current HCLS site to be abandoned in P5*

# Flow Equalization Basin (FEB) Alternatives Considered

**FEB  
1**

## Two Phases – Existing & New Site



P4: Continue use of Existing HCLS, 9.4 MG FEB on New Site

P5: New 29 mgd LS on New Site, Abandon Current Site

**FEB  
2**

## Two Phases – Existing & New Site

P4: Continue use of Existing HCLS, 9.4 MG FEB on New Site

P5: New 29 mgd LS on Existing Site

**FEB  
3**

## Two Phases – Existing & New Site



P4: Continue use of Existing HCLS, 3 MG FEB on New Site

P5: New 29 mgd LS at New Site, Abandon Current Site

**FEB  
3A**

## Two Phases – Existing & New Site

P4: Continue use of Existing HCLS, 3 MG FEB on New Site

P5: New 29 mgd LS at Existing Site



*Indicates alternative that allows current HCLS site to be abandoned in P5 or earlier*

# Screening: Flow Equalization Basin (FEB) Alternatives

FEB  
1

## Two Phases – Existing & New Site ★

P4: Continue use of Existing LS, 9.4 MG FEB on New Site

P5: New 29 mgd LS on New Site, Abandon Current Site

FEB  
2

## Two Phases – Existing & New Site

P4: Continue use of Existing LS, 9.4 MG FEB on New Site

P5: New 29 mgd LS on Existing Site

FEB  
3

## Two Phases – Existing & New Site ★

P4: Continue use of Existing LS, 3 MG FEB on New Site

P5: New 29 mgd LS at New Site, Abandon Current Site

FEB  
3A

## Two Phases – Existing & New Site

P4: Continue use of Existing LS, 3 MG FEB on New Site

P5: New 29 mgd LS at Existing Site

### Screened out:

- Ground water monitoring indicates infeasible to permit with ODEQ based on groundwater elevation

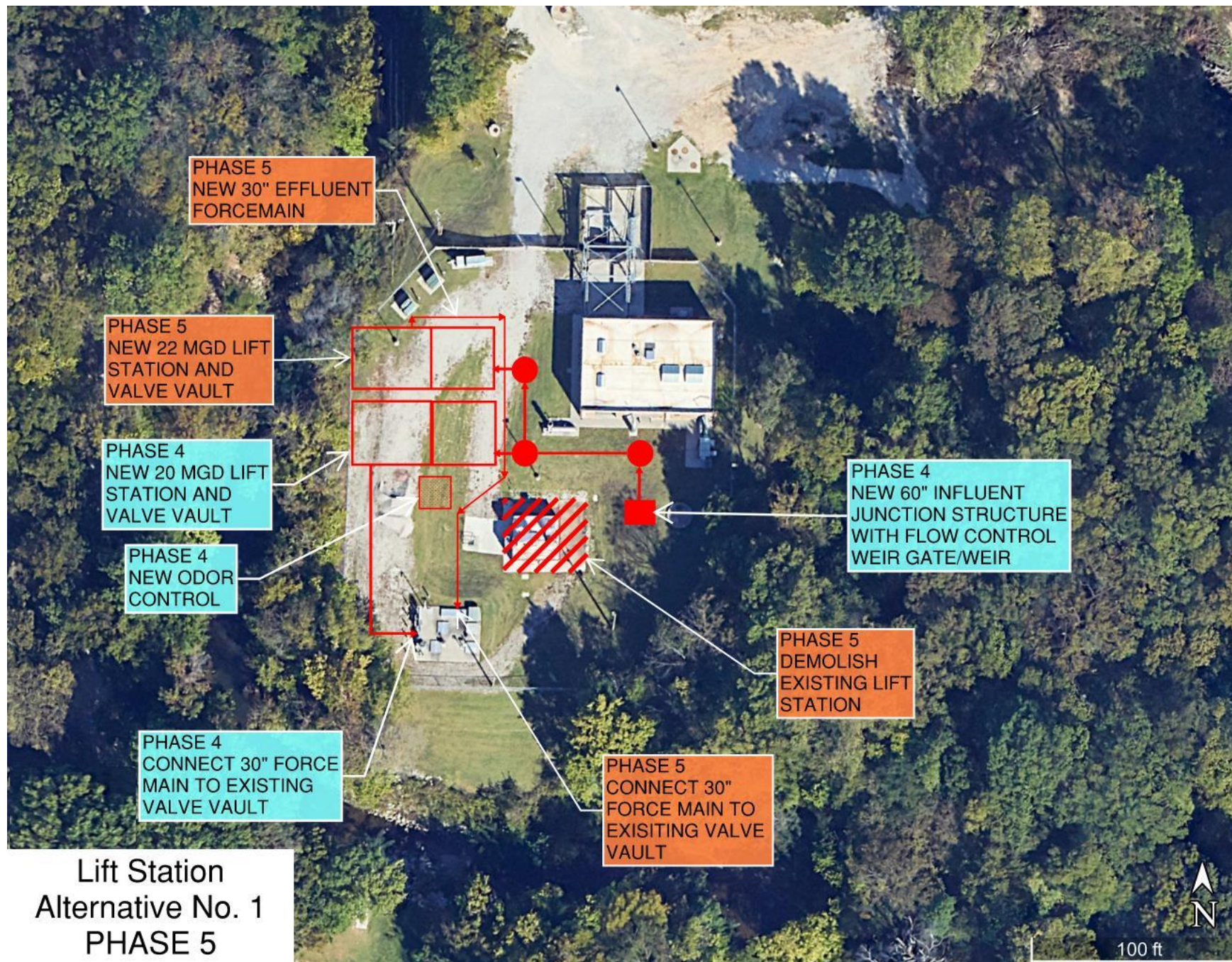


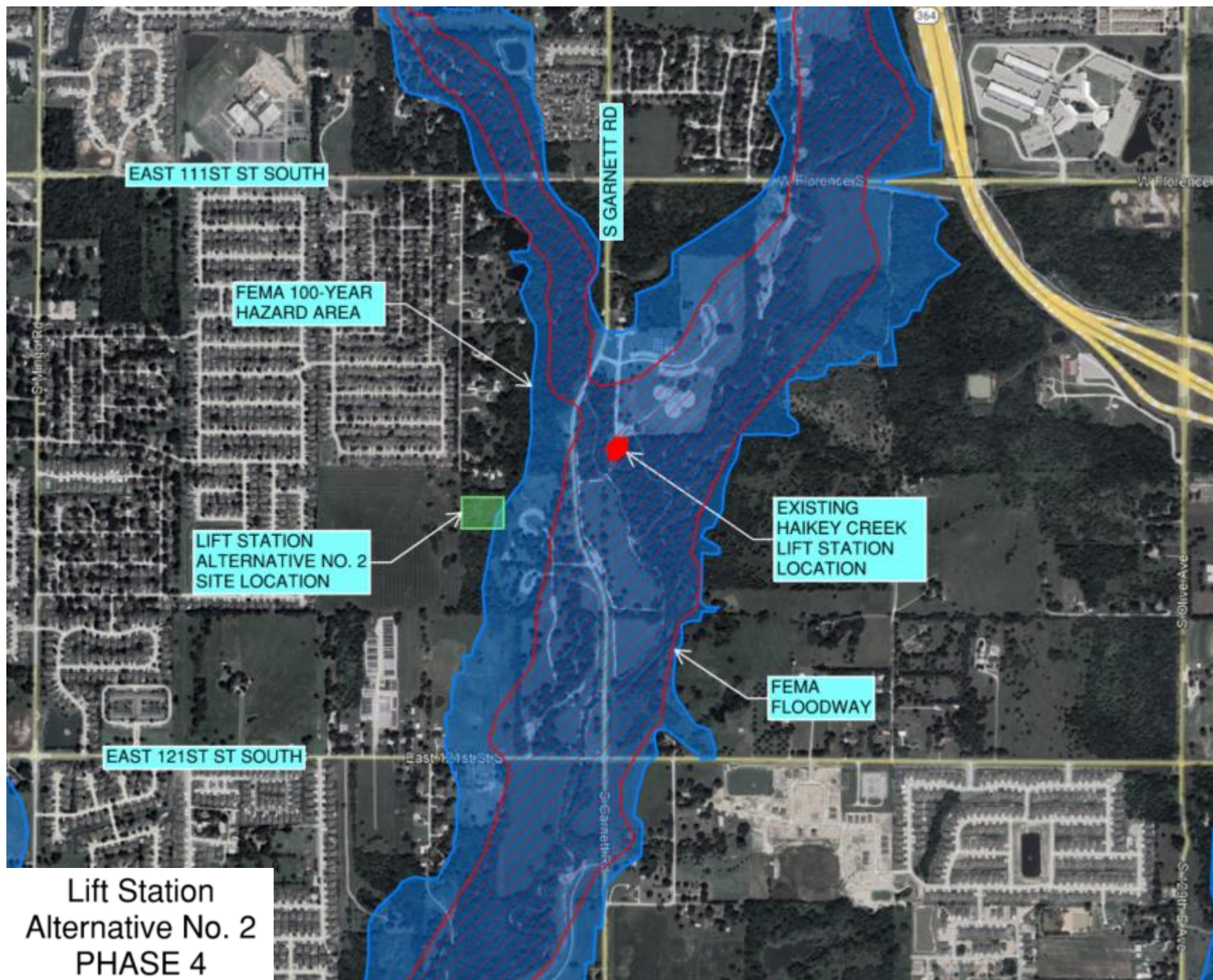
Groundwater well at potential FEB site



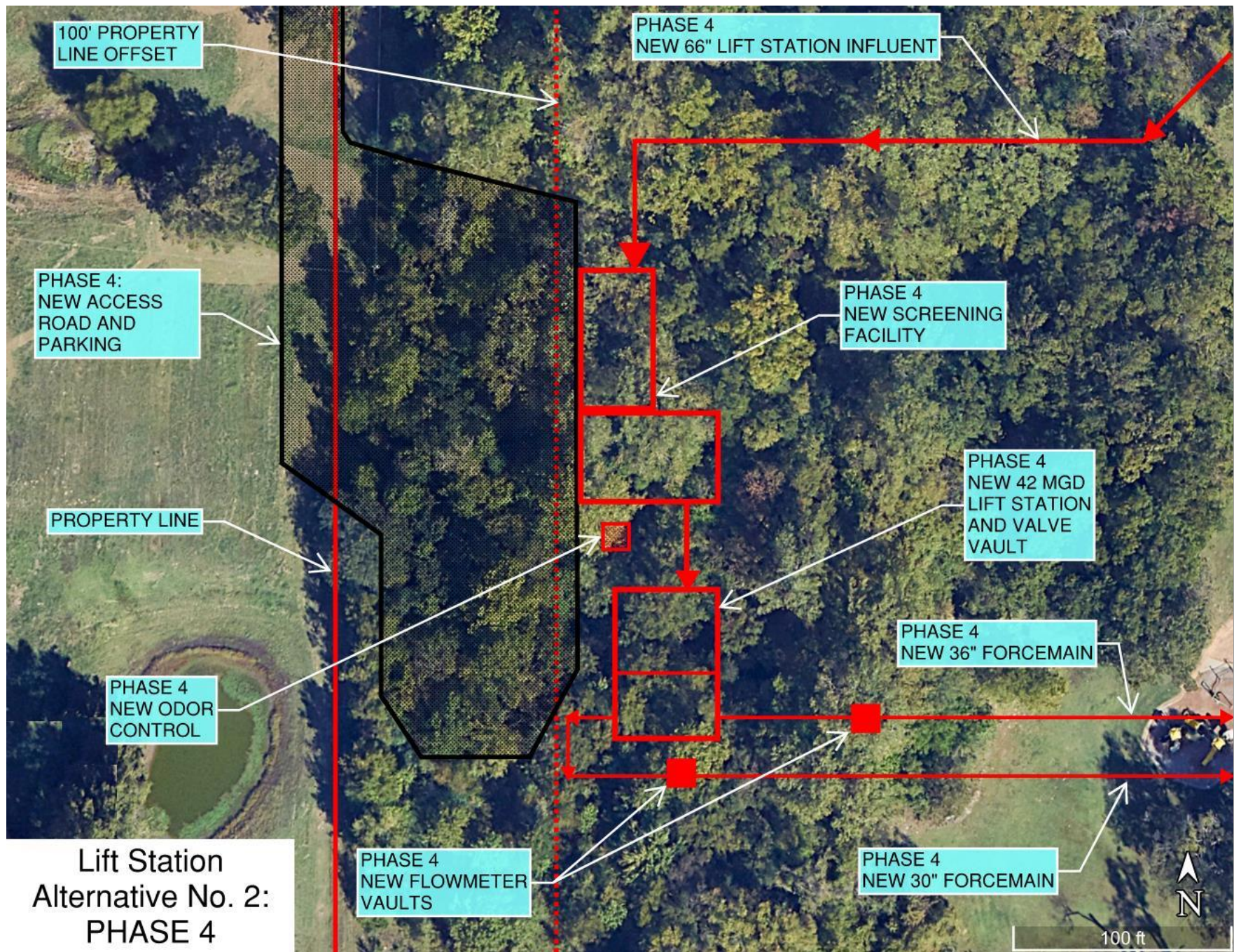
*Indicates alternative that allows current HCLS site to be abandoned in P5*

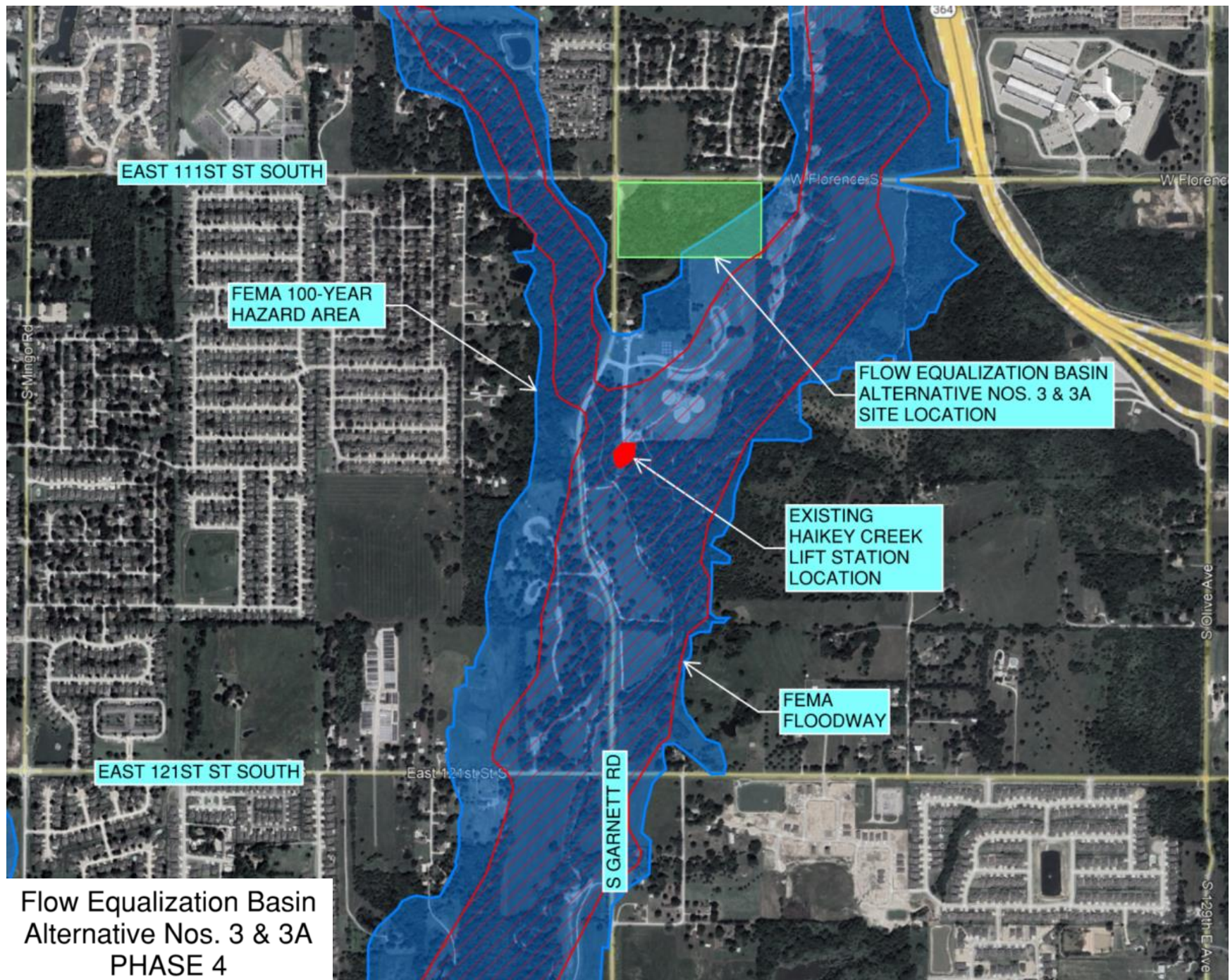






Lift Station  
Alternative No. 2  
PHASE 4

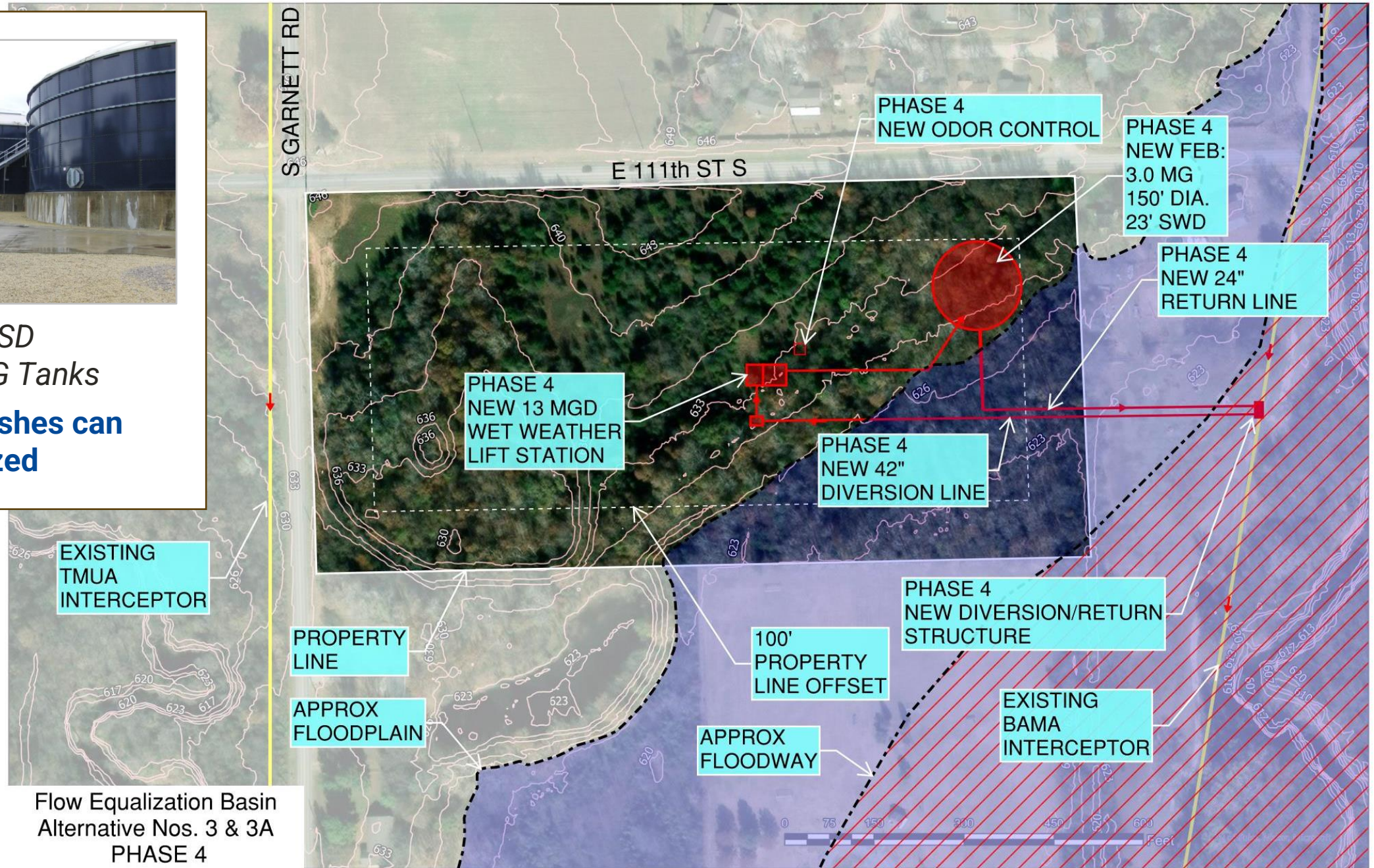




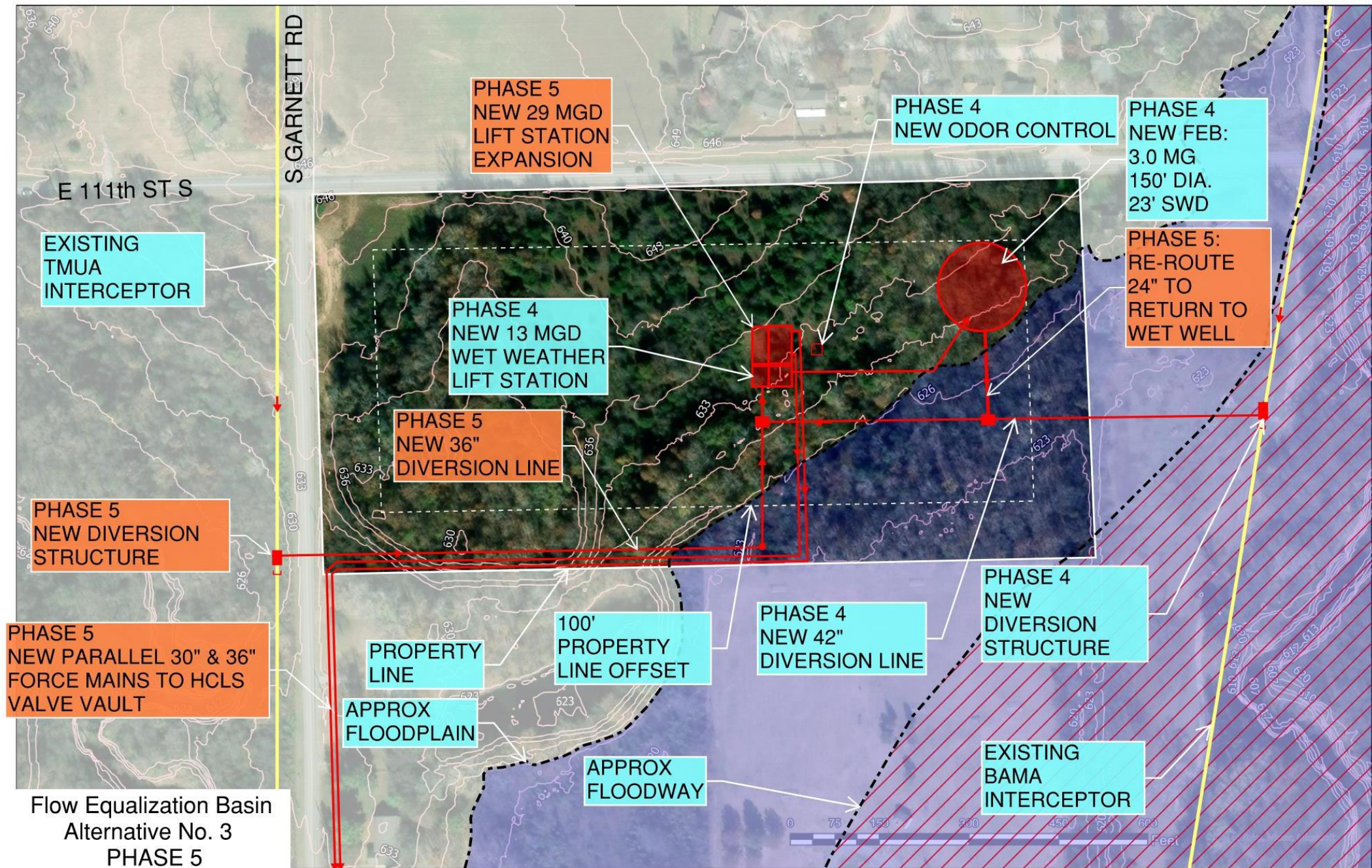
Flow Equalization Basin  
Alternative Nos. 3 & 3A  
PHASE 4



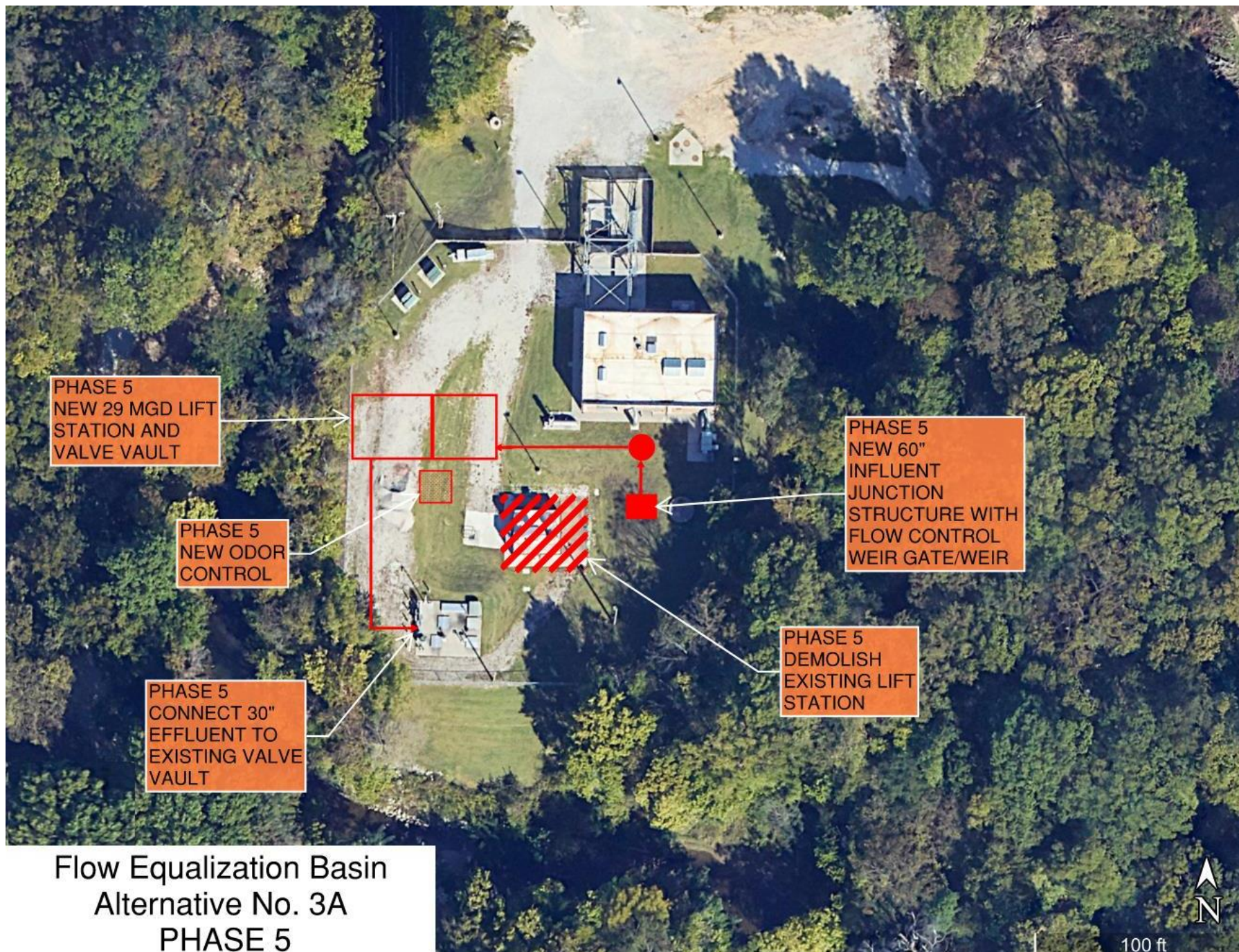
Cincinnati MSD  
Three 1.2 MG Tanks  
**Exterior Finishes can  
be Customized**



Flow Equalization Basin  
Alternative Nos. 3 & 3A  
**PHASE 4**



Flow Equalization Basin  
Alternative No. 3  
PHASE 5



# Summary of Alternatives

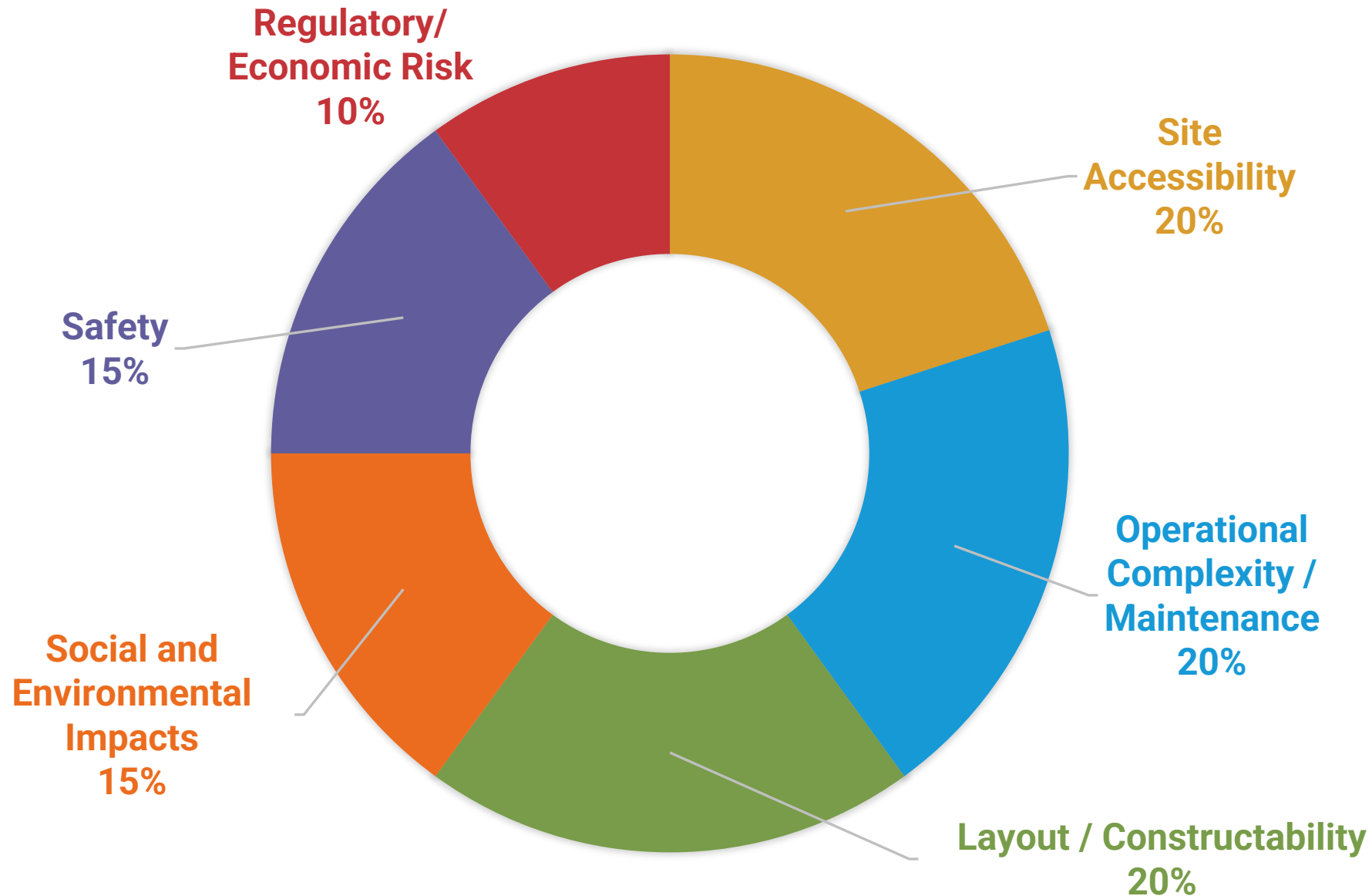
|                           | LS 1                                                                                                                        | LS 2 ★                                                                                        | FEB 3 ★                                                                                                         | FEB 3A                                                                                                          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                           | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New Supplemental LS @ Existing Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• New Full Capacity LS @ New Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New 3 MG FEB @ New Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New 3 MG FEB @ New Site</li> </ul> |
|                           | <u>P5</u> <ul style="list-style-type: none"> <li>• New HCLS @ Existing Site</li> </ul>                                      | <u>P5</u> <ul style="list-style-type: none"> <li>• Not required</li> </ul>                    | <u>P5</u> <ul style="list-style-type: none"> <li>• New HCLS @ New Site</li> </ul>                               | <u>P5 – Existing Site</u> <ul style="list-style-type: none"> <li>• New HCLS @ Existing Site</li> </ul>          |
| Existing HCLS (P4)        | 22 mgd                                                                                                                      | N/A                                                                                           | 29 mgd                                                                                                          | 29 mgd                                                                                                          |
| Supplemental Station (P4) | 20 mgd<br>(existing site)                                                                                                   | 42 mgd<br>(New site)                                                                          | 13 mgd<br>(Pump into FEB)                                                                                       | 13 mgd<br>(Pump into FEB)                                                                                       |
| FEB peak shaved (P4)      | N/A                                                                                                                         | N/A                                                                                           | 13 mgd                                                                                                          | 13 mgd                                                                                                          |
| HCLS station (P5)         | 22 mgd<br>(existing site)                                                                                                   | N/A                                                                                           | 29 mgd<br>(new site)                                                                                            | 29 mgd<br>(existing site)                                                                                       |
| <b>TOTAL – Phase 4</b>    | <b>42 mgd</b>                                                                                                               | <b>42 mgd</b>                                                                                 | <b>42 mgd</b>                                                                                                   | <b>42 mgd</b>                                                                                                   |
| <b>TOTAL – Phase 5</b>    | <b>42 mgd</b>                                                                                                               | <b>42 mgd</b>                                                                                 | <b>42 mgd</b>                                                                                                   | <b>42 mgd</b>                                                                                                   |

# Life Cycle Cost Analysis

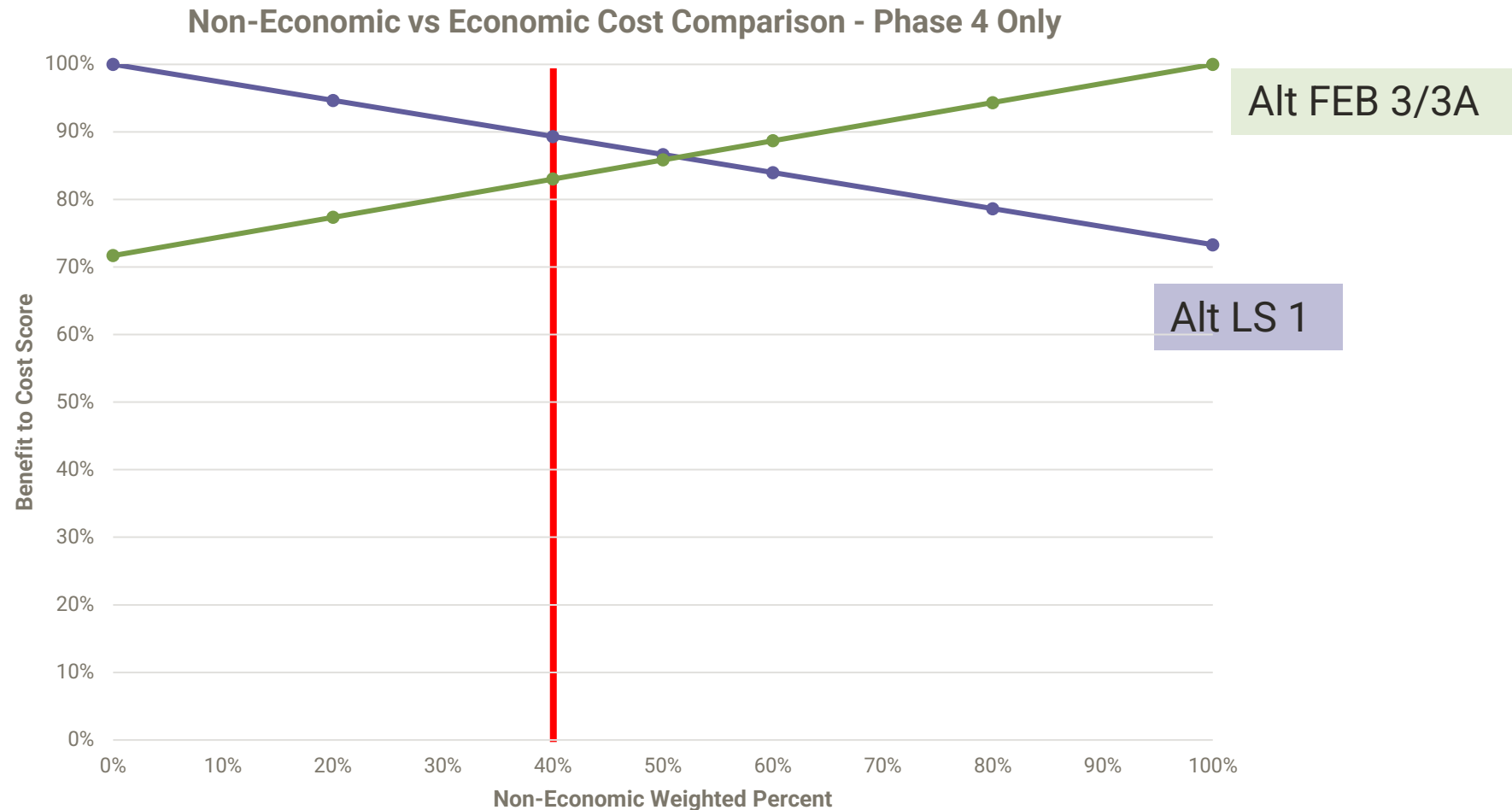
|                   | LS 1                                                                                                                        | LS 2 ★                                                                                        | FEB 3 ★                                                                                                         | FEB 3A                                                                                                          |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                   | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New Supplemental LS @ Existing Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• New Full Capacity LS @ New Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New 3 MG FEB @ New Site</li> </ul> | <u>P4</u> <ul style="list-style-type: none"> <li>• Use Exist HCLS</li> <li>• New 3 MG FEB @ New Site</li> </ul> |
|                   | <u>P5</u> <ul style="list-style-type: none"> <li>• New HCLS @ Existing Site</li> </ul>                                      | <u>P5</u> <ul style="list-style-type: none"> <li>• Not required</li> </ul>                    | <u>P5</u> <ul style="list-style-type: none"> <li>• New HCLS @ New Site</li> </ul>                               | <u>P5 – Existing Site</u> <ul style="list-style-type: none"> <li>• New HCLS @ Existing Site</li> </ul>          |
| Phase 4 (2025 \$) | 19,150,000                                                                                                                  | 46,920,000                                                                                    | 26,710,000                                                                                                      | 26,710,000                                                                                                      |
| Phase 5 (2035 \$) | 14,000,000                                                                                                                  | –                                                                                             | 49,400,000                                                                                                      | 18,460,000                                                                                                      |
| Capital Total     | 33,150,000                                                                                                                  | 46,920,000                                                                                    | 76,110,000                                                                                                      | 45,170,000                                                                                                      |
| 20-Yr O&M         | 22,310,000                                                                                                                  | 20,850,000                                                                                    | 20,500,000                                                                                                      | 20,500,000                                                                                                      |
| 20-Yr PW          | \$55,460,000                                                                                                                | \$67,770,000                                                                                  | \$96,610,000                                                                                                    | \$65,670,000                                                                                                    |

# Cost Benefit Evaluation & Evaluation Recommendation

# Non-Economic Criteria Weightings



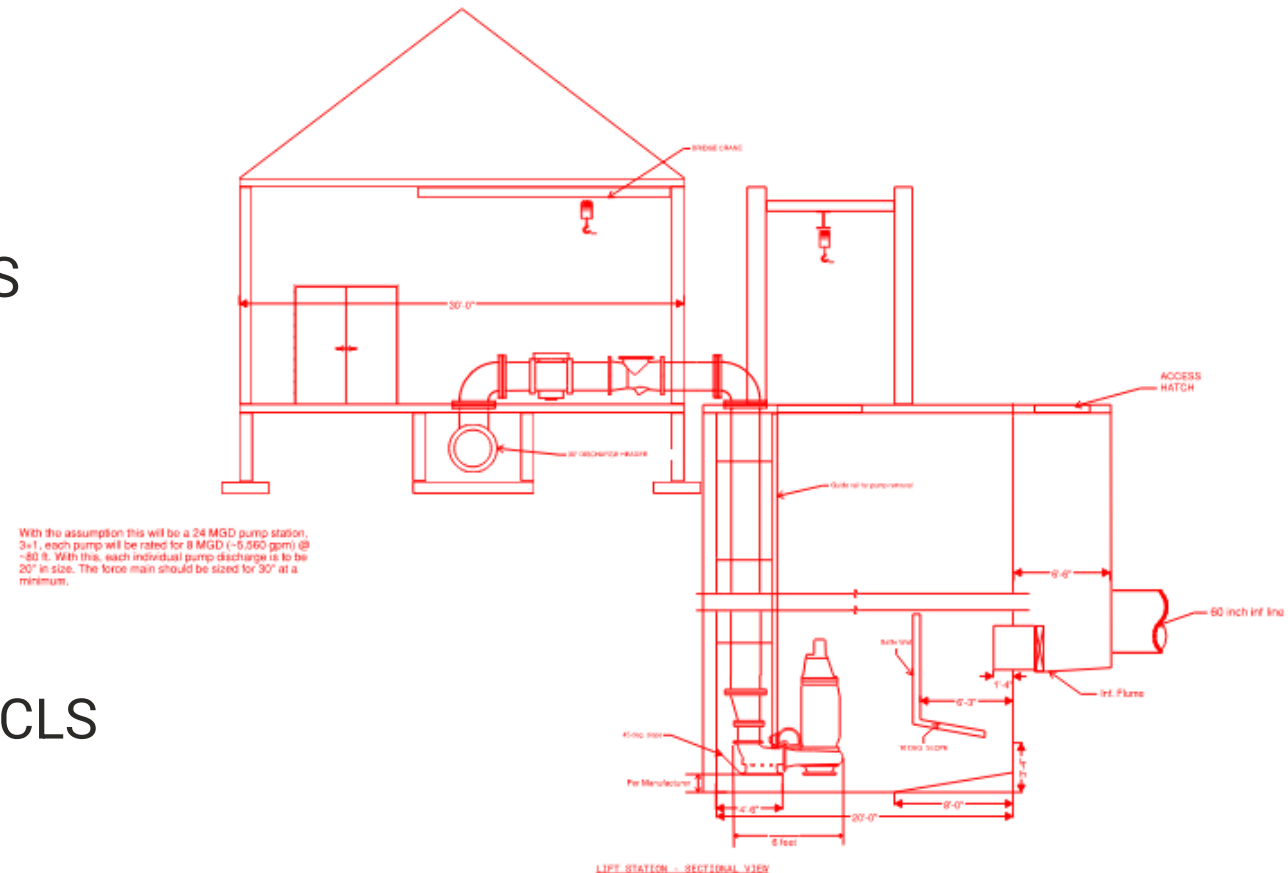
# Weighting of Non-Economic Factors Drive Benefit Cost Score



***At <40% non-economic / >60% economic, phased build (LS 1) on the existing site is favored by the analysis over the upstream FEB (FEB 3/3A)***

# Recommendation

- Move forward with Alternative LS 1 on the existing HCLS site
  - Consensus by both COT and BAMA staff – most cost-effective solution
    - Concerns of flood risk remain with expansion of the facility within the floodway
- Phase 4 Scope (existing site):
  - Site access road improvements
  - New pumps/motors for existing HCLS
  - Construct new supplemental LS
  - Land acquisition of proposed FEB property for future flexibility
- Phase 5 Scope (existing site):
  - New replacement LS when existing HCLS past its useful life



# Next Steps

# Next Steps

- Finalize TM-3 – Lift Station Expansion Alternatives
- Update Business Case
  - Phase 4 submitted in 2024, updated August 2025
  - Develop BCE for Phase 5
- Coordinate CIP for TMUA/BAMA funding
- Initiate Design



# Thank You!

**SECTION FIVE:**  
**NEW BUSINESS**



**CITY OF JENKS**  
211 NORTH ELM STREET • P O BOX 2007  
JENKS, OKLAHOMA 74037-2007  
PHONE (918) 299-5883 • FAX (918) 299-4489

## **MEMORANDUM**

To: **Christopher Shrout, City Manager**

From **F. Robert Carr, Jr., P.E., Assistant City Manager**

Date. June 5, 2025

Re. **Appointment of Anthony Wilkins to Regional Metropolitan Utility Authority**

Pursuant to the Trust Indenture for the Regional Metropolitan Utility Authority (RMUA), Jenks may have two (2) Trustees. At this time, I serve as one Trustee and the second position is filled by Barry Parsons as Public Works Director. It is recommended that Anthony Wilkins (City Engineer) be appointed to serve as one of the Trustees for the City of Jenks to replace my position.

*Approved*  
*CS*  
*6.5.25*

*F. Robert Carr, Jr.*