



WEST VALLEY WATER DISTRICT
855 W. Base Line Road, Rialto, CA 92376
PH: (909) 875-1804 FAX: (909) 875-1849

ENGINEERING, OPERATIONS AND PLANNING COMMITTEE MEETING
AGENDA

WEDNESDAY, NOVEMBER 9, 2022 - 6:00 PM

NOTICE IS HEREBY GIVEN that West Valley Water District has called a meeting of the Engineering, Operations and Planning Committee to meet in the Administrative Conference Room, 855 W. Base Line Road, Rialto, CA 92376.

On March 4, 2020, Governor Newsom declared a State of Emergency resulting from the threat of COVID-19. On September 16, 2021, Governor Newsom signed Assembly Bill No. 361 into law. Assembly Bill No. 361 amends Government Code section 54953(e) by adding provisions for remote teleconferencing participation in meetings by members of a legislative body, without the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions. The West Valley Water District adopted a resolution determining, by majority vote, that, as a result of the declared State of Emergency, the District is adopting the State protocol which allows meetings in person and/or via teleconference. Accordingly, it has been determined that all Board and Workshop meetings of the West Valley Water District will be held pursuant to Assembly Bill No. 361, the Brown Act and will be conducted via teleconference and in person. Members of the public may listen and provide public comment via telephone by calling the following number and access code: Dial: (888) 475-4499, Access Code: 840-293-7790 or you may join the meeting using Zoom by clicking this link: <https://us02web.zoom.us/j/8402937790>. Public comment may also be submitted via email to administration@wvwd.org. If you require additional assistance, please contact administration@wvwd.org.

BOARD OF DIRECTORS

Director, Greg Young, (Chair)
Director, Angela Garcia

I. CALL TO ORDER

II. PUBLIC PARTICIPATION

The public may address the Board on matters within its jurisdiction. Speakers are requested to keep their comments to no more than three (3) minutes. However, the Board of Directors is prohibited by State Law to take action on items not included on the printed agenda.

III. DISCUSSION ITEMS

1. Updates to Engineering, Operations and Planning Committee
2. Update on the Rockets, Fireworks and Flares Superfund Site.
3. Clarifier Repairs at the Oliver P. Roemer Water Treatment Plant.
4. Reduced Pressure Backflow Preventers.
5. Water System Infrastructure Installation and Conveyance Agreement, Out-of-Agency Service Agreement, Plan for Service and Resolution 2022-29 for GATX Corporation.
6. 2022 Water Supply Reliability Analysis.

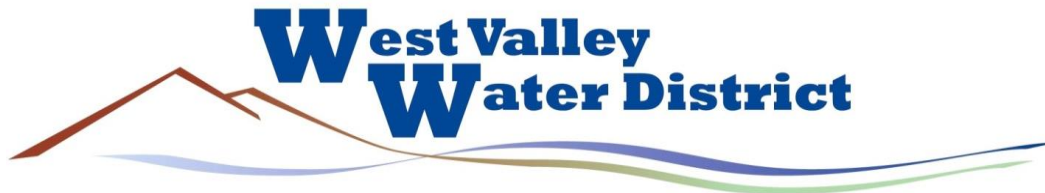
IV. ADJOURN

DECLARATION OF POSTING:

I declare under penalty of perjury, that I am employed by the West Valley Water District and posted the foregoing Engineering, Operations and Planning Committee Agenda at the District Offices on November 2, 2022.



Nancy Albitre, Acting Board Secretary



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: November 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Van Jew, Acting General Manager
SUBJECT: UPDATE ON THE ROCKETS, FIREWORKS AND FLARES SUPERFUND SITE

BACKGROUND:

On September 2, 2022, the US EPA issued a Record of Decision (ROD) establishing the final remedy for mid-basin operable unit of the Rockets, Firework and Flares Superfund site. The groundwater contamination targeted for cleanup by the ROD is approximately 4 miles long, up to 1 mile wide, and ranges from about 250 to 800 feet below ground within the Rialto-Colton Basin. EPA identified four cleanup options. The four options are labeled: Alternative 1, Alternative 2, Alternative 3, and a “no-action” option which EPA established as a baseline for comparison. The no-action option does not include active cleanup or monitoring.

- **Alternative 1:** Pump and Treat Contaminated Groundwater and Use Treated Water as drinking Water Supply.
- **Alternative 2:** Pump and Treat Contaminated Groundwater and Recharge or Reinject the Treated Water.
- **Alternative 3:** Pump and Treat Contaminated Groundwater and Use the Treated Water as Drinking Water Supply or for Recharge/Reinjection.

The overall protection of human health and the environment criterion addresses whether or not an alternative provides adequate protection of human health and the environment and describes how risks posed through each exposure pathway are eliminated, reduced, or controlled through treatment, engineering controls, and/or institutional controls. In recognition of the remedy to be reflected in the ROD, Goodrich and the District have been engaged in discussions with regard to implement certain additional activities to the existing Site Remediation Agreement. These additional activities include, but are not limited to installation and use of a new extraction well, installation and use of new treated and untreated water conveyance lines, use of the existing ion exchange treatment units located at WVWD Headquarters and adjacent to Rialto High School, use of the Randall and Mill Basins in addition to or in lieu of Cactus Basin 2 for spreading of treated water, and use of any ancillary systems as may be required to comply with ROD issued by the U.S. EPA. Goodrich shall have the remedial design workplan submitted to the EPA by December 5, 2022.

FISCAL IMPACT:

There is no fiscal impact to the District.

STAFF RECOMMENDATION:

This item is for information only.

Respectfully Submitted,

Van Jew

Van Jew, Acting General Manager

VJ:jc



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: November 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Van Jew, Acting General Manager
SUBJECT: CLARIFIER REPAIRS AT THE OLIVER P. ROEMER WATER TREATMENT PLANT

BACKGROUND:

The Oliver P. Roemer Water Treatment (Roemer) Plant has six identical package treatment units called Trident filters. Each Trident filter has a design flow of 2.4 million gallons per day and consists of an upflow contact-clarifier followed by a multi-media gravity filter. The upflow contact-clarifier is a rectangular, compartmentalized adsorption clarifier packaged treatment unit. The adsorption clarification process has been rated as equivalent to the flocculation-sedimentation process. Water flows up through about four feet of proprietary plastic beads, producing flocculation, settling, and removal of some the suspended solids. From there, the water overflows into the multi-media filters.

Torn gasket strips, media loss, and various media migration issues in one of the clarifiers have been reported recently. District staff has taken the clarifier out of service and has identified a need to address the problems by replacing approximately 100 feet of gasket strips between the media retainer screen and under the media retainer screen in clarifier no. 4.

DISCUSSION:

District staff reached out to 3 firms to obtain quotes. Advanced Industrial Services declined to quote due to workload issues. WesTech, the manufacturer of Trident Filters, submitted a quote for parts but declined to quote for labor costs. District staff lacks the proper training to perform inspections and repairs, and lacks the proper equipment to remove three heavy I-beams inside the clarifier. ERS Industrial Services, Inc. submitted a quote in the amount of \$10,840.00 for a turnkey service to replace gasket strips and torque down on the clarifier afterward. Attached as **Exhibit A** is the quote. Staff is recommending a purchase order be issued to ERS Industrial Services, Inc. in the amount of \$11,500.00 to account for a slight contingency for unforeseen circumstances.

FISCAL IMPACT:

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from GL 100-5390-540-5614 titled "Repair & Maintenance/Structures/Facility".

STAFF RECOMMENDATION:

Forward a recommendation to the Board of Directors to issue a purchase order to ERS Industrial Services, Inc. in the amount not to exceed \$11,500.00 for clarifier repairs.

Respectfully Submitted,

Van Jew

Van Jew, Acting General Manager

VJ:jc

ATTACHMENT(S):

1. Exhibit A - Quote

EXHIBIT A



September 14, 2022

Sergio Granda
West Valley Water District
3010 N Cedar
Rialto, CA. 92377

QUOTE #: WWV091422-2Q
PHONE #: (909) 874-1323
EMAIL ADDRESS: sgranda@wvwd.org

Dear Sergio:

ERS is pleased to submit its proposal for our TurnKey Service replace gasket on (1) clarifier section of (1) trident unit located in Rialto Ca.

Scope of Supply:

- Remove screens, replace gasket, reinstall screens and torque down on 1 trident filter unit

Clarifications:

- *Quote is to repair the gaskets only; any repairs or replacement of the screens or frames will be on a separate Quote.*

Price does not include bonding

Price does not include any valves, instruments or controls

ERS will require a media sample for Disposal Testing prior to scheduling the project.

ERS will also repair or replace existing underdrains as needed, on a time and materials basis.

Disposal testing and transport to be executed in compliance with RCRA Subtitles C & D

Standard Provisions:

1. Qualified manpower:
 - a. Onsite Supervisor/Environmental Technician/Hole Watch
 - b. Certifications in Forklift/Reach Lift, Crane Operator, Confined Space & Rescue, and First Aid/CPR/AED
2. Equipment and PPE:
 - a. High-power industrial vacuum system
 - b. Ventilation fan for air circulation
 - c. Four gas monitors for pre-entry and continuous LEL testing
 - d. Air-purifying respirators (supplied air respirators available if required)
3. Safety Regulations:
 - a. Confined Space:
 - i. Tripod/winch for emergency evacuation
 - ii. Fall arrest harnesses with safety lanyards for all men

Class A, C33 CSLB License #724233

Registered DIR Public Works Contractor #1000003275

2120 WARM SPRINGS COURT FREMONT, CALIFORNIA 94539 | P: 510.770.0202 | E: SALES@ERSFILTER.COM



- iii. Permit-required confined space entry permits as applicable
 - iv. Daily monitoring log
 - b. 2-Way radios for communication with in-tank personnel
 - c. Cellular phone as an emergency response tool
4. New media as follows:
- None

PRICING: \$10,840.00

Quote Valid for 30 days

Our time and materials work is billed at \$246.00 per man-hour, straight time, plus materials with a 25% margin. Price includes all applicable sales tax.

Please feel free to contact me should you need further information or any clarification. My contact information is: phone – cell (510) 552-3285; office (510) 770-0202; email – nradonich@ersfilter.com

Sincerely,

Nik Radonich
Sales/Engineering Manager



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: November 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Van Jew, Acting General Manager
SUBJECT: REDUCED PRESSURE BACKFLOW PREVENTERS

BACKGROUND:

West Valley Water District (District) manages all hydrant meters for construction projects that use water from fire hydrants throughout the District. Each hydrant meter is required to have a Reduced Pressure (RP) backflow preventer for cross-connection control. There are a few different types of backflow preventers available, and the type of backflow preventer required by the District is based on the degree of hazard posed by the cross connection. The degree of hazard may be classified differently, but the two main degrees include high hazard and low hazard. RP backflow preventers are designed for use in both low-hazard and high-hazard scenarios.

A cross-connection is a point in a drinking water system where the potable water supply is connected to a non-portable source. Pollutants or contaminants can enter the drinking water system through uncontrolled cross connections when backflow occurs.

DISCUSSION:

District staff obtained three quotes to purchase eighteen RP backflow preventers. The quotes were as follows:

Grainger	USA Blue Book	SupplyHouse.com
\$22,828.49	\$25,774.99	\$27,108.97
Shipping Included	Add Shipping	Shipping Included

The lowest quote from Grainger for eighteen backflow preventers is \$21,186.54. With estimated tax, the total comes to \$22,828.49. Grainger does not charge for standard ground shipping. Attached as **Exhibit A** is the quote from Grainger. Staff is recommending a purchase order be issued to Grainger in the amount of \$23,500 to account for a slight contingency for unforeseen circumstances.

FISCAL IMPACT:

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from GL 100-5310-540-5602 titled "Repair & Maintenance/Structures/Facility."

STAFF RECOMMENDATION:

Forward a recommendation to the Board of Directors to issue a purchase order to Grainger in the amount not-to-exceed \$23,500 for eighteen backflow preventers.

Respectfully Submitted,

Van Jew

Van Jew, Acting General Manager

VJ:jc

ATTACHMENT(S):

1. Exhibit A - Grainger Price Quote

EXHIBIT A



Download

Checkout Feedback



Purchase Order Number

Submit Order

PO Number Optional

Order Summary

You are eligible for FREE Standard Ground shipping!

Subtotal	\$21,186.54
Estimated Tax	\$1,641.95
Estimated Standard Shipping	FREE
Estimated Total	\$22,828.49

Availability, shipping, tax & promotions are not final until you complete your order.

My Products

[Show Reference Information](#)



ZURN WILKINS
Reduced Pressure Zone Backflow Preventer:
Wilkins 975XL2, 2 in Size, FNPT, Bronze

AVAILABILITY

4 expected to arrive **Tue. Nov 01**. Balance expected to arrive by end of Nov, 2022.

Qty

[Update](#)
[Remove](#)

Item # **45K856**

Price \$1,177.03 / each

TOTAL
\$21,186.54

Delivery Method

- Shipping
- Pickup

Shipping Address

[Change](#)

WEST VALLEY WATER DISTRICT
 855 W Base Line Rd
 Rialto, California 92376-3103



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: November 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Van Jew, Acting General Manager
SUBJECT: WATER SYSTEM INFRASTRUCTURE INSTALLATION AND CONVEYANCE AGREEMENT, OUT-OF-AGENCY SERVICE AGREEMENT, PLAN FOR SERVICE AND RESOLUTION 2022-29 FOR GATX CORPORATION

BACKGROUND:

GATX Corporation, (“Applicant”) is the owner of land located at 20878 Slover Avenue in the City of Colton, south of Interstate 10, north of Slover Avenue, and east of Pepper Avenue. The existing property is outside of the West Valley Water District’s (“District”) service area and sphere of influence and is currently served by a private on-site well which provides domestic and fire services to the facility. The Applicant has notified the District that their well has exceeded the maximum contaminant level for perchlorate and is no longer able to provide potable water service to the site. In order to comply with San Bernardino County Department of Public Health’s Compliance Order No. 05_66_21R_022, the Applicant has requested to be annexed into the District’s service area and receive all new water connections for the facility. The Applicant will be required to extend a 12-inch ductile iron water main 160-ft north, from the intersection of Slover and Pepper Avenue, to the project frontage, in order to obtain water service from the District.

DISCUSSION:

The District and the Applicant wish to enter into a Water System Infrastructure Installation and Conveyance Agreement (“Agreement”) and supply water to the site. This Agreement outlines the responsibilities of the owner in constructing facilities, including insurance, indemnification and bonding requirements as well as conveyance and acceptance of the water system by the District. Attached as **Exhibit A** is a copy of the Agreement for this project.

In an effort to help expedite the establishment of water service to the site, the Applicant has requested that the District prepare an Out-of-Agency Service Agreement (“OAS”) for consideration by the Land Agency Formation Commission (“LAFCO”) for San Bernardino County, attached as **Exhibits B**. The OAS allows the District to provide water service on an emergency basis outside of its service area while the project formally undergoes the LAFCO annexation process per California Government Code Section 56133(c). As the site is located within the Sphere of Influence of the City of Colton (“City”), the Applicant and LAFCO have notified the City of its intention to obtain

emergency water service from the District and its desire to be annexed into the District's service area, since the City does not have any water facilities within the vicinity of the project.

A Plan for Service must be prepared and reviewed by LAFCO and Resolution adopted by the District in order to complete the annexation request as mandated by California Government Code Section 56653. Attached as **Exhibit C and D** are the Plan for Service for GATX and Resolution 2022-29.

FISCAL IMPACT:

The GATX site will be a newly established rate payer, required to pay for all new connection fees resulting from the project. Going forward the site will be metered for water consumption at the Out-of-District rates for domestic and fire service, until the property is completely annexed into the District at a future date.

STAFF RECOMMENDATION:

Forward a recommendation to the Board of Directors to:

1. Authorize entering into a Water System Infrastructure Installation and Conveyance Agreement and Out-of-Agency Service Agreement with GATX Corporation.
2. Approve the Plan for Service and Adopt Resolution 2022-29.
3. Authorize the Acting General Manager to execute all necessary documents.

Respectfully Submitted,

Van Jew

Van Jew, Acting General Manager

DG:ls

ATTACHMENT(S):

1. Exhibit A - Water System Infrastructure Installation Agreement
2. Exhibit B - Out of Agency Service Agreement
3. Exhibit C - Plan for Service
4. Exhibit D - Resolution 2022-29

EXHIBIT A

**WATER SYSTEM INFRASTRUCTURE
INSTALLATION AND CONVEYANCE AGREEMENT**

This water system infrastructure installation and conveyance agreement (“Agreement”) is entered into and effective as of **November 17, 2022**, by and between **GATX CORPORATION** (“Developer”), and **WEST VALLEY WATER DISTRICT** (“District”) who agree as follows:

The Developer is the owner of certain land described as **20878 Slover Ave, Colton, CA (GATX - APN 0254-192-02)** and as more fully (or further) shown on Exhibit "A". In developing this land, the Developer is desirous of obtaining a public water supply adequate for domestic uses and public fire protection purposes and is desirous of integrating that water system into the District’s public water system.

In order to provide facilities for a water supply to said land, it is the intention of the parties to this Agreement that the Developer shall furnish and install those water mains, fire hydrants, service laterals, water meters and valves, valve boxes, and all other appurtenant fittings and facilities required for a complete water system to serve the land shown on Exhibit "A".

In order to implement the foregoing and in consideration of the terms and conditions herein contained, the parties further agree as follows:

1. DESIGN

1.1. Developer shall design and construct, at the Developer's own expense, the water facilities and appurtenances required to serve the development in accordance with final District-approved plans known as **WATER IMPROVEMENT PLANS FOR GATX**, as approved and provided at a later date attached herein as Exhibit "B" and in accordance with District-approved design standards and specifications, and the terms and conditions of this Agreement.

1.2. The water system design shall be by a Professional Engineer registered in the State of California, and in accordance with the District's most recent Rules and Regulations (the “Rules and Regulations”), the District's Standards for Domestic Water Facilities and Standard Drawings herein included by reference, all applicable District ordinances and policies and all City, County of San Bernardino, State of California, and Federal laws, ordinances, rules, regulations, codes and other legal requirements of all government bodies having jurisdiction over said construction and property (all of the foregoing requirements in this paragraph being collectively referred to herein at times as “Legal Requirements”).

1.3. The District, at Developer's expense, shall review Developer's plans for the purpose of ensuring the adequacy of the design and conformance with the District's standards and specifications. The District reserves the right to add, delete, modify, change or amend any or all the plans and specifications.

1.4. In the event that the property to be developed includes multiple residential, condominiums, commercial or industrial uses, all site plans, grading plans, and any available plumbing plot plans shall be furnished to the District by Developer.

1.5. The District makes no warranties as to the correctness, accuracy or completeness of the plans and specifications. The accuracy, adequacy, suitability, and correctness of the water system design shall be the sole responsibility of the Developer.

2. CONSTRUCTION

2.1. Developer shall perform, or caused to be performed, all construction of the water system infrastructure installation pursuant to the approved water system plans, and all Legal Requirements.

2.2 The performance of this Agreement shall commence within ninety (90) calendar days from the date of this Agreement and shall be completed within one (1) year from the estimated construction start date.

2.3. Time is of the essence in this Agreement; provided that, in the event good cause is shown therefore, the general manager of the District ("General Manager") may extend the time for completion of the water system installation. Any such extension may be granted without the notice to Developer's surety, and extensions so granted shall not relieve the surety's liability on the bond to secure faithful performance of this Agreement. The General Manager shall be the sole and final judge as to whether or not good cause has been shown to entitle Developer to an extension.

2.4. The Developer and its contractor and subcontractors shall attend a preconstruction meeting with the District at the District's headquarters no less than five (5) working days prior to commencement of construction.

2.5. No work on water facilities shall commence prior to the completion of all required curbs and gutters.

3. LICENSES AND PERMITS

3.1. Developer, and all of Developer's contractors and subcontractors warrants it possesses, or shall obtain, and maintain during the term of this Agreement any and all licenses, permits, qualifications, insurance and approval of whatever nature that are legally required of Developer, its contractors, and all subcontractors to practice its profession, skill or business.

3.2. The work to be performed under this Agreement, except meter installations, shall be performed by Developer, or a contractor or subcontractor who is pre-approved by the District and is licensed under the laws of the State of California in the specialty Class of "C-34" Pipeline or Class "A" General Engineering. A copy of the contract between Developer and the selected pre-approved contractor and all subcontractors shall be submitted to the District for review and approval.

3.3. Excavation/resurfacing permits shall be secured by Developer at Developer's expense. Permits/easements to install, maintain and operate water system facilities in private property shall be secured by Developer at Developer's own expense prior to construction.

3.4. Developer shall, at Developer's own expense, be responsible for obtaining and adhering to a National Pollution Discharge Elimination System (NPDES) permit from the Regional Water Quality Board as required for construction or pipeline flushing and disinfection.

4. INSURANCE REQUIREMENTS

4.1. The following insurance requirements have been adopted by the District and shall be applicable to this Agreement. These requirements supersede the insurance requirements set forth in any other reference of the District, and to the extent of any conflict, the specified requirements herein shall prevail.

4.2. Developer shall ensure that Developer's contractors conform to the following insurance requirements and that all required documents are submitted to the District at the time of Agreement submittal: Developer shall ensure that its contractors and all subcontractors shall purchase and maintain insurance in amounts equal to the requirements set forth in (a) through (d) below, and shall not commence work under this Agreement until all insurance required under this heading is obtained in a form acceptable to the District, nor shall Developer allow any contractor or subcontractor to commence construction pursuant to a contract or subcontract until all insurance required of the contractor and any subcontractors has been obtained.

a. General Liability: Developer shall ensure that its contractor and all subcontractors shall maintain during the life of this Agreement, a standard form of either Comprehensive General Liability insurance or Commercial General Liability insurance ("General Liability Insurance") providing the following minimum limits of liability: Combined single limit of \$1.0 million per occurrence for bodily injury, including death, personal injury, and property damage with \$2.0 million minimum aggregate, separate for this project as evidenced by endorsement. The insurance shall include coverage for each of the following hazards: Premises-Operations; Owners and Contractors Protective; Broad Form Property Damage contractual for Specific Contract; Severability of Interest or Cross-Liability; XCU Hazards; and Personal Injury – With the "Employee" Exclusive Deleted.

b. Automotive/Vehicle Liability Insurance: Developer shall ensure that its contractor and all subcontractors shall maintain a policy of automotive/vehicle liability insurance on a commercial auto liability form covering owned, non-owned and hired automobiles providing the following minimum limits of liability: Combined single limit of liability of \$1.0 million per accident for Bodily Injury, Death and Property Damage ("Automotive/Vehicle Liability Insurance").

c. Workers' Compensation Insurance: Developer shall ensure that its contractor and all subcontractors shall provide such workers' compensation insurance with statutory minimum amounts of coverage, as required by the California *Labor Code* and other applicable law, and including employer's liability insurance with a minimum limit of \$1,000,000.00 ("Workers' Compensation Insurance"). Such Workers' Compensation Insurance shall be endorsed to provide for a waiver of subrogation against the District.

d. Excess Liability: Developer shall ensure that its contractor and all subcontractors shall provide a policy providing excess coverage in a face amount necessary when

combined with the primary insurance, to equal the minimum requirements for General Liability Insurance and Automotive/Vehicle Liability Insurance.

4.3. The insurances provided for in Section 4.2 and its subsections above are subject to all of the following conditions:

a. The insurance shall be issued and underwritten by insurance companies acceptable to the District, and shall be licensed by the State of California to do business on the lines of insurance specified. The insurers must also have an "A-" Policyholder's rating" and a "financial rating" of at least Class VII in accordance with the most current A.M. Best's Rating Guide.

b. Developer's contractor and subcontractors may satisfy the limit requirements in a single policy or multiple policies. Any such additional policies written as excess insurance shall not provide any less coverage than that provided by the first or primary policy.

c. Any costs associated with a self-insured program, deductibles, or premium rating programs that determine premium based on loss experience shall be for the account of Developer, Developer's contractor and subcontractors, and the District shall not be required to participate in any such loss. If any such programs exist, Developer, Developer's contractor and subcontractors, agree to protect and defend the District in the same manner as if such cost provisions were not applicable.

d. Developer shall ensure that its contractor and all subcontractors shall have presented at the time of execution of the Agreement, the original policies of insurance and a certificate of insurance naming the District as the certificate holder and that such coverage is in force and complies with the terms and conditions outlined herein.

e. If an insurance policy contains a general policy aggregate of less than the minimum limits specified, then the policy coverage shall be written with limits applicable solely to this Agreement, as specified, and shall not be reduced by or impaired by any other claims arising against Developer. These policy limits shall be set forth by separate endorsement to the policy.

4.4. Each such policy of General Liability Insurance and Automotive/Vehicle Liability Insurance shall contain endorsements providing the following:

a. The District, their board members, officers, agents, employees, consultants, and engineers, are hereby declared to be additional insureds under the terms of this policy, but only with respect to the operations of the Developer at or upon any of the premises of the District in connection with the Agreement with the District, or acts or omissions of the additional insureds in connection with, but limited to its general supervision or inspection of said operations and save for any claims arising from the sole negligence or sole willful misconduct the District.

b. No policy shall be canceled, limited, materially altered, or non-renewed by the insurer until thirty (30) days after receipt by the District of a written notice of such cancellation or reduction in coverage.

c. This insurance policy is primary insurance and no insurance held or owned by the designated additional insureds shall be called upon to cover a loss under this policy.

5. BONDING REQUIREMENTS

5.1. Developer shall provide a Contractor's proposal based on the District approved water system plans. The Developer will provide a Contractor's proposal and will be submitted to the District for review and approval at a later date (Exhibit "C"), and shall be used as the basis for bonding requirements for the water system described in the plans provided to the District by the Developer and approved for construction by the District.

5.2. Performance Bond: The Contractor's proposal from the Developer for **WATER IMPROVEMENT PLANS FOR GATX**, is **TBD –DEVELOPER WILL PROVIDE BOND AMOUNT AT A LATER DATE – DOLLARS and 00/100 (\$0.00)**. Developer shall and by this Agreement does guarantee the Developer's faithful performance of this Agreement and all of its terms and conditions. The Developer shall provide the District with a performance bond from a surety institution licensed by the State of California and authorized to do and doing business in said State, valid and renewable until such improvements are accepted by the District. The performance bond shall be in the amount of **DEVELOPER WILL PROVIDE BOND AMOUNT AT A LATER DATE – TBD – DOLLARS and 00/100 (\$0.00)** equal to 100 percent of the approved Developer's estimate.

5.3. Warranty Bond: The Developer's pre-approved contractor shall furnish a two-year warranty bond for all work completed in accordance with the approved plans. The approved plans will be provided at a later date (Exhibit "B"). Before District's acceptance of the completed water facilities and appurtenances, such facilities and appurtenances shall be free from any and all liens and encumbrances and free from any and all defects in the materials or construction thereof. The two-year warranty shall be a warranty bond beginning on the date of acceptance of the water facilities by the District.

6. MATERIALS

6.1. The water system facilities to be installed pursuant to this Agreement shall become an extension of the distribution system of the District. All materials used must conform to District specifications for such materials pursuant to all applicable Legal Requirements.

7. NOTICES

7.1. All notices herein required shall be in writing, and delivered in person or sent by registered mail, postage prepaid.

7.2. Notices required shall be given to the **District** addressed as follows:

WEST VALLEY WATER DISTRICT
 Attn: General Manager
 Post Office Box 920
 Rialto, CA 92377
 RE: WATER IMPROVEMENT PLANS FOR GATX

- 7.3. Notices required shall be given to **Developer** addressed as follows:

GATX CORPORATION
 20878 SLOVER AVE
 CORONA, CA 92324
 RE: WATER IMPROVEMENT PLANS FOR GATX

- 7.4. Notices required shall be given to **Surety** addressed as follows:
 SURETY NAME:
 ADDRESS
 RE: TRACT 20207 WATER IMPROVEMENT PLANS

7.5. Provided that any party or Surety may change such address by notice in writing to the other party, and thereafter, notices shall be addressed and transmitted to the new address.

7.6. The Developer or its contractor shall provide the District forty-eight (48) hours advance notice of request for inspection or testing.

- 7.7. The District is closed on the holidays listed in Exhibit "D".

8. NOTICE TO PROCEED TO CONSTRUCT WATER SYSTEM FACILITIES

8.1. Upon acceptance of the insurance and aforementioned bonds in the amounts provided herein and approval by the District and upon payment of all applicable charges, the Agreement shall be signed by Developer and the District. The District shall return an original copy of the signed Agreement with a letter to Developer giving notice to proceed to construct the water system facilities.

9. INSPECTION

9.1. It is understood that the sole purpose and intent of the District's inspection and testing is to validate that the materials, workmanship, and construction of the water facilities are in compliance with the District-approved final plans, the District's Rules and Regulations, the Standards for Domestic Water Facilities, the Standard Drawings, and all other applicable District requirements. Developer acknowledges and represents that it assumes full and sole responsibility for the safety and management of the project.

9.2. Developer shall at all times maintain proper facilities and provide safe access for inspection by the District to all parts of the work and to the shops wherein the work is in preparation. Additionally, in connection with the performance of this Agreement, the District shall have the authority to enter the work site at any time for the purpose of identifying the existence of conditions, either actual or threatened, that may present a danger of hazard to any and all employees. Developer agrees that the District, in its sole authority and discretion, may order the immediate abatement of any and all conditions that may present an actual or threatened danger or hazard to any and all employees at the work site. Furthermore, Developer acknowledges the provisions of California *Labor Code* Section 6400 et seq., which requires that employers shall

furnish employment and a place of employment that is safe and healthful for all employees working therein. In the event the District identifies the existence of any condition that presents an actual or threatened danger or hazard to any or all employees at the work site, the District is hereby authorized to order an immediate abatement of that condition.

9.3. All work and materials shall be subject to inspection, testing, and acceptance by the District at Developer's expense. In the event Developer arranges to have materials fabricated for the project, Developer may be required to arrange for the District to inspect that material during fabrication at Developer's expense.

9.4. All material fabrications shall be preapproved by the District and must conform to District standards and specifications.

9.5. The District's inspectors shall have full, unlimited access to perform continuous inspection and have the authority to stop work at any time, by written notice, without any liability whatsoever to the District, if, in the inspectors' judgment, the work called for by this Agreement, or the District approved plans, or the specifications is not being installed or performed in a satisfactory and workmanlike manner according to District's standards and specifications and/or in the event the materials do not comply with the District's standards and specifications.

9.6. Final acceptance of all material to be purchased or fabricated by Developer under this Agreement shall be made only with the prior approval of the District. Approval by the District, however, shall not operate to relieve the material supplier or Developer of any guarantees, warranties, or the duty of compliance with any of the requirements of the approved plans and specifications or of this Agreement. All construction pursuant to this Agreement shall be inspected pursuant for conformity with District requirements. Developer shall pay actual costs for inspections.

10. TESTING AND DISINFECTION

10.1. All water system facilities and components constructed pursuant to this Agreement shall adhere to all requirements for testing, disinfection, and flushing pursuant to District standards and Legal Requirements.

11. RELOCATIONS, RECONSTRUCTIONS, AND DAMAGES

11.1. Developer accepts the responsibility for and the costs occasioned by any reconstruction, relocation, damages to, or changes of water services or facilities caused or contributed to directly or indirectly by any subsequent changes in the location of any of said facilities or water meters or water services.

12. AS-CONSTRUCTED DOCUMENTATION

12.1. In order for the District to accept the facilities, Developer shall provide all required documentation as specified in the Standards for Domestic Water Facilities, including As-Built drawings.

13. INDEMNIFICATION

13.1. Developer hereby agrees to and shall protect, defend, indemnify and hold the District and its board members, officers, agents, employees, and engineers free and harmless from any and all liability losses, damages, claims, liens, demands and cause of action of every kind and character including, but not limited to, the amounts of judgments, penalties, interests, court costs, attorney's/legal fees, and all other expenses incurred by the District arising in favor of any party, including claims, liens, debts, demands for lost wages or compensation, personal injuries, including employees or the District, death or damages to property (including property of the District) and without limitation by enumeration, all other claims or demands of every character occurring or in any way incident to, in connection with or arising directly or indirectly out of the obligations herein undertaken or out of the operations conducted by Developer save and except claims or litigation arising through the sole negligence or sole willful misconduct of the District or the District's agents and employees. Developer shall investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at the sole expense of Developer even if the claim or claims alleged are groundless, false or fraudulent. Developer agrees to, and shall defend the District and its members, directors, officers, agents, employees, and engineers from any suits or actions at law or in equity for damages caused, or alleged to have been caused, by reason of any of the aforesaid operations, provided as follows:

a. That the District does not and shall not waive any rights against Developer which it may have by reason of the aforesaid hold harmless agreement, because of the acceptance by the District, or the deposit with District by Developer, or any of the insurance policies described in this Agreement.

b. That the aforesaid hold harmless agreement by Developer shall apply to all damages and claims for damages of every kind suffered, or alleged to have been suffered, by reason of any or the aforesaid operations referred to in this subsection, regardless of whether or not District has prepared, supplied water system installation, or regardless of whether or not such insurance policies shall have been determined to be applicable to any such damages or claims for damages.

This provision is not intended to create any cause of action in favor of any third party against Developer or the District or to enlarge in any way Developer's liability but is intended solely to provide for indemnification of the District from liability for damage or injuries to third persons or property arising from Developer's performance hereunder.

13.2. Neither Developer nor any of Developer's agents, contractors or subcontractors are, or shall be, considered to be agents of the District in connection with the performance of Developer's obligations under this Agreement.

14. REPAIR OR RECONSTRUCTION OF DEFECTIVE WORK

14.1. If, within a period of two years after final acceptance of the work performed under this Agreement, any structure or part of any structure furnished and/or installed or constructed, or caused to be installed or constructed by Developer, or any of the work done under this Agreement, fails to fulfill any of the requirement of this Agreement or the specifications referred to herein, Developer shall, without delay and without any cost to District, repair or replace or reconstruct

any defective or otherwise unsatisfactory part or parts of the work structure. Should Developer fail to act promptly or in accordance with this requirement, or should the exigencies of the situation as determined by the District in the exercise of its sole discretion require repair, replacement or reconstruction before Developer can be notified, District may, at its option, make the necessary repairs or replacements or perform the necessary work, and Developer shall pay to the District the actual cost of such repairs.

15. COSTS AND FEES

15.1. Developer shall be responsible for all fees and deposits as required by the District. All fees and deposits, shall be paid in full prior to the execution of this Agreement and before construction can take place.

15.2. Any additional costs and fees shall be paid in full prior to conveyance and acceptance of the water system.

16. CONVEYANCE AND ACCEPTANCE OF WATER SYSTEM

16.1. Upon completion of the water system in accordance with the approved water plans and submission of the required documentation, the Developer shall convey the water system to the District.

16.2. The Developer shall be responsible for insuring the pre-approved contractor furnish an irrevocable letter of credit to the District or a warranty bond (One Hundred (100%) of Developer's estimate) for a period of two years as stated in Sections 5.3 of this Agreement, as-built drawings with contractor redlines and AutoCAD files, materials list with quantities, labor, equipment, and materials, water system cost breakouts, compaction test report signed and sealed by a California Registered Engineer, notice of completion filed with San Bernardino County Recorder, fire flow tests of all hydrants, all required easements for water facilities and unconditional financial release from subcontractors and material providers, Upon compliance with all the terms and conditions of this Agreement, the District shall prepare the conveyance agreement accepting the water facilities and forward same to the address provided herein. Title to the ownership of said facilities and appurtenances shall thereby be conveyed to the District. The District shall thereafter operate and maintain said facilities so as to furnish water service to the development (Exhibit "A") in accordance with the District's ordinances, policies and Rules and Regulations.

17. PERMANENT WATER SERVICE

17.1. In no event shall permanent water services be provided to Developer's installed system until all applicable charges and fees have been paid by Developer and all facilities have been conveyed, free of all encumbrances, to the District, including any easements which may be required. Such conveyance shall occur in a timely manner in accordance with the terms of this Agreement.

18. BREACH OR DEFAULT OF AGREEMENT

18.1. If Developer refuses or fails to obtain prosecution of the work, or any severable part thereof, with such diligence as will insure its completion within the time specified, or any extension thereof, or fails to obtain completion of said work within such time, or if Developer should be adjudged as bankrupt, or Developer should make a general assignment for the benefit of Developer's creditors, or if a receiver should be appointed in the event of Developer's insolvency, or if Developer, or any of Developer's contractors, subcontractors, agents or employees, should violate any of the provisions of this Agreement, the District's General Manager or the General Manager's designee may serve written notice upon Developer and Developer's surety of breach of this Agreement, or of any portion therefore, and default of Developer.

18.2. In the event of any such notice, Developer's surety shall have the duty to take over and complete the work and the improvement herein specified; provided, however, that if the surety, within five (5) days after the serving upon of such notice of breach, does not give the District written notice of its intention to take over the performance of the contract, and does not commence performance thereof within five (5) days after notice to the District of such election, District may take over the work and prosecute the same to completion, by contract or by any other method District may deem advisable, for the account and at the expense of Developer, and Developer's surety shall be liable to the District for any excess cost or damages occasioned District thereby; and, in such event, District, without liability for so doing, may take possession of, and utilize in completing the work, such materials, appliances, plant and other property belonging to Developer as may be on the site of the work and necessary therefore.

19. SUCCESSORS BOUND

19.1. This Agreement shall be binding upon and inure to the benefit of each of the parties and their respective legal representatives, successors, heirs, and assigns.

20. ENFORCEMENT OF PROVISIONS

20.1. The District's failure to enforce any provisions of this Agreement or the waiver thereof in any instance shall not be construed as a general waiver or relinquishment on its part of any such provision, but the same shall nevertheless be and remain in full force and effect.

[SIGNATURES ON NEXT PAGE]

IN WITNESS WHEREOF, the parties hereto execute this Agreement.

WEST VALLEY WATER DISTRICT

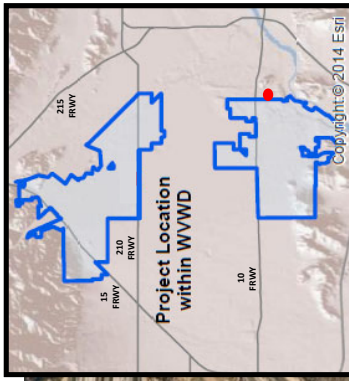
By: _____ Date: _____
Van Jew, Acting General Manager

DEVELOPER:

GATX CORPORATION

By: _____ Date: _____
Authorized Agent

Exhibit A



District Boundary

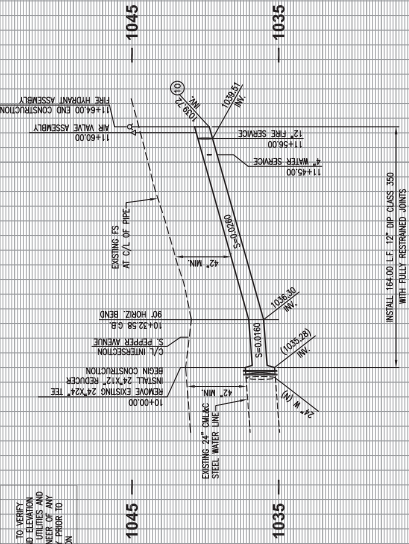


Exhibit A
GATX Corporation – 20878 Slover Ave, Colton

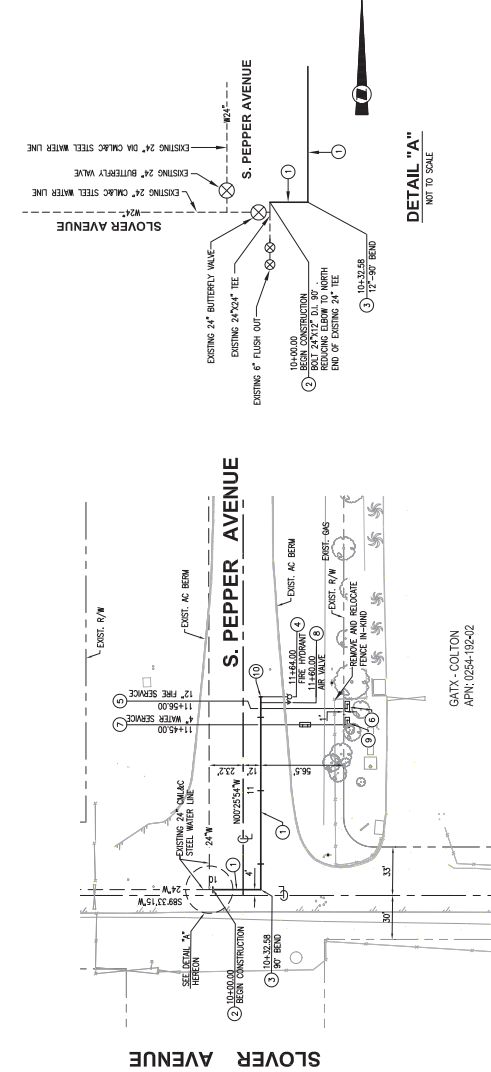
Exhibit B

(approved plans to be
provided at a later date)

NOTE:
CONTRACTOR TO VERIFY
EXISTING UTILITIES AND
CONNECTIONS TO ANY
CONSTRUCTION.



10 11 12



DETAIL "A"
NOT TO SCALE

SERVICE LATERAL LOCATIONS	
#	DESCRIPTION
1	IRRIGATION
2	WATER
3	FIRE

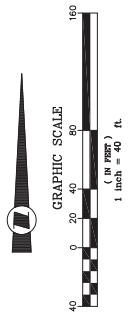


CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES AND CONNECTIONS TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES AND CONNECTIONS TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITIES AND CONNECTIONS TO ANY CONSTRUCTION.

CONSTRUCTION NOTES

- INSTALL 12" O.D.P. CLASS 350 WITH FULLY RESTRAINED JOINTS AND TRENCH EXHAUSTION / BACKFILL AND PAVING PER WIND STD. DWG. NO. W-20 AND W-1
- INSTALL 24" X 12" O.D. 80' REDUCING ELBOW PER WIND STD. DWG. NO. W-20
- INSTALL 12" O.D. 90' BEND
- INSTALL FIRE HYDRANT PER WIND STD. DWG. NO. W-2
- INSTALL 12" O.D.P. FIRE SERVICE LATERAL PER WIND STD. DWG. NO. W-20
- INSTALL 12" O.D.P. FIRE SERVICE ASSEMBLY PER WIND STD. DWG. NO. W-19 WITH BOND FLANGE ON END
- INSTALL 4" WATER SERVICE WITH 4" METER PER WIND STD. DWG. NO. W-9
- INSTALL 2" AIR VALVE ASSEMBLY PER WIND STD. DWG. NO. W-4
- INSTALL 4" BACKFLOW PREVENTER PER WIND STD. DWG. NO. W-20
- INSTALL 12" BOND FLANGE AT HYDRANT TEE

PROFILLE SCALE
HORIZ: 1" = 40'
VERT: 1" = 4'



WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS FOR
20878 SLOVER AVENUE COLL
GATX
SHEET 2 OF 2
2324

LDKING
L.D. KING, INC.
1000 SLOVER AVENUE, SUITE 200
OAKLAND, CA 94612
PHONE: (909) 945-0206
FAX: (909) 945-0206
WWW.LDKING.COM

Project No.: DE2018
Revision: 01/24/2018
Scale: AS SHOWN
Date: 01/24/2018

DESIGNED: COLTON
CHECKED: COLTON
DATE: 01/24/2018

APPROVED: COLTON
DATE: 01/24/2018

3.5.a

Exhibit C

(to be provided at later date)

Exhibit D



**CALENDAR YEAR 2022
HOLIDAY SCHEDULE**

<u>HOLIDAY</u>	<u>DAY OBSERVED</u>
New Year's Day	Friday, December 31, 2021
Martin Luther King Jr. Day	Monday, January 17, 2022
Presidents Day	Monday, February 21, 2022
Memorial Day	Monday, May 30, 2022
Independence Day	Monday, July 4, 2022
Labor Day	Monday, September 5, 2022
Veterans Day	Friday, November 11, 2022
Thanksgiving Day	Thursday, November 24, 2022
Day after Thanksgiving	Friday, November 25, 2022
Day before Christmas	Friday, December 23, 2022
Christmas Day	Monday, December 26, 2022
New Year's Eve	Friday, December 30, 2022

EXHIBIT B

BOARD OF DIRECTORS

Channing Hawkins, Div. 4
President, Board of Directors

Gregory Young, Div. 5
Vice President, Board of Directors

Angela Garcia, Div. 1
Director

Dan Jenkins, Div. 2
Director

Kelvin Moore, Div. 3
Director

ADMINISTRATIVE STAFF

Van M. Jew
Acting General Manager

**ESTABLISHED AS A PUBLIC AGENCY IN 1952**

WEST VALLEY WATER DISTRICT'S MISSION IS TO PROVIDE
OUR CUSTOMERS WITH SAFE, HIGH QUALITY AND RELIABLE
WATER SERVICE AT A REASONABLE RATE AND IN A
SUSTAINABLE MANNER.

November 17, 2022

Samuel Martinez
Local Agency Formation Commission for San Bernardino County
215 North "D" Street, Suite 204
San Bernardino, CA 92415-0490

Subject: Request for Approval of an Out-Of-Agency Service Agreement for GATX Corporation

Dear Mr. Martinez,

The intent of this letter is to request Local Agency Formation Commission's (LAFCO) consideration of the attached application for an Out-Of-Agency Service Agreement between West Valley Water District (WVWD) and General American Transportation Corporation (GATX). It is WVWD's desire to enter into an agreement with GATX to provide water service to APN 0254-291-02 on an interim basis while a Sphere of Influence expansion and Annexation are being concurrently considered by LAFCO. This request is being made to comply with San Bernardino County Department of Public Health's Compliance Order No. 05_66_21R_022 for GATX, whose onsite water supply has exceeded the maximum contaminant level of perchlorate and may no longer be used for potable water. A copy of the compliance order is attached for reference.

Due to the nature of the contamination, and GATX's inability to use its onsite water system, it is imperative that water service be established immediately, and scheduled prior to the completion of the Sphere of Influence and Annexation hearings. This agreement would allow essential services to be provided to GATX on an interim basis to avoid any public health risks, as authorized under Section 56133 (c) of the Government Code.

If you have any questions or need additional information, please contact Daniel Guerra at (909) 875-1804 xt.373 or by email at dguerra@wvwd.org.

Sincerely,

Van Jew
Acting General Manager

Attachments:

1. Out-Of-Agency Service Agreement
2. Compliance Order No. 05_66_21R_022

EXHIBIT A

(FOR LAFCO USE ONLY)

SAN BERNARDINO LAFCO APPLICATION FOR EXTENSION OF SERVICE BY CONTRACT

(A certified copy of the City Council/District Board of Directors resolution or a letter from the City Manager/General Manager requesting approval for an out-of-agency service agreement must be submitted together with this application form.)

AGENCY TO EXTEND SERVICE:

AGENCY NAME: West Valley Water District
 CONTACT PERSON: Daniel Guerra
 ADDRESS: 855 W. Baseline Road
 Rialto, CA 92377
 PHONE: (909) 875-1804
 EMAIL: dguerra@wwwd.org

CONTRACTING PARTY:

NAME OF PROPERTY OWNER: GATX
 CONTACT PERSON: Yasmin Asghari
 MAILING ADDRESS: 233 S Wacker Drive
 Chicago, IL 60606
 PHONE: (312) 621-6340
 EMAIL: Yasmin.asghari@gatx.com
 ADDRESS OF PROPERTY PROPOSED FOR CONTRACT: 20878 Slover Ave
 Colton, CA 92324
 CONTRACT NUMBER/IDENTIFICATION:
 PARCEL NUMBER(S): 0254-291-02
 ACREAGE: 34 ± acres

*Extension of Service by Contract
Application Form*

(FOR LAFCO USE ONLY)

The following questions are designed to obtain information related to the proposed agreement/contract to allow the Commission and staff to adequately assess the proposed service extension. You may include any additional information which you believe is pertinent. Please use additional sheets where necessary.

1. (a) List the type or types of service(s) to be provided by this agreement/contract.
Water Services for Potable, fire, and irrigation.
- (b) Are any of the services identified above "new" services to be offered by the agency? YES NO. If yes, please provide explanation on how the agency is able to provide the service.

2. Is the property to be served within the agency's sphere of influence? YES NO

3. Please provide a description of the service agreement/contract.
Pre-annexation agreement

4. (a) Is annexation of the territory by your agency anticipated at some point in the future? YES NO. If yes, please provide a projected timeframe when it anticipates filing an application for annexation of territory that would include the area to be served. If no, please provide an explanation as to why a jurisdictional change is not possible at this time.

The Application for Annexation will be processed concurrently with the Pre-Annexation Agreement, however, it is anticipated that the Pre-Annexation Agreement will be completed ahead of the Annexation Agreement.
- (b) Is the property to be served contiguous to the agency's boundary? YES NO. If yes, please provide explanation on why annexation to the agency is not being contemplated.

Annexation to the agency will be processed concurrently with the Pre-Annexation Agreement.

5. Is the service agreement/contract outside the Agency's sphere of influence in response to a threat to the public health and safety of the existing residents as defined by Government Code Section 56133(c)? YES NO. If yes, please provide documentation regarding the circumstance (i.e. letter from Environmental Health Services or the Regional Water Quality Control Board).

The project is requesting annexation to WWWD as a corrective action to a Compliance Order issued by SB EHS – Order #05-66-21R-022 for perchlorate and Order #05-66-21R-077 for nitrate exceedance of MCL. See attached copies of the Orders.

Extension of Service by Contract
Application Form

(FOR LAFCO USE ONLY)

6. (a) What is the existing use of the property?

Zoned Heavy Industrial. The site is currently owned by GATX, a company which cleans and maintains rail cars.

(b) Is a change in use proposed for the property? YES NO. If yes, please provide a description of the land use change.

7. If the service agreement/contract is for development purposes, please provide a complete description of the project to be served and its approval status.

There is an existing 24-inch water main at the intersection of Pepper Ave and Slover Ave. A 12-inch water main is proposed to extend from the 24-inch line northerly in Pepper Ave approximately 154 feet. Potable, irrigation and fire service laterals will connected to the proposed 12-inch line and extend to the GATX property.

8. Are there any land use entitlements/permits involved in the agreement/contract?

YES NO. If yes, please provide documentation for this entitlement including the conditions of approval and environmental assessment that are being processed together with the project. Please check and attach copies of those documents that apply:

- Tentative Tract Map / Parcel Map
- Permit (Conditional Use Permit, General Plan Amendment, etc.)
- Conditions of Approval
- Negative Declaration (Initial Study)
- Notice of Determination (NOD)/Notice of Exemption (NOE)
- Department of Fish and Game (DFG) Receipt
- Others (please identify below)

9. Has the agency proposing to extend service conducted any CEQA review for this contract? YES NO. If yes, please provide a copy of the agency's environmental assessment including a copy of the filed NOD/NOE and a copy of the DFG Receipt.

Extension of Service by Contract
Application Form

(FOR LAFCO USE ONLY)

10. Plan for Service:

- (a) Please provide a detailed description of how services are to be extended to the property. The response should include, but not be limited to, a description of: 1) capacity of existing infrastructure, 2) type of infrastructure to be extended or added to serve the area, 3) location of existing infrastructure in relation to the area to be served, 4) distance of infrastructure to be extended to serve the area, and 5) other permits required to move forward with the service extension.

West Valley Water District currently has an existing 24-inch water main in Slover Avenue and a 24-inch main in Pepper Avenue (West). The two water mains are connected at the intersection of the two avenues. There are two separate roadway surfaces within the Pepper Avenue Right of Way which are divided by an earth median. The existing 24-inch water main is in the westerly roadway and the GATX property fronts on the easterly roadway. To serve the GATX site, a proposed 12-inch water line will be connected to the existing 24-inch water line and extend easterly in Slover Avenue and northerly in the easterly alignment of Pepper Avenue. From the 12-inch line there will be a proposed 4-inch potable water service and meter, and a 12-inch fire service. See the attached Proposed Water Exhibit.

- (b) Please provide a detailed description of the overall cost to serve the property. The response should include the costs to provide the service (i.e. fees, connection charges, etc.) and also the costs of all improvements necessary to serve the area (i.e. material/equipment costs, construction/installation costs, etc.).

<i>Description of Fees/Charges</i>	<i>Quantity</i>	<i>Unit Cost</i>	<i>Total</i>
12-inch Ductile Iron Pipe Fully Restrained	154 LF	\$300.00	\$46,200.00
4-inch Potable Water Service w 4-inch Meter	1 EA	\$2,200.00	\$2,200.00
4-inch Back Flow Preventer	1 EA	\$3,900.00	\$3,900.00
12-inch Fire Line Service	1 EA	\$3,600.00	\$3,600.00
10-inch DCA	1 EA	\$14,000.00	\$14,000.00
Pavement Trench and Repair	185 LF	\$30.00	\$5,550.00
Connection to Existing Main	1 EA	\$1,200.00	\$1,200.00
12-inch Blind Flange and Restrained Joint	1 EA	\$700.00	\$700.00
2-inch Air Valve Assembly	1 EA	\$1,800.00	\$4,600.00
Fire Hydrant Assembly	1 EA	\$3,600.00	\$3,600.00
Total Costs			\$85,550.00

*Extension of Service by Contract
Application Form*

(FOR LAFCO USE ONLY)

- (c) Please identify any unique costs related to the service agreement such as premium outside City/District rates or additional 3rd-party user fees and charges (i.e. fees/charges attributable to other agencies).

There are no unique costs related to the water main and services.

- (d) If financing is to occur, please provide any special financial arrangement between the agency and the property owner, including a discussion of any later repayment or reimbursement (If available, a copy of the agreement for repayment/reimbursement is to be provided).

The property owner, GATX, is responsible for hiring a contractor for the installation and connection of the proposed water main and services to the West Valley Water District water main. The costs of improvements and financing are borne by the property owner.

- 11 Does the City/District have any policies related to extending service(s) outside its boundary? YES NO. If yes, has a copy been provided to LAFCO?
 YES NO. If not, please include a copy of the policy or policies (i.e. resolution, municipal code section, etc.) as part of the application.

CERTIFICATION

As a part of this application, the City/Town of _____, or the West Valley Water District agree to defend, indemnify, hold harmless, promptly reimburse San Bernardino LAFCO for all reasonable expenses and attorney fees, and release San Bernardino LAFCO, its agents, officers, attorneys, and employees from any claim, action, proceeding brought against any of them, the purpose of which is to attack, set aside, void, or annul the approval of this application or adoption of the environmental document which accompanies it.

This indemnification obligation shall include, but not be limited to, damages, penalties, fines and other costs imposed upon or incurred by San Bernardino LAFCO should San Bernardino LAFCO be named as a party in any litigation or administrative proceeding in connection with this application.

The agency signing this application will be considered the proponent for the proposed action(s) and will receive all related notices and other communications. I understand that if this application is approved, the Commission will impose a condition requiring the applicant to indemnify, hold harmless and reimburse the Commission for all legal actions that might be initiated as a result of that approval.

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this evaluation of service extension to the best of my ability, and that the facts, statement and information presented herein are true and correct to the best of my knowledge and belief.

SIGNED _____
NAME: _____
POSITION TITLE: _____
DATE: _____

REQUIRED EXHIBITS TO THIS APPLICATION:

- 1. Copy of the agreement/contract.
- 2. Map(s) showing the property to be served, existing agency boundary, the location of the existing infrastructure, and the proposed location of the infrastructure to be extended.
- 3. Certified Plan for Service (if submitted as a separate document) including financing arrangements for service.

Please forward the completed form and related information to:

*Extension of Service by Contract
Application Form*

(FOR LAFCO USE ONLY)

Local Agency Formation Commission for San Bernardino County

1170 West 3rd Street, Unit 150

San Bernardino, CA 92415-0490

PHONE: (909) 388-0480 • FAX: (909) 388-0481

Rev: krm – 8/19/2015

EXHIBIT B



Public Health Environmental Health Services

Andrew Goldfrach, FACHE
Interim Director

Joshua Dugas
Assistant Director

Michael A. Sequeira, M.D.
Health Officer

Jennifer Osorio, REHS
Division Chief

April 6, 2021

System No. 3601089

Yasmin Asghari
Gen American Trans Corp.
233 South Wacker Dr. 50th Floor
Chicago, Illinois 60606

COMPLIANCE ORDER NO. 05_66_21R_022 PERCHLORATE MAXIMUM CONTAMINANT LEVEL VIOLATION FOR 2021

Enclosed is Compliance Order No. 05_66_21R_022 (hereinafter "Order"), issued to the Gen American Trans Corp (hereinafter "GATX") public water system. Please note there are legally enforceable deadlines associated with this Order.

The GATX will be billed at the Division of Environmental Health Services (hereinafter "Division"), hourly rate for the time spent on issuing this Order. California Health and Safety Code (hereinafter "CHSC"), Section 116577, provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with an order. At this time, the Division has spent approximately 0.50 hours on enforcement activities associated with this violation.

Any person who is aggrieved by a citation, order or decision issued under authority delegated to an officer or employee of the state board under Article 8 (commencing with CHSC, Section 116625) or Article 9 (commencing with CHSC, Section 116650), of the Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4), may file a petition with the State Water Board for reconsideration of the citation, order or decision.)

Petitions must be received by the State Water Board within 30 days of the issuance of the citation, order or decision by the officer or employee of the State Water board. The date of issuance is the date when the Division mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day by 5:00 p.m.

Information regarding filing petitions may be found at:

http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

BOARD OF SUPERVISORS

COL. PAUL COOK (RET.)
First District

JANICE RUTHERFORD
Second District

DAWN ROWE
Vice Chair, Third District

CURT HAGMAN
Chairman, Fourth District

JOE BACA, JR.
Fifth District

If you have any questions regarding this matter, please contact Noah Hamm at 1-800-442-2283.

Sincerely,



Noah Hamm, REHS
Environmental Health Specialist
Land Use Protection Program

Enclosures

Compliance Order No. 05_66_21R_022

Certified Mail No. 7019 1120 0000 7135 2647

cc: Eric Zuniga, via email at eric.zuniga@waterboards.ca.gov
Hector Cazares, via email at hector.cazares@waterboards.ca.gov
Gabriela Garcia, via email at gabriela.garcia@dph.sbcounty.gov

1 **Compliance Order No. 05_66_21R_022**

2 SAN BERNARDINO COUNTY

3 DEPARTMENT OF PUBLIC HEALTH

4 DIVISION OF ENVIRONMENTAL HEALTH SERVICES

5
6 **Name of Public Water System:** Gen American Trans Corp

7 **Water System No:** 3601089

8
9 **Attention:** Ms. Yasmin Asghari, Financial Contact

10 233 S. Wacker Dr. 50th Floor

11 Chicago, Illinois 60606

12
13 **Issued:** April 6, 2021

14
15 **COMPLIANCE ORDER FOR NONCOMPLIANCE WITH**
16 **CALIFORNIA HEALTH AND SAFETY CODE, SECTION 116555(a)(1) AND**
17 **CALIFORNIA CODE OF REGULATIONS, TITLE 22,**
18 **SECTIONS 64431**

19
20 **PERCHLORATE MAXIMUM CONTAMINANT LEVEL VIOLATION**
21 **2021**

22
23 The California Health and Safety Code (hereinafter "CHSC"), Section 116655
24 authorizes the San Bernardino County, Division of Environmental Health Services
25 (hereinafter "Division"), to issue a compliance order to a public water system when
26 the Division determines that the public water system has violated or is violating the
27 California Safe Drinking Water Act (hereinafter "California SDWA"), (CHSC, Division

Compliance Order No. 05_66_21R_022

1 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation,
2 standard, permit, or order issued or adopted thereunder.

3
4 The Division, acting by and through its primacy delegation from the State Water
5 Resources Control Board, hereby issues Compliance Order 05_66_21R_022
6 (hereinafter "Order"), pursuant to Section 116655 of the CHSC to the Gen American
7 Trans Corp (hereinafter "GATX") for violation of CHSC, Section 116555(a)(1) and
8 California Code of Regulations (CCR), Title 22, Section 64431.

STATEMENT OF FACTS

9
10
11 The GATX is classified as a Nontransient-Noncommuntiy (NTNC) public water
12 system with a population of 70, serving one (1) connection. The GATX operates
13 under Domestic Water Supply Permit No. 15-3601089-001 issued by the Division on
14 February 26, 2015. The GATX is using a groundwater source to supply potable
15 water to the service area.

16
17 CHSC, Section 116555(a)(1) requires all public water systems to comply with
18 primary drinking water standards as defined in CHSC, Section 116275(c). Primary
19 drinking water standards include maximum levels of contaminants, specific
20 treatment standards, and monitoring and reporting requirements as specified in
21 regulations adopted by the Division.

22
23 Pursuant to CCR, Title 22, Section 64431, public water systems shall comply with
24 the primary maximum contaminant level (hereinafter "MCL") in table 64431-A as
25 specified in this article and CCR, Title 22, 64432.3(d)(2), whenever the level of
26 perchlorate in a single sample exceeds the perchlorate MCL of 0.006 mg/L (6 µ/L).
27 The GATX is required to collect and analyze a confirmation sample within 48 hours
28 of notification of the result. The GATX is in violation of the perchlorate MCL when

Compliance Order No. 05_66_21R_022

1 the average of the initial and confirmation samples exceeds the MCL and must
2 report the results to the Division within 48 hours. On March 16, 2021 the analytical
3 result of the sample collected from the Well showed it contained a perchlorate
4 concentration of 7.2 µ/L exceeding the MCL. The required confirmation sample
5 collected on March 24, 2021 had a perchlorate concentration of 7.7 µ/L. The
6 average of the initial and confirmation sample was 7.45 µ/L, exceeding the
7 perchlorate MCL.

DETERMINATION

8
9
10 The Division has determined that the GATX has failed to comply with primary
11 drinking water standards pursuant to CHSC, Section 116555(a)(1) and the
12 perchlorate MCL pursuant to CCR, Title 22, Section 64431.

DIRECTIVES

13
14
15 The GATX is hereby directed to take the following actions:

- 16
17 1. By **May 1, 2024**, comply with CCR, Title 22, Section 64431.
- 18
19 2. Quarterly sampling for perchlorate from Well must begin by **April 1, 2021**,
20 and must continue every three months thereafter. The analytical results of
21 the samples must be submitted electronically to the Division, by the
22 laboratory, that conducts the analysis, no later than the tenth day of the
23 month following completion of the analyses.
- 24
25 3. By **April 10, 2021** notify all persons served by the GATX of the violation of
26 CCR, Title 22, Sections 64431 in conformance with Sections 64463.1(a)(6)
27 and 64465. Appendix 1: Notification Template, must be used to fulfill this
28 Directive, unless otherwise approved by the Division and contents of

Compliance Order No. 05_66_21R_022

1 Appendix 1 must be approved by the Division prior to issuance. **The GATX**
2 **must edit the wording of the notification template as necessary.** The
3 notification must be completed in accordance with the following:

- 4 • By radio or television;
- 5 • By posting in conspicuous locations throughout the area served by the
6 GATX;
- 7 • By hand delivery to persons served by the GATX; or
- 8 • By other method approved by the Division, based on the method's ability to
9 inform GATX users.

- 10
11
12 4. Complete Appendix 2, Compliance Certification Form, and submit together
13 with a copy of the public notification required by Directive No. 3, to the
14 Division within 10 days following each public notification. The first certificate
15 of completion of public notification form is due on or before **April 10, 2021**.
- 16
17 5. Prepare a Corrective Action Plan for Division approval, identifying
18 improvements to the water system designed to correct the water quality
19 problems identified as an exceedance of the perchlorate MCL and ensure that
20 the GATX delivers water to consumers that meets primary drinking water
21 standards. The plan must include a time schedule for completion of each of
22 the phases of the project, such as design, construction, and startup, and a
23 date that shows when the GATX will be in compliance with the perchlorate
24 MCL. The date must be no later than **May 1, 2024**.
- 25
26 6. By **October 5, 2021**, submit the Corrective Action Plan required under Directive
27 No. 5 above, to the Division office located at:
28

Compliance Order No. 05_66_21R_022

1 County of San Bernardino – Environmental Health Services
2 385 N. Arrowhead Ave, 2nd floor
3 San Bernardino, CA 92415
4

- 5 7. Perform the Division approved Corrective Action Plan, and each and every
6 element of said plan, according to the time schedule set forth therein.
7
- 8 8. By **May 13, 2021**, the GATX must submit an updated operations plan pursuant
9 to Section 64600 to minimize use of the perchlorate contaminated source.
10
- 11 9. By **April 31, 2021** and every month thereafter, the GATX must record the
12 monthly production of all sources, and submit a running report of the monthly
13 production from each source to the Division.
14
- 15 10. By **July 10, 2021** and every three months thereafter, submit a report to the
16 Division in the form provided as Appendix 3 showing actions taken during the
17 previous quarter (calendar three months) to comply with the Corrective Action
18 Plan.
19
- 20 11. By **May 1, 2024**, demonstrate to the Division that the water delivered by the
21 GATX complies with the perchlorate MCL.
22
- 23 12. Include this violation in the 2021 Consumer Confidence Report in accordance
24 with CCR, Title 22, Section 64481(g)(1).
25
- 26 13. By **April 19, 2021**, complete and return to the Division the "Notification of
27 Receipt" form attached to this compliance order as Appendix 4. Completion
28 of this form confirms that the GATX has received this Compliance Order and
29 understands that it contains legally enforceable directives with due dates.

Compliance Order No. 05_66_21R_022

1 All submittals required by this Order, unless otherwise specified in the directives
2 above, must be electronically submitted to the Division at the following address. The
3 subject line for all electronic submittals corresponding to this Order must include the
4 following information: Water System name and number, compliance order number
5 and title of the document being submitted.

6
7 Noah Hamm, REHS

8 Noah.Hamm@dph.sbcounty.gov
9

10 The Division reserves the right to make modifications to this Order that it may deem
11 necessary to protect public health and safety. Such modifications may be issued as
12 amendments to this Order and shall be effective upon issuance.

13
14 Nothing in this Order relieves the GATX of its obligation to meet the requirements of
15 the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with
16 Section 116270), or any regulation, standard, permit or order issued or adopted
17 thereunder.

PARTIES BOUND

18
19
20 This Order shall apply to and be binding upon the GATX, its owners, shareholders,
21 officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

22
23
24 The directives of this Order are severable, and the GATX shall comply with each and
25 every provision thereof notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTION

Compliance Order No. 05_66_21R_022

1 The California SDWA authorizes the Division, pursuant to authority delegated by the
2 State Water Board, to issue a citation or order with assessment of administrative
3 penalties to a public water system for violation or continued violation of the
4 requirements of the California SDWA or any regulation, permit, standard, citation, or
5 order issued or adopted thereunder including, but not limited to, failure to correct a
6 violation identified in a citation or compliance order. Pursuant to its delegated
7 authority, the California SDWA also authorizes the Division to take action to suspend
8 or revoke a permit that has been issued to a public water system if the public water
9 system has violated applicable law or regulations or has failed to comply with an
10 order of the Division, and to petition the superior court to take various enforcement
11 measures against a public water system that has failed to comply with an order of
12 the Division. The Division does not waive any further enforcement action by
13 issuance of this Order.

14 

15 _____
16 Noah Hamm, REHS
17 Environmental Health Specialist
18 Land Use Protection Program
19 Division of Environmental Health Services

April 6, 2021

Date

20
21 Appendices 4:

- 22
23 1. Notification Template
24 2. Certification of Completion of Public Notification
25 3. Quarterly Progress Report
26 4. Notification of Receipt Form
27

28 Certified Mail No. 7019 1120 0000 7135 2647

APPENDIX 1. NOTIFICATION TEMPLATE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

DRINKING WATER WARNING

Gen American Trans Corp water has high levels of perchlorate

**DO NOT DRINK THE WATER
OR USE IT TO MAKE INFANT FORMULA**

Water sample results received [sample results date] showed perchlorate levels of [level and units]. This is above the perchlorate standard or maximum contaminant level (MCL), of 0.006 milligrams per liter (6 parts per billion). Perchlorate consumed in drinking water may interfere with iodide uptake in the body, leading to abnormal hormone levels in the body.

What should I do?

- **DO NOT DRINK THE WATER OR USE IT TO MAKE INFANT FORMULA.** *Perchlorate has been shown to interfere with uptake of iodide by the thyroid gland, and to thereby reduce the production of thyroid hormones, leading to adverse affects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal growth and development of the fetus, as well as for normal growth and development in the infant and child. In adults, thyroid hormones are needed for normal metabolism and mental function. Women who smoke and have low iodine intake appear to be particularly susceptible.*
- Water, juice, and formula should not be prepared with tap water. Bottled water or other water low in perchlorate should be used until further notice.
- **DO NOT BOIL THE WATER.** Boiling, freezing, filtering, or letting water stand does not reduce the perchlorate level. Excessive boiling can make the perchlorate more concentrated because perchlorate remains behind when the water evaporates.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Perchlorate is an inorganic chemical often used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts. We will let you know when the amount of perchlorate is again below the limit.

[Describe corrective action, seasonal fluctuations, and when system expects to return to compliance.]

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Gen American Trans Corp.

State Water System ID#:

Date distributed:

APPENDIX 2
CERTIFICATION OF COMPLETION OF PUBLIC NOTIFICATION

Compliance Order Number: 05_66_21R_022

Name of Water System: Gen American Trans Corp

System Number: 3601089

Attach a copy of the public notice distributed to the water system's customers.

This form, when completed and sent to sbcwater123@gmail.com for the County of San Bernardino – Environmental Health Services, 385 N. Arrowhead Ave, 2nd Floor, San Bernardino, CA 92415, serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public notification for failure to comply with the Perchlorate MCL was conducted on:

Notification was made on _____ (date).

For the month, year of _____, _____.

To summarize report delivery used and good-faith efforts taken, please check all items below that apply and fill-in where appropriate:

For Community and non-transient non-community public water systems

The notice was distributed by mail or direct delivery to each customer on: _____

One or more of the following methods were used to reach persons not likely to be reached by a mailing or direct delivery or persons served by a transient public water system (renters, nursing home patients, prison inmates, etc.):

- Posted the notice at the following conspicuous locations served by the water system. (If needed, please attach a list of locations). _____
- Publication of the notice in a local newspaper or newsletter of general circulation (attach a copy of the published notice, including name of newspaper and date published).
- Posted the notice on the Internet at www. _____
- Other method used to notify customers. _____

I hereby certify that the above information is factual.

Certified by: Printed Name _____ Title _____

Signature _____

Date _____

Disclosure: Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than \$25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.

APPENDIX 3: QUARTERLY PROGRESS REPORT

Water System: Gen American Trans Corp	Water System No: 3601089
Compliance Order No: 05_66_21R_022	Violation: Perchlorate MCL
Calendar Quarter:	Date:

This form should be prepared and signed by Gen American Trans Corp personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress report must be submitted by the 10th day of each subsequent quarter, to the Division to the following email address: sbcwater123@gmail.com titled appropriately.

Summary of Compliance Plan:

--

Tasks completed in the reporting quarter:

--

Tasks remaining to complete:

--

Anticipated compliance date:

--

Printed Name

Signature

Title

Date

APPENDIX 4 – NOTIFICATION OF RECEIPT

Compliance Order Number: 05_66_21R_022

Name of Water System: Gen American Trans Corp

System Number: 3601089

Certification

I certify that I am an authorized representative of the Gen American Trans Corp and that Compliance Order No. 05_66_21R_022 was received on _____. Further I certify that the Compliance Order has been reviewed by the appropriate management staff of the Gen American Trans Corp and it is clearly understood that Compliance Order No. 05_66_21R_022 contains legally enforceable directives with specific due dates.

Signature of Water System Representative

Date

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DIVISION OF ENVIRONMENTAL HEALTH SERVICES, NO LATER THAN APRIL 19, 2021

Disclosure: Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than \$25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.



Public Health
Environmental Health Services

Joshua Dugas MBA, REHS
 Director

Jeany Zepeda
 Assistant Director

Michael A. Sequeira, M.D.
 Health Officer

Jennifer Osorio, REHS
 Division Chief

October 20, 2021

System No. 3601089

Wally (Md) Waliullah, EHS Manager
 Gen American Trans Corp (GATX Corporation)
 20878 Slover Ave.
 Colton, CA 92324

COMPLIANCE ORDER NO. 05_66_21R_077
NITRATE MAXIMUM CONTAMINANT LEVEL EXCEEDANCE
FOR SEPTEMBER, 2021

Enclosed is Compliance Order No. 05_66_21R_077 (hereinafter "Order"), issued to the Gen American Trans Corp (hereinafter "System"), public water system. Please note there are legally enforceable deadlines associated with this Order.

The System will be billed at the San Bernardino County, Division of Environmental Health Services (hereinafter "Division") hourly rate for the time spent on issuing this Order. California Health and Safety Code (hereinafter "CHSC") Section 116595 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including preparing, issuing, and monitoring compliance with an order. At this time, the Division has spent approximately 1 hour on enforcement activities associated with this violation.

Any person who is aggrieved by a citation, order or decision issued under authority delegated to an officer or employee of the Division under Article 8 (commencing with CHSC, Section 116625) or Article 9 (commencing with CHSC, Section 116650), of the Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4), may file a petition with the State Water Board for reconsideration of the citation, order or decision.

Petitions must be received by the State Water Board within 30 days of the issuance of the citation, order or decision by the officer or employee of the State Water Board. The date of issuance is the date when the Division of Drinking Water mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day by 5:00 p.m.

Information regarding filing petitions may be found at:

http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

BOARD OF SUPERVISORS

COL. PAUL COOK (RET.)
 First District

JANICE RUTHERFORD
 Second District

DAWN ROWE
 Vice Chair, Third District

CURT HAGMAN
 Chairman, Fourth District

JOE BACA, JR.
 Fifth District

Leonard X. Hernandez

If you have any questions regarding this matter, please contact Noah Hamm at 1-800-442-2283.

Sincerely,



Noah Hamm, REHS
Environmental Health Specialist
Land Use Protection Program

Enclosures

Citation No. 05_66_21R_077

Certified Mail No. 7019 1120 0000 7119 8856

cc: Amanda Chapman, via email at Amanda.Chapman@Waterboards.ca.gov
Jarrett Hamud, via email at Jarrett.Hamud@Waterboards.ca.gov
Gabriela Garcia, via email at gabriela.garcia@dph.sbcounty.gov

Compliance Order No. 05_66_21R_077

SAN BERNARDINO COUNTY

DEPARTMENT OF PUBLIC HEALTH

DIVISION OF ENVIRONMENTAL HEALTH SERVICES

Name of Public Water System: Gen American Trans Corp (GATX Corporation)**Water System No:** 3601089**Attention:** Wally (Md) Waliullah, EHS Manager

20878 Slover Ave.

Colton, CA 92324

Issued: October 20, 2021**COMPLIANCE ORDER FOR NONCOMPLIANCE****CALIFORNIA HEALTH AND SAFETY CODE, SECTION 116555 AND****CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64431****NITRATE MAXIMUM CONTAMINANT LEVEL EXCEEDANCE
FOR SEPTEMBER, 2021**

The California Health and Safety Code (hereinafter "CHSC"), Section 116655 authorizes the San Bernardino County, Division of Environmental Health Services (hereinafter "Division"), acting by and through its primacy delegation from the State Water Resources Control Board (State Water Board), to issue a compliance order to a public water system when the Division determines that the public water system has violated or is violating the California Safe Drinking Water Act (hereinafter "California

1 SDWA”), (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270),
2 or any regulation, standard, permit, or order issued or adopted thereunder.

3
4 The Division, acting by and through its primacy delegation from the State Water Board,
5 hereby issues Compliance Order No. 05_66_21R_077 (hereinafter “Order”) pursuant to
6 Section 116655 of the CHSC to the Gen American Trans Corp (GATX Corporation)
7 (hereinafter “System”), for violation of CHSC, Section 116555(a)(1) and California
8 Code of Regulations (hereinafter “CCR”), Title 22, Section 64431 Maximum
9 Contaminant Levels (hereinafter “MCL”) – Inorganic Chemicals.

11 STATEMENT OF FACTS

12 The System is classified as a Nontransient-Noncommunity (NTNC) public water system
13 with a population of 70, serving 1 connection. The System operates under Domestic
14 Water Supply Permit No. 15-3601089-001 issued by the Division on February 26,
15 2015. The System is using groundwater source to supply potable water to the
16 distribution system.

17
18 CHSC, Section 116555 requires all public water systems to comply with primary
19 drinking water standards as defined in CHSC, Section 116275(c). Primary drinking
20 water standards include maximum levels of contaminants, specific treatment
21 standards, and monitoring and reporting requirements as specified in regulations
22 adopted by the Division.

23
24 CCR, Title 22, Section 64431 Maximum Contaminant Levels – Inorganic Chemicals
25 states that public water systems shall comply with the primary MCLs established in
26 table 64431-A. The MCL for Nitrate (as Nitrogen) is 10. milligrams per liter (hereinafter
27 “mg/L”).
28

1 The Division received laboratory results for 2 nitrate samples collected on 09/22/2020
 2 and 9/30/2021 from Well (CA3601089_001_001). The average nitrate concentration
 3 from the 2 samples was 11 mg/L. A summary of the System's most recent nitrate
 4 monitoring results are presented in Table 1 below:

5
 6 Table 1 – Well Nitrate Sample Results

Sample Date	Result (mg/L)	Type of Sample
9/22/2021	11	Initial
9/30/2021	11	Confirmation

7
 8 Notification to the public of the nitrate violation was performed by the System on
 9 October 6, 2021, in conformance with CCR, Title 22, Sections 64463.4 and 64465.

10 11 DETERMINATION

12 The Division has determined that the System has failed to comply with primary drinking
 13 water standards pursuant to CHSC, Section 116555 and the nitrate MCL pursuant to
 14 CCR, Title 22, Section 64431.

15 16 DIRECTIVES

17 To ensure that the water supplied by the System is at all times safe, wholesome,
 18 healthful, and potable, the System is hereby directed to take the following actions:

- 19
 20 1. By **May 1, 2024**, comply with CCR, Title 22, Section 64431.
 21
 22 2. Quarterly sampling for nitrate from Well (CA3601089_001_001) must begin by
 23 December 31, 2021, and must continue every three months thereafter. The
 24 analytical results of the samples must be submitted electronically to the Division,

1 by the laboratory, that conducts the analysis, no later than the tenth day of the
2 month following completion of the analyses.

3
4 3. Monthly public notification to the customers of the System must begin by
5 November 1, 2021 and continue monthly until the Division determines that the
6 nitrate contamination is resolved. Public Notification must be conducted in
7 conformance with CCR, Title 22, Sections 64463.1 and 64465. Appendix 1:
8 Notification Template shall be used to fulfill this Directive, unless otherwise
9 approved by the Division.

- 10
- 11 • Public notification for new customers must be conducted in conformance
12 with CCR, Title 22, Section 64463(e) where the System must give new
13 customers a copy of the most recent public notice prior to or at any time
14 service begins.
 - 15
 - 16 • Monthly public notification must be provided every month even when a
17 nitrate result shows a concentration below the nitrate MCL. The notice must
18 be updated to include the following wording:

19
20 *“Although the nitrate level(s) during the most recent monitoring period*
21 *showed results below the MCL, nitrate levels in the water tend to fluctuate*
22 *and it is possible that the nitrate level may increase at any time between*
23 *sampling events. Public notification will continue until the nitrate problem is*
24 *resolved.”*

25

26 4. Complete Appendix 2: Certification of Completion of Notification Form. Submit it
27 together with a copy of the public notification required by Directive No. 3, to the
28 Division within 10 days following each public notification. The first certification of
29 completion of public notification form is due by January 10, 2021.

- 1
- 2 5. Prepare a Corrective Action Plan for Division approval, identifying improvements
- 3 to the water system designed to correct the water quality problems identified as
- 4 an exceedance of the nitrate MCL and ensure that the System delivers water to
- 5 consumers that meets primary drinking water standards. The plan must include
- 6 a time schedule for completion of each of the phases of the project, such as
- 7 design, construction, and startup, and a date that shows when the System will
- 8 be in compliance with the nitrate MCL. The date must be no later than **May 1,**
- 9 **2024.**
- 10
- 11 6. By **March 31, 2021**, submit the Corrective Action Plan required under Directive
- 12 No. 5 above, to the Division office located at:
- 13
- 14 County of San Bernardino – Environmental Health Services
- 15 385 N. Arrowhead Ave, 2nd floor
- 16 San Bernardino, CA 92415
- 17
- 18 7. Perform the Division approved Corrective Action Plan, and each and every
- 19 element of said plan, according to the time schedule set forth therein.
- 20
- 21 8. By **November 30, 2021**, the System must submit an updated operations plan
- 22 pursuant to Section 64600 to minimize use of the nitrate contaminated source.
- 23
- 24 9. By **October 31, 2021** and every month thereafter, the System must record the
- 25 monthly production of all sources, and submit a running report of the monthly
- 26 production from each source to the Division.
- 27
- 28 10. By **January 10, 2022** and every three months thereafter, submit a report to the
- 29 Division in the form provided as Appendix 3 showing actions taken during the

1 previous quarter (calendar three months) to comply with the Corrective Action
2 Plan.

3
4 11. By **May 1, 2024**, demonstrate to the Division that the water delivered by the
5 System complies with the Nitrate MCL.

6
7 12. Notify the Division in writing no later than five (5) days prior to the deadline for
8 performance of any Directive set forth herein if the System anticipates it will not
9 timely meet such performance deadline.

10
11 13. By **October 31, 2021** complete and return to the Division the "Notification of
12 Receipt" form attached to this Order as Appendix 5. Completion of this form
13 confirms that the System has received this Order and understands that it
14 contains legally enforceable directives with due dates.

15
16 All submittals required by this Order, unless otherwise specified in the directives above,
17 must be electronically submitted to the Division at the following address. The subject
18 line for all electronic submittals corresponding to this Order must include the following
19 information: Water System name and number, compliance order number and title of
20 the document being submitted.

21
22 Noah Hamm, REHS

23 Noah.Hamm@dph.sbcounty.gov
24

25 The Division reserves the right to make modifications to this Order that it may deem
26 necessary to protect public health and safety. Such modifications may be issued as
27 amendments to this Order and shall be effective upon issuance.
28

1 Nothing in this Order relieves the System of its obligation to meet the requirements of
2 the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with
3 Section 116270), or any regulation, standard, permit or order issued or adopted
4 thereunder.

5 6 **PARTIES BOUND**

7 This Order shall apply to and be binding upon the System, its owners, shareholders,
8 officers, directors, agents, employees, contractors, successors, and assignees.

9 10 **SEVERABILITY**

11 The directives of this Order are severable, and the System shall comply with each and
12 every provision thereof notwithstanding the effectiveness of any provision.

13 14 **FURTHER ENFORCEMENT ACTION**

15 The California SDWA authorizes the Division, pursuant to authority delegated by the
16 State Water Board, to issue a citation or order with assessment of administrative
17 penalties to a public water system for violation or continued violation of the
18 requirements of the California SDWA or any regulation, permit, standard, citation, or
19 order issued or adopted thereunder including, but not limited to, failure to correct a
20 violation identified in a citation or compliance order. Pursuant to its delegated
21 authority, the California SDWA also authorizes the Division to take action to suspend or
22 revoke a permit that has been issued to a public water system if the public water
23 system has violated applicable law or regulations or has failed to comply with an order
24 of the Division, and to petition the superior court to take various enforcement measures
25 against a public water system that has failed to comply with an order of the Division.
26 The Division does not waive any further enforcement action by issuance of this Order.

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October 20, 2021

Noah Hamm, REHS
Environmental Health Specialist
Land Use Protection Program
Division of Environmental Health Services

Date

Appendices 4:

1. Notification Template
2. Certification of Completion of Public Notification
3. Quarterly Progress Report
4. Notification of Receipt Form

Certified Mail No. 7019 1120 0000 7119 8856

APPENDIX 1. NOTIFICATION TEMPLATE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

DRINKING WATER WARNING

Gen American Trans Corp has high levels of nitrate

**DO NOT GIVE THE WATER TO
INFANTS UNDER 6 MONTHS OLD OR PREGNANT WOMEN
OR USE IT TO MAKE INFANT FORMULA**

Water sample results received [Date] showed nitrate levels of [level and units]. This is above the nitrate standard, or maximum contaminant level (MCL), of 10 milligrams per liter. Nitrate in drinking water is a serious health concern for infants less than six months old.

What should I do?

- **DO NOT GIVE THE WATER TO INFANTS.** *Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. Symptoms in infants can develop rapidly, with health deteriorating over a period of days. If symptoms occur, seek medical attention immediately.*
- **PREGNANT WOMEN SHOULD NOT CONSUME THE WATER.** *High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.*
- Water, juice, and formula for children under six months of age should not be prepared with tap water. Bottled water or other water low in nitrates should be used for infants until further notice.
- **DO NOT BOIL THE WATER.** Boiling, freezing, filtering, or letting water stand does not reduce the nitrate level. Excessive boiling can make the nitrates more concentrated, because nitrates remain behind when the water evaporates.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Nitrate in drinking water can come from natural, industrial, or agricultural sources (including septic systems, storm water run-off, and fertilizers). Levels of nitrate in drinking water can vary throughout the year. We will let you know if the amount of nitrate is again below the limit.

[Describe corrective action, seasonal fluctuations, and when system expects to return to compliance.]

For more information, please contact Wally (Md) Waliullah at 909-777-5105.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Gen American Trans Corp (GATX Corporation).

State Water System ID#: 3601089. Date distributed: _____.

APPENDIX 2
CERTIFICATION OF COMPLETION OF PUBLIC NOTIFICATION

Compliance Order Number: 05_66_21R_077

Name of Water System: Gen American Trans Corp (GATX Corporation)

System Number: 3601089

Attach a copy of the public notice distributed to the water system's customers.

This form, when completed and sent to sbcwater123@gmail.com for the County of San Bernardino – Environmental Health Services, 385 N. Arrowhead Ave, 2nd Floor, San Bernardino, CA 92415, serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public notification for failure to comply with the Nitrate MCL was conducted on:

Notification was made on _____ (date).

For the month, year of _____, _____.

To summarize report delivery used and good-faith efforts taken, please check all items below that apply and fill-in where appropriate:

For Community and non-transient non-community public water systems

The notice was distributed by mail or direct delivery to each customer on: _____

One or more of the following methods were used to reach persons not likely to be reached by a mailing or direct delivery or persons served by a transient public water system (renters, nursing home patients, prison inmates, etc.):

Posted the notice at the following conspicuous locations served by the water system. (If needed, please attach a list of locations). _____

Publication of the notice in a local newspaper or newsletter of general circulation (attach a copy of the published notice, including name of newspaper and date published).

Posted the notice on the Internet at www. _____

Other method used to notify customers. _____

I hereby certify that the above information is factual.

Certified by: Printed Name _____ Title _____

Signature _____

Date _____

Disclosure: Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than \$25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.

APPENDIX 3: QUARTERLY PROGRESS REPORT

Water System: Gen American Trans Corp	Water System No: 3601089
Compliance Order No: 05_66_21R_077	Violation: Nitrate MCL
Calendar Quarter:	Date:

This form should be prepared and signed by Gen American Trans Corp personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress report must be submitted by the 10th day of each subsequent quarter, to the Division to the following email address: sbcwater123@gmail.com titled appropriately.

Summary of Compliance Plan:**Tasks completed in the reporting quarter:****Tasks remaining to complete:**

Anticipated compliance date:

Printed Name

Signature

Title

Date

APPENDIX 4- NOTIFICATION OF RECEIPT

Compliance Order Number: 05_66_21R_077

Name of Water System: Gen American Trans Corp (GATX Corporation)

System Number: 3601089

Certification

I certify that I am an authorized representative of the Gen American Trans Corp (GATX Corporation) and that Compliance Order No. 05_66_21R_077 was received on _____ . Further, I certify that the Order has been reviewed by the appropriate management staff of the Gen American Trans Corp (GATX Corporation) and it is clearly understood that Compliance Order No. 05_66_21R_077 contains legally enforceable directives with specific due dates.

Signature of Water System Representative

Date

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DIVISION OF ENVIRONMENTAL HEALTH SERVICES, NO LATER THAN OCTOBER 31, 2021

Disclosure: Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than \$25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.

EXHIBIT C

PLAN FOR SERVICE
FOR
REQUEST FOR ANNEXATION
TO WEST VALLEY WATER DISTRICT
FOR
GATX
20878 SLOVER AVENUE
COLTON CA 92324

The GATX property is an approximately 34-acre site located on the northeast corner of Slover Avenue and Pepper Avenue, within the unincorporated area of the City of Colton. Operations at GATX consist of cleaning and maintaining rail cars that are leased to other entities. GATX currently draws water from an on-site well. Due to the current quality of the water being drawn from the on-site well GATX would like to disconnect from the well and is requesting to annex to West Valley Water District where they could be provided with potable and fire water.

Service to be provided to the GATX Property

West Valley Water District, WVWD currently has an existing 24-inch water main in Slover Avenue and a 24-inch main in Pepper Avenue (West). The two water mains are connected at the intersection of the two avenues. There are two separate roadway surfaces within the Pepper Avenue Right of Way which are divided by an earth median. The existing 24-inch water main is in the westerly roadway and the GATX property fronts on the easterly roadway. To serve the GATX site, a proposed 12-inch water line will be connected to the existing 24-inch water line and extend easterly in Slover Avenue and northerly in the easterly alignment of Pepper Avenue. From the 12-inch line there will be a proposed 4-inch potable water service with a 4-inch meter, and a 12-inch fire service with a 10-inch DCDA. See Exhibit "A", GATX Site Plan, showing the location of the existing WVWD water lines and the proposed water improvements.

Proposed Water Improvements

The proposed improvements for services to the GATX property include a connection to the existing 24-inch water main at the intersection of Pepper Avenue and Slover Avenue. The 12-inch diameter water main will extend easterly in Slover Avenue approximately 32.5 feet and northerly in Pepper Avenue approximately 131.5-feet. At the northerly end of the 12-inch main there are two proposed services, a 4-inch potable service with a 4-inch meter and backflow preventer and a 12-inch fire service with a 10-inch DCDA, which will provide water and fire water to the GATX property.

The Water Improvement Plans for the extension of the West Valley Water District have been prepared and approved by the District. A copy of the approved plans is attached to this report. The estimated construction date for the proposed water main and services is June 2023.

The property owner, GATX, is responsible for hiring a District Approved Contractor for the installation and connection of the proposed water main and services to the West Valley Water District water system. The costs of improvements and financing are borne by the property owner. The property owner is also responsible for obtaining an encroachment permit from the City of Colton prior to construction within Pepper Avenue and Slover Avenue.

Below is an estimated construction cost for the proposed water improvements.

<i>Description of Fees/Charges</i>	<i>Quantity</i>	<i>Unit Cost</i>	<i>Total</i>
12-inch Ductile Iron Pipe Fully Restrained	154 LF	\$300.00	\$46,200.00
4-inch Potable Water Service w 4-inch Meter	1 EA	\$2,200.00	\$2,200.00
4-inch Back Flow Preventer	1 EA	\$3,900.00	\$3,900.00
12-inch Fire Line Service	1 EA	\$3,600.00	\$3,600.00
10-inch DCA	1 EA	\$14,000.00	\$14,000.00
Pavement Trench and Repair	185 LF	\$30.00	\$5,550.00
Connection to Existing Main	1 EA	\$1,200.00	\$1,200.00
12-inch Blind Flange and Restrained Joint	1 EA	\$700.00	\$700.00
2-inch Air Valve Assembly	1 EA	\$1,800.00	\$4,600.00
Fire Hydrant Assembly	1 EA	\$3,600.00	\$3,600.00
Total Costs			\$85,550.00

Five (5)-year projection of revenues and expenditures

A five (5)-year projection of revenues and expenditures, including a narrative discussion of the sufficiency of revenues for anticipated extensions and operations, will be prepared by West Valley Water District.

An indication of whether the annexing territory is, or will be, proposed for inclusion within an existing or proposed improvement zone/district, redevelopment area, assessment district, or community facilities district.

No, this area is not part of an improvement zone, community facilities district or redevelopment area.

If retail water service is to be provided through this change, provide a description of the timely availability of water for projected needs within the area based upon factors identified in Government Code Section 65352.5 (as required by Government Code Section 56668(k)).

The District is capable of providing water service to the area. The initiation of water service to the site shall be contingent upon the “availability of water” as determined by the District at its sole discretion and in accordance with the prevailing rules, regulations and ordinances of the District in effect at the time that the water service is scheduled to commence. In addition, the district shall not be responsible for conditions that are beyond the District’s control such acts of God, federal, state or county regulatory agency requirements or decisions, or legal actions initiated by other.

2078 Slover Ave, Colton - GATX 5-Year Financial Projection

	Year 1	Year 2	Year 3	Year 4	Year 5	
4" Meter						
Service Charge	\$ 128.56	\$ 128.56	\$ 128.56	\$ 128.56	\$ 128.56	annual recurring charge
Backflow Charge	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	annual recurring charge
Deposit for Valve Box Recovery/valve:	\$ 120.00	\$ -	\$ -	\$ -	\$ -	one time development fee
Capacity Charges/lot: 4" meter	\$ 219,865.00	\$ -	\$ -	\$ -	\$ -	one time development fee
Commercial Service Deposit/Meter	\$ 140.00	\$ -	\$ -	\$ -	\$ -	one time development fee
Meter Only Charge : 4" meter	\$ 4,219.64	\$ -	\$ -	\$ -	\$ -	one time development fee
Inspection Fee of Meters Before & After Installation	\$ 40.00	\$ -	\$ -	\$ -	\$ -	one time development fee
4" Meter Annual Cost	\$ 224,516.04	\$ 131.40	\$ 131.40	\$ 131.40	\$ 131.40	
10" Fire Service						
Service Charge	\$ 105.40	\$ 105.40	\$ 105.40	\$ 105.40	\$ 105.40	annual recurring charge
Backflow Charge	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	annual recurring charge
Deposit for Valve Box Recovery/valve:	\$ 120.00	\$ -	\$ -	\$ -	\$ -	one time development fee
Capacity Charges/fire service: 10"	\$ 62,217.00	\$ -	\$ -	\$ -	\$ -	one time development fee
Fire Service Deposit/Meter	\$ 140.00	\$ -	\$ -	\$ -	\$ -	one time development fee
District Inspection Fee-Meter/Fire Service	\$ 300.00	\$ -	\$ -	\$ -	\$ -	one time development fee
10" Fire Service Annual Cost	\$ 62,885.24	\$ 108.24	\$ 108.24	\$ 108.24	\$ 108.24	

Total Annual Cost for GATX	\$ 287,401.28	\$ 239.64	\$ 239.64	\$ 239.64	\$ 239.64
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Certification

West Valley Water District hereby certifies that this document presents the data and information related to water services required for the Plan for Service for the GATX Corporation Annexation (APN 0254-192-02), and that the facts, statements, and information presented herein are true and correct to the best the District's knowledge and belief.

West Valley Water District has reviewed and approved the proposed boundary revisions and has provided their signature below.

By:

Van Jew, Acting General Manager

West Valley Water District

Date: _____

EXHIBIT "A"
GATX SITE PLAN
AND LOCATION OF INFRASTRUCTURE TO BE EXTENDED

LAFCO _____
Annexation to the West Valley Water District
(GATX Annexation)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

THAT PORTION OF FARM LOT 231 LYING SOUTH OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD COMPANY AND ALL OF LOT 246, ACCORDING TO MAP OF THE TOWN OF RIALTO AND ADJOINING SUBDIVISIONS, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 4, PAGE 11, OF MAPS, RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE ORIGINAL CENTERLINE OF PEPPER AVENUE AND THE CENTERLINE OF SLOVER AVENUE, SAID POINT BEING THE INTERSECTION OF PEPPER AVENUE (CL SURVEY) AND SLOVER AVENUE AS SHOWN ON RECORD OF SURVEY 18-0143, FILED IN BOOK 166, PAGES 2 THROUGH 5, OF RECORDS OF SURVEY, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY;

FROM THE POINT OF BEGINNING:

COURSE 1. NORTH 00°25'54" WEST ALONG THE ORIGINAL CENTERLINE OF PEPPER AVENUE, 1208.21 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY OF SOUTHERN PACIFIC TRANSPORTATION COMPANY (UNION PACIFIC RAILROAD);

COURSE 2. SOUTH 76°56'59" EAST ALONG SAID RIGHT OF WAY, 610.84 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 5832.37 FEET;

COURSE 3. EASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 06°55'40" AN ARC DISTANCE OF 705.20 FEET TO A POINT ON THE CENTERLINE OF MERIDIAN STREET;

COURSE 4. SOUTH 00°39'40" WEST ALONG SAID CENTERLINE, 943.11 FEET TO THE CENTERLINE OF SLOVER AVENUE;

COURSE 5. SOUTH 89°33'22" WEST ALONG SAID CENTERLINE, 1270.05 FEET TO THE POINT OF BEGINNING.

CONTAINING 31.20 ACRES, MORE OR LESS.

THIS LEGAL DESCRIPTION WAS PREPARED BY ME OR UNDER MY DIRECTION.



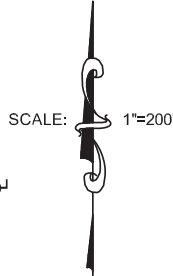
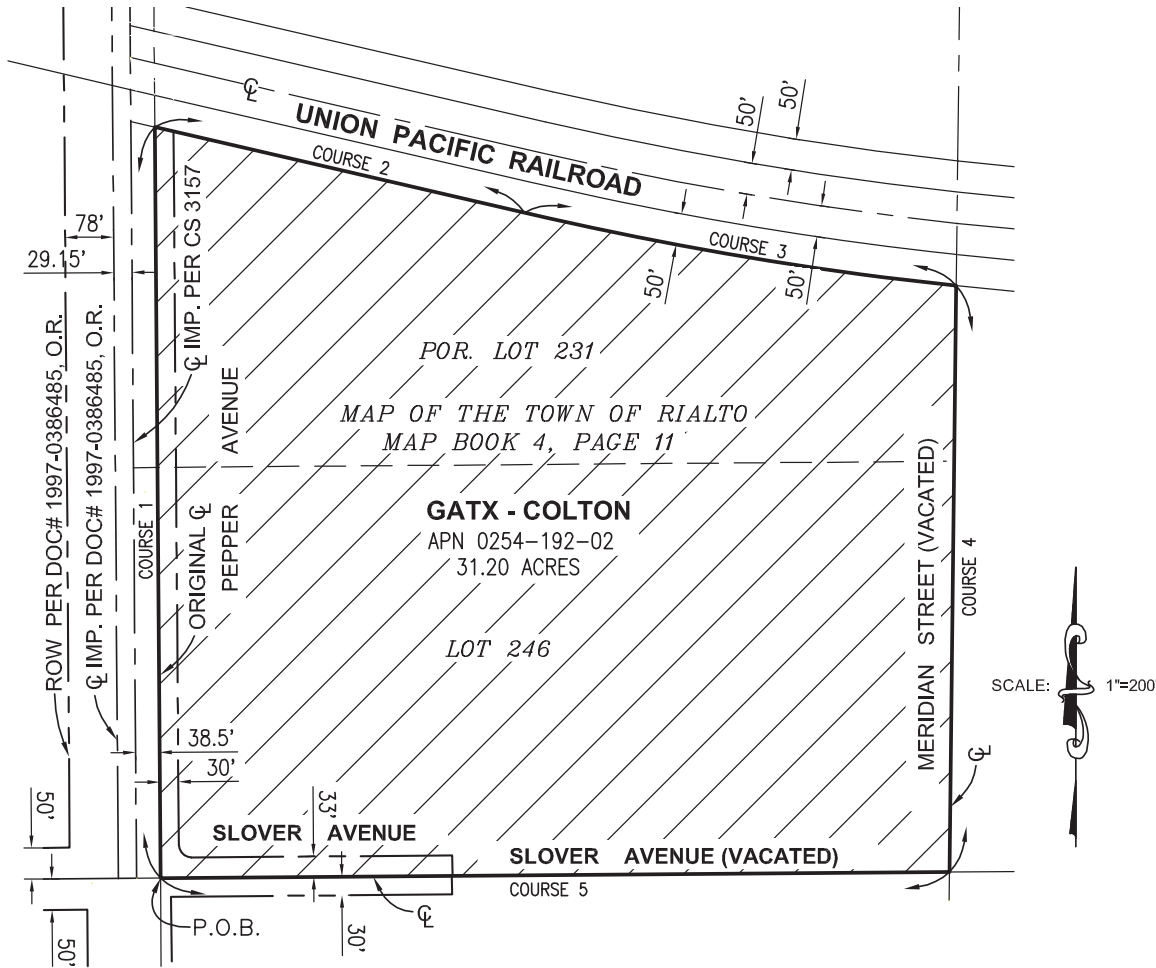
Carla Berard

CARLA E. BERARD, P.L.S. 7224 11/10/21 DATE



LAFCO
 West Valley Water District Annexation
 (GATX Annexation)

GENERAL DESCRIPTION
 Located at the Northeast Corner of Pepper Avenue and Slover Avenue



COURSE TABLE

COURSE	BEARING	DELTA	RADIUS	LENGTH
COURSE 1	N00°25'54"W	-	-	1208.21'
COURSE 2	N76°56'59"W	-	-	610.84'
COURSE 3	-	06°55'40"	5832.37'	705.20'
COURSE 4	N00°39'40"E	-	-	943.11'
COURSE 5	N89°33'22"E	-	-	1270.05'

LEGEND

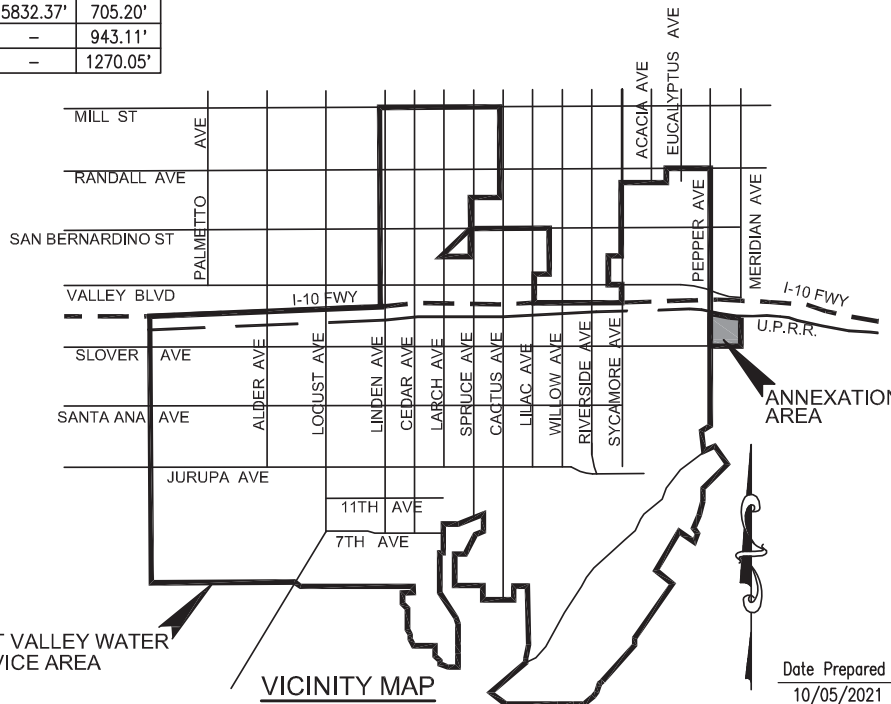
= ANNEXATION AREA
 ANNEXATION AREA = 31.20 ACRES

Affected District
 West Valley Water District
 855 West Base Line Road
 Rialto CA 92376
 (909) 875-1804



LCKING

Engineers/Surveyors
 975 N. Haven Avenue
 Suite 200
 Ontario, CA 91764
 Phone: (909) 945-0526



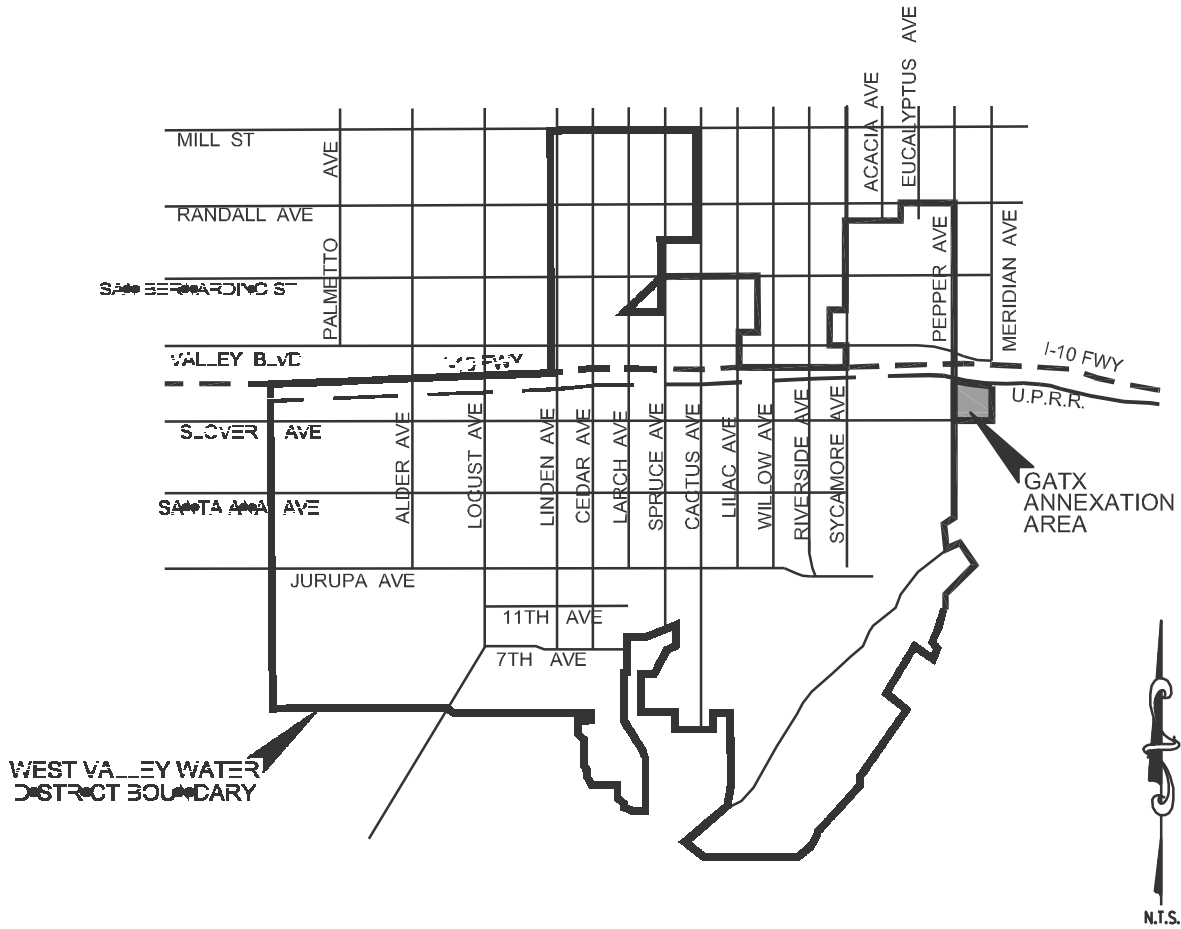
Date Prepared
 10/05/2021

E:\700-799\738-GATX\0738-002\LAFCO Map\73802 LAFCO Map.dwg - Plotted: Oct 14, 2022 - 8:47am

GATX
 JN 738002

EXHIBIT "B"

PORTION OF WEST VALLEY WATER DISTRICT ADJACENT TO GATX PROPERTY



LDKING
 Engineers Surveyors
 375 N. Haven Avenue
 Suite 200
 Orange, CA 92764
 Phone: (949) 345-3528

Date Prepared
 10/08/2021

E:\700-799\738-GATX\0738-002\LAFCC\WWWD Boundary Map.dwg, Plotted: Jan 28, 2022 - 9:42am

WATER IMPROVEMENT PLANS FOR GATX 20878 SLOVER AVENUE COLTON, CA 92324 APN: 0254-192-02

WATER LINE CONSTRUCTION NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND WATER UTILITIES AND WEST VALLEY WATER DISTRICTS STANDARDS FOR DOMESTIC WATER PIPING.
2. THE CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE WEST VALLEY WATER DISTRICT AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
3. THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS CONCERNING USE OF SHALL BE STRICTLY ENFORCED DURING THE ENTIRE LIFE OF THE CONTRACT. A CALIFORNIA EROSION PERMIT SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
4. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE DISTRICT AND DEFENDING IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, INCLUDING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR CONTRACTOR.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM CONSTRUCTION OPERATIONS.
6. THE CONTRACTOR SHALL UNCOVER, PORTHOLE AND VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-271-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK.
7. WITH THE EXISTING UTILITY LINES, ALL BANS AND GRADES SHALL BE PLACED IN A MANNER SATISFACTORY TO THE INSPECTOR AND IN ACCORDANCE WITH THE DISTRICT STANDARDS. ALL BANS SHALL BE GRANULAR MATERIAL WITH A MINIMUM SAND EQUIPMENT OF 30.
8. IN-PACE INSTALLATION SHALL BE COMPLETED WITHIN 10 BUSINESS DAYS OF THE DATE OF CONTRACT SIGNATURE. ALL INTERMEDIATE WORK SHALL BE COMPACTED TO 80% RELATIVE COMPACTION.
9. COMPACTION TESTS SHALL BE REQUIRED FOR ALL REAR BACKFILL PER REQUIREMENTS OF ANY AGENCY HAVING JURISDICTION.
10. THE CONTRACTOR SHALL REPLACE IN KIND, TO THE SATISFACTION OF THE INSPECTOR AND/OR AGENCY HAVING JURISDICTION THEREOF, ANY ROAD OR DRIVEWAY DAMAGED IN CONNECTION WITH THIS PROJECT.
11. PIPE DELIVERED TO THE SITE SHALL BE PROTECTED BY THE CONTRACTOR FROM THE DISTRICT'S INSPECTOR. THE CONTRACTOR, AT THE END OF EACH DAY, SHALL UNCOVER, PORTHOLE AND VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-271-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK.
12. ALL WORK SHALL BE INSPECTED BY THE WEST VALLEY WATER DISTRICT OR ITS DULY AUTHORIZED AGENT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY UNLIMITED AND APPROVED. INSPECTION SHALL BE MADE OF, BUT IS NOT LIMITED TO, THE FOLLOWING: TRENCHING, INSTALLATION OF PIPE AND APPURTENANCES, VALVES, FITTINGS, METERS, MANHOLETS, BOLLARDS, COMPACTION, LEAKAGE, SETTLEMENTS, AND BACKFILL.
13. THE CONTRACTOR SHALL COMPLY WITH ALL CITY ORDINANCES AND ALL CITY INSPECTIONS OR ENGINEERING ADJUSTMENTS BECOME NECESSARY AS SET FORTH IN THE STANDARD SPECIFICATIONS.
14. THE CONTRACTOR SHALL COMPLY WITH ALL CITY ORDINANCES AND ALL CITY INSPECTIONS OR ENGINEERING ADJUSTMENTS BECOME NECESSARY AS SET FORTH IN THE STANDARD SPECIFICATIONS.
15. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY TRENCHING TO EXISTING UTILITIES.
16. COMPLIANCE WITH DISTRICT'S STANDARD DRAWING "W-4" INSPECTOR SHALL DETERMINE IF ADDITIONAL THIRST BLOCKS OR RESTRAINTS WILL BE NEEDED IN FIELD.
17. AN AIR RELEASE VALVE SHALL BE INSTALLED AT EVERY HIGH POINT IN THE SYSTEM.
18. A VALVE BOX AND COVER SHALL BE INSTALLED AT EACH VALVE WHICH IS SET IN THE GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING VALVE BOXES TO GRADE AFTER FINAL GRADING OR PAVING OPERATION.
19. ALL VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE DISTRICT'S STANDARD DRAWING "W-4" INSPECTOR SHALL DETERMINE IF ADDITIONAL THIRST BLOCKS OR RESTRAINTS WILL BE NEEDED IN FIELD.
20. ALL NEW WATER FACILITY IMPROVEMENTS SHALL BE TESTED AND DISINFECTED PRIOR TO INSTALLATION. TEMPORARY BOLLARDS SHALL BE REMOVED FOR PRESSURE TESTING.
21. PIPE 20" AND SMALLER SHALL BE CLASS 300 DUCTILE IRON PIPE WITH FULLY RESTRAINED JOINTS. PIPE 24" AND LARGER SHALL BE THICKNESS CLASS 150, 10 OR LIGHTER WEIGHT LINED AND COATED STEEL PIPE OR AS SPECIFIED. DIAMETER SHALL BE PERMANENTLY MARKED AT 10' INTERVALS.
22. WITH 1" X 1" ANGLE VALVES WITH LOCK WING ON LOTS, THERE SHALL BE A TRENCH. ALL SERVICE VALVES SHALL BE CAPABLE OF 360 DEGREE TURN (LESS STOP).
23. WATER SERVICE VALVES SHALL BE CAPABLE OF 90 DEGREE TURN, UP AS MANY AS TWO (2) PER SERVICE LINE.
24. WATER SERVICE LATERALS SHALL BE TERMINATED 12" BEHIND REAR OF FUTURE CURB. IN CITY LIMITS TERMINATE 12" BEHIND FUTURE SIDEWALK.
25. WATER SERVICE LATERALS SHALL BE PAINTED WITH ONE COAT YELLOW. THE 4" STAMPER OUTLET SHALL BE PERPENDICULAR TO THE CURB OR FUTURE CURB.
26. WITH 1" ANGLE VALVES WITH LOCK WING ON LOTS, THERE SHALL BE A TRENCH. ALL SERVICE VALVES SHALL BE CAPABLE OF 360 DEGREE TURN (LESS STOP).
27. WATER SERVICE IS SUBJECT TO THE CURRENT DISTRICT RULES AND REGULATIONS AND ANY AMENDMENTS THERETO.

CORROSION PROTECTION NOTES FOR PVC PIPING

1. CORROSION PROTECTION IS REQUIRED FOR BURIED METALLIC COMPONENTS ON PVC PIPE.
2. ALL BURIED METALLIC COMPONENTS, I.E., VALVES, FLANGES, TRANSITION COUPLINGS AND DUCTILE IRON CROSSES, TEES, ELBOWS AND COUPLINGS SHALL BE WRAPPED WITH PERIOLIN WRAP TYPE PER ANM C-27.
3. COPPER TUBING SERVICE LATERALS SHALL BE ENCASED IN A 3-INCH (MINI) ENVELOPE OF CLEAN SAND.
4. BURIED METALLIC COMPONENTS SHALL BE ENCASED IN A 3-INCH (MINI) ENVELOPE OF CLEAN SAND.
5. BURIED METALLIC COMPONENTS SHALL BE ENCASED IN A 3-INCH (MINI) ENVELOPE OF CLEAN SAND.
6. BURIED METALLIC COMPONENTS SHALL BE ENCASED IN A 3-INCH (MINI) ENVELOPE OF CLEAN SAND.

DESIGN

THE SPECIES THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN DESIGNED UNDER THE DIRECT SUPERVISION OF A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA AND WHO HAS ACCEPTED THESE PLANS AND SPECIFICATIONS UNDER CHAPTER 16, CALIFORNIA WATERWORKS STANDARDS OF THE STATE OF CALIFORNIA.

DATE: 10/14/22
 PROJECT NO.: 9/20/24
 DATE: 10/14/22

FIRE

FIRE PROTECTION SYSTEM REVIEWED AND APPROVED BY:

NAME OF AGENCY

SIGNATURE OF THE AGENCY PERSONNEL SIGNING BELOW

SIGNATURE OF THE AGENCY

TITLE

DATE

TITLE

DATE

TITLE

ENGINEER'S NOTICE TO CONTRACTORS

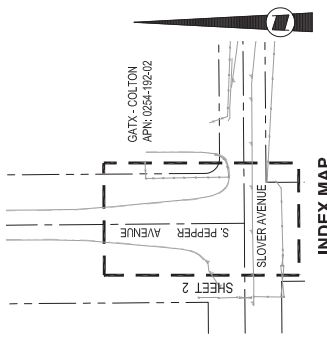
THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. LOCATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE DISTRICT AND DEFENDING IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, INCLUDING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR CONTRACTOR.



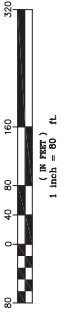
CONTRACTOR AGREES THAT IN CONNECTION WITH THESE PLANS AND SPECIFICATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE DISTRICT AND DEFENDING IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, INCLUDING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR CONTRACTOR.

WATER LINE CONSTRUCTION NOTES (CONT.)

28. IF CONSTRUCTION HAS NOT COMMENCED WITHIN TWO (2) YEARS OF THE DISTRICT APPROVAL DATE, THIS PLAN SHALL BE RESUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
29. ANY CUTTERS TO BE INSTALLED ONLY AFTER THE COMPLETION OF CONCRETE CURB.
30. CONTRACTOR TO FURNISH 2-YEAR WARRANTY BOND FOR ALL WATER FACILITIES INSTALLED WITH THIS PLAN.
31. ALL DUCTILE IRON PIPE SHALL BE RESTRAINED PER DISTRICT STANDARD W-30.
32. ALL DUCTILE IRON JOINTS, BENDS, AND FITTINGS SHALL BE MECHANICALLY RESTRAINED AS INDICATED ON THE PLANS.
33. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-271-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK.
34. RECEIVED AND APPROVED BY THE DISTRICT.
35. ALL WORK SHALL BE COMPLETED PER THE DISTRICT APPROVED PLAN ANY APPROVALS SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THESE PLANS MUST FIRST BE APPROVED BY THE DISTRICT BEFORE COMMENCING.
36. ALL WATER MAIN SEPARATION CRITERIA SHALL COMPLY WITH TITLE 22, CHAPTER 15.100, CALIFORNIA REGULAR WATER QUALITY CONTROL BOARD (UNION OF IRRAWADDI WATER (UOW)) REQUIRES A WAIVER FOR ALL INSTALLATIONS SERVING A COMMUNITY WATER SUPPLY SYSTEM. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-271-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK. ALL WORK SHALL BE COMPLETED PER THE DISTRICT APPROVED PLAN ANY APPROVALS SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THESE PLANS MUST FIRST BE APPROVED BY THE DISTRICT BEFORE COMMENCING.



GRAPHIC SCALE



CONSTRUCTION NOTES ESTIMATED QUANTITIES

1	EXCAVATION 12" D.I.P. CLASS 350 WITH FULLY RESTRAINED JOINTS AND TRENCH PAVING / BACKFILL AND FINISH PER WWD STD. DMC. NO. W-30 AND W-1	164 LF.
2	INSTALL 24" X 12" D.I.P. 90' REDUCING ELBOW PER WWD STD. DMC. NO. W-30	1 EA.
3	INSTALL 12" D.I.P. 90' BEND	1 EA.
4	INSTALL FIRE PROHIBIT PER WWD STD. DMC. NO. W-2	1 EA.
5	INSTALL 12" D.I.P. FIRE SERVICE LATERAL PER WWD STD. DMC. NO. W-28	1 EA.
6	INSTALL 12" D.I.P. FIRE SERVICE ASSEMBLY PER WWD STD. DMC. NO. W-9	1 EA.
7	INSTALL 4" WATER SERVICE WITH 4" WATER PER WWD STD. DMC. NO. W-6A	1 EA.
8	INSTALL 4" AIR VALVE ASSEMBLY PER WWD STD. DMC. NO. W-6A	1 EA.
9	INSTALL 4" BACKFLOW PREVENTER PER WWD STD. DMC. NO. W-20	1 EA.
10	INSTALL 12" BOND FLANGE AT THROAT TEE	1 EA.

OWNERS/DEVELOPERS

GATX
 15300 SLOVER AVENUE
 COLTON, CALIFORNIA 92324
 (951) 863-3043

BENCH MARK

EXISTING EDGE OF PAVEMENT
 EXISTING 4" BERM
 EXISTING BRIGHT OF WAY
 STREET CENTER LINE
 EXISTING WATER LINE
 PROPOSED WATER LINE
 EXISTING GATE VALVE
 PROPOSED REDUCER
 PROPOSED AIR VALVE ASSEMBLY

NOTE:

CONTRACTOR SHALL PORTHOLE EXISTING PIPE TO VERIFY LOCATION & DEPTH OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-271-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK. THE IMPROVEMENT PLAN ADJUSTMENTS MAY BE NECESSARY TO MEET THE EXISTING CONDITION.

SHEET INDEX

SHEET 1 - PLAN & PROFILE SLOVER AND S. PEPPER AVENUE STA. 10+00.00 TO 11+44.00
 SHEET 2 - PLAN & PROFILE SLOVER AND S. PEPPER AVENUE STA. 10+00.00 TO 11+44.00



WEST VALLEY WATER DISTRICT WATER IMPROVEMENT PLANS FOR 20878 SLOVER AVENUE COLTON, CA 92324

DESIGNED BY	DATE	SCALE	CHECKED BY	DATE	APPROVED BY
		AS SHOWN			



LDKING
 L.D. KING, INC.
 1000 AVENUE GATE 600
 ONTARIO, CA 91764 (909) 945-0256

PROJECT ZONE: ZONE 2
 MAPS SHEET: NIS
 WWP NUMBER: DE2018

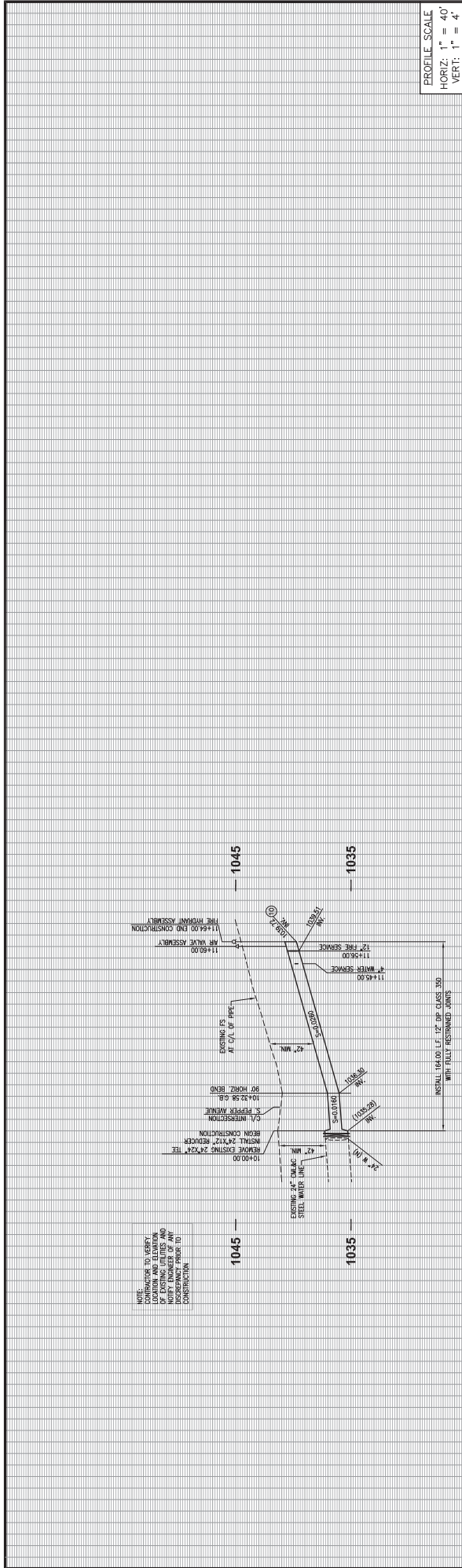
DATE	BY	REVISION

NO.	BY	DATE	APPROVED

DATE	BY	REVISION

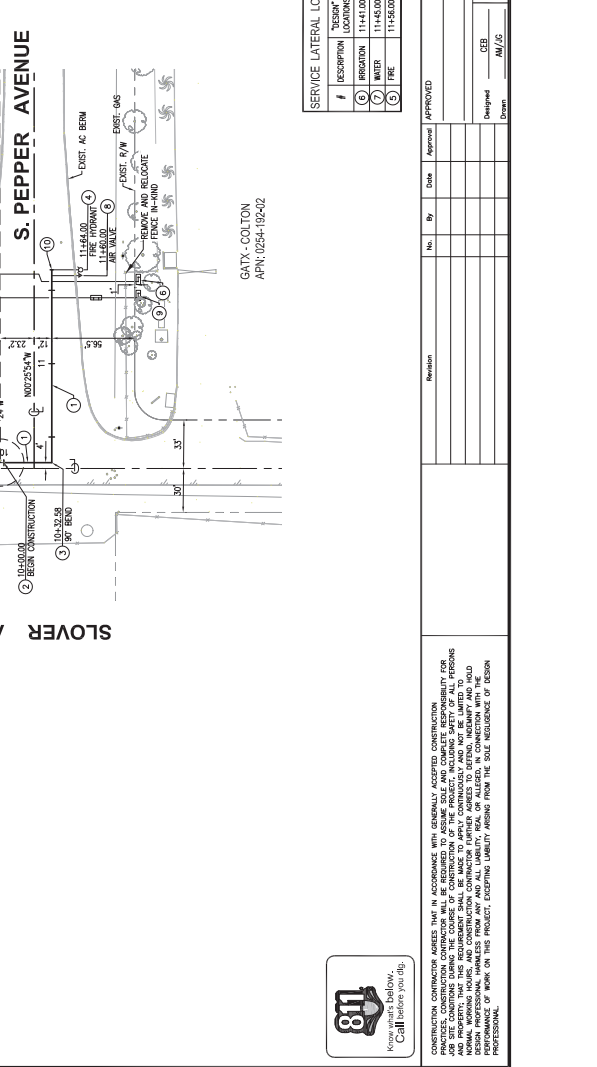
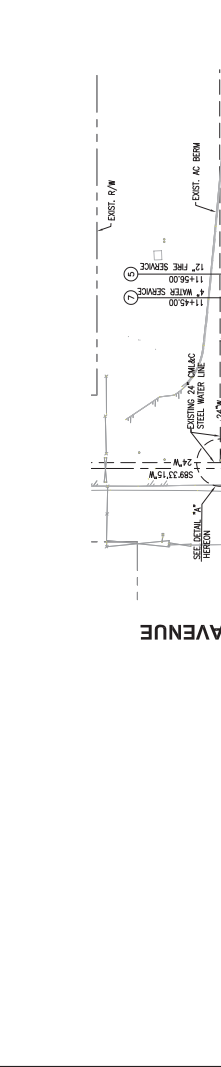
CONTRACTOR AGREES THAT IN CONNECTION WITH THESE PLANS AND SPECIFICATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE DISTRICT AND DEFENDING IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, INCLUDING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR CONTRACTOR.

3.5.c



PROJ. SCALE
HORIZ: 1" = 40'
VERT: 1" = 4'

- CONSTRUCTION NOTES**
- 1 - INSTALL 12" DIP, CLASS 350 WITH FULLY RESTRAINED JOINTS AND TRENCH EXHAUSTION / BACKFILL AND PAVING PER WIND STD. DWG. NO. W-20 AND W-1
 - 2 - INSTALL 24" X 12" O.D. 90' REDUCING ELBOW PER WIND STD. DWG. NO. W-20
 - 3 - INSTALL 12" O.D. 90' BEND
 - 4 - INSTALL FIRE HYDRANT PER WIND STD. DWG. NO. W-2
 - 5 - INSTALL 12" DIP, FIRE SERVICE LATERAL PER WIND STD. DWG. NO. W-25
 - 6 - INSTALL 12" DIP, FIRE SERVICE ASSEMBLY PER WIND STD. DWG. NO. W-15 WITH BOND FLANGE ON END
 - 7 - INSTALL 4" O.D.A. FIRE SERVICE WITH 4" METER PER WIND STD. DWG. NO. W-9
 - 8 - INSTALL 2" AIR VALVE ASSEMBLY PER WIND STD. DWG. NO. W-4
 - 9 - INSTALL 4" BACKFLOW PREVENTER PER WIND STD. DWG. NO. W-50
 - 10 - INSTALL 12" BOND FLANGE AT HYDRANT TEE



WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS FOR
GATX
20878 SLOVER AVENUE COLL

L.D. KING, INC.
L.O. KING, INC.
ONTARIO, CA 91764
PHONE: (909) 945-0506
FAX: (909) 945-0506
WWW: WWW.LDKING.COM

LDKING
Project Zone: ZONE 8
Map Sheet: NSR
WIP Number: DE2018

DESIGNED: AS SHOWN
CHECKED: []
DATE: []

APR. 1054-19242
GATX - COLTON

811
Call before you dig!

CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THE PROJECT.

(FOR LAFCO USE ONLY)

SUPPLEMENT SPHERE OF INFLUENCE AMENDMENT

INTRODUCTION: The questions on this form are designed to obtain data about the specific sphere of influence amendment application to allow the Commission, staff and others to adequately assess the application. You may also include any additional information that you believe is pertinent. Use additional sheets where necessary, and/or include any relevant documents.

1. Please provide an identification of the agencies involved in the proposed sphere of influence change(s):

SPHERE EXPANSION

SPHERE REDUCTION

_West Valley Water District_____

2. Provide a narrative description of the following factors of consideration as outlined in Government Code Section 56425. (If additional room for response is necessary, please attach additional sheets to this form.)

The present and planned land uses in the area, including agricultural and open-space lands.

___ This area is zoned for heavy industrial use and is currently utilized by GATX for railcar maintenance and cleaning. _____

The present and probable need for public facilities and services in the area.

___ The GATX property currently does not have a potable water source to accommodate its domestic, irrigation and fire water needs. It's current source of potable water has exceeded the maximum contaminant level for perchlorate per the San Bernardino County Department of Public Health.

The present capacity of public facilities and adequacy of public services that the agency to be expanded provides or is authorized to provide.

___ The West Valley Water District currently owns and operated a 24" water main at the intersection of Pepper Ave and Slover Ave directly in front of the GATX property. This area

(FOR LAFCO USE ONLY)

of the District is serviced by the Zone 2 pressure system which can adequately supply the domestic, fire and irrigation needs of the site.

The existence of any social or economic communities of interest in the area.

___Bloomington community_____

The present and probable need for public facilities or services related to sewers, municipal and industrial water, or structural fire protection for any disadvantaged unincorporated community, as defined by Govt. Code Section 56033.5, within the existing sphere of influence.

___Non-applicable – the area is not a disadvantaged unincorporated community_____

- 3. If the sphere of influence amendment includes a city sphere of influence change, provide a written statement of whether or not agreement on the sphere change between the city and county was achieved as required by Government Code Section 56425. In addition, provide a written statement of the elements of agreement (such as, development standards, boundaries, zoning agreements, etc.) (See Government Code Section 56425)

___Non- applicable_____

- 4. If the sphere of influence amendment includes a special district sphere of influence change, provide a written statement: (a) specifying the function or classes of service provided by the district(s) and (b) specifying the nature, location and extent of the functions or classes of service provided by the district(s). (See Government Code Section 56425(i))

This request will require a sphere of influence and boundary change for the West Valley Water District. The District will be annexing this property into its service area and provide potable water service to the GATX site. _____

- 5. For any sphere of influence amendment either initiated by an agency or individual, or updated as mandated by Government Code Section 56425, the following service review information is required to be addressed in a narrative discussion, and attached to this supplemental form (See Government Code Section 56430):

- a. Growth and population projections for the affected area.

(FOR LAFCO USE ONLY)

Not applicable – the area is currently designated as industrial.

- b. Location and characteristics of disadvantaged unincorporated communities within or contiguous to the sphere of influence.

Area north of the subject area is considered a disadvantaged unincorporated community.

- c. Present and planned capacity of public facilities and adequacy of public services, including infrastructure needs or deficiencies, including those associated with a disadvantaged unincorporated community.
- d. Financial ability of agencies to provide services.
- e. Status of, and opportunities for, shared facilities.
- f. Accountability for community service needs, including governmental structure and operational efficiencies.

To address a current need for water service for the area.

If additional sheet are submitted or a separate document provided to fulfill Item #5, the narrative description shall be signed and certified by an official of the agency(s) involved with the sphere of influence review as to the accuracy of the information provided. If necessary, attach copies of documents supporting statements.

CERTIFICATION

As a part of this application, the City/Town of _____, or the _____ District/Agency, _____ (the applicant) and/or the _____ (real party in interest - landowner and/or registered voter of the application subject property) agree to defend, indemnify, hold harmless, promptly reimburse San Bernardino LAFCO for all reasonable expenses and attorney fees, and release San Bernardino LAFCO, its agents, officers, attorneys, and employees from any claim, action, proceeding brought against any of them, the purpose of which is to attack, set aside, void, or annul the approval of this application or adoption of the environmental document which accompanies it.

This indemnification obligation shall include, but not be limited to, damages, penalties, fines and other costs, imposed upon or incurred by San Bernardino LAFCO should San Bernardino LAFCO be named as a party in any litigation or administrative proceeding in connection with this application.

As the person signing this application, I will be considered the proponent for the proposed action(s) and will receive all related notices and other communications. I understand that if this application is approved, the Commission will impose a condition requiring the applicant and/or the real party in interest to indemnify, hold harmless and reimburse the Commission for all legal actions that might be initiated as a result of that approval.

I hereby certify that the statements furnished above present the data and information required to the best of my ability, and that the facts, statements, and information presented herein are true and correct to the best of my knowledge and belief.

DATE _____

SIGNATURE

(FOR LAFCO USE ONLY)

Printed Name of Applicant or Real Property in Interest
(Landowner/Registered Voter of the Application Subject Property)

Title and Affiliation (if applicable)

Rev: krm – 8/19/2015

SAN BERNARDINO LAFCO APPLICATION AND PRELIMINARY ENVIRONMENTAL DESCRIPTION FORM

INTRODUCTION: The questions on this form and its supplements are designed to obtain enough data about the application to allow the San Bernardino LAFCO, its staff and others to adequately assess the proposal. By taking the time to fully respond to the questions on the forms, you can reduce the processing time for your proposal. You may also include any additional information which you believe is pertinent. Use additional sheets where necessary, or attach any relevant documents.

GENERAL INFORMATION

1. NAME OF PROPOSAL: Annexation of GATX Property, APN 0254-192-02, into the West Valley Valley Water District

2. NAME OF APPLICANT: GATX Corporation

APPLICANT TYPE: Landowner Local Agency
 Registered Voter Other _____

MAILING ADDRESS:
20878 Slover Ave, Colton CA, 92325

PHONE: (312) 621-6340

FAX: (_____) _____

E-MAIL ADDRESS: yasmin.asghari@gatx.com

3. GENERAL LOCATION OF PROPOSAL: Northeast corner of Slover Avenue and Pepper Avenue in the City of Colton

4. Does the application possess 100% written consent of each landowner in the subject territory?
YES NO If YES, provide written authorization for change.

5. Indicate the reason(s) that the proposed action has been requested. _____
GATX currently draws water from an on site well to serve the property with irrigation water, potable water, and fire water. Due to the current quality of the well water, GATX would like to disconnect their water services from the on site well. GATX is requesting to annex into the West Valley Water District where they could be provided potable, irrigation, and fire water service lines to serve their site.

(FOR LAFCO USE ONLY)

LAND USE AND DEVELOPMENT POTENTIAL

1. Total land area of subject territory (defined in acres): 34 ± Acres

2. Current dwelling units within area classified by type (single-family residential, multi-family [duplex, four-plex, 10-unit], apartments) None

3. Approximate current population within area: ∅

4. Indicate the General Plan designation(s) of the affected city (if any) and uses permitted by this designation(s): Heavy Industrial

San Bernardino County General Plan designation(s) and uses permitted by this designation(s): Heavy Industrial

5. Describe any special land use concerns expressed in the above plans. In addition, for a City Annexation or Reorganization, provide a discussion of the land use plan's consistency with the regional transportation plan as adopted pursuant to Government Code Section 65080 for the subject territory: None

6. Indicate the existing use of the subject territory. Operations at the GATX site consist of cleaning and maintaining rail cars that are leased to other entities. The lessees use the rail cars to transport commodities that range from food products to chemicals.

What is the proposed land use? There are no proposed changes to the existing land use.

7. Will the proposal require public services from any agency or district which is currently operating at or near capacity (including sewer, water, police, fire, or schools)? YES NO If YES, please explain.

(FOR LAFCO USE ONLY)

8. On the following list, indicate if any portion of the territory contains the following by placing a checkmark next to the item:

- Agricultural Land Uses
- Williamson Act Contract
- Any other unusual features of the area or permits required: _____
- Agricultural Preserve Designation
- Area where Special Permits are Required

Public Water System No. 3601089 operating under domestic water supply permit No. 15-3601089-001

9. Provide a narrative response to the following factor of consideration as identified in §56668(p): *The extent to which the proposal will promote environmental justice. As used in this subdivision, "environmental justice" means the fair treatment of people of all races, cultures, and incomes with respect to the location of public facilities and the provision of public services:*

The annexation to the West Valley Water District would enable the GATX Company to disconnect the potable water service from the existing well and to serve the site with clean water.

ENVIRONMENTAL INFORMATION

1. Provide general description of topography. The project site contains buildings which house office and rail car cleaning areas. There are rail lines throughout the west half of the site and an evaporation basins on the east.

2. Describe any existing improvements on the subject territory as % of total area.

Residential	_____%	Agricultural	_____%
Commercial	_____%	Vacant	45%
Industrial	50%	Other	5%

3. Describe the surrounding land uses:

NORTH	Railroad lines and I-10 Freeway
EAST	Cement Plant
SOUTH	Cement Plant
WEST	Vacant

4. Describe site alterations that will be produced by improvement projects associated with this proposed action (installation of water facilities, sewer facilities, grading, flow channelization, etc.).

Installation of water facilities

(FOR LAFCO USE ONLY)

5. Will service extensions accomplished by this proposal induce growth on this site? YES
NO Adjacent sites? YES NO Unincorporated Incorporated

6. Are there any existing out-of-agency service contracts/agreements within the area? YES
NO If YES, please identify.

7. Is this proposal a part of a larger project or series of projects? YES NO If YES, please explain.

NOTICES

Please provide the names and addresses of persons who are to be furnished mailed notice of the hearing(s) and receive copies of the agenda and staff report.

NAME _____ TELEPHONE NO. _____

ADDRESS:

NAME _____ TELEPHONE NO. _____

ADDRESS:

NAME _____ TELEPHONE NO. _____

ADDRESS:

CERTIFICATION

As a part of this application, the City/Town of _____, or the _____
District/Agency, _____ (the applicant) and/or the _____ (real party in
interest - landowner and/or registered voter of the application subject property) agree to defend, indemnify,
hold harmless, promptly reimburse San Bernardino LAFCO for all reasonable expenses and attorney fees,

(FOR LAFCO USE ONLY)

and release San Bernardino LAFCO, its agents, officers, attorneys, and employees from any claim, action, proceeding brought against any of them, the purpose of which is to attack, set aside, void, or annul the approval of this application or adoption of the environmental document which accompanies it.

This indemnification obligation shall include, but not be limited to, damages, penalties, fines and other costs imposed upon or incurred by San Bernardino LAFCO should San Bernardino LAFCO be named as a party in any litigation or administrative proceeding in connection with this application.

As the person signing this application, I will be considered the proponent for the proposed action(s) and will receive all related notices and other communications. I understand that if this application is approved, the Commission will impose a condition requiring the applicant and/or the real party in interest to indemnify, hold harmless and reimburse the Commission for all legal actions that might be initiated as a result of that approval.

I hereby certify that the statements furnished above and in the attached supplements and exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented herein are true and correct to the best of my knowledge and belief.

DATE _____

SIGNATURE

Printed Name of Applicant or Real Property in Interest
(Landowner/Registered Voter of the Application Subject Property)

Title and Affiliation (if applicable)

PLEASE CHECK SUPPLEMENTAL FORMS ATTACHED:

- ANNEXATION, DETACHMENT, REORGANIZATION SUPPLEMENT
- SPHERE OF INFLUENCE CHANGE SUPPLEMENT
- CITY INCORPORATION SUPPLEMENT
- FORMATION OF A SPECIAL DISTRICT SUPPLEMENT
- ACTIVATION OR DIVESTITURE OF FUNCTIONS AND/OR SERVICES FOR SPECIAL DISTRICTS SUPPLEMENT

EXHIBIT D

RESOLUTION NO. 2022-29
A RESOLUTION OF APPLICATION BY THE BOARD OF DIRECTORS
OF THE WEST VALLEY WATER DISTRICT, REQUESTING THE
LOCAL AGENCY FORMATION COMMISSION TO TAKE
PROCEEDINGS FOR THE SPHERE OF INFLUENCE AMENDMENT
(EXPANSION) AND ANNEXATION OF TERRITORY TO THE WEST
VALLEY WATER DISTRICT

WHEREAS, the Board of Directors of the West Valley Water District (“District”) wishes to initiate proceedings pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, commencing with Section 56000 of the California Government Code for:

1. Sphere of Influence Amendment for the District (expansion); and,
2. Annexation to the District.

WHEREAS, a description and map of the area proposed for sphere of influence amendment and annexation is attached hereto as Exhibit “A” and “B” and by this reference incorporated herein; and,

WHEREAS, the proposed area is within the sphere of influence for the City of Colton; however, the proposed annexation will be consistent with the District’s sphere of influence as proposed to be amended as part of this application; and,

WHEREAS, the District requests that the proposed annexation be subject to the standard terms and conditions imposed by the Local Agency Formation Commission; and,

WHEREAS, the reasons for the proposed sphere of influence amendment and annexation is to provide water service to the property in order to address the San Bernardino County Department of Public Health’s Compliance Order No. 05_66_21R_022, issued on the property due to perchlorate issues; and,

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of the West Valley Water District as follows:

Section 1. This Resolution of Application is hereby adopted and approved by the Board of Directors of the West Valley Water District, and the Local Agency Formation Commission for San Bernardino County is hereby requested to take proceedings for the sphere of influence amendments/reorganization of territory as described above, according to the terms and conditions stated above and in the manner provided by the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

Section 2. The District acknowledges and agrees to the Local Agency Formation Commission for San Bernardino County’s requirement for imposing legal indemnification

as outlined in Policy 3 of Chapter 2 of the Accounting and Financial Section of its Policy and Procedure Manual.

Section 3. The General Manager is hereby directed and authorized to execute, on behalf of the District, the justification for proposal form and supplemental forms for the sphere of influence amendment and annexation, which includes the Plan for Service and Fiscal Impact Analysis.

Section 4. That the Board Secretary shall certify to the passage and adoption of this resolution and is hereby authorized and directed to file, or cause to be filed, a certified copy of this Resolution with the Executive Officer of the Local Agency Formation Commission for San Bernardino County.

ADOPTED, SIGNED AND APPROVED THIS 20TH DAY OF NOVEMBER, 2022.

**AYES: DIRECTORS:
NOES: DIRECTORS:
ABSENT: DIRECTORS:
ABSTAIN: DIRECTORS:**

**By _____
Channing Hawkins
President of the Board of Directors of the West Valley
Water District**

**By _____
Van M. Jew
Acting General Manager of the
West Valley Water District**

ATTEST:

**By _____
Nancy Albitre
Acting Board Secretary of the
West Valley Water District**

TAFOYA LAW GROUP, APC

**By _____
Robert Tafoya**

EXHIBIT A

LAFCO _____
Annexation to the West Valley Water District
(GATX Annexation)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

THAT PORTION OF FARM LOT 231 LYING SOUTH OF THE RIGHT OF WAY OF THE SOUTHERN PACIFIC RAILROAD COMPANY AND ALL OF LOT 246, ACCORDING TO MAP OF THE TOWN OF RIALTO AND ADJOINING SUBDIVISIONS, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 4, PAGE 11, OF MAPS, RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE ORIGINAL CENTERLINE OF PEPPER AVENUE AND THE CENTERLINE OF SLOVER AVENUE, SAID POINT BEING THE INTERSECTION OF PEPPER AVENUE (CL SURVEY) AND SLOVER AVENUE AS SHOWN ON RECORD OF SURVEY 18-0143, FILED IN BOOK 166, PAGES 2 THROUGH 5, OF RECORDS OF SURVEY, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY;

FROM THE POINT OF BEGINNING:

COURSE 1 NORTH 00°25'54" WEST ALONG THE ORIGINAL CENTERLINE OF PEPPER AVENUE, 1208.21 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY OF SOUTHERN PACIFIC TRANSPORTATION COMPANY (UNION PACIFIC RAILROAD);

COURSE 2. SOUTH 76°56'59" EAST ALONG SAID RIGHT OF WAY, 610.84 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE NORTHERLY AND HAVING A RADIUS OF 5832.37 FEET;

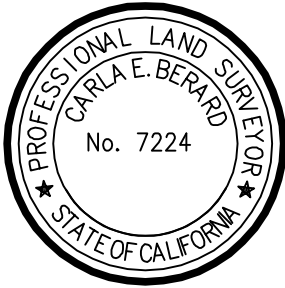
COURSE 3. EASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 06°55'40" AN ARC DISTANCE OF 705.20 FEET TO A POINT ON THE CENTERLINE OF MERIDIAN STREET;

COURSE 4. SOUTH 00°39'40" WEST ALONG SAID CENTERLINE, 943.11 FEET TO THE CENTERLINE OF SLOVER AVENUE;

COURSE 5. SOUTH 89°33'22" WEST ALONG SAID CENTERLINE, 1270.05 FEET TO THE POINT OF BEGINNING.

CONTAINING 31.20 ACRES, MORE OR LESS.

THIS LEGAL DESCRIPTION WAS PREPARED BY ME OR UNDER MY DIRECTION.



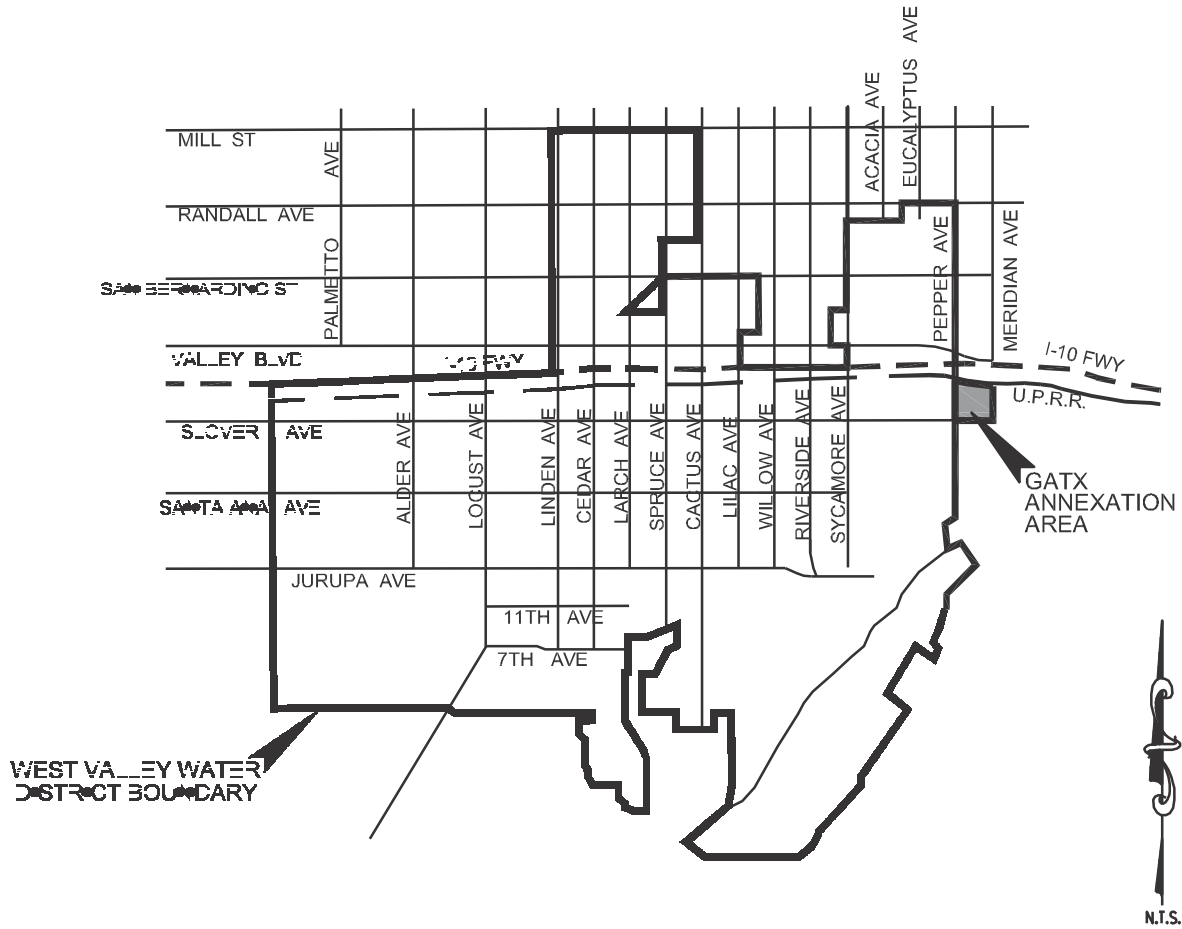
Carla Berard

CARLA E. BERARD, P.L.S. 7224 11/10/21 DATE

EXHIBIT B

EXHIBIT "B"

PORTION OF WEST VALLEY WATER DISTRICT ADJACENT TO GATX PROPERTY



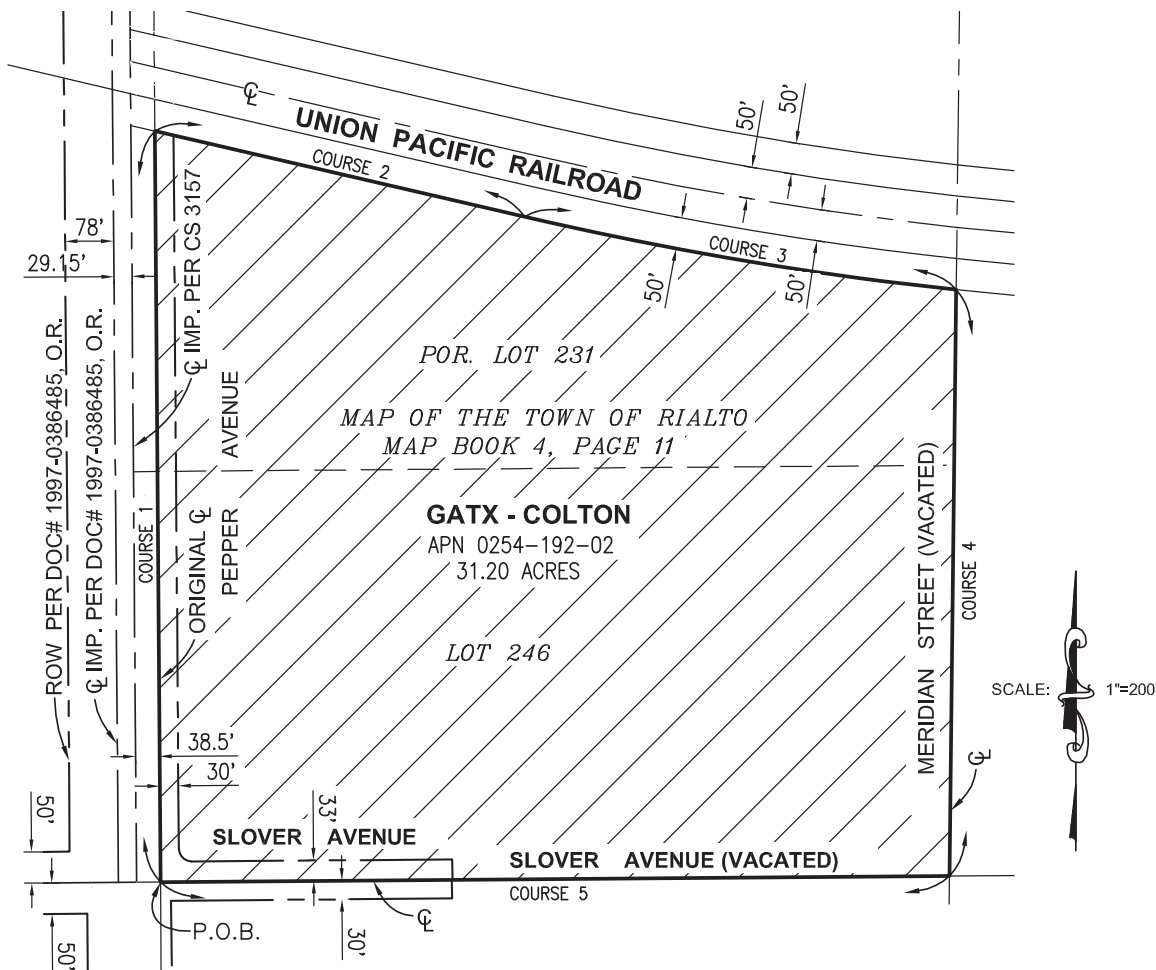
LDKING
 Engineers Surveyors
 878 N. Haven Avenue
 Suite 208
 Orange, CA 92764
 Phone: (949) 345-3528

Date Prepared
 10/09/2021

E:\700-799\738-GATX-GATX\0738-002\LAFCO\WWWD Boundary Map.dwg, Plotted: Jan 28, 2022 - 9:42am

LAFCO
 West Valley Water District Annexation
 (GATX Annexation)

GENERAL DESCRIPTION
 Located at the Northeast Corner of Pepper Avenue and Slover Avenue



SCALE: 1"=200'

COURSE TABLE

COURSE	BEARING	DELTA	RADIUS	LENGTH
COURSE 1	N00°25'54"W	-	-	1208.21'
COURSE 2	N76°56'59"W	-	-	610.84'
COURSE 3	-	06°55'40"	5832.37'	705.20'
COURSE 4	N00°39'40"E	-	-	943.11'
COURSE 5	N89°33'22"E	-	-	1270.05'

LEGEND

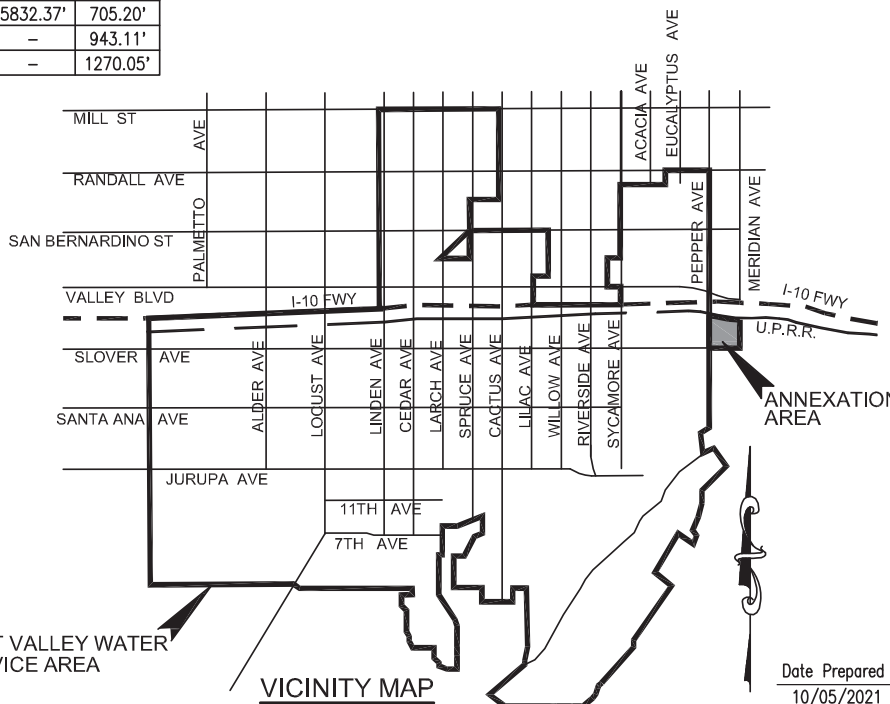
= ANNEXATION AREA
 ANNEXATION AREA = 31.20 ACRES

Affected District
 West Valley Water District
 855 West Base Line Road
 Rialto CA 92376
 (909) 875-1804



LDKING

Engineers/Surveyors
 975 N. Haven Avenue
 Suite 200
 Ontario, CA 91764
 Phone: (909) 945-0526



VICINITY MAP

Date Prepared
 10/05/2021

E:\700-799\738-GATX\0738-002\LAFCO Map\73802 LAFCO Map.dwg - Plotted: Oct 14, 2022 - 8:47am

GATX

JN 738002



**BOARD OF DIRECTORS
ENGINEERING, OPERATIONS AND PLANNING COMMITTEE
STAFF REPORT**

DATE: November 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Van Jew, Acting General Manager
SUBJECT: 2022 WATER SUPPLY RELIABILITY ANALYSIS

BACKGROUND:

West Valley Water District (District) provides high-quality drinking water to approximately 97,000 customers and has the tremendous flexibility to utilize a water portfolio that includes local surface water, imported water, and groundwater across five different groundwater basins.

DISCUSSION:

The District operates and maintains 7 treatment facilities, 21 permitted wells, 12 booster pump stations, and 25 reservoirs with a storage capacity of 74 million gallons and also manages water supplies and demands with careful research and analysis regarding production, diversions, rainfall totals, customer demands and population estimates. Staff initially performed 2021 Water Supply Reliability Analysis as an in-house assessment to gauge how reliable the District's water system is to meet customer demand both now and into the future. The analysis provides information on current and future water demands and supplies, assesses the reliability, resilience and vulnerability of the water supplies, and summarizes initiatives that the District has proactively taken to ensure there will be an adequate supply of clean, reliable water well into the future. The assessment has been updated and is attached as **Exhibit A**, the 2022 Water Supply Reliability Analysis.

The District is currently in a healthy position to meet its existing and projected water supply obligations and is prudently increasing its water supply reliability by pursuing additional supply projects.

FISCAL IMPACT:

There is no fiscal impact to the District.

STAFF RECOMMENDATION:

Forward this agenda item to the Board of Directors for information only.

Respectfully Submitted,

Van Jew

Van Jew, Acting General Manager

VJ:jc

ATTACHMENT(S):

1. Exhibit A - 2022 Water Supply Reliability Analysis

EXHIBIT A

2022 Water Supply Reliability Analysis



NOVEMBER 2022

**By: Joanne Chan, Joe Shaack, Sergio Granda,
Linda Jadeski, & Marco Bravo**
Operations & Engineering Departments

Purpose

The purpose of this analysis is to:

1. Identify our current real-world and future peak water demands
2. Estimate how reliable and resilient our current water supplies are to meet demands
3. List recommendations to improve the District's water supply reliability

Ultimately, the most singular purpose of this analysis is to **ascertain how reliable and robust is the District's water system in meeting current and future water demand**. The findings herein are best estimates given the current status of the system's infrastructure, hydrogeological conditions, and water quality conditions, all of which can be very dynamic.

Purpose #1A: Current Real-World Water Demands

Water supply conditions (as a proxy for water demand) were surveyed on four summer days to approximate real-life peak water demands. The dates, corresponding high temperature per weather.com, and total water supply on those days were as follows:

Table A: Water Demand on 4 Summer Days

Date	High Temperature	Water Supply (MGD)*
8/7/2022	104 F	30.6
8/30/2022	104 F	27.6
9/1/2022	110 F	29.9
9/5/2022	112 F	31.8

*- detail of the supply sources can be found in Appendix 1A thru 1D

The "Water Facilities Master Plan" completed in July 2020, identifies peak day demand (PDD) as 29.6 MGD (Table 5.1, average day demand of 17.4 MGD times peaking factor of 1.7). Given the small sample size of the above table, it is possible that it still may not be representative of the true PDD. Adding 2.9 MGD (i.e., one 2,000-gpm capacity well), though subjective, may

bring us closer to the current, true PDD, in which case, this analysis is identifying **32.5 MGD** as the PDD.

Purpose #1B: Future Peak Day Water Demands

WVWD completed its Integrated Regional Urban Water Management Plan (RUWMP) in May 2021, wherein the District's average day (and by extension peak day) water demands were projected thru 2045 as follows:

Table B: Future PDD per 2021 RUWMP

Year	Annual Demand (AFY)	Average Day Demand (MGD)	Peak Day Demand (MGD)
2025	23,459	20.9	35.6
2030	25,035	22.3	38.0
2035	26,611	23.8	40.4
2040	28,188	25.2	42.8
2045	29,764	26.6	45.2

Purpose #2: Water Supply Resiliency

How resilient and how reliable are WVWD's sources of supply to meet the current PDD and future PDD? WVWD has access to a water supply of 65.9 MGD (Appendix 2), but due to water quality, hydrogeological dynamics, and system restrictions, these sources are never available simultaneously. After discounting for these conditions, the total amount of water supply that is possibly available is up to about 45.4 MGD (Appendix 3) but since the system has never been stress tested to that level, an application of a 10% reduction (though subjective) is in order, in which case the available reliable water supply is estimated at **40.9 MGD**, in which case there is currently adequate water supply to meet both current 2022 PDD and 2035 PDD. Redundant water supply is roughly estimated as follows:

Table C: Estimate of Redundant Water Supply

Condition	MGD	Currently Sufficient Water Supply Available?	Redundant Supply* (MGD)
2022 Peak Day Demand	32.5	Yes	8.4
2035 Peak Day Demand	40.4	Yes	0.5

*- estimated available supply (40.9 MGD) less PDD

To additionally estimate the District's water supply resiliency, this analysis will go a couple steps further in evaluating water supply resiliency/reliability by looking also at two scenarios/question sets:

- Scenario #1: What PDD can be met when WVWD's largest source of supply is unavailable?
- Scenario #2: What PDD can be met in the North System and the South System if the 30-inch transmission main on Cactus Avenue is out of service for a significant period of time?

Scenario #1

Can a water agency meet its water demand with its single largest source of supply unavailable? This seems like a common "go-no-go" benchmark in the water industry to ascertain if one's water supply system is reliable. For WVWD, its single largest source of supply is imported water through the Oliver P. Roemer Water Filtration Facility (Roemer WFF). Noteworthy, the Roemer WFF has historically been very reliable. According to the District's Chief Water Treatment Plant Operator and his 13 years of experience with the plant, he can't recall the facility has ever been down for more than a day and such outages are so rare that the facility can be characterized as: "*Roemer is virtually always running.*"

WVWD, even without imported water, still has a robust supply capacity of 35.9 MGD (Appendix 4A). The District's normal practice is to operate certain wells to avoid Time of Use (TOU)-peaks which would further reduce available system supply to 29.8 MGD (Appendix 4B). At 35.9 MGD, the District has sufficient water supply to meet current PDD.

Case Study: On 9/29/2021, due to drought conditions, WVWD was informed that only about 250 AF of imported water would be available through the last three months of the year, which meant WVWD was virtually losing its imported water supply for the balance of the year. In addition to this, Wells 41 and 42 were not available and an unprecedented amount of water was being consumed through hydrant meters by new development activities. The water demand conditions on 9/30/2021 were estimated to be 26.9 MGD and Appendix 5 shows how WVWD successfully curtailed imported water to meet the demand even with the loss of the two said wells.

Scenario #2

A map of the District's transmission and distribution pipeline network very conspicuously shows the 30-inch transmission main along Cactus Avenue is a tremendously important conveyance facility between the District's North and South Systems. How challenged would WVWD be to

meet PDD in each system should this pipeline be out of service is an important scenario to investigate.

The District's 2020 Water Facilities Master Plan, Table 5.1, estimates the North System accounts for about 56% of WVWD's current water demand and at buildout, the North System will account for about 58% of the District's total water demand – not significantly different between current and buildout. Using 58%, the previous demand table can be re-expressed as follows:

Table D: Peak Day Demand Divided by North and South Systems

Year	North System PDD (MGD)	South System PDD (MGD)	Total PDD (MGD)
2025	20.6	15.0	35.6
2030	22.0	16.0	38.0
2035	23.4	17.0	40.4
2040	24.8	18.0	42.8
2045	26.2	19.0	45.2

North System

The North System is very robust. The Roemer WFF is located in the North System, and it alone has a capacity of 12.0 MGD and combined with the existing readily available wells in the North System, the total available supply in the North System, even with the Cactus Avenue Pipeline out of service, is 25.6 MGD (with wells not on TOU), which is **sufficient to meet North System PDD past 2040.**

Table E: North System Supply Sources

Facility	GPM Capacity	MGD
Well 1 A	900	1.3
Well 2	0	0
Well 23 A	0	0
Well 24	450	0.6
Well 4 A	2,200	3.2
Well 5 A	1,300	1.9
Well 54 (VFD)	750	1.1
Well 7*	1,300	1.9
Well 8 A*	2,500	3.6
Roemer WFF		12.0
TOTAL		25.6

*- can equally serve North and/or South Systems

South System

There are 8 wells readily available in the South System, which collectively can provide a total available supply, even with the Cactus Avenue Pipeline out of service, to the South System in the amount of 19.2 MGD, which is **sufficient to meet South System PDD thru 2045**. Additionally, Well 8A and 7 in the North System can be diverted to the South System via the Pepper Avenue Pipeline and Well SB-Encanto, located in the South and when available, can also be utilized in the South System.

Table F: South System Supply Sources

Facility	GPM Capacity	MGD
Rialto Well 6 (VFD)	2,000	2.9
Well 11	0	0
Well 15	2,000	2.9
Well 16	0	0
Well 17	0	0
Well 18A	0	0
Well 30	1,800	2.6
Well 33	2,600	3.7
Well 41	1,800	2.6
Well 42	1,800	2.6
BLF-North	1,500 (66%)	1.4
BLF-South	2,650 (66%)	2.5
Well SB-Encanto*	0	0
Adjustment**		(2.0)
TOTAL		19.2

*- assume not available since not within District's control

**- Per the Production Supervisor, there is a loss of about 2 MGD of supply when Wells 15, 30, BLF-North, BLF-South, and nearby City Well 4A run at the same time.

Cactus Avenue Pipeline Out of Service

When the 30-inch Cactus Avenue Pipeline is out of service, the South System can still be served by the North System via the 24-inch Pepper Avenue Pipeline. According to the District's Production Supervisor the 30-inch Cactus Avenue Pipeline was out of service as recently as 2017 for some planned valve work. During this time, Pepper Avenue Pipeline was handily able to supply needed flow from the North to the South. However, though Pressure Zone 3A had sufficient water supply, it experienced a significant pressure drop of approximately 30 psi, such that near the highest elevation of the zone (Linden and Merrill Avenues) the pressure was 35 psi.

Estimated conservatively at a flow velocity of 5 feet per second, the Pepper Avenue Pipeline would be able to supply about 10.2 MGD from North to South. In summary, during an outage

of the Cactus Avenue Pipeline, water supply in the North and South Systems will not be disrupted in terms of water quantity, but Zone 3A will experience some pressure drop changes.

Purpose #3: Recommendations to Enhance Water Supply Reliability

To both ensure and enhance future water supply reliability, WVWD staff have already identified various water supply projects. The following eight projects alone will potentially increase water supply by up to **27.3 MGD**:

- Upgrade and expand the Oliver P. Roemer WFF from 14.4 MGD to 21.6 MGD: This is a design-build project, expected to commence construction in 2023 and be completed in 2025. *Additional water supply capacity benefit: 7.2 MGD*
- Well 18A Blend Plan: This facility has been off-line due to nitrates, but a blending facility has recently been constructed and permitted. Some repair and start-up work still needs be performed and this facility is anticipated to resume potable production by early 2023. *Additional water supply capacity benefit: 2.6 MGD*
- Well 2 Blend Plan: This facility has been off-line due to MTBE, but a blending program has been identified and a permit has been obtained to return the facility back to potable water operation. Some start-up work still needs be performed and this facility is anticipated to resume potable production by early 2023. *Additional water supply capacity benefit: 2.9 MGD*
- Well 7: This is an active facility but is used more lightly due to its entrained air issues. To remedy this condition and bring it up to more prominent usage, a Well 7 aeration facility has been included in the upcoming Lord Ranch capital improvement project, which is currently in design and expected to be constructed by early 2023. *Additional water supply capacity benefit: not applicable*
- Wells 16 and 17: These nearby facilities have been off-line due to 1,2,3-Trichloropropane. The District is currently conducting a scoping study to best determine the treatment solution going forward and identifying associated capital costs. An implemented treatment solution is likely two years out and will cost several million dollars. *Additional water supply capacity benefit: 4.6 MGD*
- Drilling two (2) production wells in the Bunker Hill groundwater basin. Each well will be designed to produce 3,500 gallons per minute, thereby producing 7,000 gallons per minute or 6.7 MGD of additional water supply during TOU or up to 10.0 MGD when not on TOU. The Bunker Hill Groundwater Basin is a reliable source of supply that the District could utilize. This water supply is thought to be a less expensive source of

supply as it is anticipated that water from the Bunker Hill Groundwater Basin will not require treatment. *Additional water supply capacity benefit: Up to 10.0 MGD*

Lastly, the following two booster pump station projects have been identified. Neither project increases water supply, but does increase operational flexibility, but likely at an unfavorable benefit-cost ratio (and therefore will not be pursued in the near future):

- Construct a booster pump station in Zone 2 to move water from Zone 2 to Zone 3
- Construct a booster pump station in Zone 3 to move water from Zone 3 to Zone 3A.

Note: As part of the effort in identifying which water supply projects to recommend, staff considers several factors including water quality, water quantity, source, and location of supply (including the replenishment requirements each of the 5 basins which WVWD overlies), capital costs, water rights and operating costs.

Summary

The key takeaways from this analysis are:

1. District's current Peak Day Demand (PDD) is estimated at 32.5 MGD
2. District's future PDD in Year 2045 is estimated at 45.2 MGD
3. Sufficient water supply currently exists thru: about 2035
4. Worst Case Scenario #1: Sufficient water supply already exists even in the event of the loss of District's largest supply source (i.e., imported water).
5. Worst Case Scenario #2: Sufficient water supply already currently exists in both the North and South Systems even if the critical 30-inch Cactus Avenue Pipeline is out of service for a sustained period of time
6. District is prudently pursuing additional water supply projects to enhance future water supply reliability by up to 27.3 MGD and is additionally looking in groundwater recharge basins overlying the Lytle Creek groundwater basin that could be recharged with imported water when available.

Bottom-line: The District is currently in a healthy position to meet its existing and projected water supply obligations and is prudently increasing its water supply reliability by pursuing additional supply projects.

Appendix 1A: Flow Rates on 8/7/2022

Daytime High: 104-degrees

Facility	Actual MGD	
Rialto Well 6 (VFD)	2.2	Non-TOU; but only running at 1500 gpm per Lance
Well 1 A	1.3	Non-TOU
Well 11	0.0	
Well 15	1.4	Non-TOU
Well 16	0.0	
Well 17	0.0	
Well 18A	0.0	Off-line (pulled)
Well 2	0.0	
Well 23 A	0.0	
Well 24	0.7	Non-TOU
Well 30	1.3	Non-TOU
Well 33	0.0	Off-line (basin availability)
Well 4 A	2.7	Non-TOU
Well 41	0.9	Non-TOU
Well 42	2.1	Non-TOU
Well 5 A	1.7	Non-TOU
Well 54 (VFD)	0.0	Off-line (motor)
Well 7	0.0	Entrained air
Well 8 A	3.2	Non-TOU
BLF-North	2.1	Non-TOU/adj for 66% share
BLF-South	3.0	Non-TOU/adj for 66% share
SB-Encanto	0.0	
Roemer	10.0	Flowrate per Carlos
Adjustment*	(2.0)	
TOTAL	30.6	

TOU: ran at 75% capacity, being off for 6 hrs per day.

*- See Appendix 3.

Appendix 1B: Flow Rates on 8/30/2022

Daytime High: 104-degrees

Facility	Actual MGD	
Rialto Well 6 (VFD)	2.2	Non-TOU; but only running at 1200 gpm per Sergio. Not into system on this date.
Well 1 A	1.0	TOU
Well 11	0.0	
Well 15	2.2	TOU
Well 16	0.0	
Well 17	0.0	
Well 18A	0.0	
Well 2	0.0	
Well 23 A	0.0	
Well 24	0.6	Non-TOU
Well 30	1.9	TOU
Well 33	0.0	TOU
Well 4 A	2.3	
Well 41	0.9	TOU
Well 42	1.9	TOU
Well 5 A	1.4	TOU
Well 54 (VFD)	1.1	Non-TOU
Well 7	0.0	Entrained air
Well 8 A	0.0	TOU
BLF-North	1.4	TOU/adj for 66% share
BLF-South	2.7	TOU/adj for 66% share
SB-Encanto	0.0	
Roemer	10.0	Flowrate per Carlos
Adjustment*	(2.0)	
TOTAL	27.6	

TOU: ran at 75% capacity, being off for 6 hrs per day.

*- See Appendix 3.

Appendix 1C: Flow Rates on 9/1/2022

Daytime High: 110-degrees

Facility	Actual MGD	
Rialto Well 6 (VFD)	0.0	Non-TOU; but only running at 1200 gpm per Sergio. Not into system on this date.
Well 1 A	1.0	TOU
Well 11	0.0	
Well 15	2.2	TOU
Well 16	0.0	
Well 17	0.0	
Well 18A	0.0	
Well 2	0.0	
Well 23 A	0.0	
Well 24	0.6	Non-TOU
Well 30	1.9	TOU
Well 33	0.0	TOU
Well 4 A	2.3	TOU
Well 41	2.0	TOU
Well 42	1.9	TOU
Well 5 A	1.4	TOU
Well 54 (VFD)	1.1	Non-TOU
Well 7	0.0	Entrained air
Well 8 A	2.4	TOU
BLF-North	1.3	TOU/adj for 66% share
BLF-South	2.7	TOU/adj for 66% share
SB-Encanto	0.0	
Roemer	11.0	Flowrate per Carlos
Adjustment*	(2.0)	
TOTAL	29.9	

TOU: ran at 75% capacity, being off for 6 hrs per day.

*- See Appendix 3.

Appendix 1D: Flow Rates on 9/5/2022

Daytime High: 112-degrees

Facility	Actual MGD	
Rialto Well 6 (VFD)	0.0	Non-TOU; but only running at 1200 gpm per Sergio. Not into system on this date.
Well 1 A	1.2	No TOU (Holiday)
Well 11	0.0	
Well 15	2.5	No TOU (Holiday)
Well 16	0.0	
Well 17	0.0	
Well 18A	0.0	
Well 2	0.0	
Well 23 A	0.0	
Well 24	0.6	Non-TOU
Well 30	1.9	No TOU (Holiday)
Well 33	0.0	No TOU (Holiday)
Well 4 A	3.1	
Well 41	0.0	Pump pulled
Well 42	1.9	No TOU (Holiday)
Well 5 A	1.6	No TOU (Holiday)
Well 54 (VFD)	1.1	Non-TOU
Well 7	0.0	Entrained air
Well 8 A	3.4	No TOU (Holiday)
BLF-North	1.8	No TOU (Holiday)
BLF-South	3.6	No TOU (Holiday)
SB-Encanto	0.0	
Roemer	11.0	Flowrate per Carlos
Adjustment*	(2.0)	
TOTAL	31.8	

TOU: ran at 75% capacity, being off for 6 hrs per day.

*- See Appendix 3.

Appendix 2: Total System Supply

Facility	GPM Capacity	MGD
Rialto Well 6 (VFD)	1,880	2.7
Well 1 A	900	1.3
Well 11	1,200	1.7
Well 15	2,000	2.9
Well 16	1,600	2.3
Well 17	1,600	2.3
Well 18A	1,800	2.6
Well 2	2,000	2.9
Well 23 A	650	0.9
Well 24	450	0.6
Well 30	1,800	2.6
Well 33	2,600	3.7
Well 4 A	2,200	3.2
Well 41	1,800	2.6
Well 42	1,800	2.6
Well 5 A	1,300	1.9
Well 54 (VFD)	750	1.1
Well 7	1,300	1.9
Well 8 A	2,500	3.6
Well BLF-North(66% share)	1,500	1.6
Well BLF-South(66% share)	2,650	2.9
Well SB-Encanto	2,500	3.6
Roemer WFF	10,000	14.4
TOTAL		65.9

Appendix 3: Total Possible* System Supply

Facility	GPM Capacity	MGD
Rialto Well 6 (VFD)	2,000	2.9
Well 1 A	900	1.3
Well 11	0	0
Well 15	2,000	2.9
Well 16	0	0
Well 17	0	0
Well 18A	0	0
Well 2	0	0
Well 23 A	0	0
Well 24	450	0.6
Well 30	1,800	2.6
Well 33	2,600	3.7
Well 4 A	2,200	3.2
Well 41	1,800	2.6
Well 42	1,800	2.6
Well 5 A	1,300	1.9
Well 54 (VFD)	750	1.1
Well 7	1,300	1.9
Well 8 A	2,500	3.6
BLF-North	1,500 (66% share)	1.6
BLF-South	2,650 (66% share)	2.9
Well SB-Encanto*	0	0.0
Adjustment**		(2.0)
Roemer WFF***		12.0
TOTAL		45.4

DISCLAIMER: System has not ever operated up to 45.4 MGD, so system hydraulics have not been tested to this level, therefore "Possible" is used.

*- Since availability of this facility is out of WWWD's control, assume not available.

**- Per the Production Supervisor, there is a loss of about 2 MGD of production when Wells 15, 30, BLF-North, BLF-South, and nearby City Well 4A run at the same time.

***- Roemer WFF demonstrated it can run sustainably up to 12 MGD w/o filtration issues.

**Appendix 4A: System Supply w/o
Imported Water & in non-TOU mode**

Facility	MGD
Rialto Well 6 (VFD)	2.9
Well 1 A	1.3
Well 11	0
Well 15	2.9
Well 16	0
Well 17	0
Well 18A	0
Well 2	0
Well 23 A	0
Well 24	0.6
Well 30	2.6
Well 33	3.7
Well 4 A	3.2
Well 41	2.6
Well 42	2.6
Well 5 A	1.9
Well 54 (VFD)	1.1
Well 7	1.9
Well 8 A	3.6
BLF-North	1.6
BLF-South	2.9
Well SB-Encanto*	0.0
Roemer WFF**	2.5
Adjustment***	(2.0)
TOTAL	35.9

*- Since availability of this facility is out of WVWD's control, assume not available.

** - Lytle Creek summer low flow is estimated at 2.5 MGD.

*** - See Appendix 3.

**Appendix 4B: System Supply w/o
Imported Water & in TOU mode**

Facility	MGD	
Rialto Well 6 (VFD)	2.9	
Well 1 A	1.0	TOU
Well 11	0	
Well 15	2.2	TOU
Well 16	0	
Well 17	0	
Well 18A	0	
Well 2	0	
Well 23 A	0	
Well 24	0.6	
Well 30	2.0	TOU
Well 33	2.8	TOU
Well 4 A	3.2	
Well 41	2.6	
Well 42	2.0	TOU
Well 5 A	1.4	TOU
Well 54 (VFD)	1.1	
Well 7	1.9	
Well 8 A	2.7	TOU
BLF-North	1.1	TOU
BLF-South	1.9	TOU
Well SB-Encanto*	0.0	
Roemer WFF**	2.5	
Adjustment***	(2.0)	
TOTAL	29.8	

TOU- wells typically run in TOU mode (i.e. off 25% of the day).

*- Since availability of this facility is out of WVWD's control, assume not available.

**- Lytle Creek summer low flow is estimated at 2.5 MGD.

***- See Appendix 3.

Appendix 5: Loss of Imported Water Supply, 9/30/2021

Facility	GPM Capacity	Actual BEFORE Imported Water Curtailment (MGD)	Actual AFTER Imported Water Curtailment (MGD)	
Rialto Well 6 (VFD)	1,880	2.7	2.7	
Well 1 A	900	1.0	1.3	TOU/Off TOU
Well 11	1,200	0.0	0.0	
Well 15	2,000	2.2	2.9	TOU/Off TOU
Well 16	1,600	0.0	0.0	
Well 17	1,600	0.0	0.0	
Well 18A	1,800	0.0	0.0	
Well 2	2,000	0.0	0.0	
Well 23 A	650	0.0	0.0	
Well 24	450	0.5	0.5	Non-TOU
Well 30	1,800	1.9	2.6	TOU/Off TOU
Well 33	2,600	2.8	3.7	TOU/Off TOU
Well 4 A	2,200	0.0	0.0	
Well 41	1,800	0.0	0.0	Pump pulled
Well 42	1,800	0.0	0.0	TOU
Well 5 A	1,300	1.4	1.9	TOU/Off TOU
Well 54 (VFD)	750	1.1	1.1	Non-TOU
Well 7	1,300	0.0	0.0	Entrained air
Well 8 A	2,500	2.7	3.6	TOU/Off TOU
BLF-North	1,500	1.1	1.6	TOU/Off TOU/adj for 70% share
BLF-South	2,650	2.0	2.9	TOU/Off TOU/adj for 70% share
SB-Encanto	2,500	0.0	1.6	
Roemer	10,000	9.5	2.9	2.9 is Lytle Crk only
Adjustment*		(2.0)	(2.0)	
TOTAL		26.9	27.3	

TOU: ran at 75% capacity, being off for 6 hrs per day.

*- see Appendix 3.

Appendix E: Available Supply in North System / South System

North System Available Supply

Facility	GPM Capacity	MGD
Well 1 A	900	1.3
Well 2	0	0
Well 23 A	0	0
Well 24	450	0.6
Well 4 A	2,200	3.2
Well 5 A	1,300	1.9
Well 54 (VFD)	750	1.1
Well 7	1,300	1.9
Well 8 A*	2,500	3.6
Roemer WFF		12.0
TOTAL		25.6

*- Can equally serve North and/or South Systems

South System Available Supply

Facility	GPM Capacity	MGD
Rialto Well 6 (VFD)	2,000	2.9
Well 11	0	0
Well 15	2,000	2.9
Well 16	0	0
Well 17	0	0
Well 18A	0	0
Well 30	1,800	2.6
Well 33	2,600	3.7
Well 41	1,800	2.6
Well 42	1,800	2.6
BLF-North	1,500 (66%)	1.4
BLF-South	2,650 (66%)	2.5
Well SB-Encanto*	0	0
Adjustment**		(2.0)
TOTAL		19.2

*- Assume not available since not within District's control.

**- Per the Production Supervisor, there is a loss of about 2 MGD of supply when Wells 15, 30, BLF-North, BLF-South, and nearby City Well 4A run at the same time.