

**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
<b>Total Costs</b>			<b>\$85,550.00</b>

**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**

<b>4" Meter</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	
Service Charge	\$ 128.56	\$ 128.56	\$ 128.56	\$ 128.56	\$ 128.56	<i>annual recurring charge</i>
Backflow Charge	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	<i>annual recurring charge</i>
Deposit for Valve Box Recovery/valve:	\$ 120.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Capacity Charges/lot: 4" meter	\$ 219,865.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Commercial Service Deposit/Meter	\$ 140.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Meter Only Charge : 4" meter	\$ 4,219.64	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Inspection Fee of Meters Before & After Installation	\$ 40.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
<b>4" Meter Annual Cost</b>	<b>\$ 224,516.04</b>	<b>\$ 131.40</b>	<b>\$ 131.40</b>	<b>\$ 131.40</b>	<b>\$ 131.40</b>	

<b>10" Fire Service</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	
Service Charge	\$ 105.40	\$ 105.40	\$ 105.40	\$ 105.40	\$ 105.40	<i>annual recurring charge</i>
Backflow Charge	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	\$ 2.84	<i>annual recurring charge</i>
Deposit for Valve Box Recovery/valve:	\$ 120.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Capacity Charges/fire service: 10"	\$ 62,217.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
Fire Service Deposit/Meter	\$ 140.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
District Inspection Fee-Meter/Fire Service	\$ 300.00	\$ -	\$ -	\$ -	\$ -	<i>one time development fee</i>
<b>10" Fire Service Annual Cost</b>	<b>\$ 62,885.24</b>	<b>\$ 108.24</b>	<b>\$ 108.24</b>	<b>\$ 108.24</b>	<b>\$ 108.24</b>	

<b>Total Annual Cost for GATX</b>	<b>\$ 287,401.28</b>	<b>\$ 239.64</b>	<b>\$ 239.64</b>	<b>\$ 239.64</b>	<b>\$ 239.64</b>	
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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:



\_\_\_\_\_  
John Thiel, General Manager

West Valley Water District

Date: 6.28.23

**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*

11/10/21

CARLA E. BERARD, P.L.S. 7224

DATE

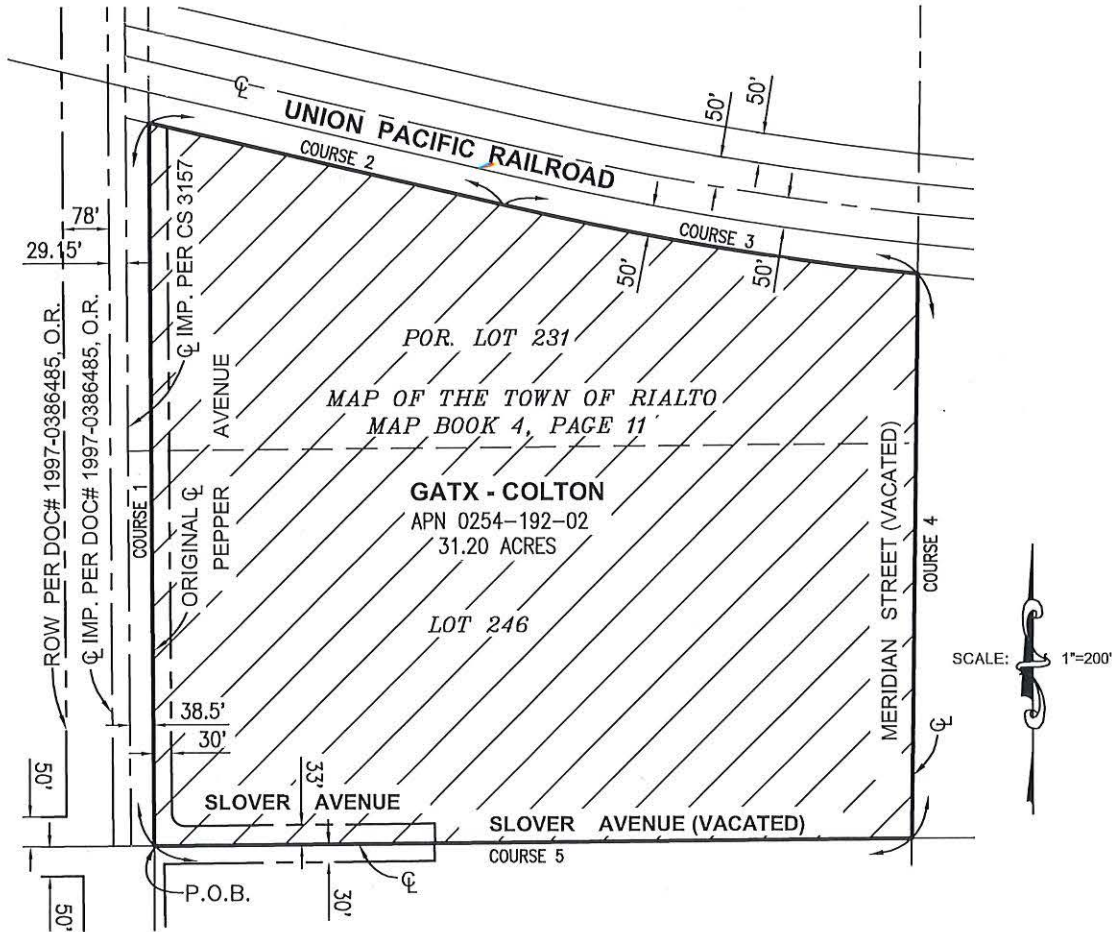






LAFCO  
West Valley Water District Annexation  
(GATX Annexation)

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'

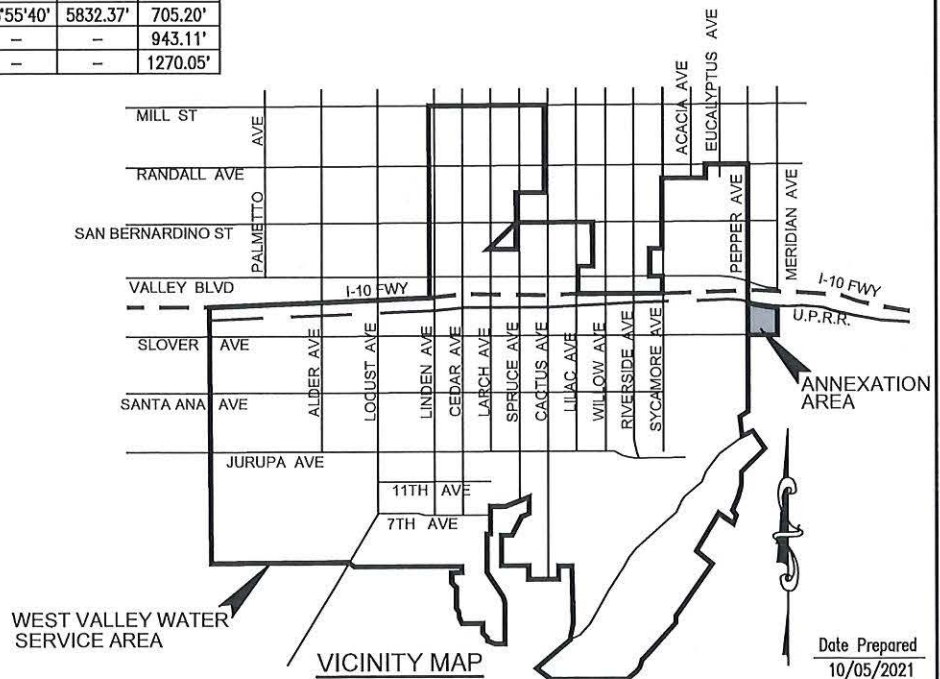
LEGEND

= ANNEXATION AREA  
ANNEXATION AREA = 31.20 ACRES

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



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



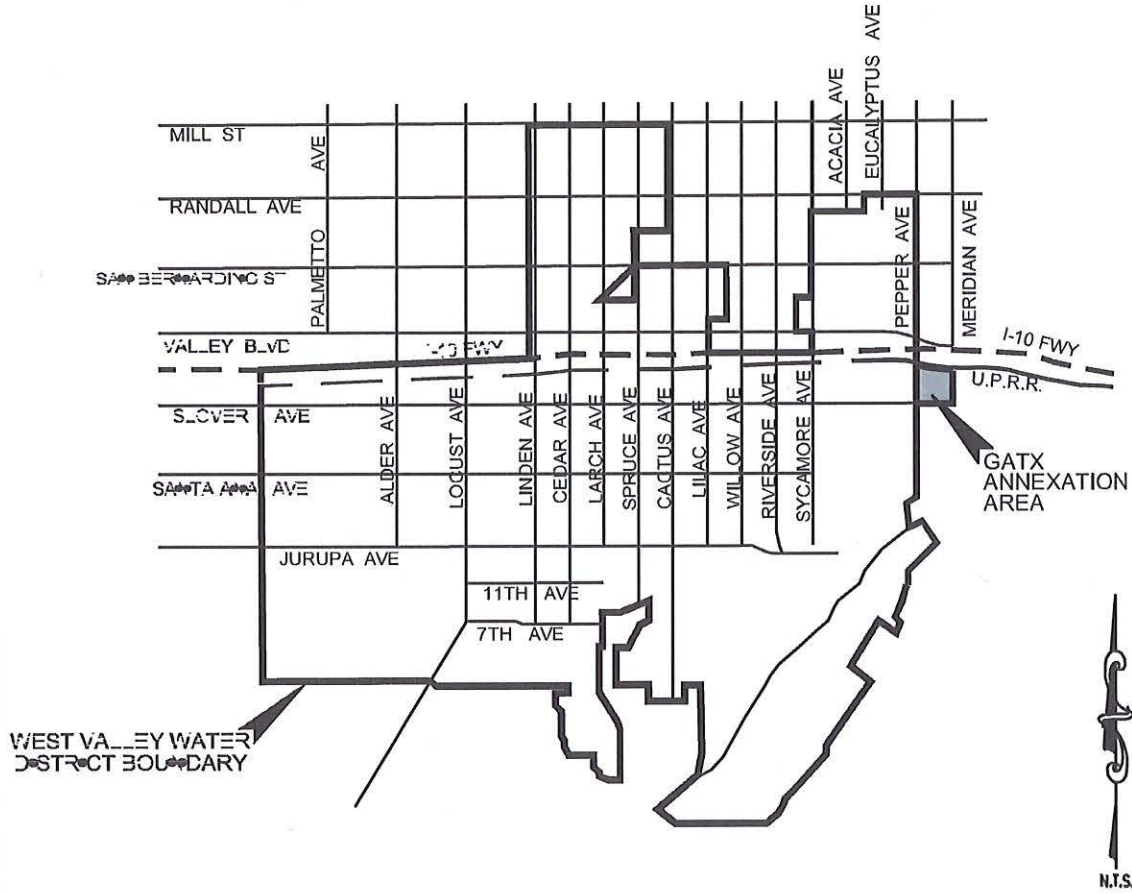
Date Prepared  
10/05/2021

E:\700-789\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  
875 N. Faver Avenue  
Suite 200  
Costa Mesa, CA 92626  
Phone: (949) 945-0828

Date Prepared  
10/05/2021

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



**WATER LINE CONSTRUCTION NOTES**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND WEST VALLEY WATER DISTRICT'S STANDARDS FOR DOMESTIC WATER FACILITIES.
- THE CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE WEST VALLEY WATER DISTRICT AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR'S ATTENTION IS EXPRESSLY DIRECTED TO ALL THE REQUIREMENTS AND PROVISIONS OF THE STATE OF CALIFORNIA SAFETY REGULATIONS AND ORDINANCES WHICH ARE STRICTLY ENFORCED DURING THE ENTIRE LIFE OF THE CONTRACT. A CAL-SDMA EXCAVATION PERMIT SHALL BE REQUIRED FOR TRENCHES IN CROSS-SECTION OF 5.0 FEET IN DEPTH.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE CONTRACTOR SHALL BE RESPONSIBLE AND HOLD THEIR REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM CONSTRUCTION OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL UNCOVER/POTHOLE AND VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITY LINES PRIOR TO EXCAVATING. THE CONTRACTOR SHALL MAKE APPROPRIATE ARRANGEMENTS FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-227-2800 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK.
- PIPE TRENCH SHALL BE EXCAVATED TRUE TO LINE AND GRADE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL BACKFILL SHALL BE PLACED IN A MANNER SATISFACTORY TO THE INSPECTOR AND IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS AND PERMITS MATERIAL FOR BACKFILL TO TWELVE (12) INCHES ABOVE THE PIPE SHALL BE GRANULAR MATERIAL WITH A MINIMUM SAND EQUIVALENT OF 70.
- NO PIPELINE SHALL BE INSTALLED ON FILL MATERIAL WITHOUT FIRST TESTING IN-PLACE DENSITY TESTS, COMPACTION IN INTERMEDIATE ZONE SHALL BE COMPLETED TO MEET THE ABOVE COMPACTION REQUIREMENTS.
- COMPACTION TESTS SHALL BE REQUIRED FOR ALL TRENCH BACKFILL PER WEST VALLEY WATER DISTRICT STANDARDS AND SPECIFICATIONS AND/OR THE REQUIREMENTS OF ANY AGENCY HAVING JURISDICTION.
- THE CONTRACTOR SHALL REPLACE IN KIND, TO THE SATISFACTION OF THE INSPECTOR AND/OR AGENCY HAVING JURISDICTION, ANY ROAD BASE, PAVING, CURBS AND CUTTER OR OTHER IMPROVEMENTS CUT, REMOVED OR DAMAGED IN CONNECTION WITH THIS PROJECT.
- PIPE DELIVERED TO THE SITE SHALL BE PROTECTED BY THE CONTRACTOR FROM PILE OR OTHER CONTAMINATION PRIOR TO PLACING IN TRENCH AND SHALL BE INSTALLED IN ACCORDANCE WITH DISTRICT STANDARDS TO THE SATISFACTION OF THE DISTRICT'S INSPECTOR. THE CONTRACTOR, AT THE END OF EACH DAY, SHALL ENSURE THAT ALL OPENINGS INTO THE PIPELINE ARE PROPERLY PLUGGED AND STOPPED SO THAT NO ANIMAL, FLOW, OR ROCKET CAN ENTER THE PIPELINE.
- ALL WORK SHALL BE INSPECTED BY THE WEST VALLEY WATER DISTRICT OR ITS AUTHORIZED AGENT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY SUBSEQUENT PHASE OF WORK UNTIL THE PREVIOUS PHASE HAS BEEN INSPECTED AND APPROVED. INSPECTION SHALL BE MADE UP, BUT IS NOT LIMITED TO THE FOLLOWING PHASES OF WORK:
  - TRENCHING, INSTALLATION OF PIPE AND APPURTENANCES, VALVES, FITTINGS, VALVES, METERS, BACKFILL, COMPACTION, LEAKAGE TESTING, LINES FLUSHED AND FINAL INSPECTION.
- THE CONTRACTOR SHALL GIVE AT LEAST 2 WORKING DAYS NOTICE WHEN INSPECTIONS OR ENGINEERING JUDGMENTS BECOME NECESSARY AS SET FORTH IN THE STANDARD SPECIFICATIONS.
- ALL STATIONING SHOWN ON THESE PLANS SHALL BE MEASURED ALONG THE CENTERLINE OF THE STREET OR AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY TRENCHING OR EXCAVATION WORK.
- CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL PIPE BENDS AND FITTINGS, IN ACCORDANCE WITH DISTRICT'S STANDARD DRAWING W-3. INSPECTOR SHALL DETERMINE IF ADDITIONAL THRUST BLOCKS OR RESTRAINTS WILL BE NEEDED IN FIELD.
- AN AIR RELEASE VALVE SHALL BE INSTALLED AT EVERY HIGH POINT IN THE SYSTEM. A BLOW-OFF ASSEMBLY SHALL BE INSTALLED AT EVERY LOW POINT IN THE SYSTEM.
- 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 DRAINING OR PAVING OPERATION.
- VALVES 12-INCHES AND LARGER SHALL BE BUTTERFLY VALVES. VALVES SHALL BE RATED FOR 150 P.S.I. OR AS SHOWN ON THESE PLANS.
- ALL NEW WATER FACILITY IMPROVEMENTS SHALL BE TESTED AND DISINFECTED PRIOR TO CONNECTING TO EXISTING WATER SYSTEM, PER AWWA C651. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY BULKHEADS AS REQUIRED FOR PRESSURE TESTING.
- PIPE 20" AND SMALLER SHALL BE CLASS 350 DUCTILE PIPE, WITH FULLY RESTRAINED JOINTS. PIPE 24" AND LARGER SHALL BE THICKNESS CLASS 150, 10 GA. CEMENT MORTAR LINED AND COATED STEEL PIPE OR AS SPECIFIED.
- WATER SERVICE LATERALS SHALL BE TYPE K COPPER LINE, MINIMUM 1" DIAMETER, WITH 1/2" X 1/2" ANGLE VALVES WITH LOCK WIND ON TOP. THERE SHALL BE A SEPARATE SERVICE FOR EACH LOT BEING SERVED. ONE SERVICE PER PIPE TRENCH. ALL SERVICE VALVES SHALL BE CAPABLE OF 360 DEGREE TURN (LESS STOP).
- ALL WATER SERVICE LATERALS SHALL BE INSTALLED AT THE SAME TIME AS MAIN LINE AND SPURCE SHALL BE ALLOWED ON COPPER SERVICE LATERAL LINE.
- WATER SERVICE LATERALS SHALL BE TERMINATED 12" BEHIND REAR OF FUTURE CURB. IN CITY LIMITS TERMINATE 12" BEHIND FUTURE SIDEWALK.
- FIRE HYDRANTS SHALL BE 6" X 4" X 2-1/2" CLOW MODEL 800 OR EQUAL, PAINTED WITH ONE COAT PRIMER AND ONE COAT YELLOW. THE 4" STEM AND OUTLET SHALL BE PERPENDICULAR TO THE CURB OR FUTURE CURBS.
- DEPTH OF COVER FOR WATER SERVICE LATERALS SHALL BE MINIMUM 30", FOR WATER MAINS 18" AND SMALLER SHALL BE MINIMUM 24", FOR 18" AND LARGER PIPE SHALL BE MINIMUM 42" OR AS SPECIFIED ON PLANS. ALL MEASUREMENTS FROM FINISH GRADE.
- WATER SERVICE IS SUBJECT TO THE CURRENT DISTRICT RULES AND REGULATIONS AND ANY AMENDMENTS THERE TO.

**WATER LINE CONSTRUCTION NOTES (CONT.)**

- 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.
- WATER LINES TO BE INSTALLED ONLY AFTER THE COMPLETION OF CONCRETE CURBS AND OUTLET.
- CONTRACTOR TO FURNISH 2-YEAR WARRANTY BOND FOR ALL WATER FACILITIES INSTALLED WITH THIS PLAN.
- ALL DUCTILE IRON PIPE SHALL BE RESTRAINED PER DISTRICT STANDARD W-30.
- ALL DUCTILE IRON JOINTS, BONDS, AND FITTINGS SHALL BE MECHANICALLY RESTRAINED AS INDICATED ON THE PLANS.
- WATER LINE SHUTDOWNS ARE ONLY SCHEDULED BETWEEN TUESDAY THROUGH THURSDAY BASED ON DISTRICT AVAILABILITY.
- WATER METERS WILL NOT BE RELEASED UNTIL COMPACTION REPORTS ARE RECEIVED AND APPROVED BY THE DISTRICT.
- ALL WORK SHALL BE COMPLETED PER THE DISTRICT APPROVED PLAN, ANY CHANGES, SUBSTITUTIONS OR DEVIATIONS FROM THESE PLANS MUST FIRST BE APPROVED BY THE DISTRICT BEFORE COMMENCING.
- ALL WATER MAIN SEPARATION CRITERIA SHALL COMPLY WITH TITLE 22, CHAPTER 16, SECTION 84572 OF THE CALIFORNIA WATERWORKS STANDARDS. THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, DIVISION OF DRINKING WATER (COW) REQUIRES A WAIVER FOR ALL INSTALLATIONS SEEKING A SEPARATION WAIVER FROM THIS MANDATE PRIOR TO CONSTRUCTION. COW WAIVERS ARE REVIEWED AND SUBMITTED BY THE DISTRICT FOR FINAL APPROVAL. WATER MAINS THAT ARE CONSTRUCTED IN VIOLATION OF A COW REQUIREMENT AND WITHOUT A COW WAIVER, WILL NOT BE APPROVED BY THE DISTRICT AND CONNECTION TO THE DISTRICT'S WATER SYSTEM WILL BE DENIED. NOTE: COW DOES NOT ISSUE WAIVERS FOR WATER MAINS ALREADY CONSTRUCTED.

**CORROSION PROTECTION NOTES FOR PVC PIPING**

- CORROSION PROTECTION IS REQUIRED FOR BURIED METALLIC COMPONENTS ON PVC PIPE.
- ALL BURIED METALLIC COMPONENTS, I.E. WAIVER PLATES, TRANSITION COUPLERS AND DUCTILE IRON CROSSES, TEES, ELBOWS AND COUPLERS SHALL BE WRAPPED WITH PETROLGARD 100 DVE PER AWWA C-217.
- COPPER TUBING SERVICE LATERALS SHALL BE BACKFILLED IN A 3-INCH (MIN.) ENVELOPE OF CLEAN SAND.
- BRASS 2-INCH AIR-VACUUM RELEASE LATERALS SHALL BE DIPPED IN A 6 MIL (2000 MICRO) PLASTIC SLEEVE AS SHOWN ON THE DISTRICT STANDARD DRAWING NO. 4102. WRAP ALL FERROUS COMPONENTS, I.E. 2-INCH GATE VALVE WITH PETROLGARD 100 DVE.
- STEEL LATERALS CONNECTED TO PVC PIPE MAINS, I.E. AIR-VALVE BLOW-OFFS AND FIRE HYDRANTS DO NOT REQUIRE BORING. BONDS ARE REQUIRED AT ALL MECHANICAL JOINTS ON STEEL LATERALS CONNECTED TO STEEL PIPE.
- ALL MAX TYPE APPLICATIONS AND SAID TRENCH PADDING AND SHADING SHALL BE INSPECTED BY THE PROJECT MANAGER OR INSPECTOR PRIOR TO SUEAL.

**DESIGN**

THIS CERTIFIES THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN DESIGNED UNDER THE DIRECT SUPERVISION OF A CIVIL ENGINEER LICENSED IN STATE OF CALIFORNIA AND ARE IN ACCORDANCE WITH TITLE 22 CODE OF REGULATIONS, CHAPTER 16, CALIFORNIA WATERWORKS STANDARD OF THE STATE OF CALIFORNIA.

*Colo. Beaman* 45183 8/30/24 10/14/22  
 CAROL L. BEAMAN REG. NO. & EXPIRATION DATE DATE

**FIRE**

FIRE PROTECTION SYSTEM REVIEWED AND APPROVED BY:

NAME OF AGENCY \_\_\_\_\_

PRINT NAME OF FIRE AGENCY PERSONNEL SIGNING BELOW \_\_\_\_\_

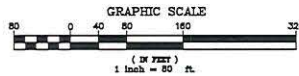
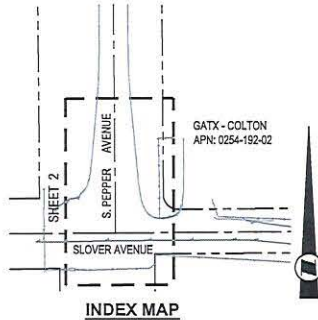
SIGNATURE OF FIRE AGENCY TITLE DATE \_\_\_\_\_

**WATER**

THIS CERTIFIES THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN REVIEWED BY AND ACCEPTED BY THE WEST VALLEY WATER DISTRICT AGENT THAT THE DISTRICT IS WILLING AND ABLE TO SUPPLY WATER TO SERVE THIS LOCATION.

SIGNATURE TITLE DATE \_\_\_\_\_

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



**CONSTRUCTION NOTES**

**ESTIMATED QUANTITIES**

- ① - INSTALL 12" CLIP, CLASS 350 WITH FULLY RESTRAINED JOINTS AND TRENCH EXCAVATION / BACKFILL AND PAVING PER WVO STD. DWG. NO. W-30 AND W-1 \_\_\_\_\_ 164 LF.
- ② - INSTALL 24" X 12" 90° ELBOW PER WVO STD. DWG. NO. W-30 \_\_\_\_\_ 1 EA.
- ③ - INSTALL 12" CL. 90° BEND \_\_\_\_\_ 1 EA.
- ④ - INSTALL FIRE HYDRANT PER WVO STD. DWG. NO. W-2 \_\_\_\_\_ 1 EA.
- ⑤ - INSTALL 12" CLIP, FIRE SERVICE LATERAL PER WVO STD. DWG. NO. W-20 \_\_\_\_\_ 1 EA.
- ⑥ - INSTALL 10" O.D. FIRE SERVICE ASSEMBLY PER WVO STD. DWG. NO. W-15 WITH BLIND FLANGE ON END \_\_\_\_\_ 1 EA.
- ⑦ - INSTALL 4" WATER SERVICE WITH 4" METERS PER WVO STD. DWG. NO. W-9 \_\_\_\_\_ 1 EA.
- ⑧ - INSTALL 2" AIR VALVE ASSEMBLY PER WVO STD. DWG. NO. W-6A \_\_\_\_\_ 1 EA.
- ⑨ - INSTALL 4" BACKFLOW PREVENTER PER WVO STD. DWG. NO. W-20 \_\_\_\_\_ 1 EA.
- ⑩ - INSTALL 12" BLIND FLANGE AT HYDRANT TEE \_\_\_\_\_ 1 EA.

**OWNERS/DEVELOPERS**

GATX  
 20878 SLOVER AVENUE  
 COLTON, CALIFORNIA 92324  
 (909) 825-3043

**LEGEND**

- - - - - EXISTING EDGE OF PAVEMENT
- - - - - EXISTING AIR BERM
- - - - - EXISTING RIGHT OF WAY
- - - - - STREET CENTER LINE
- - - - - EXISTING WATER LINE
- - - - - PROPOSED WATER LINE
- ⊕ EXISTING GATE VALVE
- ⊖ PROPOSED REDUCER
- PROPOSED AIR VALVE ASSEMBLY

**BENCH MARK**

COUNTY OF SAN BERNARDINO TBM, ELEVATION=10125.108  
 FOUND CHECKED BOX IN SOUTH CURB TOP BY POWER POLE #11213L, ±180' WEST OF GRAND AVENUE ALONG N STREET PER CSDS 4048/844 AND 4017/2234.

**BASIS OF BEARINGS**

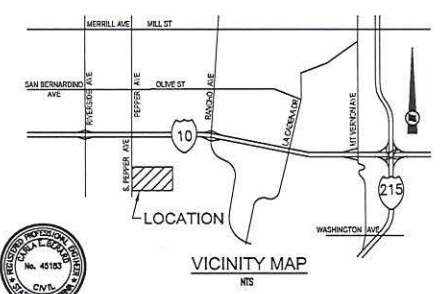
THE BEARING OF NORTH 02°55'54" WEST FOR THE CENTERLINE OF PEPPER AVENUE AS SHOWN ON RECORD OF SURVEY 18-0143, FILED IN BOOK 2 PAGES 2-3 OF RECORDS OF SURVEY WAS USED AS THE BASIS OF BEARINGS FOR THIS SURVEY.

**NOTE:**

CONTRACTOR SHALL POTHOLE EXISTING PIPE TO VERIFY LOCATION & DEPTH PRIOR TO CONSTRUCTION OF THE ON-SITE IMPROVEMENTS. IF THERE IS ANY DISCREPANCY BETWEEN THE FIELD CONDITION AND THE IMPROVEMENT PLAN, ADJUSTMENTS MAY BE NECESSARY TO MEET THE EXISTING CONDITION.

**SHEET INDEX**

SHEET 1 - TITLE SHEET  
 SHEET 2 - PLAN & PROFILE SLOVER AND S. PEPPER AVENUE STA. 10+00.00 TO 11+64.00



**811**  
 Know what's Below.  
 Call before you dig.

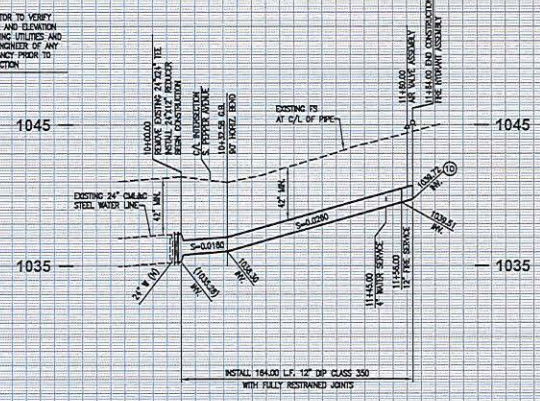
**ENGINEER'S NOTICE TO CONTRACTORS**  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. IF ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT, THE CONTRACTOR IS REQUIRED TO TAKE THE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CONTRACTOR ACCEPTED AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINGUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR CONTRACTOR AGREES TO DEFEND, HOLD HARMLESS AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.	<table border="1"> <thead> <tr> <th>Revision</th> <th>No.</th> <th>By</th> <th>Date</th> <th>Approval</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Revision	No.	By	Date	Approval						<table border="1"> <thead> <tr> <th>APPROVED</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	APPROVED	DATE			<p><b>LDKING</b> L.D. KING, INC.          875 N. HAVEN AVENUE, SUITE 200          ONTARIO, CA 91764 (909)-345-0528</p>	<p><b>WEST VALLEY WATER DISTRICT</b>  <b>WATER IMPROVEMENT PLANS FOR</b>          GATX          20878 SLOVER AVENUE COLTON, CA 92324</p>	<p>SHEET          1 of 2          SHEETS</p>
Revision	No.	By	Date	Approval															
APPROVED	DATE																		

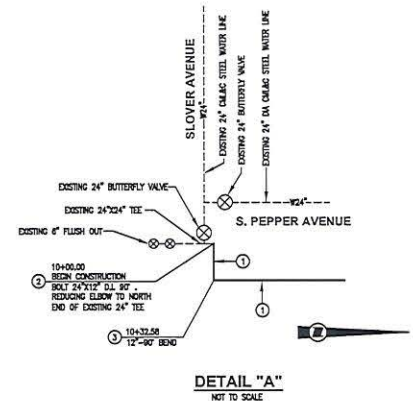
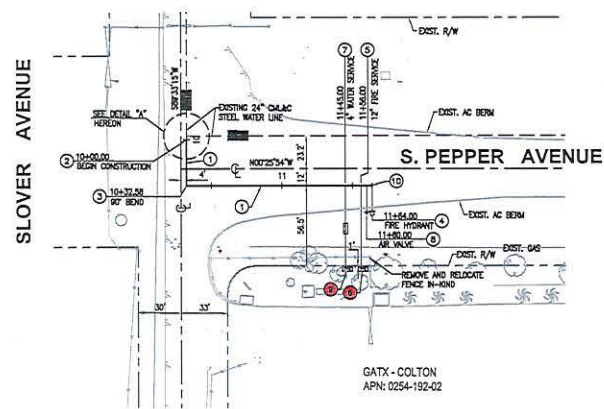
E:\VOP\1703\1703-0254-192\Drawings\WATER\WATER IMPROVEMENT PLANS FOR GATX - COLTON.dwg, Plotted On: 11/14/2024 11:59:00 AM



NOTE:  
CONTRACTOR TO VERIFY  
LOCATION AND ELEVATION  
OF EXISTING UTILITIES AND  
NOTIFY ENGINEER OF ANY  
DISCREPANCY PRIOR TO  
CONSTRUCTION



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

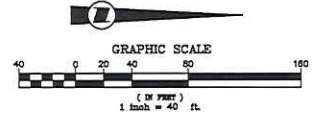


**CONSTRUCTION NOTES**

- 1 INSTALL 12" D.I.P. CLASS 350 WITH FULLY RESTRAINED JOINTS AND TRENCH EXCAVATION / BACKFILL AND FINING PER WWWD STD. DWG. NO. W-30 AND W-1
- 2 INSTALL 24" X 12" D.I. 90° REDUCING ELBOW PER WWWD STD. DWG. NO. W-30
- 3 INSTALL 12" D.I. 90° BEND
- 4 INSTALL FIRE HYDRANT PER WWWD STD. DWG. NO. W-2
- 5 INSTALL 12" D.I.P. FIRE SERVICE LATERAL PER WWWD STD. DWG. NO. W-28
- 6 INSTALL 10" D.C.M. FIRE SERVICE ASSEMBLY PER WWWD STD. DWG. NO. W-15 WITH BLIND FLANGE ON END
- 7 INSTALL 4" WATER SERVICE WITH 4" METER PER WWWD STD. DWG. NO. W-9
- 8 INSTALL 2" AIR VALVE ASSEMBLY PER WWWD STD. DWG. NO. W-5A
- 9 INSTALL 4" BACKFLOW PREVENTER PER WWWD STD. DWG. NO. W-20
- 10 INSTALL 12" BLIND FLANGE AT HYDRANT TEE

**SERVICE LATERAL LOCATIONS**

#	DESCRIPTION	"DESIGN" LOCATIONS	"AS-BUILT" LOCATIONS
1	IRRIGATION	11+41.00	
2	WATER	11+45.00	
3	FIRE	11+56.00	



CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR ANY SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR PARTIES HERETO TO OBTAIN, MAINTAIN AND HOLD BEYOND PROFESSIONAL LIABILITY FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

Revision	No.	By	Date	Approval

APPROVED \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Designed: CSB Checked: \_\_\_\_\_ Soils: \_\_\_\_\_  
 Drawn: AM/JC Job No. \_\_\_\_\_ AS SHOWN

**LDKING** L.D. KING, INC.  
 875 N. HAVEN AVENUE, SUITE 200  
 OAKLAND, CA 94704 (909)-945-0328

Pressure Zone: ZONE 2  
 Alias Sheet: N/S  
 WIP Number: 202018

**WEST VALLEY WATER DISTRICT**  
**WATER IMPROVEMENT PLANS FOR**  
 GATX  
 20876 SLOVER AVENUE COLTON, CA 92324

SHEET 2 OF 2  
 SHEETS

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 GATX