



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

**ENGINEERING, OPERATIONS & PLANNING
COMMITTEE MEETING
AGENDA**

WEDNESDAY, FEBRUARY 9TH, 2021 - 6:00 PM

NOTICE IS HEREBY GIVEN that West Valley Water District has called a meeting of the Engineering, Operations & Planning Committee to meet in the District Headquarters, 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, a meeting in person would present imminent risks to the health or safety of attendees. 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. There will be no public access to the meeting venue. 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 the Executive Assistant at administration@wvwd.org.

BOARD OF DIRECTORS

Director Greg Young, (Chair)
Director Angela Garcia

- 1. CONVENE MEETING**
- 2. 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.

3. DISCUSSION ITEMS

- A. Updates to the Engineering Committee.
- B. Mid-Year Budget Review.
- C. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc (Tr 20362 Lot 5 Gardens at the Arboretum).
- D. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc (Tr 20362 Lot 6 Gardens at the Arboretum).
- E. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc (Tr 20363 Gardens at the Arboretum).
- F. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc (Tr 20364 Gardens at the Arboretum).
- G. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc (Tr 20362 Gardens at the Arboretum Collector Streets).
- H. Consider Water System Infrastructure Installation and Conveyance Agreement with Lennar Homes of California, Inc for River Ranch PA4 Tract 20207.
- I. Consider Water System Infrastructure Installation and Conveyance Agreement with BSREP III Sierra Grande, LLC for PM 20167 on Sierra Ave and Casa Grande Dr.

4. 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 & Planning Committee Agenda at the District Offices on February 3, 2022.



Maisha Mesa, Executive Assistant



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

DATE: February 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Shamindra Manbahal, General Manager
SUBJECT: CONSIDER A WATER SYSTEM INFRASTRUCTURE INSTALLATION AND CONVEYANCE AGREEMENT WITH LENNAR HOMES OF CALIFORNIA, INC (TRACT 20362 LOT 5 GARDENS AT THE ARBORETUM)

BACKGROUND:

Lennar Homes of California, Inc. (“Developer”) is the owner of land located north of Casa Grande Avenue, east of Sierra Avenue, west of Cypress Avenue, and south of Duncan Canyon Road, in the City of Fontana, known as the Gardens at the Arboretum. The Developer has subdivided the land into multiple tracts and lots to be developed into single family residential homes within the Gardens at the Arboretum. Tract 20362 Lot 5, (“Development”), is part of this master planned community containing residential lots and is required to construct new water mains and related facilities within the tract to allow for new domestic and irrigation connections.

DISCUSSION:

West Valley Water District (“District”) and the Developer wish to enter into a Developer-Installed Water System Infrastructure Installation and Conveyance Agreement (“Agreement”) to construct the water facilities needed to supply water to the Development. This Agreement outlines the responsibilities of the Developer 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 Water System Infrastructure Installation and Conveyance Agreement for this development which also includes the location of the Development.

FISCAL IMPACT:

No fiscal impact to the District.

STAFF RECOMMENDATION:

Staff recommends that this item be submitted for consideration, and that the Board of Directors approve this item and authorize the General Manager to execute the necessary documents.

Respectfully Submitted,

Shamindra Manbahal

Shamindra Manbahal, General Manager

DG:ls

ATTACHMENT(S):

1. Exhibit A - Water System Infrastructure Installation Agreement

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 **February 17, 2022**, by and between **LENNAR HOMES OF CALIFORNIA, INC** (“Developer”), and **WEST VALLEY WATER DISTRICT** (“District”) who agree as follows:

The Developer is the owner of certain land described as **TRACT 20362 LOT 5**, 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 TRACT 20362 LOT 5**, 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 TRACT 20362 LOT 5**, 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 TRACT 20362 LOT 5

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

LENNAR HOMES OF CALIFORNIA, INC
 ATTENTION: Geoffrey L. Smith, Vice President
 980 MONTECITO, SUITE 302
 CORONA, CA
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20362 LOT 5

7.4. Notices required shall be given to **Surety** addressed as follows:

SURETY NAME:
 ADDRESS
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20362 LOT 5

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 thereof, 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: _____
Shamindra Manbahal, General Manager

DEVELOPER:

Lennar Homes of California, Inc
a California Corporation

By: _____ Date: _____
Geoffrey L. Smith, Vice President

Exhibit A

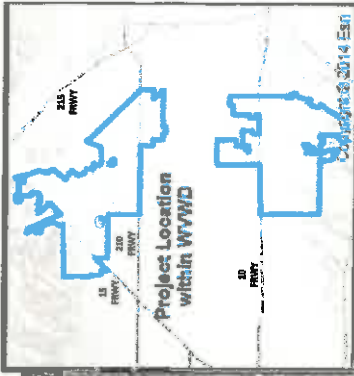
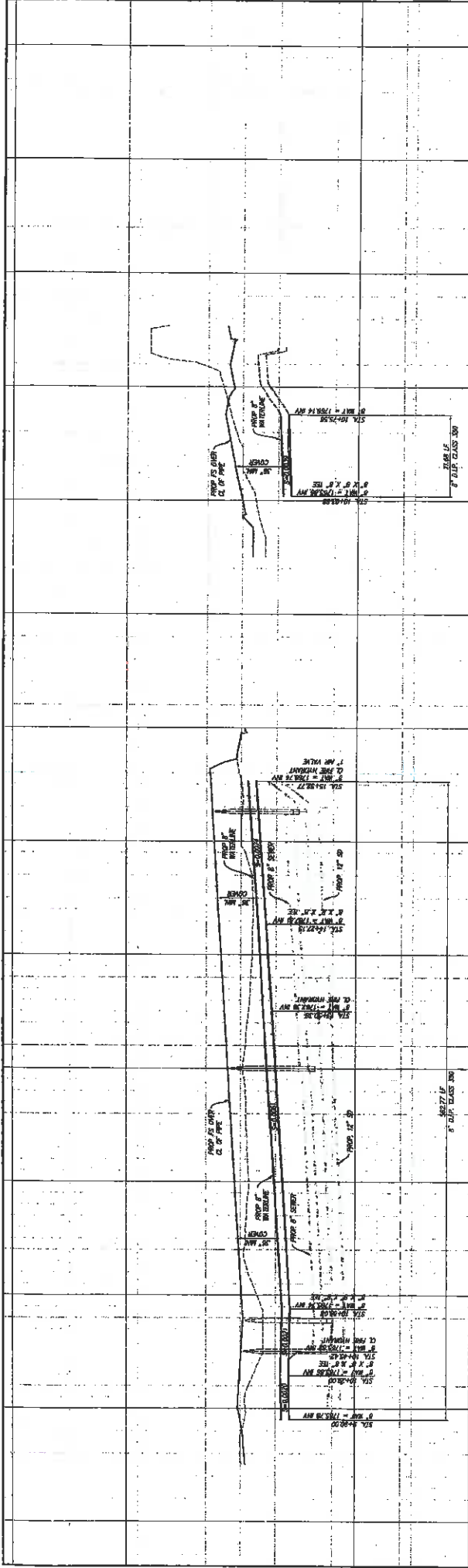


Exhibit A
Gardens at Arboretum Tract 20362 (Lot 5)



Exhibit B



WATER SERVICE TABLE

UNIT	DESIGN STA	'AS-BUILT' STA
1	10+25.25	10+25.25
2	11+00.00	11+00.00
3	11+00.00	11+00.00
4	11+00.00	11+00.00
5	11+00.00	11+00.00
6	11+00.00	11+00.00
7	11+00.00	11+00.00
8	11+00.00	11+00.00
9	11+00.00	11+00.00
10	11+00.00	11+00.00
11	11+00.00	11+00.00

WATER SERVICE TABLE

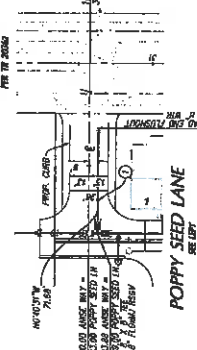
UNIT	DESIGN STA	'AS-BUILT' STA
12	11+00.00	11+00.00
13	11+00.00	11+00.00
14	11+00.00	11+00.00
15	11+00.00	11+00.00
16	11+00.00	11+00.00
17	11+00.00	11+00.00
18	11+00.00	11+00.00
19	11+00.00	11+00.00
20	11+00.00	11+00.00
21	11+00.00	11+00.00
22	11+00.00	11+00.00
23	11+00.00	11+00.00
24	11+00.00	11+00.00
25	11+00.00	11+00.00
26	11+00.00	11+00.00



- WATER CONSTRUCTION NOTES**
1. VERIFY AND CORRECT IF OLD CLASS 300 WITH FULLY RESTRAINED JOINTS IN PLACE FOR WWD STA. DETAIL W-1
 2. VERIFY AND INSTALL 8" FLANGED TEE ALL
 3. VERIFY AND INSTALL 8" FIVE HOLES ASSEMBLY PER WWD STA. DETAIL W-2 WITH 1/2" HOLES FOR 1" AIR VALVE ASSEMBLY PER WWD STA. DETAIL W-4
 4. VERIFY AND INSTALL 1" AIR VALVE PER WWD STA. DETAIL W-4
 5. CONNECT TO EXIST. WATER
 6. VERIFY AND INSTALL 8" GATE VALVE PER WWD STA. DETAIL W-1
 7. BRUSH, POLISH, AND BARREL PER WWD STA. DETAIL W-1
 8. INSTALL 1" WATER SERVICE LATERAL WITH 1" GATE VALVE PER WWD STA. DETAIL W-1
 9. INSTALL 4" FLUSH-OUT ASSEMBLY PER WWD STA. DETAIL W-4

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TK 20362 - C3
POPPY SEED LANE & ANISE WAY

2 SHEET
 5 SHEETS
 DWG. NO.

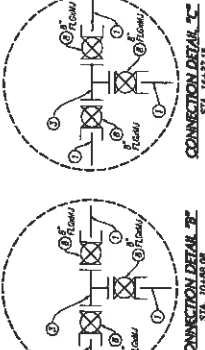
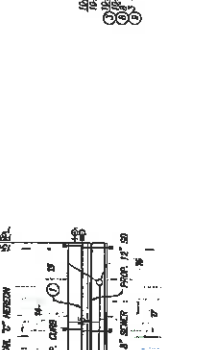
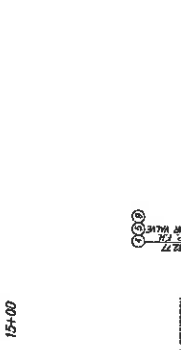


- ANISE WAY**
- 11+00.00 ANISE WAY
 305/327 BARBERS ST

ENGINEERING
 DATE 11/17/2010
 307 N. SUGAR CREEK
 SALT LAKE CITY, UT 84119
 (801) 488-1000
 FAX (801) 488-1000
 www.kva.com

KVA ENGINEERING
 LARRY PARRISH
 REGISTERED PROFESSIONAL ENGINEER
 No. 10000
 EXP. 12/31/2012

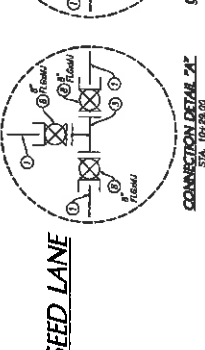
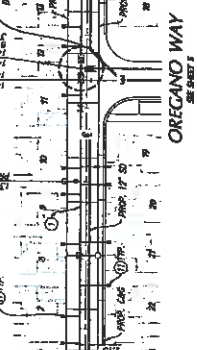
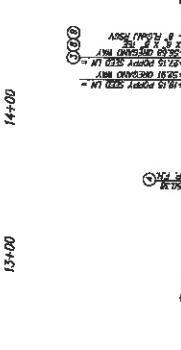
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CONNECTION DETAIL 2A
 STA. 11+44.715
 NTS

CONNECTION DETAIL 2B
 STA. 10+48.00
 NTS

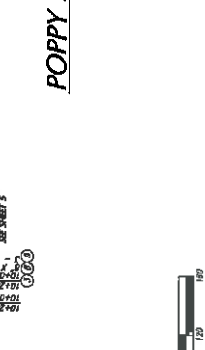
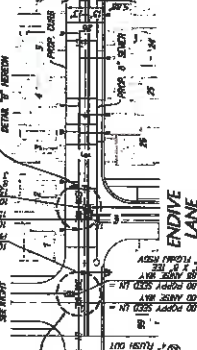
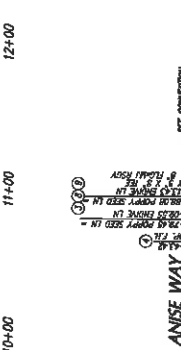
CONNECTION DETAIL 2C
 STA. 11+44.715
 NTS



CONNECTION DETAIL 2A
 STA. 10+28.00
 NTS

CONNECTION DETAIL 2B
 STA. 10+48.00
 NTS

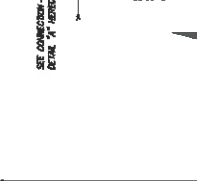
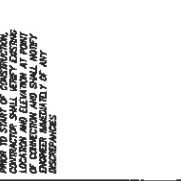
CONNECTION DETAIL 2C
 STA. 11+44.715
 NTS



CONNECTION DETAIL 2A
 STA. 10+28.00
 NTS

CONNECTION DETAIL 2B
 STA. 10+48.00
 NTS

CONNECTION DETAIL 2C
 STA. 11+44.715
 NTS



CONNECTION DETAIL 2A
 STA. 10+28.00
 NTS

CONNECTION DETAIL 2B
 STA. 10+48.00
 NTS

CONNECTION DETAIL 2C
 STA. 11+44.715
 NTS

PRIOR TO START OF CONSTRUCTION, VERIFY AND CORRECT IF OLD CLASS 300 WITH FULLY RESTRAINED JOINTS IN PLACE FOR WWD STA. DETAIL W-1

CONSTRUCTION CONTRACTORS SHALL VERIFY AND CORRECT IF OLD CLASS 300 WITH FULLY RESTRAINED JOINTS IN PLACE FOR WWD STA. DETAIL W-1

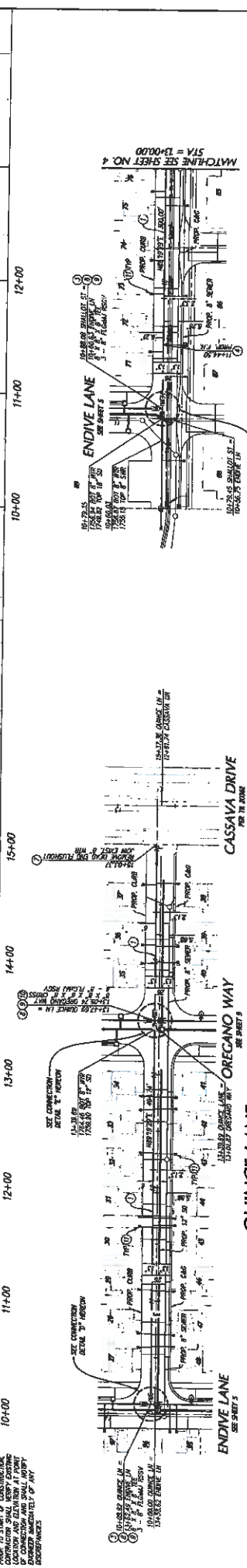
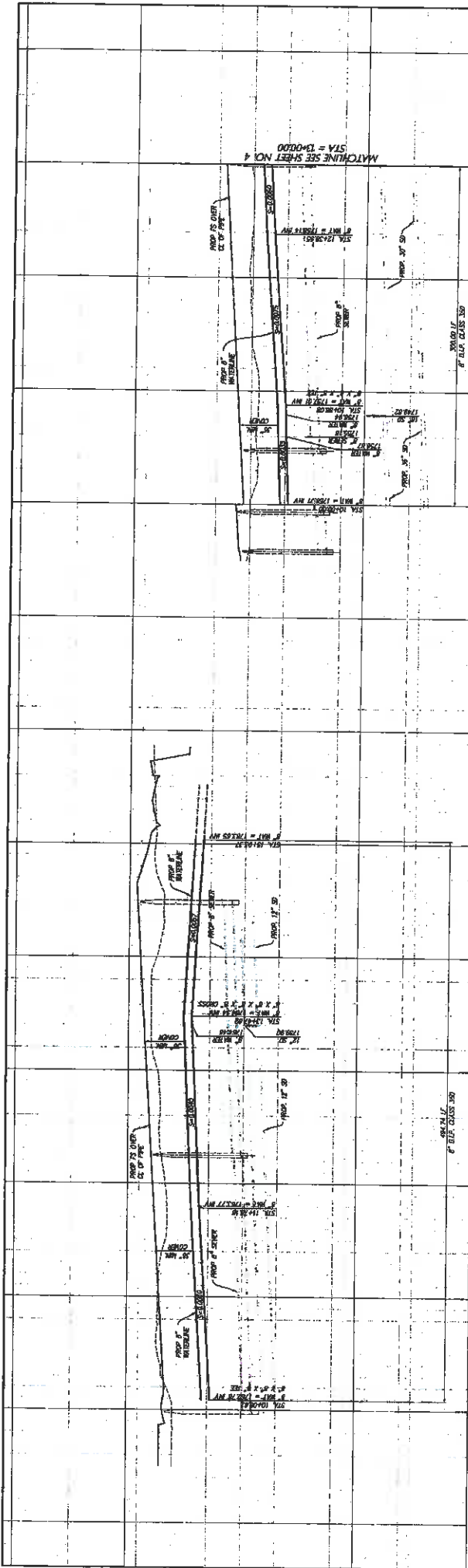
WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
QUINCE LAKE & SHALLOT STREET
 STA. 10+00 - 13+00

DATE: 01-27-17
 DRAWN BY: J.S. SHAW
 CHECKED BY: J.S. SHAW
 SCALE: AS SHOWN
 APPROVED BY: J.S. SHAW

ENGINEERING
K&A
 LAND PLANNING
 SURVEYING
 1400 N. FALCON, FORT COCKER
 SAN JOSE, CA 95128
 TEL: (408) 274-4200
 FAX: (408) 274-4200

SEAL: [Professional Engineer Seal]

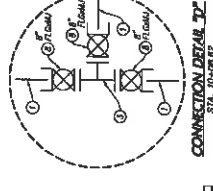
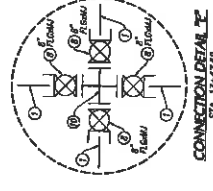
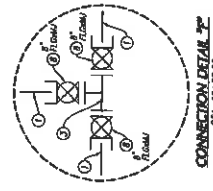
- WATER CONSTRUCTION NOTES**
1. FURNISH AND INSTALL 8" DIA. CLASS 300 WITH FULLY RESTRAINED JOINTS BY FRENCH PER WWD STD. Dwg. No. W-1
 2. FURNISH AND INSTALL 6" DIA. CLASS 300 WITH FULLY RESTRAINED JOINTS BY FRENCH PER WWD STD. Dwg. No. W-1
 3. FURNISH AND INSTALL 4" DIA. CLASS 300 WITH FULLY RESTRAINED JOINTS BY FRENCH PER WWD STD. Dwg. No. W-1
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 9. FURNISH AND INSTALL 2" DIA. CLASS 300 WITH FULLY RESTRAINED JOINTS BY FRENCH PER WWD STD. Dwg. No. W-1
 10. FURNISH AND INSTALL 1" DIA. CLASS 300 WITH FULLY RESTRAINED JOINTS BY FRENCH PER WWD STD. Dwg. No. W-1



SHALLOT STREET

MANHOLE SERVICE TABLE

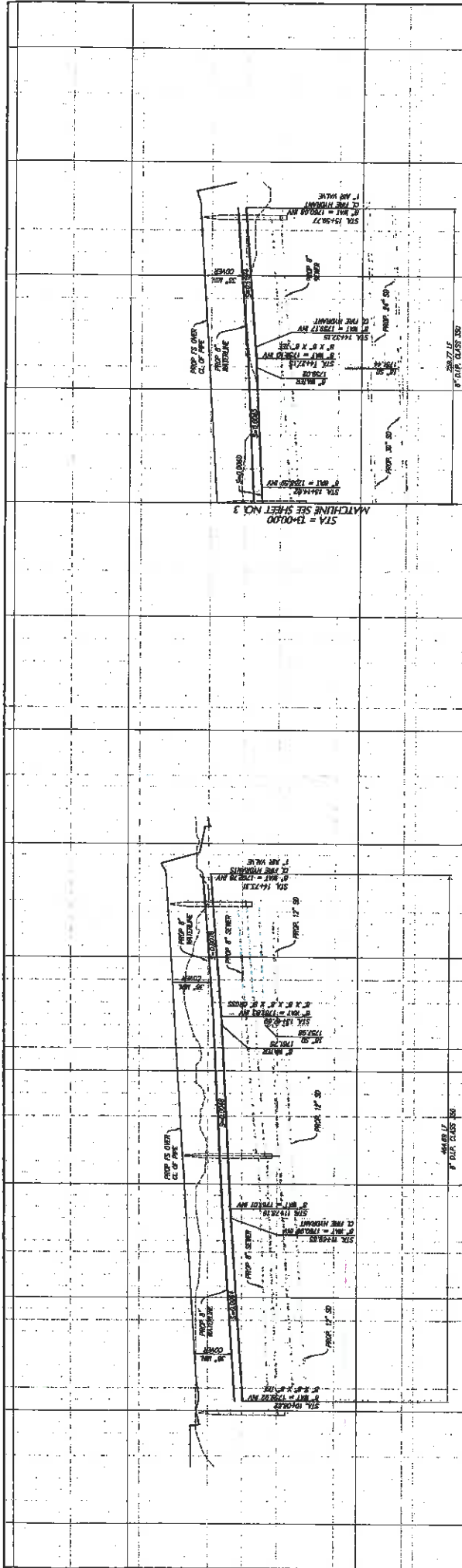
DEPTH	MANHOLE STA.	1/4\"/>
1	10+00.00	10+00.00
2	10+05.00	10+05.00
3	10+10.00	10+10.00
4	10+15.00	10+15.00
5	10+20.00	10+20.00
6	10+25.00	10+25.00
7	10+30.00	10+30.00
8	10+35.00	10+35.00
9	10+40.00	10+40.00
10	10+45.00	10+45.00
11	10+50.00	10+50.00
12	10+55.00	10+55.00
13	10+60.00	10+60.00
14	10+65.00	10+65.00
15	10+70.00	10+70.00
16	10+75.00	10+75.00
17	10+80.00	10+80.00
18	10+85.00	10+85.00
19	10+90.00	10+90.00
20	10+95.00	10+95.00
21	11+00.00	11+00.00
22	11+05.00	11+05.00
23	11+10.00	11+10.00
24	11+15.00	11+15.00
25	11+20.00	11+20.00
26	11+25.00	11+25.00
27	11+30.00	11+30.00
28	11+35.00	11+35.00
29	11+40.00	11+40.00
30	11+45.00	11+45.00
31	11+50.00	11+50.00
32	11+55.00	11+55.00
33	11+60.00	11+60.00
34	11+65.00	11+65.00
35	11+70.00	11+70.00
36	11+75.00	11+75.00
37	11+80.00	11+80.00
38	11+85.00	11+85.00
39	11+90.00	11+90.00
40	11+95.00	11+95.00
41	12+00.00	12+00.00
42	12+05.00	12+05.00
43	12+10.00	12+10.00
44	12+15.00	12+15.00
45	12+20.00	12+20.00
46	12+25.00	12+25.00
47	12+30.00	12+30.00
48	12+35.00	12+35.00
49	12+40.00	12+40.00
50	12+45.00	12+45.00
51	12+50.00	12+50.00
52	12+55.00	12+55.00
53	12+60.00	12+60.00
54	12+65.00	12+65.00
55	12+70.00	12+70.00
56	12+75.00	12+75.00
57	12+80.00	12+80.00
58	12+85.00	12+85.00
59	12+90.00	12+90.00
60	12+95.00	12+95.00
61	13+00.00	13+00.00



CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING UTILITIES AND PROVIDING THE NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE WEST VALLEY WATER DISTRICT AND THE LOCAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE WEST VALLEY WATER DISTRICT AND THE LOCAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE WEST VALLEY WATER DISTRICT AND THE LOCAL AGENCIES.



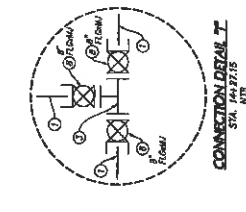
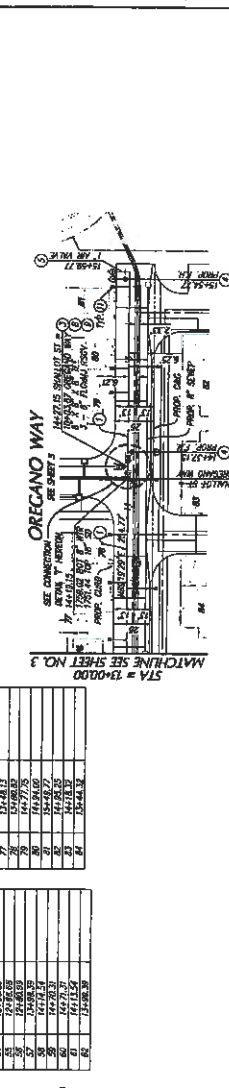
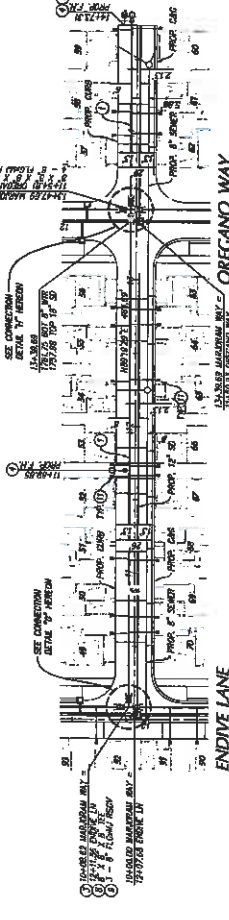
DATE: 01-27-17
 DRAWN BY: J.S. SHAW
 CHECKED BY: J.S. SHAW
 SCALE: AS SHOWN
 APPROVED BY: J.S. SHAW



PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND LOCATIONS OF ALL CONDUITS AND SMALL UTILITY FACILITIES.

UNIT	WATER SERVICE PACE	DESIGN STA	240'-MIN. STA
49	104+88.29	104+88.29	104+88.29
50	107+48.29	107+48.29	107+48.29
51	110+08.29	110+08.29	110+08.29
52	112+68.29	112+68.29	112+68.29
53	115+28.29	115+28.29	115+28.29
54	117+88.29	117+88.29	117+88.29
55	120+48.29	120+48.29	120+48.29
56	123+08.29	123+08.29	123+08.29
57	125+68.29	125+68.29	125+68.29
58	128+28.29	128+28.29	128+28.29
59	130+88.29	130+88.29	130+88.29
60	133+48.29	133+48.29	133+48.29
61	136+08.29	136+08.29	136+08.29
62	138+68.29	138+68.29	138+68.29
63	141+28.29	141+28.29	141+28.29
64	143+88.29	143+88.29	143+88.29

STATION	DESCRIPTION	DATE
10+00	START OF CONSTRUCTION	10/15/23
11+00	INSTALL VALVE	11/15/23
12+00	INSTALL MANHOLE	12/15/23
13+00	INSTALL VALVE	13/15/23
14+00	INSTALL MANHOLE	14/15/23
15+00	END OF CONSTRUCTION	15/15/23



WATER CONSTRUCTION NOTES

- 1. REFER TO CONTRACT FOR ALL CLASS 200 WITH FULLY RESTRAINED JOINTS IN ALL PIPE.
- 2. REFER TO INSTALL 8" 45° ELBOW ALL.
- 3. REFER TO INSTALL 8" FLANGED SEE 1A.
- 4. REFER TO INSTALL 8" FLANGED SEE 1B.
- 5. REFER TO INSTALL 8" FLANGED SEE 1C.
- 6. REFER TO INSTALL 8" FLANGED SEE 1D.
- 7. REFER TO INSTALL 8" FLANGED SEE 1E.
- 8. REFER TO INSTALL 8" FLANGED SEE 1F.
- 9. REFER TO INSTALL 8" FLANGED SEE 1G.
- 10. REFER TO INSTALL 8" FLANGED SEE 1H.
- 11. REFER TO INSTALL 8" FLANGED SEE 1I.
- 12. REFER TO INSTALL 8" FLANGED SEE 1J.
- 13. REFER TO INSTALL 8" FLANGED SEE 1K.
- 14. REFER TO INSTALL 8" FLANGED SEE 1L.
- 15. REFER TO INSTALL 8" FLANGED SEE 1M.
- 16. REFER TO INSTALL 8" FLANGED SEE 1N.
- 17. REFER TO INSTALL 8" FLANGED SEE 1O.
- 18. REFER TO INSTALL 8" FLANGED SEE 1P.
- 19. REFER TO INSTALL 8" FLANGED SEE 1Q.
- 20. REFER TO INSTALL 8" FLANGED SEE 1R.
- 21. REFER TO INSTALL 8" FLANGED SEE 1S.
- 22. REFER TO INSTALL 8" FLANGED SEE 1T.
- 23. REFER TO INSTALL 8" FLANGED SEE 1U.
- 24. REFER TO INSTALL 8" FLANGED SEE 1V.
- 25. REFER TO INSTALL 8" FLANGED SEE 1W.
- 26. REFER TO INSTALL 8" FLANGED SEE 1X.
- 27. REFER TO INSTALL 8" FLANGED SEE 1Y.
- 28. REFER TO INSTALL 8" FLANGED SEE 1Z.

WATER CONSTRUCTION NOTES

- 1. REFER TO CONTRACT FOR ALL CLASS 200 WITH FULLY RESTRAINED JOINTS IN ALL PIPE.
- 2. REFER TO INSTALL 8" 45° ELBOW ALL.
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- 28. REFER TO INSTALL 8" FLANGED SEE 1Z.

WATER CONSTRUCTION NOTES

- 1. REFER TO CONTRACT FOR ALL CLASS 200 WITH FULLY RESTRAINED JOINTS IN ALL PIPE.
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- 26. REFER TO INSTALL 8" FLANGED SEE 1X.
- 27. REFER TO INSTALL 8" FLANGED SEE 1Y.
- 28. REFER TO INSTALL 8" FLANGED SEE 1Z.

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
MARJORAM WAY & SHALLOT STREET
 10+00 - 15+00

ENGINEERING
 K&A ENGINEERING
 1000 W. 15TH AVENUE, SUITE 100
 DENVER, CO 80202
 TEL: (303) 733-1200
 FAX: (303) 733-1200
 WWW.K&AENGINEERING.COM

DESIGNER
 [Signature]

DATE
 10/15/23

SCALE
 AS SHOWN

APPROVED
 [Signature]

DATE
 10/15/23

3.b.1.a

**WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20362 - GS
ENDIVE LANE & OREGANO WAY**

**ENGINEERING
LAND PLANNING
SURVEYING**
K&A
KATHLEEN A. KREUZER, P.E.
KEVIN J. ANDERSON, P.E.
KYLE R. HENNING, P.E.
DENVER/1928-009

DATE: _____
PROJECT NO.: _____
SHEET NO.: _____ OF _____
DATE: _____

APPROVED: _____
DATE: _____
CHECKED: _____
DATE: _____

DISTRICT: _____
STATION: _____

APPROVAL: _____
DATE: _____

DIGITAL
INTEGRITY
RESISTANCE TO ALTERATION

NOT TO SCALE
PLANS SHOWN
WATER SERVICE LAYOUT

WATER CONSTRUCTION NOTES
1. FURNISH AND INSTALL 6" DIA. CLASS 300 RIB FULLY REINFORCED JARVIS IN
2. FURNISH AND INSTALL 8" FLANGED RIGID C.I.
3. FURNISH AND INSTALL 1" DIA. VALVE PER WWD STD. SPEC. VOL. 14, P-11
4. FURNISH AND INSTALL 1" DIA. VALVE PER WWD STD. SPEC. VOL. 14, P-11
5. FURNISH AND INSTALL 1" DIA. VALVE PER WWD STD. SPEC. VOL. 14, P-11
6. FURNISH AND INSTALL 1" DIA. VALVE PER WWD STD. SPEC. VOL. 14, P-11

OREGANO WAY

ENDIVE LANE

SHALOTT STREET

MARIORUM LANE

QUINCE LANE

POPPY SEED LANE

WATER SERVICE LANE	
LINE	DESIGN SIZE
01	14x20
02	14x20
03	14x20
04	14x20
05	14x20
06	14x20
07	14x20
08	14x20
09	14x20
10	14x20
11	14x20
12	14x20

SCALE: 1"=50'

**WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20362 - GS
ENDIVE LANE & OREGANO WAY**

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



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

DATE: February 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Shamindra Manbahal, General Manager
SUBJECT: CONSIDER A WATER SYSTEM INFRASTRUCTURE INSTALLATION AND CONVEYANCE AGREEMENT WITH LENNAR HOMES OF CALIFORNIA, INC (TRACT 20362 LOT 6 GARDENS AT THE ARBORETUM)

BACKGROUND:

Lennar Homes of California, Inc. (“Developer”) is the owner of land located north of Casa Grande Avenue, east of Sierra Avenue, west of Cypress Avenue, and south of Duncan Canyon Road, in the City of Fontana, known as the Gardens at the Arboretum. The Developer has subdivided the land into multiple tracts and lots to be developed into single family residential homes within the Gardens at the Arboretum. Tract 20362 Lot 6, (“Development”), is part of this master planned community containing residential lots and is required to construct new water mains and related facilities within the tract to allow for new domestic and irrigation connections.

DISCUSSION:

West Valley Water District (“District”) and the Developer wish to enter into a Developer-Installed Water System Infrastructure Installation and Conveyance Agreement (“Agreement”) to construct the water facilities needed to supply water to the Development. This Agreement outlines the responsibilities of the Developer 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 Water System Infrastructure Installation and Conveyance Agreement for this development which also includes the location of the Development.

FISCAL IMPACT:

No fiscal impact to the District.

STAFF RECOMMENDATION:

Staff recommends that this item be submitted for consideration, and that the Board of Directors approve this item and authorize the General Manager to execute the necessary documents.

Respectfully Submitted,

Shamindra Manbahal

Shamindra Manbahal, General Manager

DG:ls

ATTACHMENT(S):

1. Exhibit A - Water System Infrastructure Installation Agreement

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 **February 17, 2022**, by and between **LENNAR HOMES OF CALIFORNIA, INC** ("Developer"), and **WEST VALLEY WATER DISTRICT** ("District") who agree as follows:

The Developer is the owner of certain land described as **TRACT 20362 LOT 6**, 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 TRACT 20362 LOT 6**, 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 TRACT 20362 LOT 6**, 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 TRACT 20362 LOT 6

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

LENNAR HOMES OF CALIFORNIA, INC
 ATTENTION: Geoffrey L. Smith, Vice President
 980 MONTECITO, SUITE 302
 CORONA, CA
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20362 LOT 6

7.4. Notices required shall be given to **Surety** addressed as follows:

SURETY NAME:
 ADDRESS
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20362 LOT 6

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: _____
Shamindra Manbahal, General Manager

Date: _____

DEVELOPER:

Lennar Homes of California, Inc
a California Corporation

By: _____
Geoffrey L. Smith, Vice President

Date: _____

Exhibit A

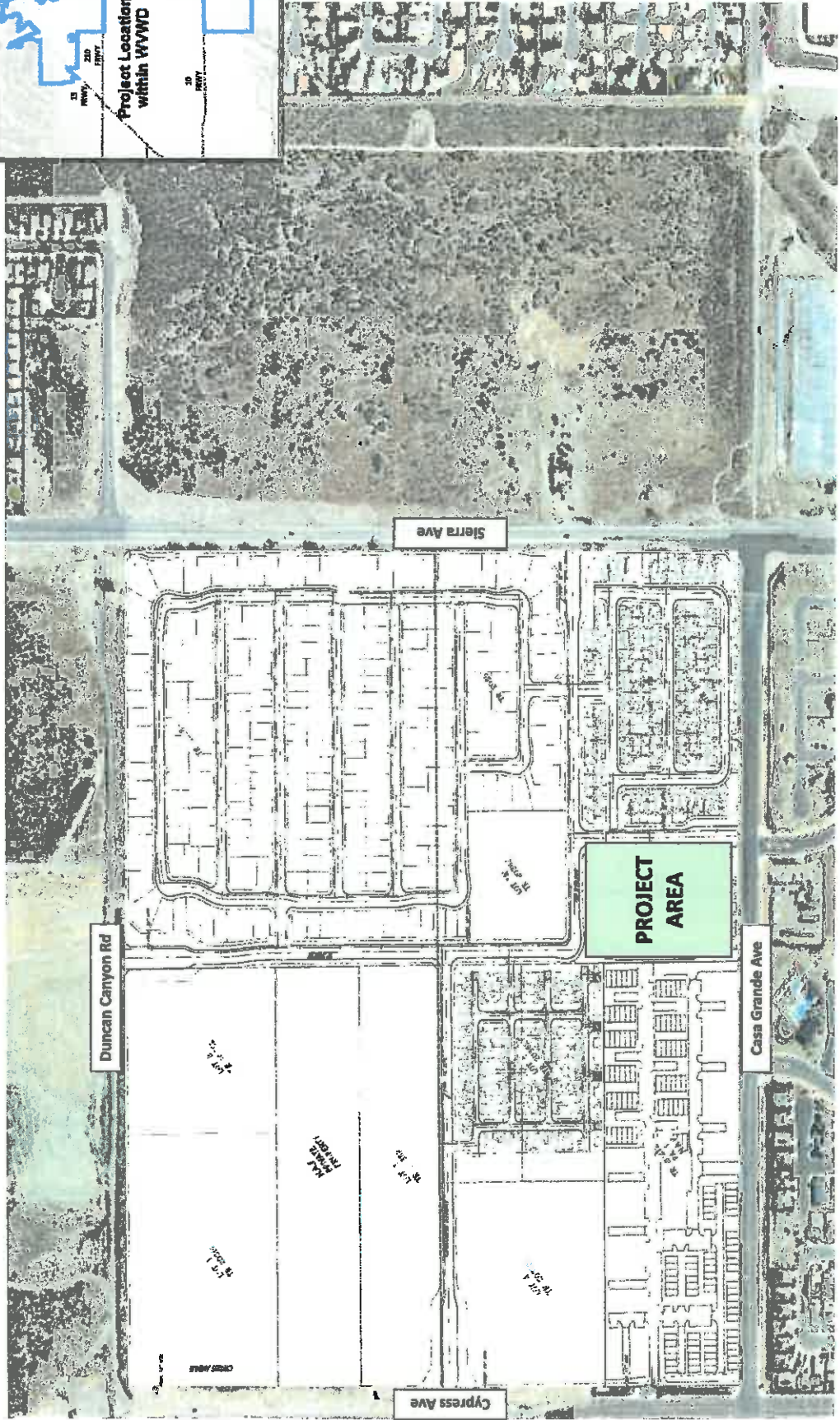
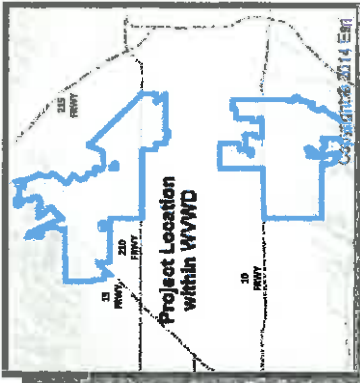


Exhibit A
Gardens at Arboretum Tract 20362 (Lot 6)



Exhibit B

WEST VALLEY WATER DISTRICT WATER IMPROVEMENT PLANS FOR TR 20362 - LOT 6 IN THE CITY OF FONTANA

GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH WEST VALLEY VALLEY WATER DISTRICT STANDARD SPECIFICATIONS FOR DOMESTIC WATER FACILITIES AS OF THE DATE OF PLAN APPROVAL.
2. THE CONTRACTOR SHALL ADVISE THE DISTRICT OF ANY CHANGES TO THE STANDARD SPECIFICATIONS PRIOR TO COMMENCING CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA.

WATER NOTES

1. PIPE 30" AND SMALLER SHALL BE CLASS 300 EXCEPT PIPE WITH FULLY RESTRAINED JOINTS. PIPE 36" AND LARGER SHALL BE THICKNESS CLASS 150. ALL OTHER LARGER LINES AND DUCTILE IRON PIPE OR AS SPECIFIED.
2. MANHOLES SHALL BE 48" DIA. UNLESS OTHERWISE SPECIFIED. ALL MANHOLES SHALL BE 48" DIA. UNLESS OTHERWISE SPECIFIED. ALL MANHOLES SHALL BE 48" DIA. UNLESS OTHERWISE SPECIFIED.
3. ALL WATER SERVICES LATERALS SHALL BE INSTALLED AT THE SAME TIME AS MAIN LINE. NO SERVICE SHALL BE ALLOWED ON CONCRETE SERVICE LATERAL LINE UNLESS THE MAIN LINE IS INSTALLED AT THE SAME TIME AS THE SERVICE LATERAL LINE.
4. ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE DISTRICT'S STANDARD SPECIFICATIONS.
5. THE IMPROVEMENT SHALL BE 4" x 4" x 1/2" CLEAR BENCH END OR EQUAL. THE IMPROVEMENT SHALL BE 4" x 4" x 1/2" CLEAR BENCH END OR EQUAL. THE IMPROVEMENT SHALL BE 4" x 4" x 1/2" CLEAR BENCH END OR EQUAL.

DUCTILE IRON PIPE NOTES

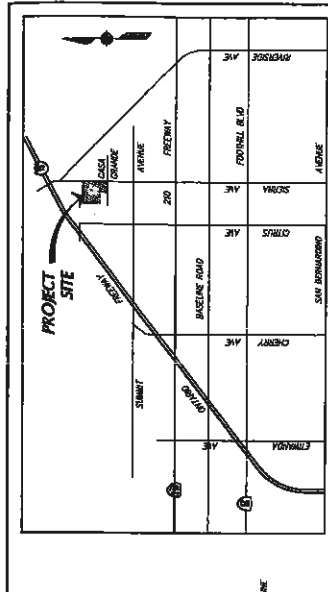
1. ALL DUCTILE IRON PIPE SHALL BE RESTRAINED PER DISTRICT STANDARD M-10. ALL DUCTILE IRON PIPE SHALL BE RESTRAINED PER DISTRICT STANDARD M-10. ALL DUCTILE IRON PIPE SHALL BE RESTRAINED PER DISTRICT STANDARD M-10.
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PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

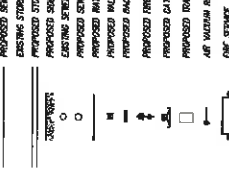
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

UNAUTHORIZED CHANGES AND ISSUES

THE ENGINEER PROVIDING THESE PLANS WILL NOT BE RESPONSIBLE FOR ANY CHANGES OR UNAUTHORIZED CHANGES TO OR ISSUES OF THESE PLANS. UNAUTHORIZED CHANGES TO OR ISSUES OF THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED BY THESE PLANS.



WATER CONSTRUCTION NOTES	QUANTITIES
1. REMOVE AND REINSTALL OF 48" DIA. CLASS 300 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	1,500 LF
2. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	2 EA
3. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	7 EA
4. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	1 EA
5. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	1 EA
6. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	2 EA
7. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	12 EA
8. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	1,500 LF
9. REMOVE AND REINSTALL OF 48" DIA. CLASS 150 WWD STEEL FULLY RESTRAINED UNITS IN TRENCH FOR WWD STEEL	60 EA

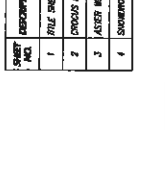
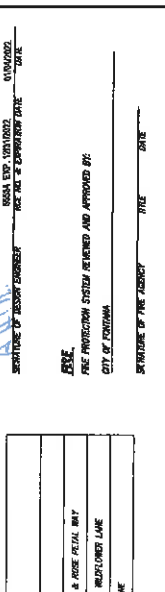


WATER CERTIFICATION
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF FONTANA AND THE STATE OF CALIFORNIA.

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROPOSED LANE & ROSE FEEL WAY
3	ASTER WAY & MIDFLOWER LANE
4	SHIMMOP LANE

CITY OF FONTANA UTILITY NOTIFICATION LIST
CITY OF FONTANA
555 WEST VALLEY AVENUE
FONTANA, CA 92335
(951) 833-4300

WEST VALLEY WATER DISTRICT
1000 WEST VALLEY AVENUE
FONTANA, CA 92335
(951) 833-4300



DWG # D22016
WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20362 - C6
TITLE SHEET

3.b.2.a

DATE: 11/11/2024
SCALE: AS SHOWN

DATE: 11/11/2024
SCALE: AS SHOWN

DATE: 11/11/2024
SCALE: AS SHOWN

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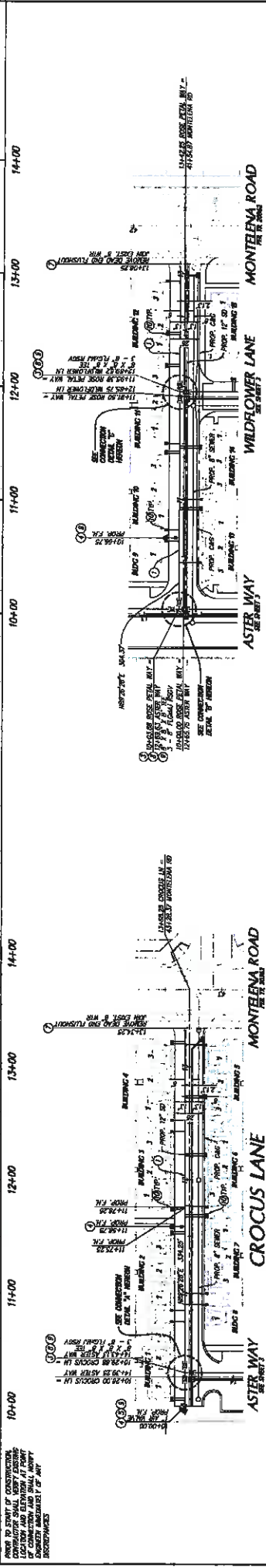
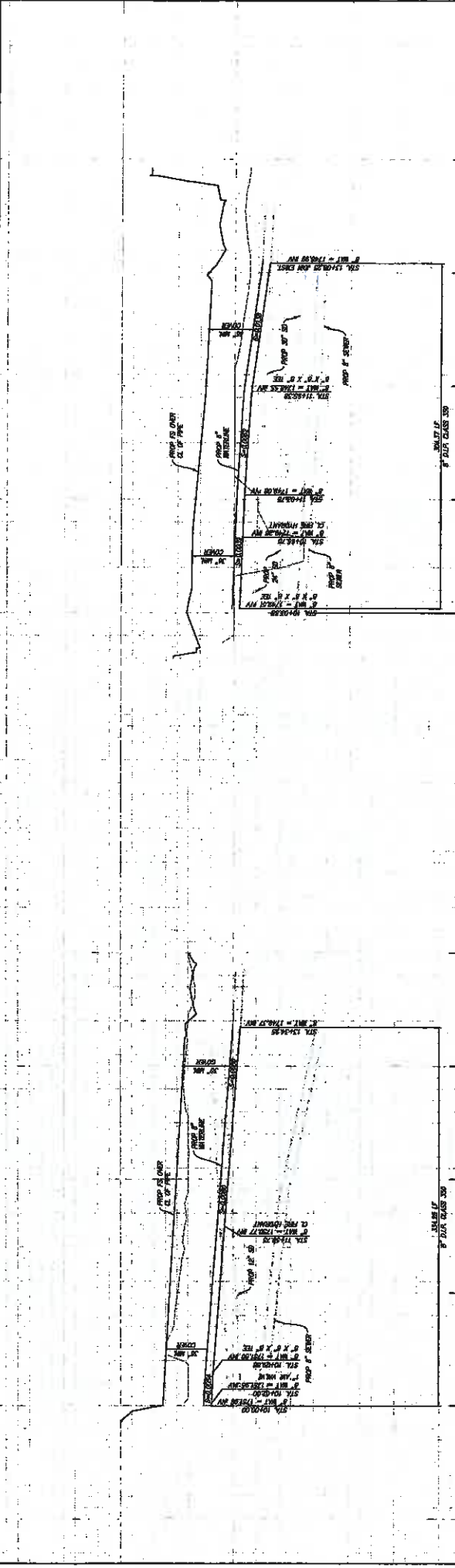
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DATE: 11/11/2024
SCALE: AS SHOWN

DATE: 11/11/2024
SCALE: AS SHOWN

DATE: 11/11/2024
SCALE: AS SHOWN



WATER CONSTRUCTION NOTES

1. FINISH AND CONCRETE OF ALL CLASS 300 FULLY RESTRAINED JOINTS IN TRENCH PER WWD STD. DETAIL W-1.
2. FINISH AND INSTALL 6" PLUMBED ICE ALL TRENCH PER WWD STD. DETAIL W-2.
3. CONCRETE AND INSTALL 1" AIR VALVE PER WWD STD. DETAIL W-4.
4. FINISH AND INSTALL 1" AIR VALVE PER WWD STD. DETAIL W-4.
5. CONNECT TO EXIST. WATER.
6. FINISH AND INSTALL 6" GATE VALVE PER WWD STD. DETAIL W-11.
7. TRENCH, EXCAVATE, AND BACKFILL PER WWD STD. DETAIL W-11.
8. INSTALL 1" WATER SERVICE LATERAL WITH 1" METER PER WWD STD. DETAIL W-4.

WATER SERVICE TABLE

BUILDING UNIT	WATER SERVICE LINE	WATER SERVICE LINE	WATER SERVICE LINE
1	1000-25	1000-25	1000-25
2	1000-25	1000-25	1000-25
3	1000-25	1000-25	1000-25
4	1000-25	1000-25	1000-25
5	1000-25	1000-25	1000-25
6	1000-25	1000-25	1000-25
7	1000-25	1000-25	1000-25
8	1000-25	1000-25	1000-25
9	1000-25	1000-25	1000-25
10	1000-25	1000-25	1000-25
11	1000-25	1000-25	1000-25
12	1000-25	1000-25	1000-25
13	1000-25	1000-25	1000-25
14	1000-25	1000-25	1000-25
15	1000-25	1000-25	1000-25
16	1000-25	1000-25	1000-25
17	1000-25	1000-25	1000-25
18	1000-25	1000-25	1000-25
19	1000-25	1000-25	1000-25
20	1000-25	1000-25	1000-25

CONNECTION DETAIL W-1
CONNECTION DETAIL W-2
CONNECTION DETAIL W-3
CONNECTION DETAIL W-4

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20362 - C6
CROCUS LANE & ROSE PETAL

ENGINEERING
K&A ENGINEERING
2000 N. 10TH STREET, SUITE 100
DENVER, CO 80202
TEL: (303) 733-1200
FAX: (303) 733-1200
WWW.KANDAE.COM

DATE: 11/27/23
SCALE: 1"=40'
PROJECT NO.: 20362-C6
DATE: 11/27/23
PROJECT NO.: 20362-C6

APPROVED: [Signature]
DATE: 11/27/23

CONTRACTOR: [Name]
DATE: [Date]

CONNECTION DETAIL W-1
CONNECTION DETAIL W-2
CONNECTION DETAIL W-3
CONNECTION DETAIL W-4

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20382 - C6
ASTER WAY & WILDFLOWER LANE

PROPOSED PROJECT NO. 20382-C6

DATE: 01/10/2010

BY: J. SWAN

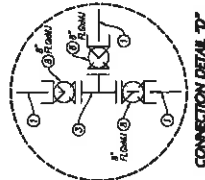
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APPROVED: []

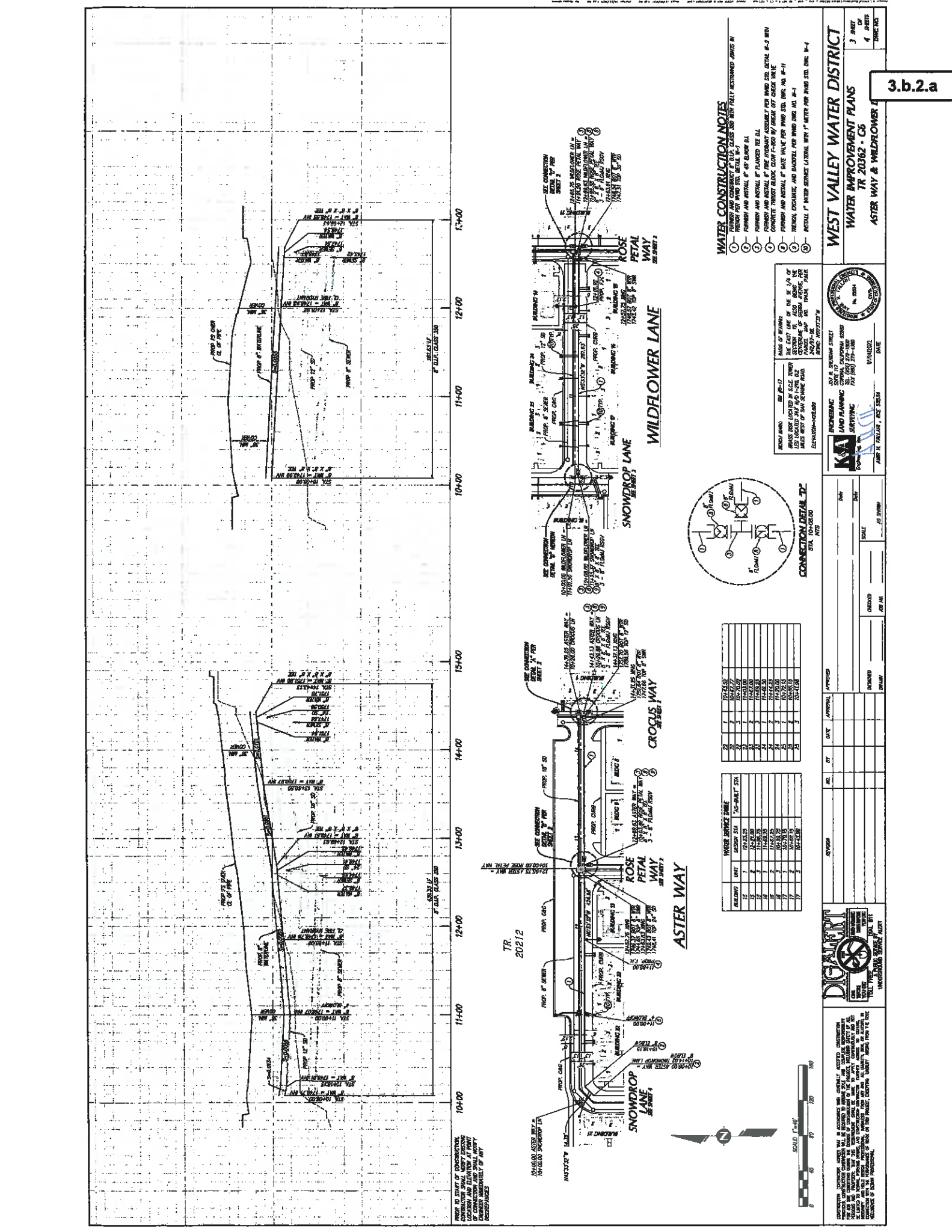
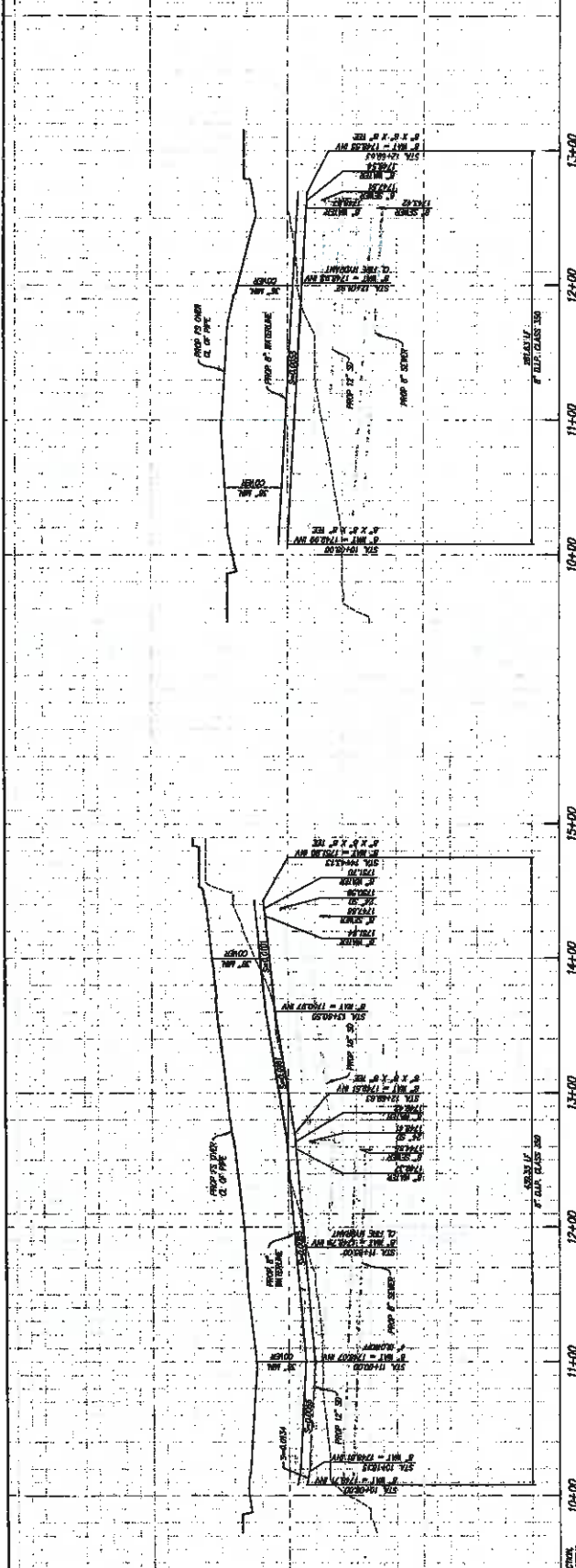
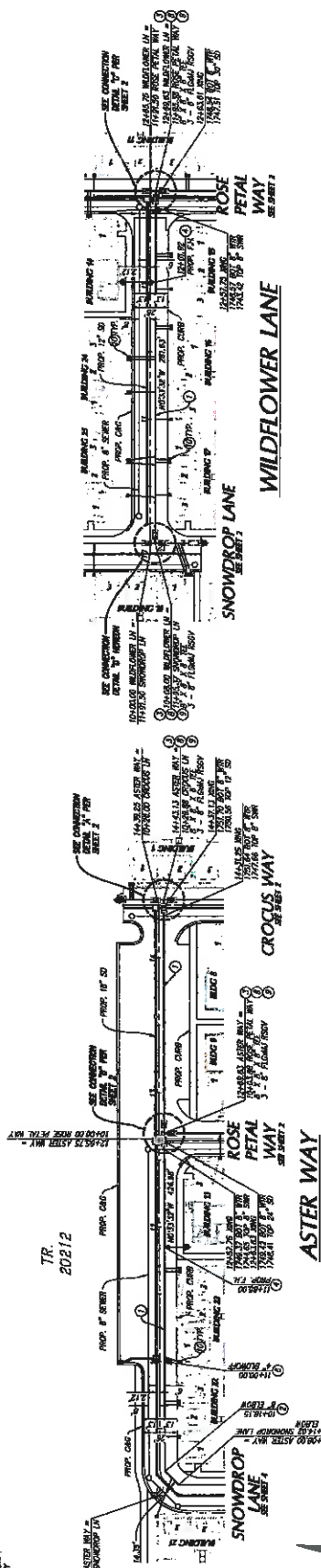
SCALE: 1"=40'

WEST VALLEY WATER DISTRICT
11000 N. 100TH AVENUE
DENVER, CO 80231
TEL: (303) 739-1000
FAX: (303) 739-1000

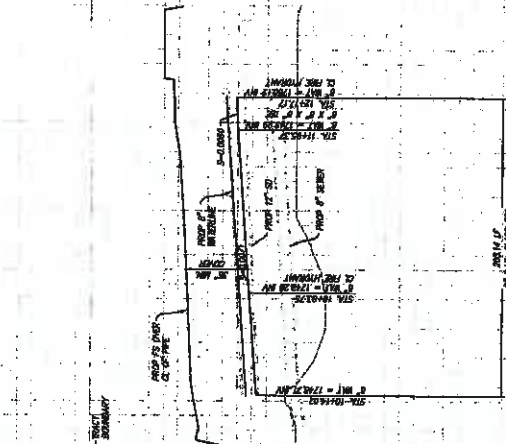
- WATER CONSTRUCTION NOTES**
1. FINISH AND CONCRETE F.O.D. CLAS. AND VERIFY FULLY RESTRAINED JOINTS IN
 2. FINISH AND CONCRETE F.O.D. CLAS. AND VERIFY FULLY RESTRAINED JOINTS IN
 3. FINISH AND CONCRETE F.O.D. CLAS. AND VERIFY FULLY RESTRAINED JOINTS IN
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 10. FINISH AND CONCRETE F.O.D. CLAS. AND VERIFY FULLY RESTRAINED JOINTS IN



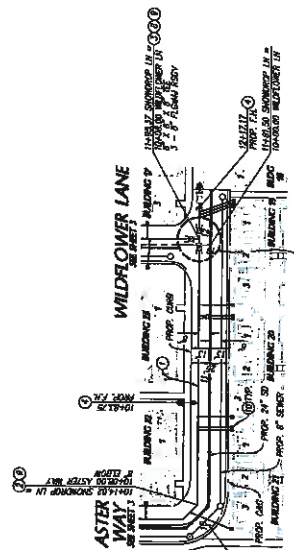
ALTERNATE	DATE	DESCRIPTION	BY	APPROVAL
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3	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
4	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
5	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
6	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
7	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
8	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
9	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
10	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
11	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
12	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
13	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
14	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
15	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
16	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
17	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
18	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
19	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
20	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
21	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
22	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
23	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
24	01/10/2010	ISSUED FOR PERMIT	J. SWAN	
25	01/10/2010	ISSUED FOR PERMIT	J. SWAN	



BEFORE TO BE USED FOR CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND LOCATIONS OF ALL UTILITIES AND STRUCTURES IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF DENVER AND WEST VALLEY WATER DISTRICT. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF DENVER AND WEST VALLEY WATER DISTRICT.



BEFORE TO STATE OF CONSTRUCTION CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND LOCATIONS OF CONNECTION AND SHALL VERIFY PROPERTY DIMENSIONS OF ANY ENCROACHMENTS.



SNOWDROP LANE

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	PRICE
1	1/2\"/>			

WATER CONSTRUCTION NOTES

- 1. FINISH AND CONCRETE OF MANHOLE CLASS 300 WITH FULLY REINFORCED JOISTS IN FINISH PER MWD STD. DETAIL W-1
- 2. FINISH AND INSTALL 1\"/>

DATE OF REVISION: 08/15/17
 REVISION: 1. AS SHOWN ON SHEET TR 20362-06
 2. AS SHOWN ON SHEET TR 20362-07
 3. AS SHOWN ON SHEET TR 20362-08
 4. AS SHOWN ON SHEET TR 20362-09
 5. AS SHOWN ON SHEET TR 20362-10
 6. AS SHOWN ON SHEET TR 20362-11
 7. AS SHOWN ON SHEET TR 20362-12
 8. AS SHOWN ON SHEET TR 20362-13
 9. AS SHOWN ON SHEET TR 20362-14
 10. AS SHOWN ON SHEET TR 20362-15
 11. AS SHOWN ON SHEET TR 20362-16
 12. AS SHOWN ON SHEET TR 20362-17
 13. AS SHOWN ON SHEET TR 20362-18
 14. AS SHOWN ON SHEET TR 20362-19
 15. AS SHOWN ON SHEET TR 20362-20
 16. AS SHOWN ON SHEET TR 20362-21
 17. AS SHOWN ON SHEET TR 20362-22
 18. AS SHOWN ON SHEET TR 20362-23
 19. AS SHOWN ON SHEET TR 20362-24
 20. AS SHOWN ON SHEET TR 20362-25
 21. AS SHOWN ON SHEET TR 20362-26
 22. AS SHOWN ON SHEET TR 20362-27
 23. AS SHOWN ON SHEET TR 20362-28
 24. AS SHOWN ON SHEET TR 20362-29
 25. AS SHOWN ON SHEET TR 20362-30

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20362 - G6
SNOWDROP LANE

DATE: 08/15/17
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: AS SHOWN
 SHEET NO. 4 OF 4
 DATE: 08/15/17

3.b.2.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



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

DATE: February 9, 2022
TO: Engineering, Operations and Planning Committee
FROM: Shamindra Manbahal, General Manager
SUBJECT: CONSIDER A WATER SYSTEM INFRASTRUCTURE INSTALLATION AND CONVEYANCE AGREEMENT WITH LENNAR HOMES OF CALIFORNIA, INC (TRACT 20363 GARDENS AT THE ARBORETUM)

BACKGROUND:

Lennar Homes of California, Inc. (“Developer”) is the owner of land located north of Casa Grande Avenue, east of Sierra Avenue, west of Cypress Avenue, and south of Duncan Canyon Road, in the City of Fontana, known as the Gardens at the Arboretum. The Developer has subdivided the land into multiple tracts and lots to be developed into single family residential homes within the Gardens at the Arboretum. Tract 20363, (“Development”), is part of this master planned community containing residential lots and is required to construct new water mains and related facilities within the tract to allow for new domestic and irrigation connections.

DISCUSSION:

West Valley Water District (“District”) and the Developer wish to enter into a Developer-Installed Water System Infrastructure Installation and Conveyance Agreement (“Agreement”) to construct the water facilities needed to supply water to the Development. This Agreement outlines the responsibilities of the Developer 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 Water System Infrastructure Installation and Conveyance Agreement for this development which also includes the location of the Development.

FISCAL IMPACT:

No fiscal impact to the District.

STAFF RECOMMENDATION:

Staff recommends that this item be submitted for consideration, and that the Board of Directors approve this item and authorize the General Manager to execute the necessary documents.

Respectfully Submitted,

Shamindra Manbahal

Shamindra Manbahal, General Manager

DG:ls

ATTACHMENT(S):

1. Exhibit A - Water System Infrastructure Installation Agreement

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 **February 17, 2022**, by and between **LENNAR HOMES OF CALIFORNIA, INC** ("Developer"), and **WEST VALLEY WATER DISTRICT** ("District") who agree as follows:

The Developer is the owner of certain land described as **TRACT 20363** 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 TRACT 20363**, 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 TRACT 20363**, 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 TRACT 20363

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

LENNAR HOMES OF CALIFORNIA, INC
 ATTENTION: Geoffrey L. Smith, Vice President
 980 MONTECITO, SUITE 302
 CORONA, CA
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20363

7.4. Notices required shall be given to **Surety** addressed as follows:

SURETY NAME:
 ADDRESS
 RE: WATER IMPROVEMENT PLANS FOR TRACT 20363

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 requirements 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: _____
Shamindra Manbahal, General Manager

DEVELOPER:

**Lennar Homes of California, Inc
a California Corporation**

By: _____ Date: _____
Geoffrey L. Smith, Vice President

Exhibit A

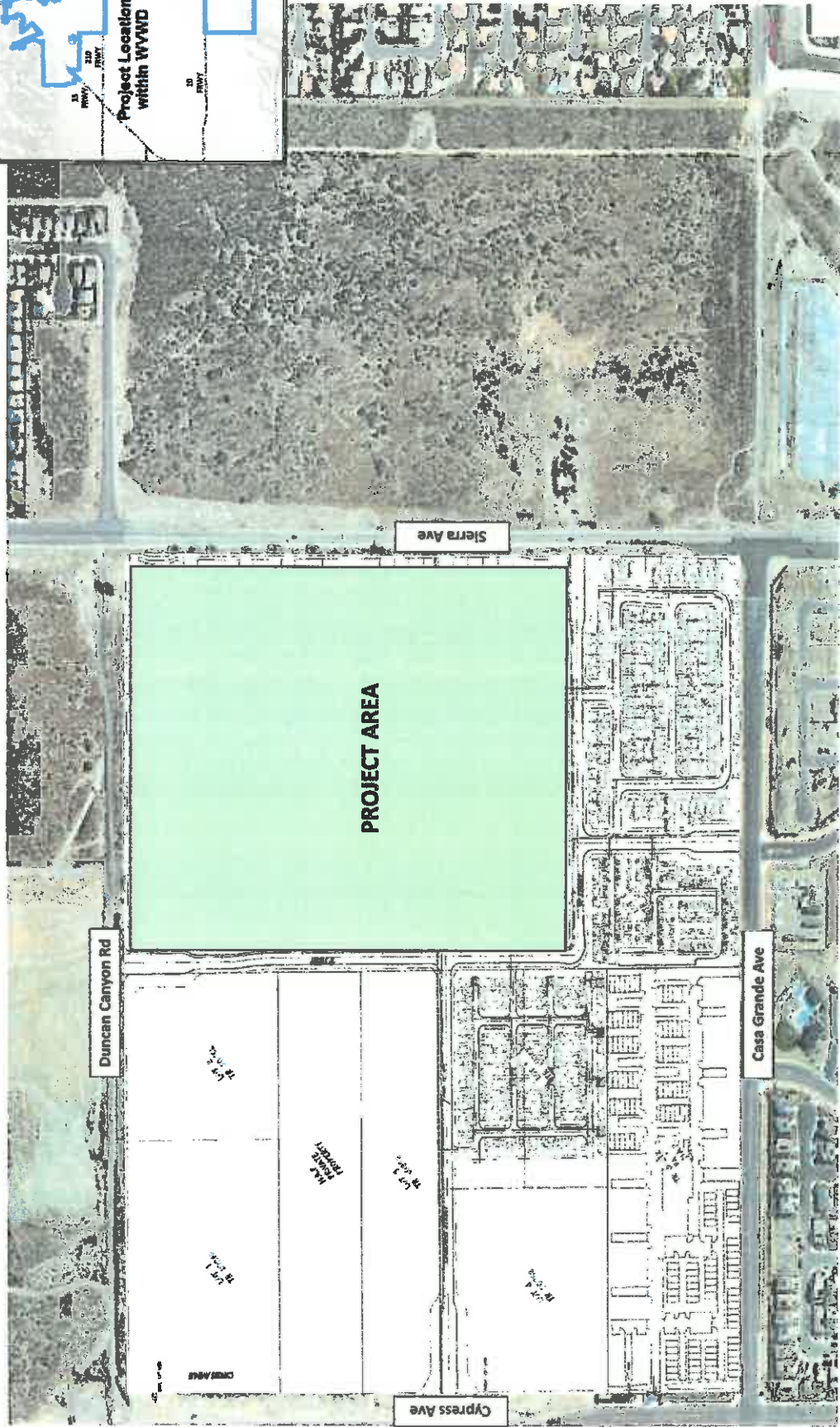
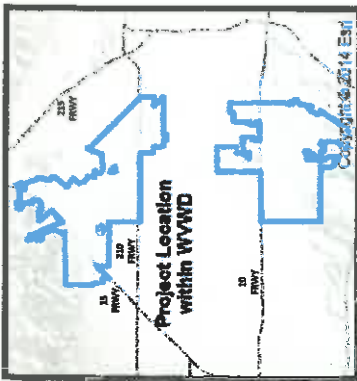
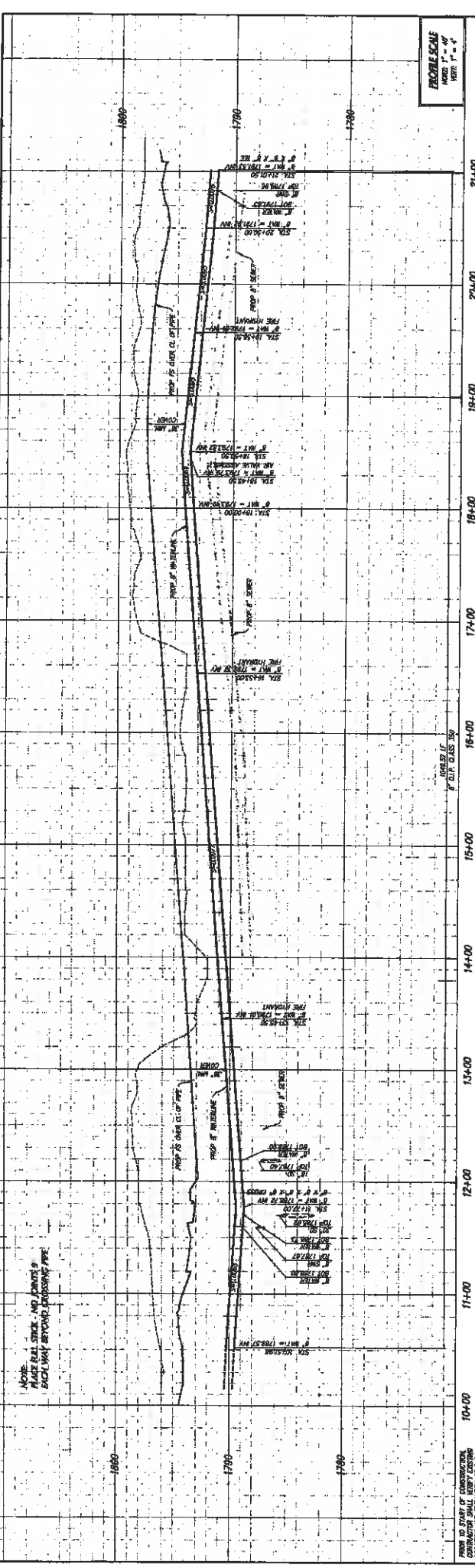


Exhibit A
Gardens at Arboretum Tract 20363



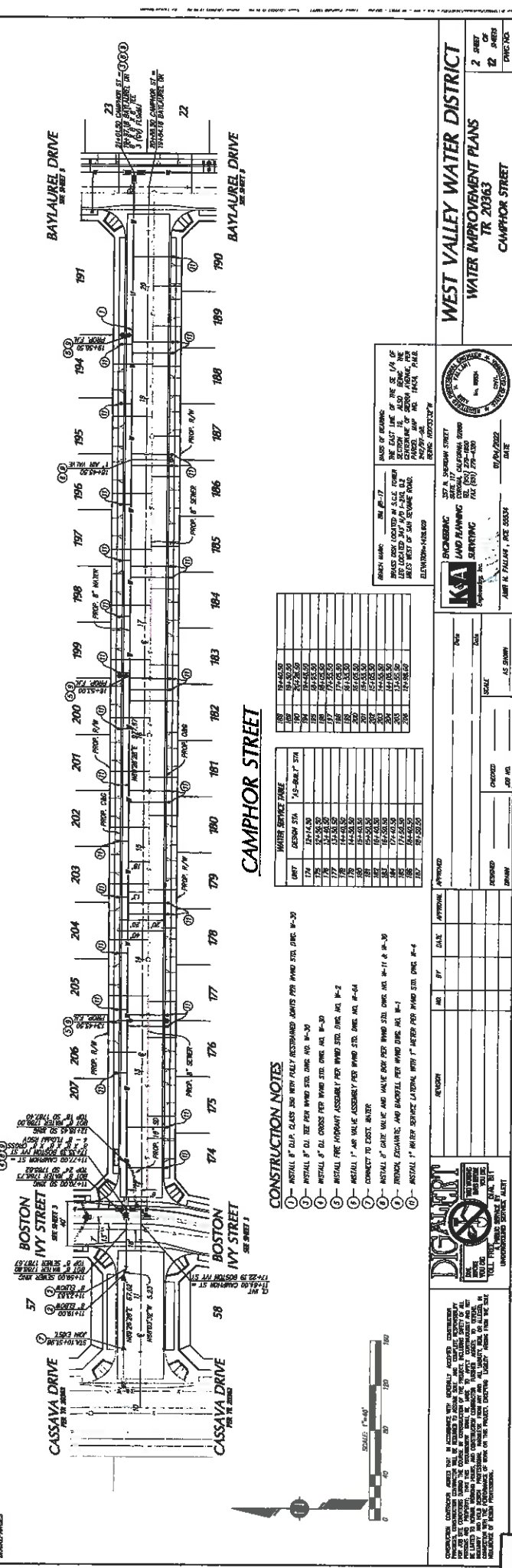
Exhibit B



HORIZONTAL SCALE
 1" = 40'
 VERTICAL SCALE
 1" = 4'

NOTE:
 PLACE ELEV. MARKERS AND POINTS OF
 EACH WAY SERVING EXISTING FIRE.

PROVIDE STATE OF CONNECTICUT
 CONTRACTOR SHALL VERIFY EXISTING
 UTILITIES AND SHALL NOTIFY
 CONSULTING ENGINEER OF ANY
 DISCREPANCIES



CAMPBOR STREET

CASSAVA DRIVE
 SEE SHEET 1

IVY STREET
 SEE SHEET 1

BOSTON
 IVY STREET
 SEE SHEET 1

BOSTON
 IVY STREET
 SEE SHEET 1

BOSTON
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BOSTON
 IVY STREET
 SEE SHEET 1

BOSTON
 IVY STREET
 SEE SHEET 1

- CONSTRUCTION NOTES**
- 1- INSTALL 8" DIA. CLASS AND WPI FIELD RESTRAINED Joints PER WWD STD. DING W-30
 - 2- INSTALL 6" DIA. SEE PER WWD STD. DING W-30
 - 3- INSTALL 6" DI. CROSS PER WWD STD. DING W-30
 - 4- INSTALL FRI. HYDRANT ASSEMBLY PER WWD STD. DING W-2
 - 5- INSTALL 1" AIR VALVE ASSEMBLY PER WWD STD. DING W-4
 - 6- CONNECT TO EXIST. WATER
 - 7- INSTALL 8" GATE VALVE AND VALVE BOX PER WWD STD. DING W-11 & W-30
 - 8- REMOVE EXISTING AND SHORTEL PER WWD STD. DING W-1
 - 9- INSTALL 1" AIR SERVICE LATERAL WITH 1" JIC PER PER WWD STD. DING W-4

WATER SERVICE TABLE

LOT	SECTION STA.	15-INCH P. STA.
179	1812.43.00	1813.43.00
180	1813.43.00	1814.43.00
181	1814.43.00	1815.43.00
182	1815.43.00	1816.43.00
183	1816.43.00	1817.43.00
184	1817.43.00	1818.43.00
185	1818.43.00	1819.43.00
186	1819.43.00	1820.43.00
187	1820.43.00	1821.43.00
188	1821.43.00	1822.43.00
189	1822.43.00	1823.43.00
190	1823.43.00	1824.43.00
191	1824.43.00	1825.43.00
192	1825.43.00	1826.43.00
193	1826.43.00	1827.43.00
194	1827.43.00	1828.43.00
195	1828.43.00	1829.43.00
196	1829.43.00	1830.43.00
197	1830.43.00	1831.43.00
198	1831.43.00	1832.43.00
199	1832.43.00	1833.43.00
200	1833.43.00	1834.43.00
201	1834.43.00	1835.43.00
202	1835.43.00	1836.43.00
203	1836.43.00	1837.43.00
204	1837.43.00	1838.43.00
205	1838.43.00	1839.43.00
206	1839.43.00	1840.43.00
207	1840.43.00	1841.43.00
208	1841.43.00	1842.43.00



CONTRACTOR ADVISED THAT IN EXERCISING THE USUALLY ACCEPTED CARE AND
 DUE DILIGENCE IN THE COURSE OF THE PERFORMANCE OF THE WORK, INCLUDING THE EXERCISE OF
 REASONABLE CARE AND DUE DILIGENCE IN THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL BE
 HELD RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION, PLANS AND SPECIFICATIONS PROVIDED TO
 HIM BY THE OWNER OR HIS PROFESSIONAL ENGINEER, ARCHITECT, ENGINEER OR OTHER CONSULTANT.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION,
 PLANS AND SPECIFICATIONS PROVIDED TO HIM BY THE OWNER OR HIS PROFESSIONAL ENGINEER,
 ARCHITECT, ENGINEER OR OTHER CONSULTANT.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION,
 PLANS AND SPECIFICATIONS PROVIDED TO HIM BY THE OWNER OR HIS PROFESSIONAL ENGINEER,
 ARCHITECT, ENGINEER OR OTHER CONSULTANT.

DATE: 07/24/2022
 DRAWN: AS SHOWN
 CHECKED: JLP/VA
 APPROVED: [Signature]

ENGINEERING
 LAND PLANNING
 SURVEYING
 INCORPORATED
 277 A. SHERBORN STREET
 CORRAL CALLENS, CALIFORNIA 90701
 TEL: (310) 272-4300
 FAX: (310) 272-4300
 ELEVATION: 11082022

PROJECT DATA
 PROJECT NAME: WEST VALLEY WATER DISTRICT WATER IMPROVEMENT PLANS TR 20363
 PROJECT LOCATION: CAMPBOR STREET
 PROJECT NUMBER: 20363
 PROJECT DATE: 07/24/2022

DATE: 07/24/2022

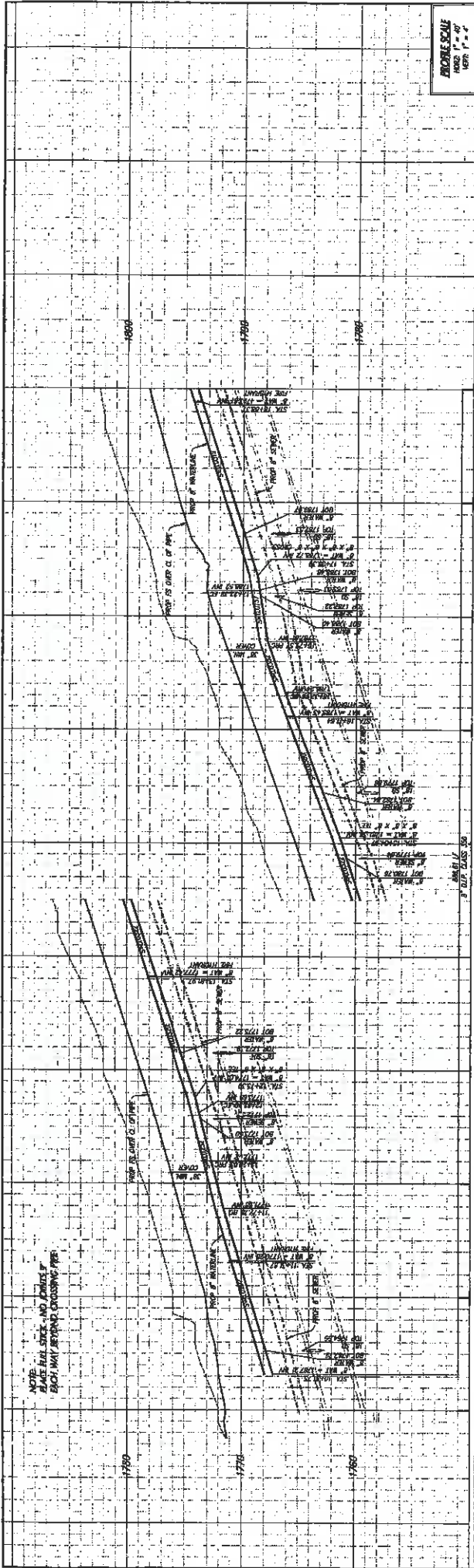
SCALE: AS SHOWN

PROJECT DATA: PROJECT NAME, PROJECT LOCATION, PROJECT NUMBER, PROJECT DATE

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
CAMPBOR STREET

PROJECTIONS
 2 SHEET
 OF
 12 SHEETS

DWG NO:



NOTE:
BLACK BOLD LINES - NO CHANGES
EACH SHALL BE HAND CROSSING PER

PROPOSED SCALE
VERT. 1" = 4'

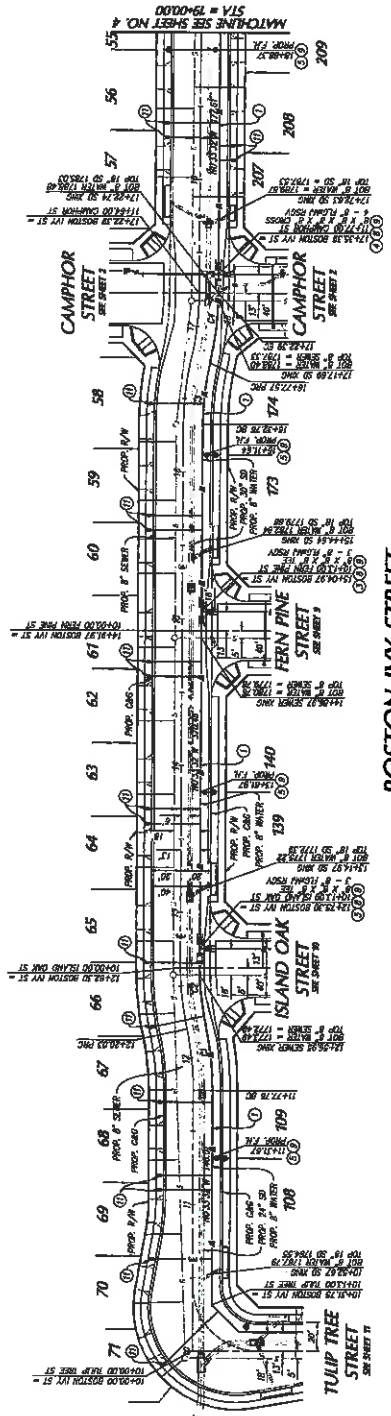
194+00 193+00 192+00 191+00 190+00 189+00 188+00
1780 1775 1770 1765

CONSTRUCTION NOTES

- 1- INSTALL 1" D.I.P. GASKETS WITH FULLY RESTRAINED JOISTS PER WIND STD. DING. W-30
- 2- INSTALL 1" D.I.P. GASKETS PER WIND STD. DING. W-30
- 3- INSTALL 1" D.I.P. GASKETS PER WIND STD. DING. W-30
- 4- INSTALL ONE HORIZONTAL ASSEMBLY PER WIND STD. DING. W-30
- 5- INSTALL 1" GATE W/ILE AND W/ILE GATE PER WIND STD. DING. W-30
- 6- REMOVE EXISTING AND BLACKEN PER WIND STD. DING. W-30
- 7- INSTALL 1" WATER SERVICE LATERAL W/ILE 1" WATER PDS WIND STD. DING. W-30

WATER SERVICE TABLE

UNIT	DESIGN STA	W-ONE 1" STA
1	176+37.7	176+37.7
2	176+37.7	176+37.7
3	176+37.7	176+37.7
4	176+37.7	176+37.7
5	176+37.7	176+37.7
6	176+37.7	176+37.7
7	176+37.7	176+37.7
8	176+37.7	176+37.7
9	176+37.7	176+37.7
10	176+37.7	176+37.7
11	176+37.7	176+37.7
12	176+37.7	176+37.7
13	176+37.7	176+37.7
14	176+37.7	176+37.7
15	176+37.7	176+37.7
16	176+37.7	176+37.7
17	176+37.7	176+37.7
18	176+37.7	176+37.7
19	176+37.7	176+37.7
20	176+37.7	176+37.7
21	176+37.7	176+37.7
22	176+37.7	176+37.7
23	176+37.7	176+37.7
24	176+37.7	176+37.7
25	176+37.7	176+37.7
26	176+37.7	176+37.7
27	176+37.7	176+37.7
28	176+37.7	176+37.7
29	176+37.7	176+37.7
30	176+37.7	176+37.7
31	176+37.7	176+37.7
32	176+37.7	176+37.7
33	176+37.7	176+37.7
34	176+37.7	176+37.7
35	176+37.7	176+37.7
36	176+37.7	176+37.7
37	176+37.7	176+37.7
38	176+37.7	176+37.7
39	176+37.7	176+37.7
40	176+37.7	176+37.7
41	176+37.7	176+37.7
42	176+37.7	176+37.7
43	176+37.7	176+37.7
44	176+37.7	176+37.7
45	176+37.7	176+37.7
46	176+37.7	176+37.7
47	176+37.7	176+37.7
48	176+37.7	176+37.7
49	176+37.7	176+37.7
50	176+37.7	176+37.7
51	176+37.7	176+37.7
52	176+37.7	176+37.7
53	176+37.7	176+37.7
54	176+37.7	176+37.7
55	176+37.7	176+37.7
56	176+37.7	176+37.7
57	176+37.7	176+37.7
58	176+37.7	176+37.7
59	176+37.7	176+37.7
60	176+37.7	176+37.7
61	176+37.7	176+37.7
62	176+37.7	176+37.7
63	176+37.7	176+37.7
64	176+37.7	176+37.7
65	176+37.7	176+37.7
66	176+37.7	176+37.7
67	176+37.7	176+37.7
68	176+37.7	176+37.7
69	176+37.7	176+37.7
70	176+37.7	176+37.7
71	176+37.7	176+37.7
72	176+37.7	176+37.7
73	176+37.7	176+37.7
74	176+37.7	176+37.7
75	176+37.7	176+37.7
76	176+37.7	176+37.7
77	176+37.7	176+37.7
78	176+37.7	176+37.7
79	176+37.7	176+37.7
80	176+37.7	176+37.7
81	176+37.7	176+37.7
82	176+37.7	176+37.7
83	176+37.7	176+37.7
84	176+37.7	176+37.7
85	176+37.7	176+37.7
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94	176+37.7	176+37.7
95	176+37.7	176+37.7
96	176+37.7	176+37.7
97	176+37.7	176+37.7
98	176+37.7	176+37.7
99	176+37.7	176+37.7
100	176+37.7	176+37.7



BOSTON IVY STREET

CURVE TABLE

NO.	DATA	RADIUS	LENGTH	WARRANT
C1	1770'35"	2110'	61.07'	20.5'
C2	1770'35"	1620'	38.5'	10.8'
C3	1770'10"	1620'	41.8'	21.0'
C4	1770'10"	2120'	47.7'	21.0'

DESIGNER: K&A ENGINEERING
 120 WASHINGTON STREET, SUITE 200
 BOSTON, MA 02108
 (617) 552-1111
 FAX: (617) 552-1112
 WWW.KANDAE.COM

DATE: 07/26/2008

PROJECT: WEST VALLEY WATER DISTRICT
 WATER IMPROVEMENT PLANS
 TR 20363
 BOSTON IVY STREET - STA. 10+00 TO 19+00

DATE: 07/26/2008

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
BOSTON IVY STREET - STA. 10+00 TO 19+00

3 SHEET
 12 SHEETS
 DRAWING NO.

DATE: 07/26/2008

SCALE: AS SHOWN

APPROVED: _____

DESIGNED: _____

CHECKED: _____

DATE: 07/26/2008

DATE: 07/26/2008

SCALE: AS SHOWN

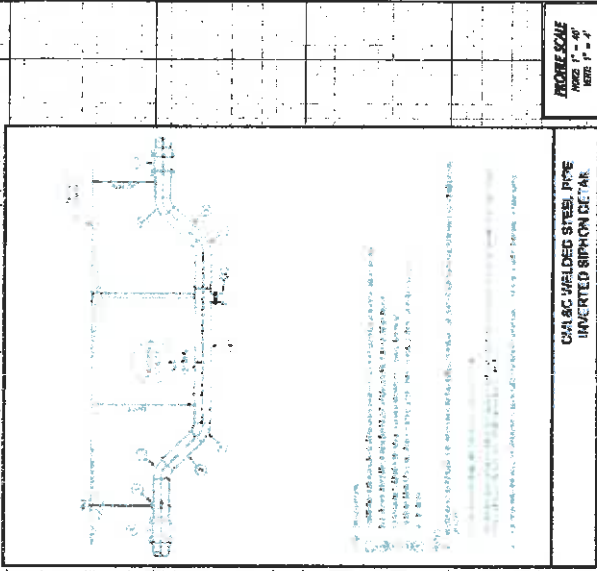
APPROVED: _____

DESIGNED: _____

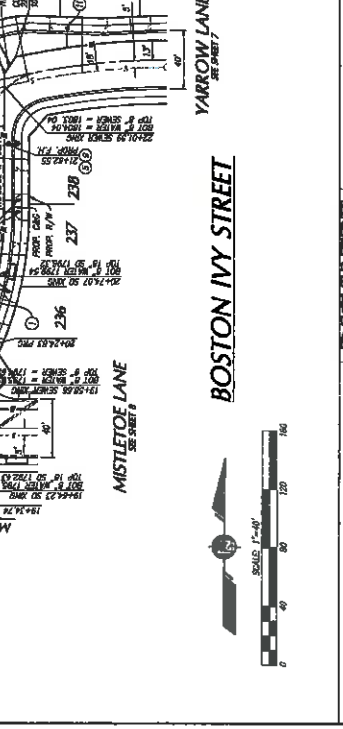
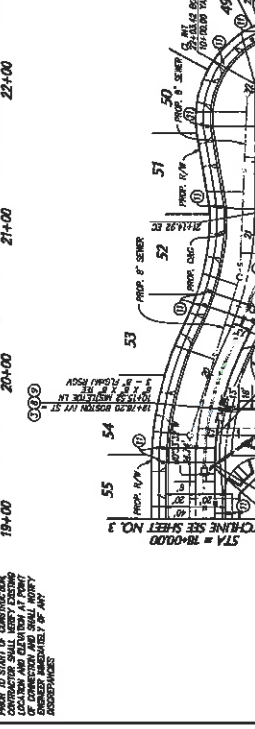
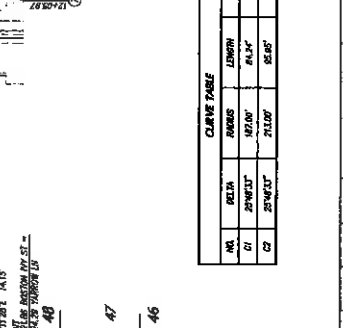
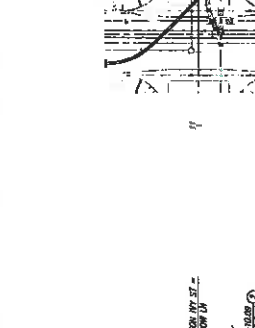
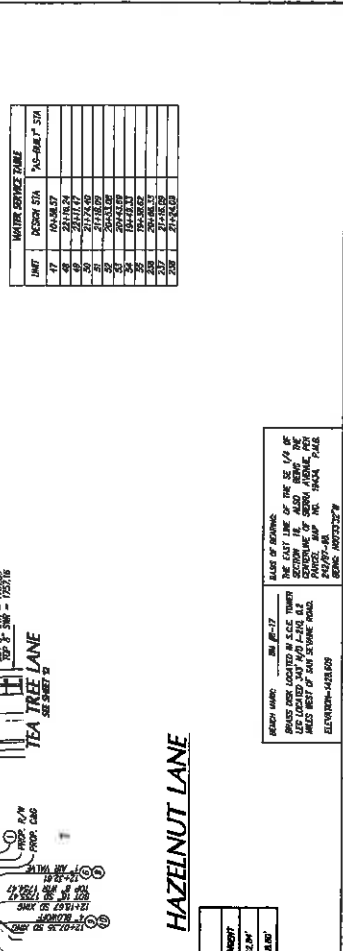
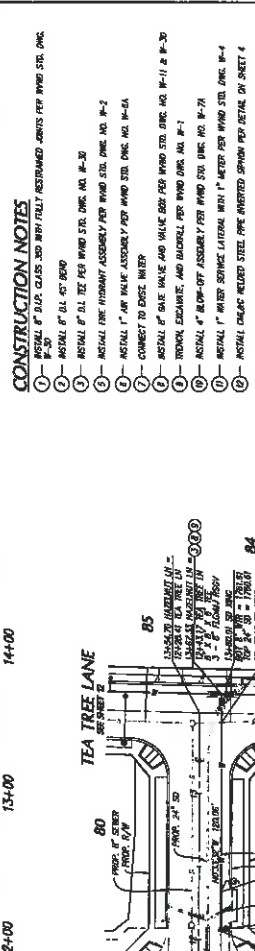
CHECKED: _____

DATE: 07/26/2008

DIGITAL
 THE DIGITAL SOLUTIONS GROUP
 100 WASHINGTON STREET, SUITE 200
 BOSTON, MA 02108
 (617) 552-1111
 WWW.DIGITALMA.COM



PROBE SCALE
 MADE 1" = 2"



PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF BOSTON AND THE STATE OF MASSACHUSETTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF BOSTON AND THE STATE OF MASSACHUSETTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF BOSTON AND THE STATE OF MASSACHUSETTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF BOSTON AND THE STATE OF MASSACHUSETTS.

CONSTRUCTION NOTES

1. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
2. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
3. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
4. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
5. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
6. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
7. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
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10. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
11. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
12. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
13. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
14. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
15. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
16. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
17. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
18. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
19. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
20. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
21. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
22. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
23. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
24. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
25. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
26. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
27. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
28. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
29. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.
30. INSTALL BALL BEARS AND CORNERS AT EACH WAY BEYOND CROSSING PIPE.

WATER SERVICE TABLE

HAFT	DEPTH (FEET)	746-6617 50A
1	1.0	
2	2.0	
3	3.0	
4	4.0	
5	5.0	
6	6.0	
7	7.0	
8	8.0	
9	9.0	
10	10.0	
11	11.0	
12	12.0	
13	13.0	
14	14.0	
15	15.0	
16	16.0	
17	17.0	
18	18.0	
19	19.0	
20	20.0	
21	21.0	
22	22.0	
23	23.0	
24	24.0	
25	25.0	
26	26.0	
27	27.0	
28	28.0	
29	29.0	
30	30.0	



WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
 BOSTON IVY STREET - STA. 8+00 TO 25+00 & HAZELNUT LANE - TRIM 40



PROJECT NO. 20363
 DATE 01/21/2016
 DRAWN BY J. DEWITT
 CHECKED BY J. DEWITT
 APPROVED BY J. DEWITT

NO.	DATE	BY	REVISION
1	01/21/16	J. DEWITT	ISSUED FOR PERMIT

DATE	BY	APPROVAL

DATE	BY	APPROVAL

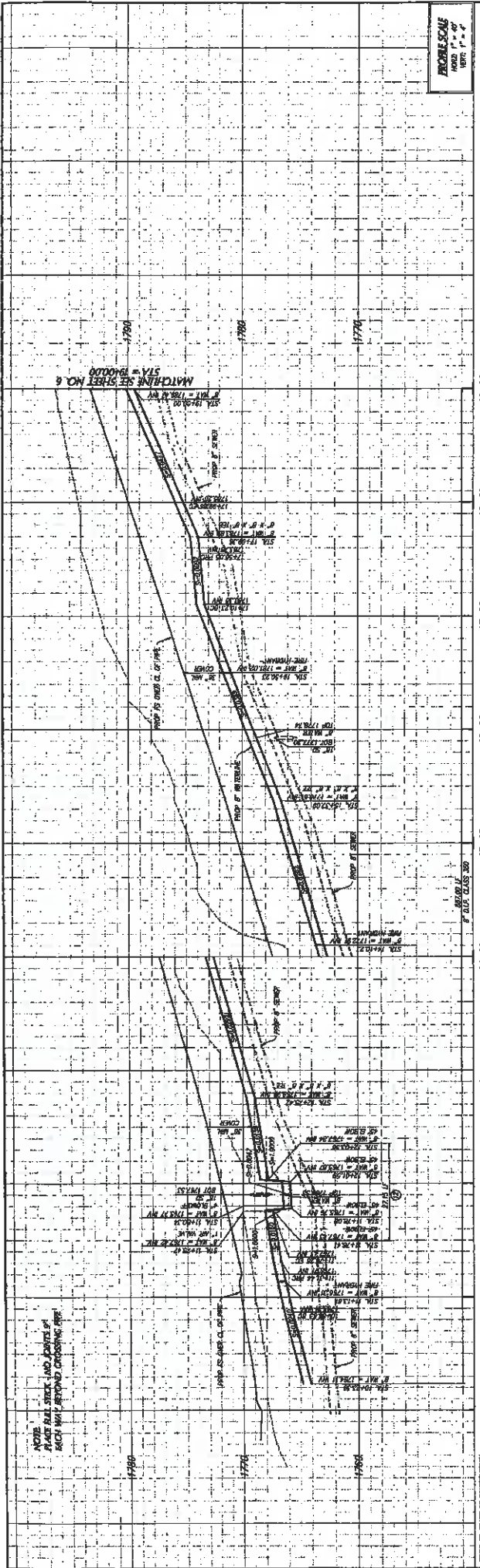
DATE	BY	APPROVAL

DATE	BY	APPROVAL

DATE	BY	APPROVAL

DATE	BY	APPROVAL

DATE	BY	APPROVAL



CONSTRUCTION NOTES

- INSTALL 8" DIA. CLASS 300 RIB FULLY REINFORCED JOINTS PER MWD STD. Dwg. M-30
- INSTALL 8" DIA. RIB PER MWD STD. Dwg. M-30
- INSTALL FIRE PROTECTIVE ASSEMBLY PER MWD STD. Dwg. M-2
- INSTALL 1" AIR WAKE ASSEMBLY PER MWD STD. Dwg. M-64
- CONNECT TO EXIST. MAIN
- INSTALL 8" DIA. VALVE AND VALVE BOX PER MWD STD. Dwg. M-11 & M-30
- REPAIR, REPAIR, AND REPAIR PER MWD STD. Dwg. M-1
- INSTALL 4" BLOW-OFF ASSEMBLY PER MWD STD. Dwg. M-7A
- INSTALL 1" WATER SERVICE LATERAL B/W 1" WATER PER MWD STD. Dwg. M-4
- INSTALL 6" DIA. 12" RIB STEEL PIPE INSTALLED 30" FROM SETBACK ON SHEET 4

WATER SERVICE TABLE

UNIT	DESIGN STA.	12" DIA. 12" RIB
1	104+00.00	
2	104+00.00	
3	104+00.00	
4	104+00.00	
5	104+00.00	
6	104+00.00	
7	104+00.00	
8	104+00.00	
9	104+00.00	
10	104+00.00	
11	104+00.00	
12	104+00.00	
13	104+00.00	
14	104+00.00	
15	104+00.00	
16	104+00.00	
17	104+00.00	
18	104+00.00	
19	104+00.00	
20	104+00.00	

PROFESSIONAL SEAL
 H. J. ...
 CIVIL ENGINEER
 No. 10000

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
 TR 20363
 BAYLAUREL DRIVE - STA. 104+00 TO 194+00

5 SHEETS OF 12 SHEETS
 SHEET NO. 5

ENGINEERING
 DATE: 11/17/2017
 PROJECT: BAYLAUREL DRIVE WATER MAIN IMPROVEMENT
 DRAWN BY: J. ...
 CHECKED BY: J. ...
 DATE: 01/24/2018

CURVE TABLE

NO.	CHORD	ANGLE	LENGTH	TANGENT
C1	12700'0"	182.00'	41.98'	21.00'
C2	12700'0"	211.00'	47.23'	21.00'
C3	12700'0"	182.00'	41.98'	21.00'
C4	12700'0"	211.00'	47.23'	21.00'

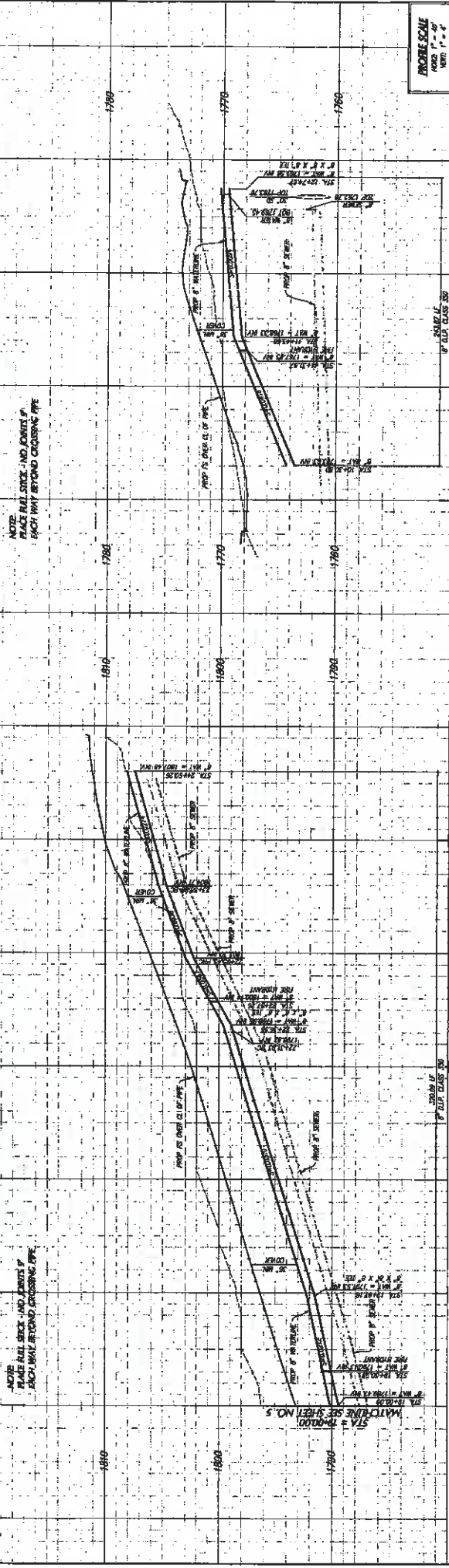
APPROVALS

NO.	BY	DATE	APPROVAL

NOTES

1. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.

2. THE EAST LINE OF THE 1/4" OF SECTION 17, T4N, R10E, S10W, IS LOCATED 107'0" FROM THE WEST LINE OF BAYLAUREL DRIVE. THE WEST LINE OF BAYLAUREL DRIVE IS 107'0" FROM THE EAST LINE OF SECTION 17, T4N, R10E, S10W.

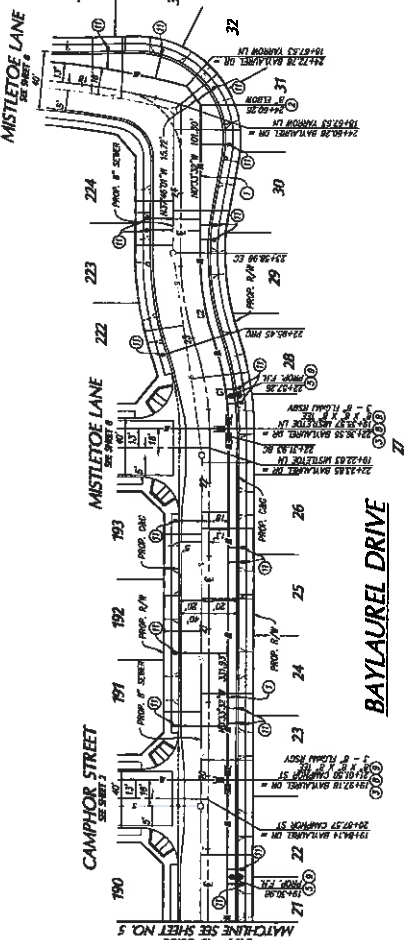


PROPOSED SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

NOTE: PLACE BALL STICKS AND CONCRETE PIPES AT EACH POINT BEYOND CROSSING PIPE.

NOTE: PLACE BALL STICKS AND CONCRETE PIPES AT EACH POINT BEYOND CROSSING PIPE.

PROVIDE TO SHEET OF CONSTRUCTION CONTRACTOR. CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND SHALL VERIFY CONNECTIONS AND SHALL VERIFY POSITIONS.



CONSTRUCTION NOTES

- INSTALL 1" DIA. CLASS 300 RIBBON DUCT PER WIND STD. DNG. M-30
- INSTALL 1" DIA. OF RIBBON
- INSTALL 1" DIA. PER WIND STD. DNG. M-30
- INSTALL PER PERMANENT ASSEMBLY PER WIND STD. DNG. M-2
- INSTALL 1" DIA. BALL AND VALVE PER WIND STD. DNG. M-11 & M-35
- INSTALL 1" DIA. BALL AND VALVE PER WIND STD. DNG. M-1
- INSTALL 1" DIA. BALL AND VALVE PER WIND STD. DNG. M-4

NO.	DATA	LENGTH	MARKET
01	1871'4"	62'84"	341'7"
02	1871'4"	96'30"	28'84"



WATER SERVICE LINE	WATER SERVICE LINE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
 TR 20363
 BAYLAUREL DRIVE - STA. 19400 TO 20000 & MISTLETOE WAY
 SHEET NO. 6 OF 12
 DATE: 07/21/2022

K&A ENGINEERING AND PLANNING SURVEYING
 1000 S. WILLOW STREET
 SUITE 117
 DENVER, CO 80202
 TEL: (303) 733-4300
 FAX: (303) 733-4300
 DATE: 07/21/2022

APPROVED: _____ DATE: _____

DESIGNED: _____ DATE: _____

CHECKED: _____ DATE: _____

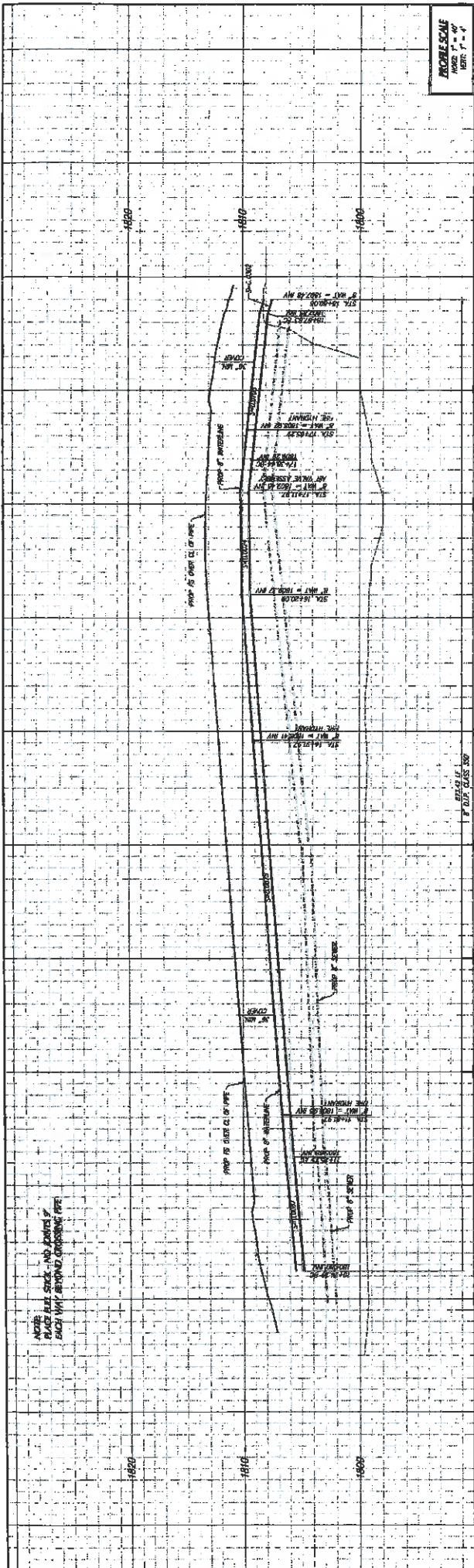
PROJECT: _____

JOB NO: _____

AS SHOWN

DISCLAIMER
 THE USER OF THESE PLANS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR.

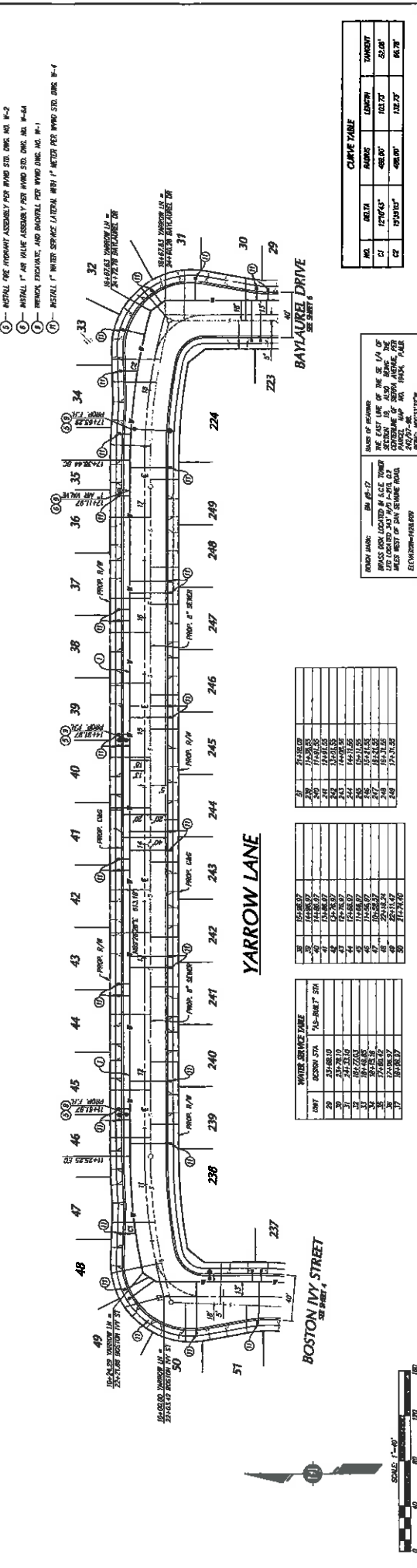
CONTRACTOR'S NOTICE
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE CONTRACTOR.



PROPOSED SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'

CONSTRUCTION NOTES

- 1- INSTALL 12" D.I.P. CUES 300 INCH FULL RESTRAINED JOINTS PER MHD STD. DNR NO. M-3
- 2- INSTALL THE APPROPRIATE ASSEMBLY PER MHD STD. DNR NO. M-2
- 3- INSTALL 1" AIR VALVE ASSEMBLY PER MHD STD. DNR NO. M-44
- 4- CHECK ELEVATION, AND BACKSIGHT LATERAL WITH 1" METERS PER MHD STD. DNR M-1
- 5- INSTALL 1" WATER SERVICE LATERAL WITH 1" METERS PER MHD STD. DNR M-1



NO.	DELTA	AUGUS	LENGTH	THICKNESS	MARKET
CI	127/64"	488.00'	102.37'	52.00"	52.00"
CC	132/64"	488.00'	102.37'	52.00"	52.00"

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
YARROW LANE

ENGINEERING
LAND SURVEYING
SURVEYING
K&A
KIMBERLY A. YARROW, P.E.
DATE: 07/04/2022

DESIGNED BY: []
CHECKED BY: []
DATE: []

APPROVED BY: []
DATE: []

PROJECT NO. 2022-001

SCALE: AS SHOWN

DATE: 07/04/2022

PROJECT NO. 2022-001

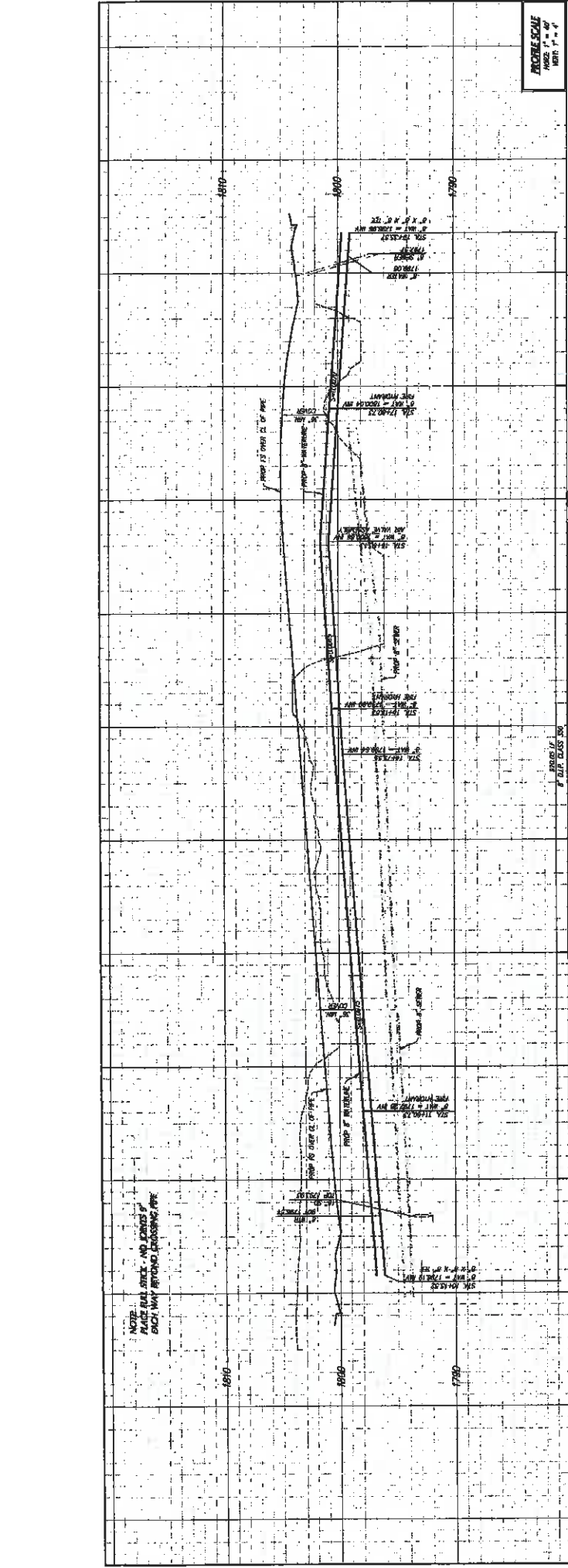
DATE: 07/04/2022

PROJECT NO. 2022-001

DATE: 07/04/2022

PROJECT NO. 2022-001

DATE: 07/04/2022



PROPOSED SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

CONSTRUCTION NOTES

- 1- INSTALL 18" DIA. CLASS 150 RFP FULLY REINFORCED JOINTS PER WIND STD. DING. NO. W-30
- 2- INSTALL 18" DIA. PER WIND STD. DING. NO. W-30
- 3- INSTALL ONE HOISTING ASSEMBLY PER WIND STD. DING. NO. W-2
- 4- INSTALL 1" AIR WALK ASSEMBLY PER WIND STD. DING. NO. W-64
- 5- INSTALL 1" AIR WALK AND WALK BOX PER WIND STD. DING. NO. W-11 & W-30
- 6- WELDER, FLOWLINE, AND SIGNAL PER WIND STD. DING. NO. W-1
- 7- INSTALL 1" WATER SERVICE LATERAL WITH 1" AFTER PER WIND STD. DING. NO. W-4

WATER SERVICE TABLE

WATER SERVICE STA.	150-CLASS 15M
170	170-171
171	171-172
172	172-173
173	173-174
174	174-175
175	175-176
176	176-177
177	177-178
178	178-179
179	179-180
180	180-181
181	181-182
182	182-183
183	183-184
184	184-185
185	185-186
186	186-187
187	187-188
188	188-189
189	189-190
190	190-191
191	191-192
192	192-193
193	193-194
194	194-195

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
 TR 20363
 MISTLETOE LANE

DATE: 06/24/2022
SCALE: AS SHOWN

APPROVAL: _____ DATE: _____

DESIGNED: _____ DATE: _____

CHECKED: _____ DATE: _____

APPROVED: _____ DATE: _____

PROJECT NO.: _____

SHEET NO.: _____

TOTAL SHEETS: _____

UNDERGROUND SERVICE PLANT

CONSTRUCTION NOTES

- 1- INSTALL 18" DIA. CLASS 150 RFP FULLY REINFORCED JOINTS PER WIND STD. DING. NO. W-30
- 2- INSTALL 18" DIA. PER WIND STD. DING. NO. W-30
- 3- INSTALL ONE HOISTING ASSEMBLY PER WIND STD. DING. NO. W-2
- 4- INSTALL 1" AIR WALK ASSEMBLY PER WIND STD. DING. NO. W-64
- 5- INSTALL 1" AIR WALK AND WALK BOX PER WIND STD. DING. NO. W-11 & W-30
- 6- WELDER, FLOWLINE, AND SIGNAL PER WIND STD. DING. NO. W-1
- 7- INSTALL 1" WATER SERVICE LATERAL WITH 1" AFTER PER WIND STD. DING. NO. W-4

PROPOSED
LAND MARKING
STAKING

DATE: 06/24/2022
SCALE: AS SHOWN

APPROVAL: _____ DATE: _____

DESIGNED: _____ DATE: _____

CHECKED: _____ DATE: _____

APPROVED: _____ DATE: _____

PROJECT NO.: _____

SHEET NO.: _____

TOTAL SHEETS: _____

UNDERGROUND SERVICE PLANT

PROPOSED
LAND MARKING
STAKING

DATE: 06/24/2022
SCALE: AS SHOWN

APPROVAL: _____ DATE: _____

DESIGNED: _____ DATE: _____

CHECKED: _____ DATE: _____

APPROVED: _____ DATE: _____

PROJECT NO.: _____

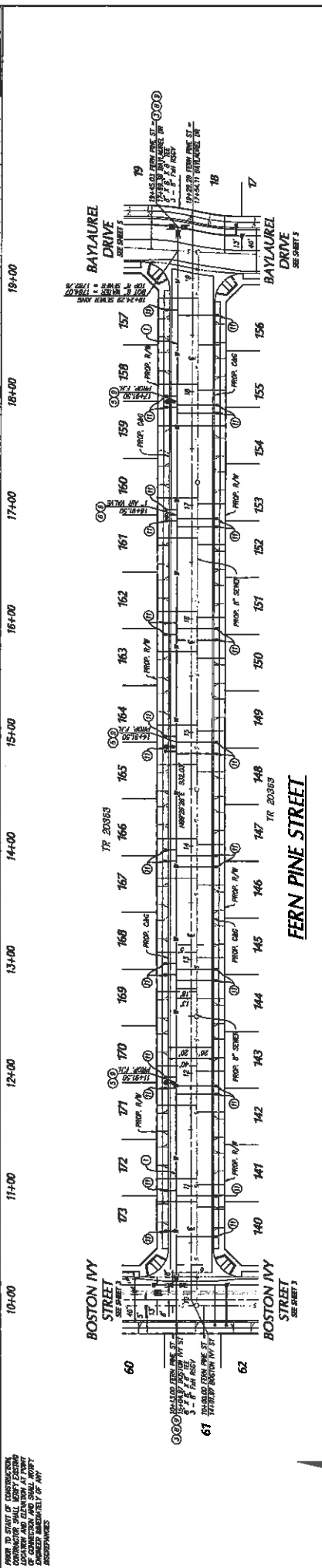
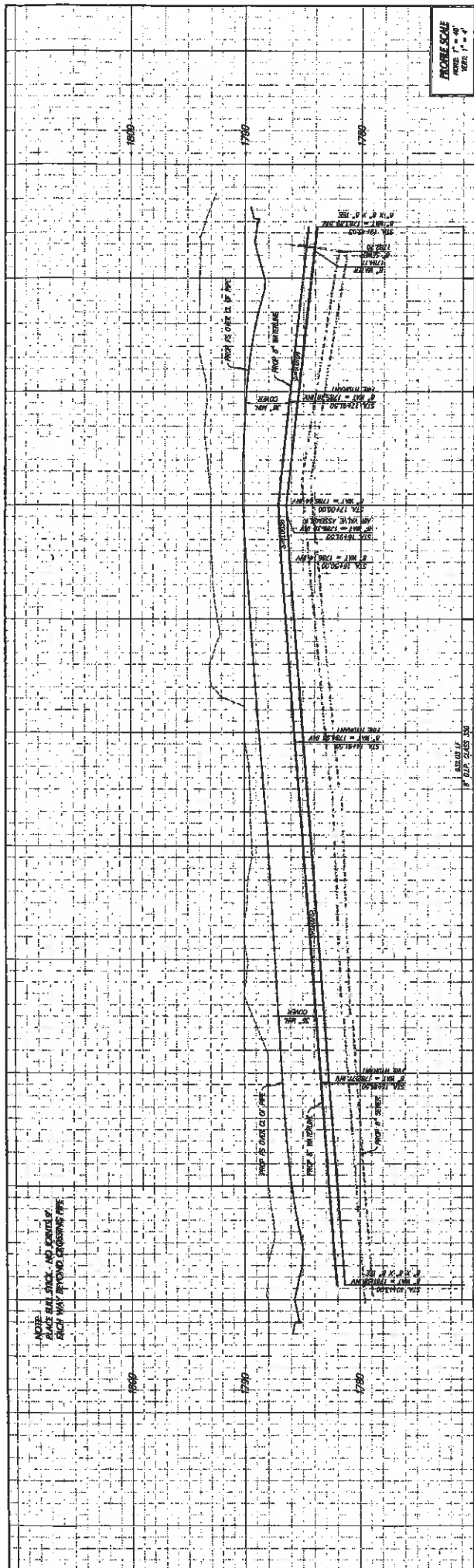
SHEET NO.: _____

TOTAL SHEETS: _____

UNDERGROUND SERVICE PLANT

CONSTRUCTION NOTES

- 1- INSTALL 18" DIA. CLASS 150 RFP FULLY REINFORCED JOINTS PER WIND STD. DING. NO. W-30
- 2- INSTALL 18" DIA. PER WIND STD. DING. NO. W-30
- 3- INSTALL ONE HOISTING ASSEMBLY PER WIND STD. DING. NO. W-2
- 4- INSTALL 1" AIR WALK ASSEMBLY PER WIND STD. DING. NO. W-64
- 5- INSTALL 1" AIR WALK AND WALK BOX PER WIND STD. DING. NO. W-11 & W-30
- 6- WELDER, FLOWLINE, AND SIGNAL PER WIND STD. DING. NO. W-1
- 7- INSTALL 1" WATER SERVICE LATERAL WITH 1" AFTER PER WIND STD. DING. NO. W-4



CONSTRUCTION NOTES

- 1. INSTALL 8" DIA. CLASS 300 RIVETLY REINFORCED CONCRETE PER W.M.D. D.C. M-30
- 2. INSTALL 6" DIA. R.C. PER W.M.D. D.C. M-30
- 3. INSTALL FINE GRANULAR MATERIAL PER W.M.D. D.C. M-2
- 4. INSTALL 1" AIR VALVE ASSEMBLY PER W.M.D. D.C. M-41
- 5. INSTALL 1" AIR VALVE AND WALK OFF FOR W.M.D. D.C. M-41 & M-30
- 6. TRENCH, DRAINAGE, AND BACKFILL PER W.M.D. D.C. M-41
- 7. INSTALL 1" WATER SERVICE LATERAL WITH 1" METER PER W.M.D. D.C. M-41

PROPOSED WATER SERVICE TABLE

INVERT	TOP OF COVER	12" DIA. 15' MANHOLE
143	1748.00	1773.00
144	1753.00	1778.00
145	1758.00	1783.00
146	1763.00	1788.00
147	1768.00	1793.00
148	1773.00	1798.00
149	1778.00	1803.00
150	1783.00	1808.00
151	1788.00	1813.00
152	1793.00	1818.00
153	1798.00	1823.00
154	1803.00	1828.00
155	1808.00	1833.00
156	1813.00	1838.00
157	1818.00	1843.00
158	1823.00	1848.00
159	1828.00	1853.00
160	1833.00	1858.00
161	1838.00	1863.00
162	1843.00	1868.00
163	1848.00	1873.00
164	1853.00	1878.00
165	1858.00	1883.00
166	1863.00	1888.00
167	1868.00	1893.00
168	1873.00	1898.00
169	1878.00	1903.00
170	1883.00	1908.00
171	1888.00	1913.00
172	1893.00	1918.00
173	1898.00	1923.00
174	1903.00	1928.00
175	1908.00	1933.00

CONSTRUCTION NOTES

- 1. INSTALL 8" DIA. CLASS 300 RIVETLY REINFORCED CONCRETE PER W.M.D. D.C. M-30
- 2. INSTALL 6" DIA. R.C. PER W.M.D. D.C. M-30
- 3. INSTALL FINE GRANULAR MATERIAL PER W.M.D. D.C. M-2
- 4. INSTALL 1" AIR VALVE ASSEMBLY PER W.M.D. D.C. M-41
- 5. INSTALL 1" AIR VALVE AND WALK OFF FOR W.M.D. D.C. M-41 & M-30
- 6. TRENCH, DRAINAGE, AND BACKFILL PER W.M.D. D.C. M-41
- 7. INSTALL 1" WATER SERVICE LATERAL WITH 1" METER PER W.M.D. D.C. M-41

WEST VALLEY WATER DISTRICT

WATER IMPROVEMENT PLANS

TR 20063

FERN PINE STREET

DATE: 07/24/2023

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

SCALE: 1" = 40'

NOTE: ALL STREETS AND CORNERS OF EACH WAY BEHIND UNIMPROVED PIPE

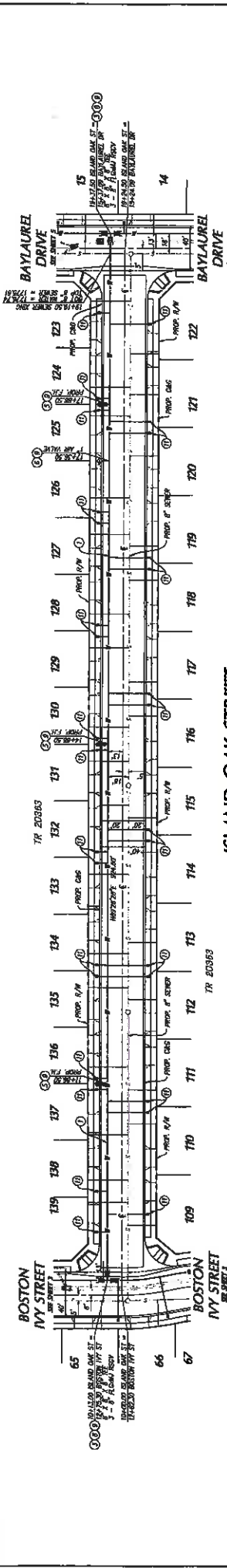
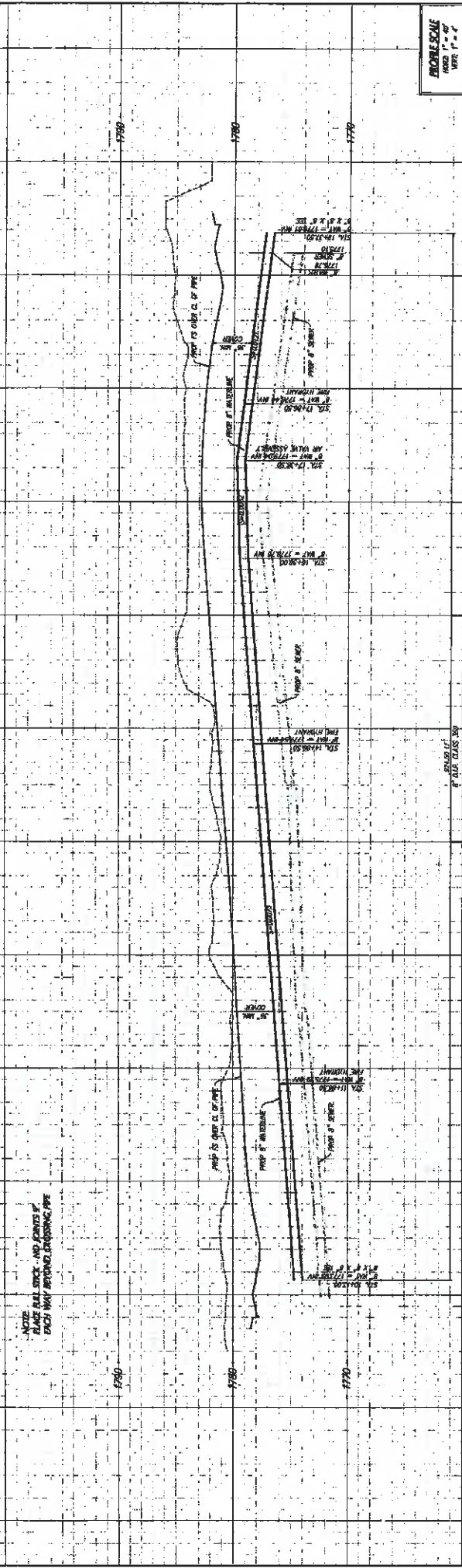
1790

1780

1770

PROPOSED SCALE
1" = 40'

NOTE: IN CASE OF CONSTRUCTION CONTRACTOR SHALL VERIFY EXISTING LOCATION AND ELEVATION, AT POINTS INDICATED BY DIMENSIONAL MARKERS, OF ALL PROPOSED WORK.



ISLAND OAK STREET

LINE	REVISION	DATE	BY	APPROVAL
101	10/12/20			
102	10/12/20			
103	10/12/20			
104	10/12/20			
105	10/12/20			
106	10/12/20			
107	10/12/20			
108	10/12/20			
109	10/12/20			
110	10/12/20			
111	10/12/20			
112	10/12/20			
113	10/12/20			
114	10/12/20			
115	10/12/20			
116	10/12/20			
117	10/12/20			
118	10/12/20			
119	10/12/20			
120	10/12/20			
121	10/12/20			
122	10/12/20			
123	10/12/20			
124	10/12/20			
125	10/12/20			
126	10/12/20			
127	10/12/20			
128	10/12/20			
129	10/12/20			
130	10/12/20			
131	10/12/20			
132	10/12/20			
133	10/12/20			
134	10/12/20			
135	10/12/20			
136	10/12/20			
137	10/12/20			
138	10/12/20			
139	10/12/20			

CONSTRUCTION NOTES

- 1. INSTALL 8" CLIP CLASS 350 WRV FLECK RESERVING JOINTS PER WWD STD. Dwg. No. W-30
- 2. INSTALL 6" DIA. 12" DEEP WRV PER WWD STD. Dwg. No. W-30
- 3. INSTALL 1" AIR VALVE ASSEMBLY PER WWD STD. Dwg. No. W-30
- 4. INSTALL 1" AIR VALVE ASSEMBLY PER WWD STD. Dwg. No. W-30
- 5. INSTALL 8" DIA. VALVE AND WALK BOX PER WWD STD. Dwg. No. W-30
- 6. REGRAD DRIVEWAY AND SIDEWALK PER WWD STD. Dwg. No. W-11 & W-30
- 7. REGRAD 1" WATER SERVICE LATERAL WITH 1" METAL PER WWD STD. Dwg. No. W-4

WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
ISLAND OAK STREET

DATE: 10/12/20
SCALE: AS SHOWN

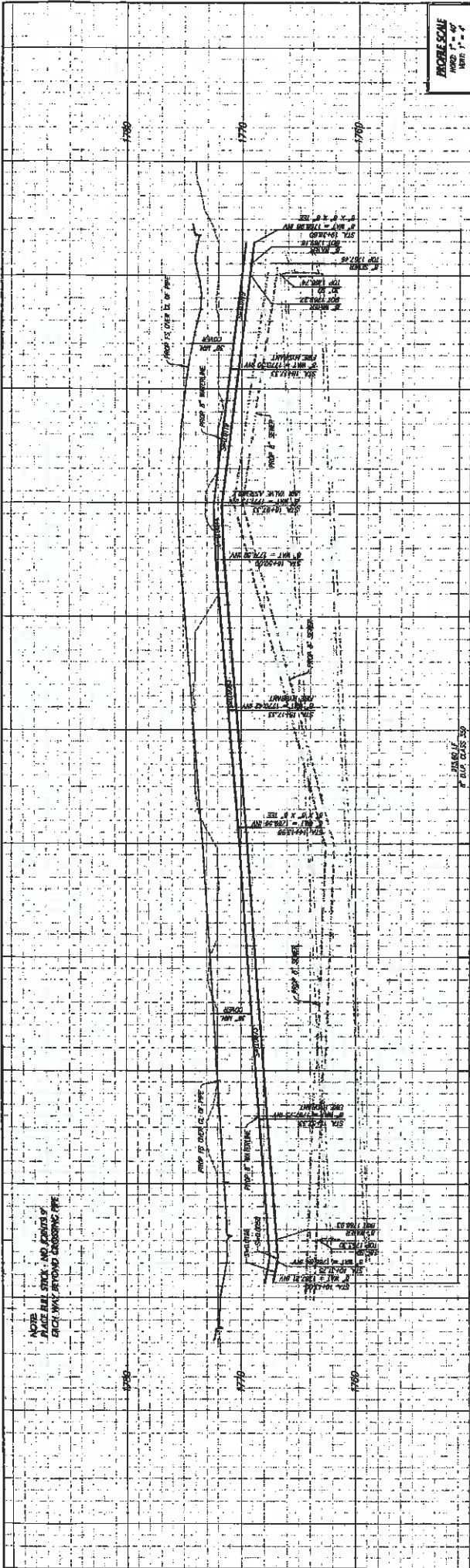
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

PROJECT NO. 20363
SHEET NO. 15 OF 15

CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.

SCALE: 1" = 40'

Packet 1



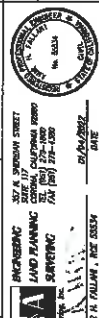
PROPOSED SCALE
1" = 40'

CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND LOCATIONS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.

CONSTRUCTION NOTES

- 1. INSTALL 8" DIA. CLASS 500 WRT FULLY REINFORCED JOINTS PER WWD STD. DING. M-30
- 2. INSTALL 8" DIA. RCP PER WWD STD. DING. M-30
- 3. INSTALL 1" AIR VALVE ASSEMBLY PER WWD STD. DING. M-2
- 4. INSTALL 1" AIR VALVE ASSEMBLY PER WWD STD. DING. M-30
- 5. REMOVE EXISTING AND BACKFILL PER WWD STD. DING. M-7A
- 6. INSTALL 4" BLOW-ART ASSEMBLY PER WWD STD. DING. M-7A
- 7. INSTALL 1" WATER SERVICE LATERAL WITH 1" METAL PER WWD STD. DING. M-4

NOTE: ALL WORK SHALL BE IN ACCORDANCE WITH THE WEST VALLEY WATER DISTRICT WATER IMPROVEMENT PLAN TR 20363.



WEST VALLEY WATER DISTRICT
WATER IMPROVEMENT PLANS
TR 20363
TULIP TREE STREET

WATER SERVICE TABLE

LOT	WATER SERVICE	WATER SERVICE
69	1/2"	1/2"
70	1/2"	1/2"
71	1/2"	1/2"
72	1/2"	1/2"
73	1/2"	1/2"
74	1/2"	1/2"
75	1/2"	1/2"
76	1/2"	1/2"
77	1/2"	1/2"
78	1/2"	1/2"
79	1/2"	1/2"
80	1/2"	1/2"
81	1/2"	1/2"
82	1/2"	1/2"
83	1/2"	1/2"
84	1/2"	1/2"
85	1/2"	1/2"
86	1/2"	1/2"
87	1/2"	1/2"
88	1/2"	1/2"
89	1/2"	1/2"
90	1/2"	1/2"
91	1/2"	1/2"
92	1/2"	1/2"
93	1/2"	1/2"
94	1/2"	1/2"
95	1/2"	1/2"
96	1/2"	1/2"
97	1/2"	1/2"
98	1/2"	1/2"
99	1/2"	1/2"
100	1/2"	1/2"
101	1/2"	1/2"
102	1/2"	1/2"
103	1/2"	1/2"
104	1/2"	1/2"
105	1/2"	1/2"
106	1/2"	1/2"
107	1/2"	1/2"
108	1/2"	1/2"

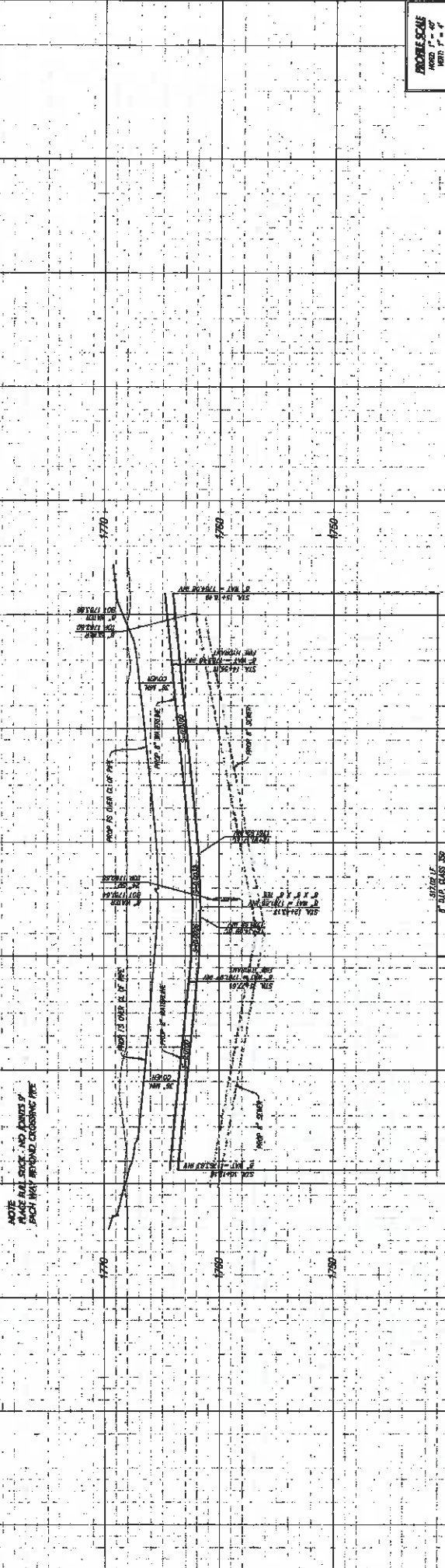


NO.	DATE	BY	CHK	APPROVAL

DESIGNED	DRAWN	CHECKED	AS SHOWN



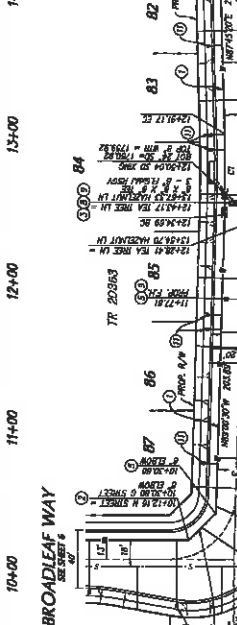
CONTRACTOR SHALL VERIFY EXISTING UTILITIES AND LOCATIONS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES.



CONSTRUCTION NOTES

1. INSTALL 8" D.I.P. CLASS 300 WITH FULLY REINFORCED JOINTS PER MHD STD. DWG. W-30
2. INSTALL 8" D.I. 45° BEND
3. INSTALL 8" D.I. SEE PER MHD STD. DWG. NO. W-30
4. INSTALL THE INVERT ASSEMBLY PER MHD STD. DWG. NO. W-2
5. INSTALL 8" GATE VALVE AND WALK OFF PER MHD STD. DWG. NO. W-11 & W-30
6. TRENCH EXCAVATE AND BACKFILL PER MHD STD. DWG. NO. W-1
7. INSTALL 4" BLOW-OFF ASSEMBLY PER MHD STD. DWG. NO. W-7A
8. INSTALL 1" WATER SERVICE LATERAL WITH 1" METERS PER MHD STD. DWG. W-4

CURVE TABLE			
ARC	DETA	LENGTH	TANGENT
MH	274.00'	887.00'	255.00'
CT			27.00'



WATER SERVICE TABLE	
MANHOLE	VALVE
74	1
75	2
76	3
77	4
78	5
79	6
80	7

PROJECTIONS
 2023 A. SHERMAN STREET
 177 S. 17th AVE. SPOKANE, ID
 (509) 325-1000
 FAX (509) 325-1000
 DATE: 07/24/2023

REVISIONS

NO.	DATE	APPROVAL	REVISION

WEST VALLEY WATER DISTRICT
 WATER IMPROVEMENT PLANS
 TR 20383
 TEA TREE LANE

REVISIONS

NO.	DATE	APPROVAL	REVISION

WEST VALLEY WATER DISTRICT
 WATER IMPROVEMENT PLANS
 TR 20383
 TEA TREE LANE

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