

ADDENDUM NO. 1

August 26, 2024

**LATHROP GATEWAY ARCHES
CIP GG 24-23**

This addendum amends the Contract Drawings and Specifications for this project as follows:

1. Revise Cover Sheet to include City of Lathrop signatures
2. Revise sheet L2.0 to remove "Drip and Low Flow Emitter Notes"

The following Requests for Information (RFI) have been received by the City, and are followed by the City's answer (A):

RFI 1: Please provide details on what rivets are to be used, including manufacturer, item number and installation requirements.

A1: The "rivets" are decorative and intended to be an aesthetic treatment only. We recommend tack welding a 1-1/2" diameter steel button head to the structure at all 4x4 member intersections on both sides of each arch, per detail 1 on sheet L4.1. It is better, structurally, to not introduce holes into the truss members and make "rivets" a decorative add-on. The "rivets" would receive the same finish as the rest of the arch structure.

RFI 2: Normally Corten material is used, plans do not specify Corten. Can you provide "weather finish" details. Plan Page S2.1, note 9 refers to three finishes, but none will achieve weather finish. One of the finishes is powder coat, however we do not know of any companies that can accommodate pieces of this size in their ovens. Galvanized finish would also require cut down, which would look unsightly.

A2: Structurally, the finish needs to protect the steel from additional decay. Use of ASTM A588 Corten is suggested.

RFI 3: Can you confirm that the steel subcontractor, rather than a sign company is responsible for fabricating and installing the steel sign/letters/logo as shown on L4.1? If the steel sub is fabricating and installing this sign the following information is needed:

- a. Keynote 16, please provide the type (size and thickness), manufacturer, and item # of the perforated material to be used and how it is to be attached to the 1" steel border and lettering/logo.
- b. Will the City provide CAD drawings for the lettering, logo and date?

- c. Please provide the details for fabricating the sign. How will the letters be attached to the perforated material? Details for the how the border to be made as shown in Keynote 17, and how the sign is to be attached to the steel structure.

A3: Detail 1 on sheet L4.1 is provided for reference only and shop drawings/manufacturer are expected to provide further detailing. Both lettering and border will be welded to the sign backing. Sign should be securely bolted to structure for ease of removal and needed replacement. City will provide CAD drawings upon request by awarded contractor.

RFI 4: Plan details call out for bubblers on poly pipe and legend calls out for a threaded bubbler. Can you confirm that bubblers are to be installed typically for City of Lathrop (bubbler on flex tube-1 to each plant)?

A4: The city does not allow emitters, use bubblers for all plants and deep root bubblers for trees.

RFI 5: Is 3/8" Decomposed Granite Mulch to be stabilized and installed 3" over 3" of base w/fabric? No details provided on plan set.

A5: Yes, all DG is stabilized. 4" total section, DG to be installed in 2 each 2" lifts over native.

RFI 6: Is this to be a 2-wire irrigation system?

A6: Yes, all irrigation systems will be 2-wire irrigation system

RFI 7: The QTRAN IQ-DMX-STICK-DE3 controllers seemed to be not UL listed/compliant material. They are also not outdoor rated devices.

A7: The controllers will be located in the pedestal and not outdoor, so the rating is fine. The QTRAN IQ-DMX-STICK-DE3 is listed by ETL an alternate testing and listing agency.

RFI 8: Are there any specific callouts on the construction/materials for the column claddings on both sides of the sign? We would normally fabricate these out of aluminum, with veneers for the decorative elements, but are unsure what is being requested. Reference: pg. L4.1, E2

A8: The cladding materials are veneers around the center steel columns for the main structure support. Veneers are as indicated on detail 1, sheet L4.1 notes 8, 9, and 12 with a column cap per note 5. Aluminum fabrication for the veneer support makes sense.

RFI 9: The request is for Halo illumination on the lettering, but the font is currently too thin to support that, do we have authorization to thicken the font as needed to support LEDs? Reference: note 19, pg. E2

A9: Font can be thickened within reason, however legibility is a priority and the City would need to review and approve any design updates in the form of shop drawings submitted.

When submitting the bid for the project, the Contractor must acknowledge receipt of the addendum.

Recommended by:  FOR 8/26/2024
Zachary Karver
Project Manager
Date

Approved by:  8/26/2024
Brad Taylor
City Engineer
Date

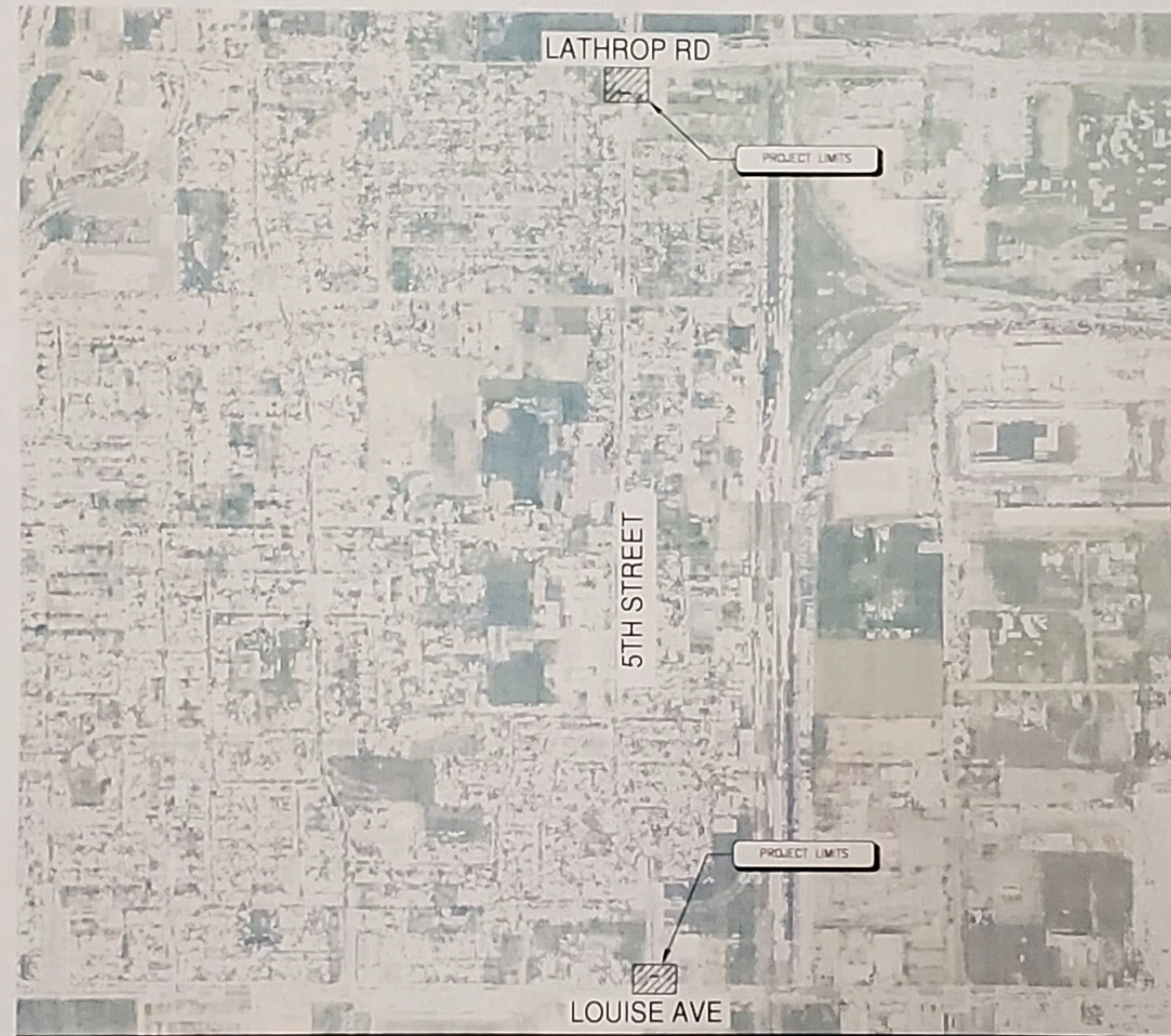
GENERAL NOTES

- LANDSCAPE IMPROVEMENTS SHALL BE CONSTRUCTED IN COMPLIANCE WITH CITY OF LATHROP, CALIFORNIA CURRENT STANDARDS AND SPECIFICATIONS AS APPROVED INCLUDING ALL AMENDMENTS THERETO TO DATE. IMPROVEMENTS SHALL ALSO BE IN COMPLIANCE WITH CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS LATEST EDITION, WHERE APPLICABLE. IN THE EVENT THERE IS A CONFLICT WITH THE PLANS AND REFERENCES STATED ABOVE, THE GOVERNING BODY STANDARDS AND SPECIFICATIONS SHALL PREVAIL. ALL WORK SHALL BE SUBJECT TO INSPECTION.
- DESIGN: THE DRAWINGS HEREIN REPRESENT THE DESIGN TO BE IMPLEMENTED ON THE SITE DEPICTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO CLARIFY PLAN DETAILS RELATED TO SITE OR CONSTRUCTION DETAILS NECESSARY FOR PROJECT COMPLETION.
- COORDINATION: CONTRACTORS SHALL COORDINATE INSTALLATION AND SCHEDULING WITH THAT OF CITY/CITY REPRESENTATIVE AND OTHER CONTRACTORS EFFICIENTLY AND IN A TIMELY MANNER, ENSURING THE PROJECT COMPLETION IS UNIMPEDED AND INSTALLED CORRECTLY WITH MINIMAL MAINTENANCE. CITY/CITY REPRESENTATIVE SHALL BE CONTACTED DIRECTLY AT LEAST TWO WORKING DAYS (48 HOURS) PRIOR TO COVERING, COMPLETION, OR EXPOSING WORK THAT WILL BE INSTALLED.
- SITE CONDITIONS: SEE GENERAL PROVISIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS FOR CONTRACTOR RESPONSIBILITIES RELATED TO SITE CONDITIONS. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS OF SITE. IN THE EVENT THAT ON-SITE CONDITIONS DIFFER FROM CONDITIONS DEPICTED ON PLANS AND WILL IMPACT THE INSTALLATION PROCESS, THE CONTRACTOR SHALL SUBMIT THESE FINDINGS TO THE LANDSCAPE ARCHITECT/CITY IN WRITING PRIOR TO BEGINNING WORK. CONTRACTOR SHALL CONFIRM ALL POINTS OF CONNECTIONS PRIOR TO CONSTRUCTION. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE EXISTING SITE CONDITIONS.
- BASE INFORMATION: THE PROPOSED LANDSCAPE IMPROVEMENTS SHOWN HEREIN ARE SUPERIMPOSED OVER DATA PROVIDED TO THE LANDSCAPE ARCHITECT BY OTHER SOURCES. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR THE CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS RELATED TO THIS DATA. THE BASE INFORMATION IS PROVIDED AS AN AID ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DOCUMENTS AND ACCOMMODATING ANY DISCREPANCIES.

BASE INFORMATION PROVIDED BY:
 TOPOGRAPHICAL SURVEY
 • O'DELL ENGINEERING, A WESTWOOD COMPANY
 1165 SCENIC DRIVE, SUITE A
 MODESTO, CA 95350
 PHONE: (209) 571-1765
 FILENAME: 42820-TP.DWG

- BIDDING INFORMATION: SEE GENERAL PROVISIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS FOR CONTRACTOR RESPONSIBILITIES RELATED TO BIDDING INFORMATION AND SITE VISITS PRIOR TO BID SUBMITTAL.
- PRE-CONSTRUCTION MEETING: A PRE-CONSTRUCTION MEETING SHALL BE COORDINATED WITH THE APPROPRIATE REGULATORY BODY PRIOR TO BEGINNING WORK. APPLICABLE AGENCIES AND PARTIES SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS (72 HOURS) IN ADVANCE OF THE PRE-CONSTRUCTION MEETING.
- UTILITIES: THE CONTRACTOR AND ANY SUBCONTRACTORS SHALL CONTACT U.S.A. AT LEAST TWO WORKING DAYS (48 HOURS) PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES AND PUBLIC AGENCIES TO DISCONNECT EXISTING UTILITIES TO THE PROJECT SITE PRIOR TO DEMOLITION.
- POT HOLE: ONLY EXCAVATION WILL REVEAL ACTUAL TYPES, LOCATIONS, SIZES, AND DEPTHS OF UNDERGROUND UTILITIES. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF UNDERGROUND UTILITIES OR OF BURIED EXISTING OBJECTS AND UTILITIES NOT SHOWN ON THESE PLANS.
- AS-BUILTS: FOR AS-BUILT PURPOSES, THE CONTRACTOR SHALL KEEP A CURRENT SET OF DRAWINGS ON SITE AT ALL TIMES WITH DEVIATIONS FROM ORIGINAL PLANS AND SPECIFICATIONS NOTED. UPON PROJECT COMPLETION THE CONTRACTOR SHALL PROVIDE THE CITY WITH A DIGITAL FORMAT, COMPLETE SET OF AS-BUILT DRAWINGS.

CITY OF LATHROP GATEWAY ARCHES CIP GG 24-23 LANDSCAPE IMPROVEMENT PLANS LATHROP, CALIFORNIA



SHEET INDEX

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
CS	COVER SHEET	L5.0	IRRIGATION DETAILS
L0.0	DEMOLITION PLAN	L5.1	IRRIGATION DETAILS
L0.1	EROSION CONTROL PLAN	L6.0	PLANTING DETAILS
C1.0	NOTES SHEET	S1.1	STRUCTURAL NOTES
C1.2	DETAILS	S1.2	TYPICAL STRUCTURAL DETAILS ENGINEERING RENDERING
C2.0	GRADING PLAN	S2.1	FOUNDATION PLANS
L1.0	SITE LAYOUT PLAN	S2.2	FRAMING PLAN
L2.0	IRRIGATION LEGEND AND NOTES	S3.1	FRAMING ELEVATIONS
L2.1	IRRIGATION PLAN	E1	STRUCTURAL DETAILS
L3.0	PLANTING LEGEND AND NOTES	E2	ELECTRICAL SITE PLAN
L3.1	PLANTING PLAN		ARCH DETAILS
L4.0	CONSTRUCTION DETAILS		
L4.1	CONSTRUCTION DETAILS		

ABBREVIATIONS

BC	BOTTOM OF CURB	HP	HIGH POINT
BW	BOTTOM OF WALL	INV	INVERT ELEVATION
BOW	BACK OF WALL	MAX	MAXIMUM
CJ	TOOLED CONTROL JOINT	MIN	MINIMUM
CL	CENTERLINE	(N)	NEW
CLR	CLEAR	OC	ON CENTER
CIP	CAST IN PLACE	PA	PLANTING AREA
CMU	CONCRETE MASONRY UNIT	PIP	POURED IN PLACE CONCRETE
C	CONCRETE	POB	POINT OF BEGINNING
DG	DECOMPOSED GRANITE	R	RADIUS
DWGS	DRAWINGS	RIM	RIM ELEVATION
(E) OR EX	EXISTING	RP	RADIUS POINT
EJ	EXPANSION JOINT	SCD	SEE CIVIL DRAWINGS
EQ	EQUAL	SED	SEE ELECTRICAL DRAWINGS
FC	FACE OF CURB	SJ	SCORE JOINT
FD	FINISH GRADE	SM	SIMILAR
FL	FLOW LINE	SP	SPACE
FDB	FACE OF BUILDING	TBD	TO BE DETERMINED
FDW	FACE OF WALL	TC	TOP OF CURB
FS	FINISH SURFACE	TP	TOP OF PAVEMENT
FV	FIELD VERIFY	TW	TOP OF WALL
		TYP	TYPICAL

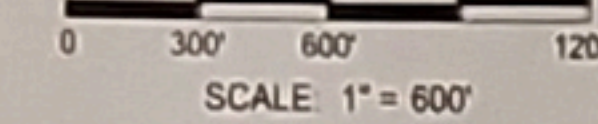
CONTACT INFORMATION

OWNER:	CITY OF LATHROP 390 TOWNE CENTRE DR LATHROP, CA 95333 (209) 941-7200 EMAIL: PWDEPT@CCLATHROP.CA.US
LANDSCAPE ARCHITECT:	O'DELL ENGINEERING, A WESTWOOD COMPANY 1165 SCENIC DRIVE, SUITE B MODESTO, CA 95350 CONTACT: JESSE GRAFTON (209) 571-1765 EMAIL: JESSE.GRAFTON@WESTWOODPS.COM
CIVIL ENGINEER:	O'DELL ENGINEERING, A WESTWOOD COMPANY 1165 SCENIC DRIVE, SUITE A MODESTO, CA 95350 CONTACT: STEPHANIE KONG (209) 571-1765 EMAIL: STEPHANIE.KONG@WESTWOODPS.COM
STRUCTURAL ENGINEER:	PELTON WYLLIE + FAHRNEY ENGINEERING, INC 2813 COFFEE RD, STE. D1 MODESTO, CA 95335 CONTACT: NICK FAHRNEY (209) 575-9619 EMAIL: NICK@PWF-ENG.COM
ELECTRICAL ENGINEER:	HCS ENGINEERING, INC 4512 FEATHER RIVER DRIVE #F STOCKTON, CA 95219 CONTACT: RICHARD SMITH (209) 478-8270 EMAIL: RICHARD@HCS-ENG.COM

LANDSCAPE IMPROVEMENT LIMITS

PROJECT INFORMATION

PROJECT TITLE:	CITY OF LATHROP GATEWAY ARCHES CIP GG 24-23	PROJECT TYPE:	NEW CONSTRUCTION / PUBLIC
PARCEL NUMBER:	PUBLIC	GRADING PLANS:	SEE CIVIL ENGINEERING PLANS
ZONING:	PUBLIC	BUILDING ELEVATIONS:	N/A
PROJECT ADDRESS:	5TH STREET AT LATHROP RD & 5TH STREET AT LOUISE AVE LATHROP, CA, 95330	WATER SUPPLY TYPE & LOCAL PURVEYOR:	POTABLE CITY OF LATHROP
APPLICANT/OWNER:	CITY OF LATHROP 390 TOWNE CENTRE DR LATHROP, CA, 95330 (209) 941-7200 PWDEPT@CCLATHROP.CA.US	NORTH ARCH ADJACENT PROPERTY USES:	NORTH - LATHROP ROAD SOUTH - 5TH AVENUE EAST - COMMERCIAL WEST - RESIDENTIAL
PLANS PREPARED BY:	O'DELL ENGINEERING, A WESTWOOD COMPANY 1165 SCENIC DRIVE, SUITE A MODESTO, CA 95350 (209) 571-1765 OFFICE EMAIL: JESSE.GRAFTON@WESTWOODPS.COM	SOUTH ARCH ADJACENT PROPERTY USES:	NORTH - 5TH AVENUE SOUTH - LOUISE AVENUE EAST - COMMERCIAL WEST - RESIDENTIAL
LICENSE NUMBER:	CLA #6127	UTILITY PLANS:	N/A
IRRIGATED LANDSCAPE AREA:	459 SQUARE FEET	SOIL REPORT:	NOTES: SOIL AMENDMENTS IN THE GENERAL PURPOSES ONLY. ACTUAL AMENDMENTS SHALL REFLECT THE RECOMMENDATIONS OF THE REPORT ONCE FINAL MASS GRADING HAS BEEN PERFORMED AND SAMPLES HAVE BEEN SUBMITTED TO SOILS LAB.



CITY OF LATHROP DEPARTMENT OF PUBLIC WORKS	
APPROVED BY: <u>N/A</u> ASSISTANT CITY MANAGER	DATE: _____
CITY OF LATHROP CONSTRUCTION MANAGEMENT DEPARTMENT	
APPROVED BY: <u>N/A</u> SENIOR CONSTRUCTION MANAGER	DATE: _____
CITY OF LATHROP ENGINEERING	
APPROVED BY: <u>[Signature]</u> CITY ENGINEER	DATE: <u>8/26/2024</u> RCE NO: <u>092823</u> EXP DATE: <u>12/31/25</u>

PLAN REVISIONS

NO.	DATE	REVISION

O'DELL ENGINEERING
 a Westwood company
 1165 Scenic Drive, Suite A
 Modesto, CA 95350
 odellengineering.com
 westwoodps.com

LANDSCAPE IMPROVEMENT PLANS
CITY OF LATHROP
GATEWAY ARCHES
CIP GG 24-23
LATHROP, CALIFORNIA

COVER SHEET

APPROVED: _____

DESIGNED: MS
 DRAWN: JS/MS
 CHECKED: JG
 SCALE: 1" = 600'
 DATE: 06/27/2024
 JOB NO.: 42820
 FILE NO.: 42820-CS.DWG

BID SUBMITTAL Know what's below. Call before you dig.

SHEET NO. **CS** OF **23**

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GENERAL IRRIGATION NOTES

- ANY AND ALL PORTIONS OF WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH ALL APPLICABLE RULES AND REGULATIONS AS SET FORTH BY LOCAL MUNICIPALITIES, STATE AND NATIONAL AGENCIES. IN THE EVENT THERE IS A CONFLICT WITH THESE PLANS AND THE AGENCIES STATED ABOVE, THE GOVERNING BODY'S REGULATIONS SHALL PREVAIL.
- IRRIGATION SHALL BE INSTALLED CONSISTENT WITH CITY OF LATHROP WATER CONSERVATION REQUIREMENTS AND THE STATE WATER EFFICIENT LANDSCAPE ORDINANCE (AB1881).
- PRIOR TO BIDDING AND COMMENCEMENT OF SITE WORK, THE CONTRACTOR SHALL BECOME FAMILIAR WITH/AND EXAMINE CONDITIONS OF THE PROJECT SITE, VERIFYING LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES. LOCATIONS OF ITEMS SHOWN ON THESE PLANS ARE ONLY APPROXIMATIONS. ANY DISCREPANCIES DISCOVERED SHALL BE REPORTED TO THE CITY. FAILURE TO REPORT DISCREPANCIES TO THE CITY BEFORE COMMENCEMENT OF SITE WORK IMPLIES ACCEPTANCE OF SITE CONDITIONS AND COSTS ASSOCIATED WITH CORRECTING IRRIGATION LAYOUTS. ANY EXISTING SITE FEATURES, GRADE CHANGES, OR SITE PLAN DESIGN CHANGES NOT SPECIFICALLY ADDRESSED ON THESE PLANS, (OR UNKNOWN CONDITIONS THAT WERE NOT APPARENT DURING THE DESIGN PROCESS) THAT WILL IMPACT INSTALLATION OR OPERATING OF IRRIGATION SYSTEMS IN ANY WAY, SHALL BE REPORTED TO THE CITY PRIOR TO COMMENCEMENT OF SITE WORK. CONTRACTOR SHALL COORDINATE & SCHEDULE INSTALLATION EFFORTS WITH THOSE OF OTHER TRADES TO AVOID COSTLY DELAYS & ERRORS.
- CONTRACTOR SHALL INSTALL IRRIGATION EQUIPMENT PER DETAILS AND SPECIFICATIONS. ALL IRRIGATION EQUIPMENT REQUIRED FOR PROJECT COMPLETION BUT NOT DETAILED ON THESE PLANS SHALL BE INSTALLED PER LOCAL AND STATE CODES AND MANUFACTURER'S WRITTEN INSTALLATION RECOMMENDATIONS.
- CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR SUCCESSFUL COMPLETION OF PROJECT PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY AND ALL PROJECT RELATED ARCHITECTURAL OR ENGINEERING DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL REPAIR, REPLACE, OR COMPENSATE CITY FOR ALL ITEMS DAMAGED BY THEIR WORK.
- THE CONTRACTOR SHALL COORDINATE AND SCHEDULE INSTALLATION EFFORTS WITH THOSE OF OTHER TRADES TO AVOID COSTLY DELAYS AND ERRORS.
- CONTACT CITY OF LATHROP, CALIFORNIA IN ADVANCE TO SCHEDULE ALL NECESSARY IRRIGATION TESTS.
- REQUIRED TESTING
 - PRESSURE TEST: MAINLINE SHALL HOLD 120 PSI MIN. FOR 8 HOURS. IF LEAKS OCCUR, REPLACE FAULTY COMPONENTS AND RE-TEST. CONTRACTOR SHALL PROVIDE MAINLINE & WIRE AS-BUILT'S TO LANDSCAPE ARCHITECT/CITY PRIOR TO BACKFILLING TRENCH AFTER PRESSURE TEST IS COMPLETE.
 - COVERAGE TEST: COVERAGE TEST SHALL BE PERFORMED PRIOR TO INSTALLATION OF ANY PLANT MATERIAL. IRRIGATION AUDIT SHALL BE PERFORMED AT THIS POINT, BY CERTIFIED IRRIGATION AUDITOR. CONTRACTOR SHALL PROVIDE RESULTS TO LANDSCAPE ARCHITECT/CITY AND MAKE ALL NECESSARY CORRECTIONS PRIOR TO PLANTING. FAILURE TO DO SO SHALL MAKE ALL REQUIRED COSTS ASSOCIATED WITH ADJUSTING IRRIGATION THE CONTRACTOR'S RESPONSIBILITY.
 - BACKFLOW PREVENTION DEVICE TEST: BACKFLOW PREVENTION TEST SHALL BE PERFORMED BY A CERTIFIED BACKFLOW PREVENTION TESTER. CONTRACTOR SHALL PROVIDE RESULTS TO LANDSCAPE ARCHITECT/ CITY UPON COMPLETION.

POINT OF CONNECTION NOTES

- CONTRACTOR SHALL INVESTIGATE AND DETERMINE THE POINT OF CONNECTION LOCATION, IF DIFFERENT THAN SHOWN ON THESE PLANS THIS SHALL BE REPORTED TO THE CITY.
- THE IRRIGATION SYSTEM AS SHOWN WITHIN THESE PLANS HAS BEEN DESIGNED BASED ON OPERATING PRESSURES OF 30 PSI AND MAXIMUM FLOW DEMANDS OF 4.0 GPM. THE CITY OF LATHROP, CALIFORNIA REPORTS THAT STATIC WATER PRESSURES AT THE SITE WILL BE APPROXIMATELY 55 PSI. THE CONTRACTOR IS TO PERFORM PRESSURE TESTS AT THE POINT OF CONNECTION TO CONFIRM ACTUAL SITE PRESSURE LEVELS. ANY DISCREPANCIES BETWEEN INFORMATION ON THESE PLANS AND THAT OF EXISTING SITE CONDITIONS OR MANUFACTURER DATA SHALL BE REPORTED TO THE CITY. FAILURE TO CONFIRM POC INFORMATION RESULTING IN REQUIRED CHANGES, DUE TO LOW PRESSURE OR VOLUME, WILL RESULT IN CITY DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE CITY.
- CONTRACTOR SHALL CONFIRM ALL POINTS OF CONNECTIONS PRIOR TO CONSTRUCTION.

CONTROLLER ASSEMBLY NOTES

- CONTROLLER LOCATION SHOWN ON DRAWINGS IS AN APPROXIMATE LOCATION. CONTRACTOR SHALL CONFIRM LOCATION OF CONTROLLER WITH CITY PRIOR TO CONTROLLER INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL CONNECTIONS BETWEEN THE 120 VOLT POWER SOURCE TO THE CONTROLLER, VALVES, AND ADDITIONAL IRRIGATION EQUIPMENT. SEE ELECTRICAL ENGINEERING DRAWINGS FOR ELECTRICAL CONNECTION REQUIREMENTS AND LOCATION. FAILURE TO OBTAIN APPROVAL OF CONTROLLER ASSEMBLY LOCATION PRIOR TO INSTALLATION WILL RESULT IN CITY DIRECTED REVISIONS AT NO ADDITIONAL COST TO THE CITY.
- A LAMINATED, WATERPROOF, LEGIBLE, CHART OF THE IRRIGATION SYSTEM NOT EXCEEDING 11"x17", SHALL BE PROVIDED TO THE CITY AND ONE ADHERED TO THE INSIDE COVER OF THE CONTROLLER. ALL VALVES AND THEIR RESPECTIVE COVERAGE AREAS SHALL BE IDENTIFIED WITH SEPARATE AND DISTINCT COLORS.

IRRIGATION VALVE NOTES

- VALVE AND QUICK COUPLER LOCATIONS SHOWN ON DRAWINGS ARE APPROXIMATE LOCATIONS. CONTRACTOR SHALL STAKE THE LOCATIONS OF VALVES AND QUICK COUPLERS FOR APPROVAL BY CITY PRIOR TO INSTALLATION.
- VALVES AND QUICK COUPLERS SHALL BE GROUPED TOGETHER AND INSTALLED IN SHRUB BEDS, UNLESS NOTED OTHERWISE.
- INSTALL ALL VALVES AND QUICK COUPLERS PER PLAN DETAILS AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

ELECTRICAL WIRING NOTES

- WIRING SHALL BE INSTALLED IN SAME TRENCH AS MAINLINE WITH 18" OF COVER.
- CONTRACTOR TO SUPPLY TWO ADDITIONAL WIRES FROM CONTROLLER (STRETCHING ALONG THE ENTIRE MAINLINE) TO THE LAST VALVE OR STUB OF EACH AND EVERY LEG OF MAINLINE. EACH WIRE SHALL BE TAGGED WITH A WATERPROOF LEGIBLE LABEL SPECIFYING IT AS AN "EXTRA WIRE".
- CONTROL WIRE TO BE U.L. LISTED, DIRECT BURIAL #14UF AWG MINIMUM. COMMON WIRE TO BE U.L. LISTED, DIRECT BURIAL #12UF AWG MINIMUM. WIRING TO BE COLOR CODED WITH CORRESPONDING STATION NUMBER TAGS AT THE CONTROLLER AND VALVES.
- WATERPROOF DB96 WIRE CONNECTORS SHALL BE USED AT ALL WIRE CONNECTIONS.

PVC PIPING NOTES

- PIPING AND EQUIPMENT LAYOUT IS SHOWN SCHEMATICALLY FOR VISUAL CLARITY. PIPING AND EQUIPMENT SHOWN WITHIN PAVED AREAS SHALL BE INSTALLED WITHIN AREAS DESIGNATED FOR LANDSCAPE. MAINLINES SHALL BE LOCATED A MINIMUM OF 18" OFF ADJACENT PAVEMENT OR OTHER OBSTACLES.
- NON-PRESSURIZED LINES SHALL BE BURIED WITH A MINIMUM OF (18") COVER. PRESSURIZED MAINLINES SHALL BE BURIED WITH A MINIMUM OF (24") COVER. UNDERGROUND WARNING TAPE READING "CAUTION, BURIED IRRIGATION LINE BELOW" SHALL BE INSTALLED 12" ABOVE PRESSURIZED LINES.
- PIPE SIZES SHALL BE INSTALLED PER PLANS. SMALLER PIPE SIZE SUBSTITUTIONS ARE NOT ACCEPTABLE; LARGER PIPE SIZES MAY BE APPROVED.
- SOLVENT WELD FITTINGS FOR MAINLINES 2 1/2" AND SMALLER SHALL BE SCHEDULE 40 PVC. FOR MAINLINES 3"-4" USE SCH 80 SOLVENT, WELD FITTINGS. ALL THREADED FITTINGS SHALL BE SCHEDULE 80 PVC.

SLEEVING NOTES

- SCHEDULE 40 PVC SLEEVES SHALL BE PROVIDED FOR ALL IRRIGATION LINES UNDER PAVING.
- SLEEVES SHALL BE SIZED PER PLAN OR TWICE THE SIZE OF THE PIPE WHEN NOT SPECIFIED. ELECTRICAL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES. PIPING AND WIRING SHALL BE IN SEPARATE SLEEVES.
- SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND PAVED SURFACES OR AS NOTED.


WATER CONSERVATION STATEMENT

1. THIS PROJECT FALLS SHORT OF THE 2,500 SQ. FT. THRESHOLD FOR REHABILITATED LANDSCAPE PROJECTS PER THE WATER EFFICIENT LANDSCAPE ORDINANCE AB1881 AND THEREFORE IS EXEMPT FROM WATER CALCULATIONS.


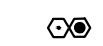
AS-BUILT NOTES

- CONTRACTOR SHALL MAKE DAILY AS-BUILT PLANS OF MAINLINE & WIRE. CONTRACTOR SHALL SUBMIT AS-BUILT'S TO CITY DURING MAINLINE PRESSURE TESTING AND SHALL NOT BURY MAINLINE UNTIL AS-BUILT SET HAS BEEN APPROVED BY CITY. AS-BUILT'S SHALL INDICATE COLOR OF ELECTRICAL TAPE ON EACH RUN/LEG OF WIRE TO AID IN FUTURE WIRE TROUBLE SHOOTING.









I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE IRRIGATION PLANS.

By:  DATE: 06/27/2024



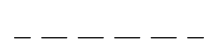
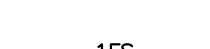
IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS	DETAIL
BUBBLER						
	RAIN BIRD PCT-10 LOW FLOW BUBBLER	36	30	.16/EA		L-26/L5.1
	(1) RAIN BIRD RWS-B-C-1401 ROOT WATERING SYSTEM W/RWS-GRATE & RWS-SOCK AND (1) 1401 BUBBLER, PER TREE	4	20	.25/EA		1 & L-16/L5.1

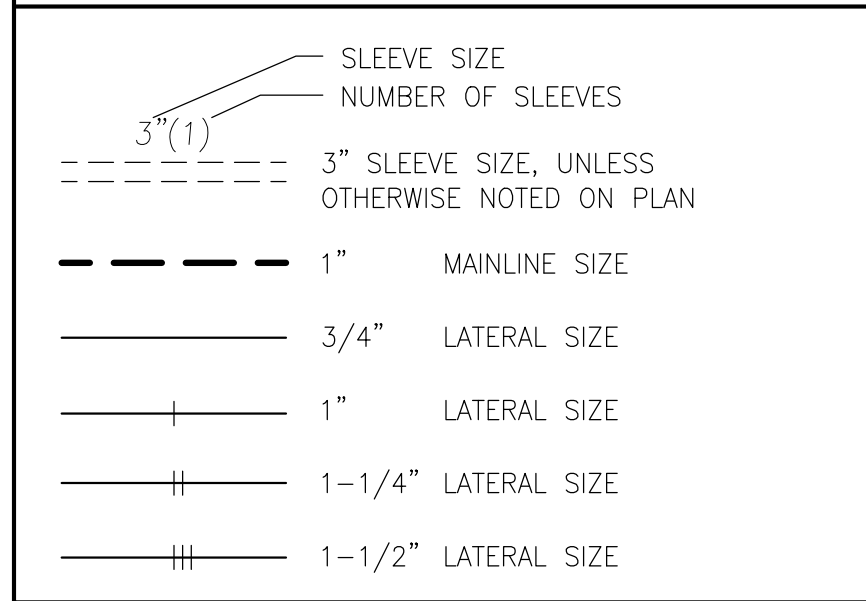
IRRIGATION EQUIPMENT

	RAIN BIRD XCZ-100-PRB-COM 1" PLASTIC INDUSTRIAL REMOTE CONTROL VALVE WITH 40 PSI PRESSURE REGULATING BASKET FILTER. INSTALL IN VALVE BOX PER DETAIL.	2				L-28/L5.1
	RAIN BIRD 5-LRC 1" QUICK COUPLER VALVE. INSTALL IN VALVE BOX PER DETAIL.	2				L-14/L5.0
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE, SAME SIZE AS MAINLINE PIPE DIAMETER. INSTALL IN VALVE BOX PER DETAIL.	2				L-7/L5.0
	FLOW SENSOR 1" CREATIVE SENSOR TECHNOLOGY FSI-B10-001 BRASS FLOW SENSOR. INSTALL IN VALVE BOX PER DETAIL.	2				L-12/L5.0
	BUCKNER-SUPERIOR 3200 3/4" NORMALLY CLOSED MASTER VALVE. INSTALL IN VALVE BOX PER DETAIL.	2				L-12/L5.0
	FEBCO 825Y 3/4" REDUCED PRESSURE BACKFLOW PREVENTER W/ GUARDSHACK GS-3 (OR EQUAL) & WEATHER BLANKET	2				L-8 & L-9/L5.0
	WATER METER 3/4". SEE GRADING PLAN, SHEET C2.0 FOR MORE INFORMATION.	2				-
	CALSENSE CS3-B-S WEN-KIT CALSENSE CS3000 8-STATION CONTROLLER WITH STAINLESS STEEL PEDESTAL ENCLOSURE.	2				L-10 - L-12/L5.0

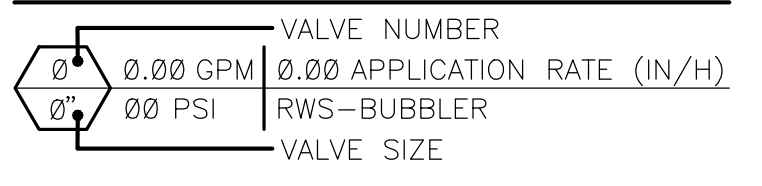
PIPING

	IRRIGATION LATERAL LINE: PVC SCH 40 (SIZE PER PLAN) ALL LATERAL LINE FITTINGS TO BE SCH 40 PVC.	348 LF				L-18/L5.1
	IRRIGATION MAINLINE: PVC SCH 40 ALL MAINLINE FITTINGS SHALL BE SCH 80 PVC.	37 LF				L-18/L5.1
	PIPE SLEEVE: PVC SCHEDULE 40 SIZE PER PLAN	PER PLAN				2/L5.1
	1" PVC SCHEDULE 40 ELECTRICAL CONDUIT FOR FLOW SENSORS, WITH (1) PAIGE ELECTRIC PE89 COMMUNICATION CABLE	51 LF				L-12/L5.0 & L-18/L5.1

PIPING SCHEDULE



VALVE CALLOUT



PLAN REVISIONS

NO.	DATE	REVISION

O'DELL ENGINEERING
a Westwood company
1165 Scenic Drive, Suite A
Modesto, CA 95350
odellengineering.com
westwoodps.com

LANDSCAPE IMPROVEMENT PLANS
CITY OF LATHROP
GATEWAY ARCHES
CIP GG 24-23
 LATHROP, CALIFORNIA

IRRIGATION LEGEND AND NOTES



APPROVED: _____
 DESIGNED: MS
 DRAWN: JS/MS
 CHECKED: JG
 SCALE: NO SCALE
 DATE: 06/27/2024
 JOB NO.: 42820
 FILE NO.: 42820-IR.DWG



BID SUBMITTAL

Know what's below.
Call before you dig.

SHEET NO.
L2.0
OF
23

H:\42820-Lathrop Gateway Arches\Landscapes\ConstPlans\42820-IR.dwg JSGrafton 22:07:27 06/27/2024