

Bill Uphoff, Mayor
Mark A. Waronek, Mayor Pro Tem
James Gazeley Councilmember
Cindy Segawa, Councilmember
Barry Waite, Councilmember



LOMITA CITY HALL
COUNCIL CHAMBERS
24300 Narbonne Avenue
Lomita, CA 90717
Phone: (310) 325-7110
Fax: (310) 325-4024

Next Resolution No. 2024-29
Next Ordinance No. 863

**AGENDA
REGULAR MEETING
LOMITA CITY COUNCIL
TUESDAY, AUGUST 20, 2024
6:00 PM**

THE CITY COUNCIL HAS RESUMED PUBLIC MEETINGS IN THE COUNCIL CHAMBERS. PARTICIPATION BY MEMBERS OF THE PUBLIC IS ONLY GUARANTEED VIA IN-PERSON ATTENDANCE.

AS A COURTESY, THE CITY MAY ALSO CHOOSE TO ALLOW PUBLIC PARTICIPATION DURING THE MEETING VIA A COMPUTER OR SMART DEVICE USING THE FOLLOWING ZOOM LINK:

<https://us02web.zoom.us/j/81193370406>

Telephone Option: (669)900-6833 Meeting ID: 811 933 70406

THE COUNCIL MAY SUSPEND PUBLIC PARTICIPATION VIA ZOOM AT ANY TIME, AND THE MEETING WILL NOT BE CANCELLED NOR SUSPENDED IF TECHNICAL ISSUES PRECLUDE OR IMPACT THE ABILITY TO ACCEPT PUBLIC COMMENT OVER ZOOM. SHOULD YOU WISH TO ENSURE YOU CAN PARTICIPATE IN THIS MEETING, OR COMMENT ON AN ITEM ON THE AGENDA, YOU MUST SHOW UP IN PERSON AT THE MEETING.

Please note that the City cannot, and does not, guarantee that the above Zoom link or dial in feature will work, that any individual commenter's computer or smart device will operate without issue, or that the City's hosting of the Zoom will work without issue. Members of the public acknowledge this and are on notice that public participation is only guaranteed via attendance in Council Chambers and that the Zoom option is provided as a courtesy only. Technological issues or failure of the Zoom link to be operational for any reason will not result in any pause, recess, or cancellation of the meeting.

If you wish to provide public comment during oral communications or for a particular agenda item, you may either contact the City Clerk's Office before the meeting, at 310-325-7110 ext. 141, complete a speaker card and give it to the City Clerk or if participating via Zoom utilize the "raise hand" function to join the queue to speak when the mayor calls the item for discussion. Your name and city of residency is requested, but not required.

No meeting of the Lomita Public Financing Authority will be held on this date.

1. OPENING CEREMONIES

- a. Call Meeting to Order
- b. Flag Salute
- c. Invocation – Councilmember Waite
- d. Roll Call

2. APPROVAL OF AGENDA**3. PRESENTATIONS****4. ORAL COMMUNICATIONS**

Persons wishing to speak on Consent Agenda items or subjects other than those scheduled are requested to do so at this time. In order to conduct a timely meeting, a three (3) minute time limit per person has been established. Government Code Section 54954.2 prohibits the Council from discussing or taking action on a specific item unless it appears on a posted agenda.

5. ORAL COMMUNICATIONS AND MEETING ATTENDANCE REPORTS FROM THE CITY COUNCIL

The City Council may discuss and act upon items described under Council comments; however, items which are not on the agenda will be limited to Council reports, announcements, requests for clarification or factual information, or placement of matters on the agenda for a future meeting.

6. CITY MANAGER'S REPORT (information only)**7. CONSENT AGENDA**

All items under the Consent Agenda are considered by the Council to be routine and will be enacted by one motion in the form listed below. There may be separate discussions of these items prior to the time the Council votes on the motion. Specific items may be removed from the Consent Agenda at the request of any Councilmember or staff.

RECOMMENDED ACTION: That Consent Agenda Items 7a-7h be approved.

- a. Motion to Waive Full Reading of Ordinances and That They be Read in Title Only

RECOMMENDED ACTION: Approve motion.

- b. Warrant & Payroll Register

RECOMMENDED ACTION: Approve and file Warrant & Payroll Register

- c. Monthly Report for the Administrative Services Department

RECOMMENDED ACTION: Receive and file.

- d. Monthly Report for the City Manager’s Department

RECOMMENDED ACTION: Receive and file.

- e. Monthly Report from the Community and Economic Development Department

RECOMMENDED ACTION: Receive and file.

- f. Monthly Report for the Recreation and Facilities Department

RECOMMENDED ACTION: Receive and file.

- g. Monthly Report for the Public Works Department

RECOMMENDED ACTION: Receive and file.

- h. June and July Treasury and Investment Report

RECOMMENDED ACTION: Receive and file.

8. SCHEDULED ITEMS

- a. **AWARD A PUBLIC WORKS AGREEMENT TO MIK CONSTRUCTION, INC. AND AWARD A PROFESSIONAL SERVICES AGREEMENT TO FOUNTAINHEAD CONSULTING FOR THE APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT**

Presented by Lina Hernandez, Interim Public Works Director

RECOMMENDED ACTION: Award a Public Works Contract to MIK Construction, Inc. for the construction of the Appian Way Pump Station Roof Replacement Project for \$625,700, plus a 15% contingency of \$93,855, for a total of \$719,555; award a Professional Services Agreement to Fountainhead Consulting Corporation for construction inspection, construction administration, and testing services for the Appian Way Pump Station Roof Replacement Project in the amount of \$70,544, plus a 15% contingency amount of \$10,582, for a total amount of \$81,126; appropriate an additional \$390,681 for a total project budget of \$800,681 from available fund balance in the Water Fund; and authorize the City Manager to execute the agreements.

9. PUBLIC HEARINGS

None scheduled.

10. ADJOURNMENT

Written materials distributed to the City Council within 72 hours of the City Council meeting are available for public inspection via the City’s website and copies are available for public inspection beginning the next regular business day in the City Clerk’s Office, 24300 Narbonne Avenue, Lomita.

In compliance with the Americans with Disabilities Act (ADA) if you need special assistance to participate in this meeting, please contact the office of the City Clerk at (310) 325-7110. Notification

at least forty-eight (48) hours prior to the meeting will enable the City to make reasonable arrangements.

I hereby certify under penalty of perjury under the laws of the State of California that the foregoing agenda was posted not less than 72 hours prior to the meeting at the following locations: Lomita City Hall, Lomita Park, and uploaded to the City of Lomita website http://www.lomita.com/cityhall/city_agendas/.

Date Posted: August 15, 2024



Kathleen Horn Gregory, MMC, City Clerk

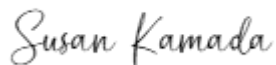
TO: Honorable Mayor and City Council
FROM: Administrative Services Department
DATE: August 20, 2024
SUBJECT: WARRANT REGISTER
PAYROLL REGISTER

August 20, 2024	TOTAL WARRANTS ISSUED:	\$552,266.48
	Wires Transfers:	11160-11168
	Prepay:	533138
	Voided:	533135, 533160
	Check Numbers:	533139-533222

Total Pages of Register: 18

August 9, 2024 TOTAL PAYROLL ISSUED: \$160,638.15

I hereby certify that the demands or claims covered by the checks listed on pages 1 to 16 inclusive of the check register are accurate and funds are available for payment thereof:



Susan Kamada
Administrative Services Director



Lomita, CA

Warrant Register By Vendor Name

Payment Dates 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
Vendor: 6948 - A1 Lawnmower Shop					
533139	08/20/2024	A1 Lawnmower Shop	01180	Hedger Repair	49.00
				Vendor 6948 - A1 Lawnmower Shop	Total: 49.00
Vendor: 7318 - A-A Backflow Testing & Maintenance					
533140	08/20/2024	A-A Backflow Testing & Main...	88055	Backflow Testing	130.00
533140	08/20/2024	A-A Backflow Testing & Main...	88056	Backflow Testing	65.00
533140	08/20/2024	A-A Backflow Testing & Main...	88066	Backflow Testing	845.00
				Vendor 7318 - A-A Backflow Testing & Maintenance	Total: 1,040.00
Vendor: 7353 - ACE Torrance Industrial Hardware					
533141	08/20/2024	ACE Torrance Industrial Hard...	11736	Pocket Hose 75" 3/4"D	44.09
533141	08/20/2024	ACE Torrance Industrial Hard...	11736	Hose Nozle Metal	9.79
533141	08/20/2024	ACE Torrance Industrial Hard...	11761	Duty Striping Pad 2-PK	3.96
533141	08/20/2024	ACE Torrance Industrial Hard...	11761	Ben Ext Flat Base 1	122.99
533141	08/20/2024	ACE Torrance Industrial Hard...	11761	Spray Paint 10 oz	26.42
533141	08/20/2024	ACE Torrance Industrial Hard...	11761	Roller Cover 4" X 1/2" 2-Pk	26.42
533141	08/20/2024	ACE Torrance Industrial Hard...	11761	Painter Tape	21.15
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	12" Carbon Steel Straight Ton...	42.99
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	Screwdriver Set 4-Pc	20.94
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	10" Steel Straight Jaw Locking...	15.42
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	Knot Cup Brush 4" X 5/8	19.83
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	Air Freshener	1.97
533141	08/20/2024	ACE Torrance Industrial Hard...	11771	Duct Tape 20 Yard yellow	7.02
533141	08/20/2024	ACE Torrance Industrial Hard...	11779	Carbide Tipped Drill Bit SDS-Pl...	10.53
533141	08/20/2024	ACE Torrance Industrial Hard...	11779	White Paint Marker	5.50
533141	08/20/2024	ACE Torrance Industrial Hard...	11779	Door Stop Wedge 5" 2-Pk	5.50
				Vendor 7353 - ACE Torrance Industrial Hardware	Total: 384.52
Vendor: 6664 - Alliant Insurance Services					
533142	08/20/2024	Alliant Insurance Services	2775095	Special Event Insurance	395.00
533142	08/20/2024	Alliant Insurance Services	397502770429	Mayor's Golf Tournament Insu...	297.00
				Vendor 6664 - Alliant Insurance Services	Total: 692.00
Vendor: 0545 - Allied Waste Transfer Services (BFI Falcon TS)					
533143	08/20/2024	Allied Waste Transfer Services ..	4404-000022745	Dump Fee	182.66
533143	08/20/2024	Allied Waste Transfer Services ..	4404-000022745	Dump Fee	4,156.57
				Vendor 0545 - Allied Waste Transfer Services (BFI Falcon TS)	Total: 4,339.23
Vendor: 13072 - ALTA Language Services, Inc.					
533144	08/20/2024	ALTA Language Services, Inc.	IS732978	Listening & Speaking Test	165.00
				Vendor 13072 - ALTA Language Services, Inc. Total:	165.00
Vendor: 12155 - Amazon Capital Services					
533145	08/20/2024	Amazon Capital Services	1DLR-3CC3-H3CM	Returning Picture Frames 18 X...	-54.56
533145	08/20/2024	Amazon Capital Services	1GMP-66XV-JYKR	Wire Hooks for Wall Medium ...	22.04
533145	08/20/2024	Amazon Capital Services	1GMP-66XV-JYKR	Hole Puncher	19.79
533145	08/20/2024	Amazon Capital Services	1GMP-66XV-JYKR	Command Variety Pack, Pictur...	19.45
533145	08/20/2024	Amazon Capital Services	1GMP-66XV-JYKR	Drawing Mannequin Figure M...	18.73
533145	08/20/2024	Amazon Capital Services	1GQX-VKQQ-3XDD	22 X 28 Solid Wood Poster Fr...	65.59
533145	08/20/2024	Amazon Capital Services	1LCM-DYDY-7QCR	12ft 3-Pk Nylon Braided HDMl...	28.32
533145	08/20/2024	Amazon Capital Services	1LCM-DYDY-7QCR	15ft Network Ethernet Patch ...	37.20
533145	08/20/2024	Amazon Capital Services	1N9X-D3GM-HW3W	Laminator Machine 13"	-67.90
533145	08/20/2024	Amazon Capital Services	1NH4-7HCJ-7C17	SanDisk 128GB Extreme Pro	24.24
533145	08/20/2024	Amazon Capital Services	1R1K-YK1M-LDTP	16 X 20 Picture Frame	76.71
533145	08/20/2024	Amazon Capital Services	1T67-WRRN-F3DT	Custom Mat for Picture Frame...	32.16
				Vendor 12155 - Amazon Capital Services Total:	221.77

Warrant Register

Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
Vendor: 7408 - American Fidelity					
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	752.26
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	40.68
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	198.88
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	67.80
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	108.00
11165	08/20/2024	American Fidelity	D751240	Employee Life/Accident Insur...	269.20
Vendor 7408 - American Fidelity Total:					1,436.82
Vendor: 4010 - Ameritas Life Insurance					
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	211.64
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	2,349.55
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	195.84
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	56.16
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	40.80
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	57.02
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	54.40
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	163.20
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	114.24
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	103.36
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	108.80
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	97.92
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	318.61
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	81.60
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	9.61
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	10.88
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	21.76
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	16.44
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	68.00
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	57.02
533146	08/20/2024	Ameritas Life Insurance	080124	Employee Dental Insurance-A...	512.67
Vendor 4010 - Ameritas Life Insurance Total:					4,649.52
Vendor: 12257 - Aramsco Inc.					
533147	08/20/2024	Aramsco Inc.	S6555970.002	Returning Toilet Tissue 9" 2-Pl...	-62.77
533147	08/20/2024	Aramsco Inc.	S6573039.001	Toilet Tissue Dispenser	199.95
533147	08/20/2024	Aramsco Inc.	S6573086.001	Vacuum Cleaner Repairs-Labor..	218.00
533147	08/20/2024	Aramsco Inc.	S6573086.001	Vacuum Cleaner Repairs-Suppl..	33.09
533147	08/20/2024	Aramsco Inc.	S6585634.001	Black Liners B60 X H 36 X 58 1...	591.78
533147	08/20/2024	Aramsco Inc.	S6585634.001	Black Liners 33 X 39 1.3 Mil 25...	85.00
533147	08/20/2024	Aramsco Inc.	S6585634.001	White Terry Cloth Towels	91.72
533147	08/20/2024	Aramsco Inc.	S6585634.001	Nitrile Black Gloves	285.33
533147	08/20/2024	Aramsco Inc.	S6589109.001	Piper 12" X 17" 280 per Dispe...	98.74
533147	08/20/2024	Aramsco Inc.	S6589109.001	Spray Bottle 32 oz	4.48
533147	08/20/2024	Aramsco Inc.	S6589109.001	Chemical Resistant Trigger Spr...	4.94
533147	08/20/2024	Aramsco Inc.	S6589109.001	Empire Supreme Free Rinse 1 ...	36.70
533147	08/20/2024	Aramsco Inc.	S6589109.001	Bleach 1 Gal	5.64
533147	08/20/2024	Aramsco Inc.	S6589109.001	Nitrile Black Gloves	142.66
533147	08/20/2024	Aramsco Inc.	S6589109.002	Lysol Disinfectant Spray 19 oz ...	22.84
Vendor 12257 - Aramsco Inc. Total:					1,758.10
Vendor: 13099 - Aryana Russell					
533148	08/20/2024	Aryana Russell	2004589.001	Refund-Tom Rico Deposit- Res...	200.00
Vendor 13099 - Aryana Russell Total:					200.00
Vendor: 6609 - AT&T					
533149	08/20/2024	AT&T	22112109	Fax Services	30.12
Vendor 6609 - AT&T Total:					30.12
Vendor: 6705 - Atlas Marketing Products					
533150	08/20/2024	Atlas Marketing Products	4195	Koozie Collapsible Can Cooler	399.94
533150	08/20/2024	Atlas Marketing Products	4195	Set-Up Charges	60.64
533150	08/20/2024	Atlas Marketing Products	4196	Set-Up Charges	55.13
533150	08/20/2024	Atlas Marketing Products	4196	Polyester Drawstring Backpack	522.25

Warrant Register

Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
533150	08/20/2024	Atlas Marketing Products	4196	Convert Artwork	22.05
				Vendor 6705 - Atlas Marketing Products	Total: 1,060.01
Vendor: 3334 - Autozone, Inc.					
533151	08/20/2024	Autozone, Inc.	2859161363	Quick Charger	26.72
533151	08/20/2024	Autozone, Inc.	2859161363	4ft Lightning Cable Metal	22.99
533151	08/20/2024	Autozone, Inc.	2859175335	Rain-X Quantum 18" Wiper Bl...	56.21
533151	08/20/2024	Autozone, Inc.	2859177430	Microfiber Towels	19.24
533151	08/20/2024	Autozone, Inc.	2859177430	Hot Shine Tire Foam	9.61
533151	08/20/2024	Autozone, Inc.	2859177430	Elite Digital Gauge	18.84
533151	08/20/2024	Autozone, Inc.	2859177430	Little Tree, Car Freshener	8.02
				Vendor 3334 - Autozone, Inc.	Total: 161.63
Vendor: 3168 - California Banner & Sign Co.					
533152	08/20/2024	California Banner & Sign Co.	20718	Custom Sign 36" H X 24" W	142.35
				Vendor 3168 - California Banner & Sign Co.	Total: 142.35
Vendor: 0655 - California Water Service					
533153	08/20/2024	California Water Service	6984422222-073024	PV Dr. No. Rolling Vista Media...	288.56
533153	08/20/2024	California Water Service	8594422222-073024	Landscape Maintenance Distri...	296.55
				Vendor 0655 - California Water Service	Total: 585.11
Vendor: 12501 - Charter Communications Operating, LLC					
533154	08/20/2024	Charter Communications Ope...	127562601080124	Internet Services	466.41
533154	08/20/2024	Charter Communications Ope...	127562601080124	Internet Services	466.41
				Vendor 12501 - Charter Communications Operating, LLC	Total: 932.82
Vendor: 13107 - Chinese Community Church					
533155	08/20/2024	Chinese Community Church	2004597.001	Refund-Picnic Shelter Deposit...	40.00
				Vendor 13107 - Chinese Community Church	Total: 40.00
Vendor: 12822 - City of Lomita - Petty Cash					
533156	08/20/2024	City of Lomita - Petty Cash	080624	Petty Cash July 24	35.00
533156	08/20/2024	City of Lomita - Petty Cash	080624	Petty Cash July 24	34.57
533156	08/20/2024	City of Lomita - Petty Cash	080624	Petty Cash July 24	50.00
533156	08/20/2024	City of Lomita - Petty Cash	080624	Petty Cash July 24	50.00
				Vendor 12822 - City of Lomita - Petty Cash	Total: 169.57
Vendor: 4040 - Colonial Insurance Co.					
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	436.77
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	453.82
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	220.87
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	80.09
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	73.62
11166	08/20/2024	Colonial Insurance Co.	0500560	Employee Life/Accident Insur...	97.04
				Vendor 4040 - Colonial Insurance Co.	Total: 1,362.21
Vendor: 6751 - Conico Roro, Inc.					
533157	08/20/2024	Conico Roro, Inc.	073124	Car Wash	49.00
533157	08/20/2024	Conico Roro, Inc.	073124	Facilities	61.52
533157	08/20/2024	Conico Roro, Inc.	073124	Street	324.28
533157	08/20/2024	Conico Roro, Inc.	073124	Water	673.45
				Vendor 6751 - Conico Roro, Inc.	Total: 1,108.25
Vendor: 0915 - Copy Rite Printing					
533158	08/20/2024	Copy Rite Printing	39824	Planning-Business Cards-A. Fe...	41.56
533158	08/20/2024	Copy Rite Printing	39825	1000 Regular Envelopes	123.46
533158	08/20/2024	Copy Rite Printing	39826	Code Enforcement Violation ...	246.38
				Vendor 0915 - Copy Rite Printing	Total: 411.40
Vendor: 7371 - Corporate Payment Systems					
533159	08/20/2024	Corporate Payment Systems	A. Vialpando 072524	California City Management F...	400.00
533159	08/20/2024	Corporate Payment Systems	A. Vialpando 072524	ICSC Membership	1,250.00
533159	08/20/2024	Corporate Payment Systems	B. Rindge 072524-July	APA Conference Registration-L...	680.00
533159	08/20/2024	Corporate Payment Systems	B. Rindge 072524-June	Planning & Zoning Law	180.16
533159	08/20/2024	Corporate Payment Systems	C. Villa 072524-July	Teen Program Bus Parking	40.00
533159	08/20/2024	Corporate Payment Systems	C. Villa 072524-June	Women's Dry-Fit Golf Polo Shi...	27.51

Warrant Register

Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
533159	08/20/2024	Corporate Payment Systems	C. Villa 072524-June	Women's Golf Polo Shirts	22.14
533159	08/20/2024	Corporate Payment Systems	C. Villa 072524-June	Founder's Day Lunch for Staff	602.62
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-July	Employee BBQ	27.47
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-July	Employee BBQ	1,939.97
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-July	Employee BBQ	81.46
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-July	Employee BBQ	45.00
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	JPIA CPR Class Refreshments	62.19
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	Public Works Appreciation Lu...	245.00
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	JPIA CPR Class Refreshments	59.27
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	JPIA CPR Class Refreshments	39.90
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	JPIA CPR Class Refreshments	36.12
533159	08/20/2024	Corporate Payment Systems	D. Dixon 072524-June	JPIA CPR Class Refreshments	49.39
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-July	Zoom Video	15.99
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-July	Acrobat Pro	767.68
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Phone Services June 24	1,299.27
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Office 365 Subscription June 24	973.80
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Internet June 24	162.48
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Office 365 Subscription June 24	973.81
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Internet June 24	162.47
533159	08/20/2024	Corporate Payment Systems	G. Sugano 072524-June	Phone Services June 24	1,299.26
533159	08/20/2024	Corporate Payment Systems	H. Flores 072524	Saw Repair-Parts for Trees	275.39
533159	08/20/2024	Corporate Payment Systems	J. Vida 072524	Storage Containers for Office	32.93
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Daily Breeze Subscription	18.00
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Lyft Ride	12.79
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Hotel	754.74
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Uber Trip	19.35
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Uber Trip	43.98
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Lyft Ride	29.98
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	26.68
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	26.87
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	17.57
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	3.27
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	15.12
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Uber Trip	43.60
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	15.57
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	25.05
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Food	10.51
533159	08/20/2024	Corporate Payment Systems	K. Gregory 072524	Dropbox	19.99
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	B of D. Meeting Registration-C...	50.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	Board of Director Meeting Reg...	25.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	CCCA Educational Summit Reg...	750.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	Board of Director Meeting Reg...	25.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	Airfare to NLC City Summit-W...	646.96
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	LCC Installation Ceremony Din...	75.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	LCC Installation Ceremony Din...	75.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	LCC Annual Conference Regist...	650.00
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	City Council Meeting Dinner	66.91
533159	08/20/2024	Corporate Payment Systems	L. Abbott 072524	City Council Meeting Dinner S...	40.66
533159	08/20/2024	Corporate Payment Systems	L. Hernandez 072524	Email Newsletter Services	110.00
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Canva Subscription	12.99
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Mass Mobile Apps	99.00
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Food	93.20
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Supplies	29.85
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Supplies	10.78
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Supplies	27.47
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Airballing	541.30
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Food	122.91
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Supplies	10.47
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	Teen Program Topgolf Deposit	870.72
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-July	QR Codes for Special Events	350.00

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Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Slide Water Park Rental for Te...	919.07
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Water for Founder's Day Event	38.30
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Restroom Rental for Founder's..	287.70
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Food for Staff at Founder's Da...	500.02
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Water, Ice & Gatorade for Fo...	43.90
533159	08/20/2024	Corporate Payment Systems	Lomita Park 072524-June	Food Supplies for Founder's D...	734.74
533159	08/20/2024	Corporate Payment Systems	M. Andersen 072524-July	CBWA/WBWA Annual Meeting..	38.59
533159	08/20/2024	Corporate Payment Systems	M. Andersen 072524-July	Cartridge 4-Pk	72.60
533159	08/20/2024	Corporate Payment Systems	M. Andersen 072524-June	Office Supplies	49.49
533159	08/20/2024	Corporate Payment Systems	R. Heaney 072524-July	Teen Program Supplies	60.57
533159	08/20/2024	Corporate Payment Systems	R. Heaney 072524-June	Supplies	76.73
533159	08/20/2024	Corporate Payment Systems	R. Heaney 072524-June	Adult Basketball Trophies	59.79
533159	08/20/2024	Corporate Payment Systems	S. Kamada 072524	Airfare	76.92
533159	08/20/2024	Corporate Payment Systems	S. Kamada 072524	Airfare	76.92
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524 June	Food for Teen Program	100.02
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524 June	Soccer Balls & Volleyballs	524.81
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524 June	Soccer Balls	192.08
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524 June	Portable Scoreboard Kit	650.00
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524-July	Keys for Staff Lockers	13.78
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524-July	Food for Teen Program	327.99
533159	08/20/2024	Corporate Payment Systems	S. Ritchie 072524-July	Batting Tee Stand for Baseball	44.08
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	Property Report	156.84
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	CEO-Module Three Academy-Z...	500.00
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	Uniforms Tailoring	13.45
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	Carwash	7.00
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	Gas	50.00
533159	08/20/2024	Corporate Payment Systems	W. Lawson 072524	Gas	63.84
				Vendor 7371 - Corporate Payment Systems	Total: 23,196.80

Vendor: 12721 - Cory Zedler

533161	08/20/2024	Cory Zedler	071724	Reimbursement for Conferen...	325.62
533161	08/20/2024	Cory Zedler	071724	Reimbursement for Conferen...	325.61
533161	08/20/2024	Cory Zedler	080724	Mileage Reimbursement	128.35
533161	08/20/2024	Cory Zedler	080724	Mileage Reimbursement	128.35
				Vendor 12721 - Cory Zedler Total:	907.93

Vendor: 13110 - Cristina Diaz

533162	08/20/2024	Cristina Diaz	2004600.001	Refund-Picnic Shelter Deposit-...	40.00
				Vendor 13110 - Cristina Diaz Total:	40.00

Vendor: 6757 - Dataprose, Inc.

533163	08/20/2024	Dataprose, Inc.	DP2403485	Water Bills	2,932.03
				Vendor 6757 - Dataprose, Inc.	Total: 2,932.03

Vendor: 12704 - David Evans & Associates, Inc.

533164	08/20/2024	David Evans & Associates, Inc.	567246	Engineering Design-Street Rec...	462.00
				Vendor 12704 - David Evans & Associates, Inc. Total:	462.00

Vendor: 12883 - De Novo Planning Group

533165	08/20/2024	De Novo Planning Group	4309	Lomita General Plan Update J...	142,340.15
				Vendor 12883 - De Novo Planning Group Total:	142,340.15

Vendor: 13097 - DJ Toonz Mobile Entertainment

533166	08/20/2024	DJ Toonz Mobile Entertainme...	991	DJ for Cornhole Event	1,225.00
				Vendor 13097 - DJ Toonz Mobile Entertainment Total:	1,225.00

Vendor: 7438 - Duke Service Center, Inc.

533167	08/20/2024	Duke Service Center, Inc.	073124	Park	948.29
533167	08/20/2024	Duke Service Center, Inc.	073124	Street	406.77
533167	08/20/2024	Duke Service Center, Inc.	073124	Water	747.05
				Vendor 7438 - Duke Service Center, Inc.	Total: 2,102.11

Vendor: 13106 - Dzovinar Ortiz

533168	08/20/2024	Dzovinar Ortiz	2004596.001	Refund-Tom Rico Deposit- Res...	200.00
				Vendor 13106 - Dzovinar Ortiz Total:	200.00

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Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount	
Vendor: 2085 - Employment Development Department						
533169	08/20/2024	Employment Development De...	L0864161616	Benefit Charges April-June 20...	3,356.00	
Vendor 2085 - Employment Development Department					Total:	3,356.00
Vendor: 2095 - Ewing Irrigation Products						
533170	08/20/2024	Ewing Irrigation Products	23028796	30" Manual Valve Key	8.39	
533170	08/20/2024	Ewing Irrigation Products	23028796	48" Steel Soil Probe	28.68	
Vendor 2095 - Ewing Irrigation Products					Total:	37.07
Vendor: 6818 - Granicus, Inc.						
533171	08/20/2024	Granicus, Inc.	186093	Council City Meeting Software...	8,831.78	
533171	08/20/2024	Granicus, Inc.	186093	Council City Meeting Software...	8,831.78	
Vendor 6818 - Granicus, Inc.					Total:	17,663.56
Vendor: 7144 - Hazen and Sawyer, P.C.						
533172	08/20/2024	Hazen and Sawyer, P.C.	20007-011-5	Engineering Design Services-...	14,329.00	
533172	08/20/2024	Hazen and Sawyer, P.C.	20007-011-6	Engineering Design Services-...	122,624.44	
Vendor 7144 - Hazen and Sawyer, P.C.					Total:	136,953.44
Vendor: 3312 - Hillyard Floor Care						
533173	08/20/2024	Hillyard Floor Care	605550961	Super Shine-All cleaner	340.21	
Vendor 3312 - Hillyard Floor Care					Total:	340.21
Vendor: 3052 - Home Depot Credit Services						
533174	08/20/2024	Home Depot Credit Services	2541000	Micro Fibers Cloths	22.01	
533174	08/20/2024	Home Depot Credit Services	2541000	Scotch Heavy Duty Tape 3-Pk	16.41	
533174	08/20/2024	Home Depot Credit Services	3515320	Electrical Outlet Box and Swit...	2.51	
533174	08/20/2024	Home Depot Credit Services	3515320	Electrical Switch and Outlet B...	4.61	
533174	08/20/2024	Home Depot Credit Services	3515320	Switch Box with EZ Mount Cl...	6.59	
533174	08/20/2024	Home Depot Credit Services	3515320	Adjustable Non-Contact Volta...	18.67	
533174	08/20/2024	Home Depot Credit Services	5036092	27 Gallon Tough Tote	54.82	
533174	08/20/2024	Home Depot Credit Services	5036092	Husky 42G Contractor Bags 50...	33.04	
533174	08/20/2024	Home Depot Credit Services	5830205	Marker 4-Pk	3.84	
533174	08/20/2024	Home Depot Credit Services	5830205	Key ID Tags & Organizer	8.79	
533174	08/20/2024	Home Depot Credit Services	5830205	Water Bottle Deposit	7.20	
533174	08/20/2024	Home Depot Credit Services	5830205	Bottle Water	29.88	
533174	08/20/2024	Home Depot Credit Services	5830205	Stanley 6" Adjustable Wrench	15.37	
533174	08/20/2024	Home Depot Credit Services	5830205	Gloves	29.70	
533174	08/20/2024	Home Depot Credit Services	5830205	Latex Coated Gloves 6-Pk	10.88	
533174	08/20/2024	Home Depot Credit Services	5830205	18 Ct Cotton Pocket Rags	21.77	
533174	08/20/2024	Home Depot Credit Services	5830205	Schlagekey	8.75	
533174	08/20/2024	Home Depot Credit Services	7200459	Refrigerant	-10.00	
533174	08/20/2024	Home Depot Credit Services	7200459	A/C Pro House & Gauge	-62.67	
533174	08/20/2024	Home Depot Credit Services	7522907	Water Bottle Deposit	4.80	
533174	08/20/2024	Home Depot Credit Services	7522907	Bottle Water	19.92	
533174	08/20/2024	Home Depot Credit Services	9010274	Marker 12-Pk	10.64	
533174	08/20/2024	Home Depot Credit Services	9010274	48 Magnetic I-Beam Level	45.17	
533174	08/20/2024	Home Depot Credit Services	9010274	7" Heavy Duty Steel Rafter	10.99	
533174	08/20/2024	Home Depot Credit Services	9010274	7" Billet Torpedo Level, Tape ...	36.35	
533174	08/20/2024	Home Depot Credit Services	9010274	24 Magnetic I-Beam Level	36.35	
533174	08/20/2024	Home Depot Credit Services	9010274	1000' Yellow Caution Tape	12.09	
533174	08/20/2024	Home Depot Credit Services	9010274	#10 X 2-12" PG10 Ext Screw 1 ...	11.54	
Vendor 3052 - Home Depot Credit Services					Total:	410.02
Vendor: 13060 - IXOM Watercare Inc.						
533175	08/20/2024	IXOM Watercare Inc.	6833204	Battery	1,434.03	
Vendor 13060 - IXOM Watercare Inc.					Total:	1,434.03
Vendor: 7420 - JFS Care						
533176	08/20/2024	JFS Care	July 24	Services-Lifeline July 24	741.00	
Vendor 7420 - JFS Care					Total:	741.00
Vendor: 3887 - John L. Hunter & Associates						
533177	08/20/2024	John L. Hunter & Associates	LOM1MS412405	Consulting Services May 24	1,422.50	

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Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
533177	08/20/2024	John L. Hunter & Associates	LOM1MS412406	Consulting Services June 24	3,021.47
				Vendor 3887 - John L. Hunter & Associates Total:	4,443.97
Vendor: 12596 - Jorge Calderon					
533178	08/20/2024	Jorge Calderon	08012024	Reimbursement for Work Pan...	250.00
533178	08/20/2024	Jorge Calderon	080124	Wellness Reimbursement	150.00
				Vendor 12596 - Jorge Calderon Total:	400.00
Vendor: 13104 - Joseph Sunder					
533179	08/20/2024	Joseph Sunder	2004594.001	Refund-Museum Rentals - De...	100.00
				Vendor 13104 - Joseph Sunder Total:	100.00
Vendor: 4692 - Kathleen Gregory					
533180	08/20/2024	Kathleen Gregory	072024	Mileage & Airfare Reimburse...	380.56
533180	08/20/2024	Kathleen Gregory	072224	Mileage Reimbursement	13.40
				Vendor 4692 - Kathleen Gregory Total:	393.96
Vendor: 12635 - Kiley & Associates, LLC					
533181	08/20/2024	Kiley & Associates, LLC	LO 240731	Consulting Services, Legislative...	3,333.33
				Vendor 12635 - Kiley & Associates, LLC Total:	3,333.33
Vendor: 13100 - Kylan Schroeder					
533182	08/20/2024	Kylan Schroeder	2004592.001	Refund-Picnic Shelter Deposit-...	40.00
				Vendor 13100 - Kylan Schroeder Total:	40.00
Vendor: 3510 - L.A. County Department of Public Works					
533183	08/20/2024	L.A. County Department of Pu...	IN240000939	Building & Safety Inspections...	-32,734.29
533183	08/20/2024	L.A. County Department of Pu...	IN240000939	Building & Safety Inspections...	57,769.36
				Vendor 3510 - L.A. County Department of Public Works Total:	25,035.07
Vendor: 12792 - LinkedIn Corporation					
533184	08/20/2024	LinkedIn Corporation	10112425750	Job Posting Fee August 2024-J...	2,050.00
				Vendor 12792 - LinkedIn Corporation Total:	2,050.00
Vendor: 3903 - Lomita City Employees Association					
533185	08/20/2024	Lomita City Employees Associa...	August 24	Association Dues-August 24	1,050.00
				Vendor 3903 - Lomita City Employees Association Total:	1,050.00
Vendor: 13102 - Lomita Historical Society					
533186	08/20/2024	Lomita Historical Society	080724	Reimbursement for Donation f...	25.00
				Vendor 13102 - Lomita Historical Society Total:	25.00
Vendor: 3069 - M & N Trophies					
533187	08/20/2024	M & N Trophies	5738	Name Plate	92.24
				Vendor 3069 - M & N Trophies Total:	92.24
Vendor: 13098 - Marcus Ono					
533188	08/20/2024	Marcus Ono	2004588.001	Refund-Museum Rentals - De...	100.00
				Vendor 13098 - Marcus Ono Total:	100.00
Vendor: 6020 - Mark Waronek					
533189	08/20/2024	Mark Waronek	080324	Reimbursement for Mileage &...	493.41
533189	08/20/2024	Mark Waronek	080624	Mileage Reimbursement	5.40
				Vendor 6020 - Mark Waronek Total:	498.81
Vendor: 3085 - Mark's Lock & Safe, Inc.					
533190	08/20/2024	Mark's Lock & Safe, Inc.	0000037406	ASSA High Security Padlock	248.06
533190	08/20/2024	Mark's Lock & Safe, Inc.	0000037406	Labor	26.25
533190	08/20/2024	Mark's Lock & Safe, Inc.	0000037435	Duplicate Double Sided Dome...	8.59
533190	08/20/2024	Mark's Lock & Safe, Inc.	0000037435	Duplicate Key Standard	5.17
				Vendor 3085 - Mark's Lock & Safe, Inc. Total:	288.07
Vendor: 7247 - Michael Baker International, Inc.					
533191	08/20/2024	Michael Baker International, I...	1221121	Consulting Services-CDBG Lifel...	575.00
533191	08/20/2024	Michael Baker International, I...	1221121	Consulting Services-Lomita M...	340.00
				Vendor 7247 - Michael Baker International, Inc. Total:	915.00
Vendor: 6828 - MJ Management Services, LLC					
533192	08/20/2024	MJ Management Services, LLC	CINV-061859	DAR July 24	493.33
				Vendor 6828 - MJ Management Services, LLC Total:	493.33

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Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
Vendor: 12765 - Monique Gonzalez					
533193	08/20/2024	Monique Gonzalez	2003922.001	Refund-Picnic Shelter Deposit...	40.00
Vendor 12765 - Monique Gonzalez Total:					40.00
Vendor: 13101 - Natalie Vyce					
533194	08/20/2024	Natalie Vyce	080724	Refund for #24-752 Residentia...	11.01
533194	08/20/2024	Natalie Vyce	080724	Refund for #24-752 Residentia...	275.20
Vendor 13101 - Natalie Vyce Total:					286.21
Vendor: 7496 - Numa Networks					
533195	08/20/2024	Numa Networks	36631	IT Services August 24	5,205.08
533195	08/20/2024	Numa Networks	36631	IT Services August 24	5,205.07
Vendor 7496 - Numa Networks Total:					10,410.15
Vendor: 4690 - Octavio Becerra					
533196	08/20/2024	Octavio Becerra	071224	Mileage Reimbursement	170.90
Vendor 4690 - Octavio Becerra Total:					170.90
Vendor: 6594 - Office Depot Business Solutions, LLC					
533197	08/20/2024	Office Depot Business Solutio...	372368992001	Toner, Brother, TN227BK	77.77
533197	08/20/2024	Office Depot Business Solutio...	373329394001	Toner, Brother, TN 431 Yellow	-94.25
533197	08/20/2024	Office Depot Business Solutio...	373331439001	Toner, Brother, Magenta, TN ...	-94.25
533197	08/20/2024	Office Depot Business Solutio...	373556786001	Tea Bag	5.99
533197	08/20/2024	Office Depot Business Solutio...	373556786001	Coffee Filters, 12-Cup Size, 250..	12.89
533197	08/20/2024	Office Depot Business Solutio...	373556786001	McCafe Ground Coffee 1.87 lb	36.93
533197	08/20/2024	Office Depot Business Solutio...	378483921001	Tissue , Kleenex 6-Pk	14.18
533197	08/20/2024	Office Depot Business Solutio...	378483921001	Folder, Letter 1/3 Cut 100-Box	15.41
533197	08/20/2024	Office Depot Business Solutio...	378483921001	Copy Paper	155.42
Vendor 6594 - Office Depot Business Solutions, LLC Total:					130.09
Vendor: 12685 - ON Graphics					
533198	08/20/2024	ON Graphics	10158	13 oz Vinyl Banner 30" X 71" 2...	154.35
Vendor 12685 - ON Graphics Total:					154.35
Vendor: 3446 - Pacific Coast Glove & Safety, Inc.					
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081735	Work Boots-C. Centez	199.99
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081736	Work Pants-C. Centez	247.97
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081737	Work Pants-C. Nguyen	127.16
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081737	Work Pants-C. Nguyen	122.84
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081738	Work Boots-C. Nguyen	200.00
533199	08/20/2024	Pacific Coast Glove & Safety, l...	10081741	Work Boots-W. Ibarra	200.00
Vendor 3446 - Pacific Coast Glove & Safety, Inc. Total:					1,097.96
Vendor: 13105 - Peri Nishikawa					
533200	08/20/2024	Peri Nishikawa	2004595.001	Refund-Dog Obedience - Inte...	145.00
Vendor 13105 - Peri Nishikawa Total:					145.00
Vendor: 9052 - Pixel Graphic Design					
533201	08/20/2024	Pixel Graphic Design	1078	Digital Printing 60th Anniversa...	5,337.20
533201	08/20/2024	Pixel Graphic Design	1078	Page Layout & Design 60th An...	860.00
533201	08/20/2024	Pixel Graphic Design	1083	Teen Program Brochures	535.88
533201	08/20/2024	Pixel Graphic Design	1087	Fall Newsletters Printing	5,269.95
533201	08/20/2024	Pixel Graphic Design	1088	Fall Newsletters Design	1,460.00
533201	08/20/2024	Pixel Graphic Design	1089	Page Layout & Design Refriger...	225.00
533201	08/20/2024	Pixel Graphic Design	1089	Digital Printing of Refrigerator...	428.87
533201	08/20/2024	Pixel Graphic Design	1091	Biennial Budget Books	1,137.81
533201	08/20/2024	Pixel Graphic Design	1091	Biennial Budget Books	1,137.81
Vendor 9052 - Pixel Graphic Design Total:					16,392.52
Vendor: 4090 - Public Employee Retirement System					
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	5,311.79
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	2,063.03
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	1,431.33
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	4,348.05
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	118.06
11160	08/10/2024	Public Employee Retirement S... August 24		Employee Health Insurance-A...	4,282.30

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Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	841.13	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	4,051.23	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	2,495.39	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	2,634.95	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	3,293.04	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	3,000.62	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	4,103.53	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	1,180.48	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	283.74	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	171.74	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	189.16	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	428.77	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	3,082.76	
11160	08/10/2024	Public Employee Retirement S...	August 24	Employee Health Insurance-A...	10,279.59	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	13,678.03	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	27.17	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	940.54	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	634.16	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	392.99	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	212.31	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	240.59	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	289.38	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	269.56	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	628.08	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	353.84	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	188.56	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	214.11	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	301.73	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	1,306.62	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	381.75	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	159.49	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	527.41	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	355.31	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	345.78	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	322.60	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	390.05	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	750.09	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	396.50	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	353.63	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	564.08	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	159.37	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	283.32	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	48.39	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	34.37	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	19.29	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	44.06	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	3.02	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	165.98	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	211.39	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	64.52	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	68.74	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	77.17	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	89.86	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	580.98	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	294.30	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	188.56	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	867.35	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	1,195.83	
11167	08/14/2024	Public Employee Retirement S...	PE080224	Retirement Contributions-Pay...	1,498.32	
				Vendor 4090 - Public Employee Retirement System	Total:	83,709.87

Warrant Register

Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
Vendor: 12173 - Race Communications					
533202	08/20/2024	Race Communications	RC1269985	Internet Access SBCOG August...	1,530.00
533202	08/20/2024	Race Communications	RC1269985	Internet Access SBCOG August...	1,530.00
Vendor 12173 - Race Communications Total:					3,060.00
Vendor: 13109 - Racheal Parker					
533203	08/20/2024	Racheal Parker	2004599.001	Refund-Picnic Shelter Deposit...	40.00
Vendor 13109 - Racheal Parker Total:					40.00
Vendor: 7209 - Rincon Consultants Inc.					
533204	08/20/2024	Rincon Consultants Inc.	58785	Lomita Water System Improv...	7,222.00
Vendor 7209 - Rincon Consultants Inc. Total:					7,222.00
Vendor: 13103 - RunSignUp, Inc.					
533205	08/20/2024	RunSignUp, Inc.	163925	Refund for Cancellation of Mo...	1,119.90
Vendor 13103 - RunSignUp, Inc. Total:					1,119.90
Vendor: 3066 - Rusher Air Conditioning					
533206	08/20/2024	Rusher Air Conditioning	2102098	AC-Refrigerant	492.75
533206	08/20/2024	Rusher Air Conditioning	2102098	AC-Refrigerant, Labor	231.00
533206	08/20/2024	Rusher Air Conditioning	212099	Replace Voltage Thermostat ...	231.00
533206	08/20/2024	Rusher Air Conditioning	212099	Thermostat Wire	9.46
Vendor 3066 - Rusher Air Conditioning Total:					964.21
Vendor: 7188 - Sharp Business Systems					
533207	08/20/2024	Sharp Business Systems	9004961591	BP70C55 Copier Usage 7/3/24...	317.91
Vendor 7188 - Sharp Business Systems Total:					317.91
Vendor: 7233 - Siteone Landscape Supply, LLC					
533208	08/20/2024	Siteone Landscape Supply, LLC	142901097-001	Agrifolia Live Oak 24"	350.19
Vendor 7233 - Siteone Landscape Supply, LLC Total:					350.19
Vendor: 5050 - Southern California Edison Co.					
533138	08/14/2024	Southern California Edison Co.	700006214310-080124	Lomita Park	1,981.45
533138	08/14/2024	Southern California Edison Co.	700006214310-080124	Street Lights	32.66
533138	08/14/2024	Southern California Edison Co.	700006214310-080124	Traffic Signals	35.12
533138	08/14/2024	Southern California Edison Co.	700006910888-080724	Railroad Museum	327.09
533138	08/14/2024	Southern California Edison Co.	700007178650-080924	Narbonne Pedestrian Crosswa...	52.39
533138	08/14/2024	Southern California Edison Co.	700008444906-080724	Traffic Signals	662.18
533138	08/14/2024	Southern California Edison Co.	700016714053-080724	Lomita Park	2,457.23
533138	08/14/2024	Southern California Edison Co.	700016714053-080724	Western Pedestrian Crosswalk	15.32
533138	08/14/2024	Southern California Edison Co.	700016714053-080724	Appian Way	905.39
533138	08/14/2024	Southern California Edison Co.	700025877624-080124	Street Lights	575.85
533138	08/14/2024	Southern California Edison Co.	70025957042	Street Lights	256.44
533138	08/14/2024	Southern California Edison Co.	700315793648-080124	Street Lights	182.97
533138	08/14/2024	Southern California Edison Co.	700420008832-080624	Cypress Reservoir	803.92
533138	08/14/2024	Southern California Edison Co.	700492524416-080924	Hathaway Park	34.41
Vendor 5050 - Southern California Edison Co. Total:					8,322.42
Vendor: 5040 - Southern California Gas Co.					
533209	08/20/2024	Southern California Gas Co.	07370472008-073124	Park Facilities	14.79
533209	08/20/2024	Southern California Gas Co.	07380495007-073124	City Hall Facility	199.08
Vendor 5040 - Southern California Gas Co. Total:					213.87
Vendor: 1005 - Southern California News Group					
533210	08/20/2024	Southern California News Gro...	073124	Ads-Adopted Ordinance No. 8...	289.41
533210	08/20/2024	Southern California News Gro...	073124	Ads-Notice of Election	423.73
533210	08/20/2024	Southern California News Gro...	073124	Ads-Bids Notice	807.46
533210	08/20/2024	Southern California News Gro...	073124	Ads-Bids Notice	807.46
Vendor 1005 - Southern California News Group Total:					2,328.06
Vendor: 13050 - TDG Engineering, Inc.					
533211	08/20/2024	TDG Engineering, Inc.	02LAX00250_1	Citywide School Loading Zone ...	10,676.95
Vendor 13050 - TDG Engineering, Inc. Total:					10,676.95

Warrant Register

Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
Vendor: 3956 - Ted's Plumbing Service Inc.					
533212	08/20/2024	Ted's Plumbing Service Inc.	39750	CH-Men's Restroom Stoppage...	635.05
				Vendor 3956 - Ted's Plumbing Service Inc. Total:	635.05
Vendor: 13108 - Teresa Castellon					
533213	08/20/2024	Teresa Castellon	2004598.001	Refund-Picnic Shelter Deposit-...	40.00
				Vendor 13108 - Teresa Castellon Total:	40.00
Vendor: 6085 - Thompson Building Materials					
533214	08/20/2024	Thompson Building Materials	IV-I70608	5 lb Pick Mattock 36 FBG HDL ...	102.77
533214	08/20/2024	Thompson Building Materials	IV-I70608	PS 18 Flat Steel Stakes	59.09
				Vendor 6085 - Thompson Building Materials Total:	161.86
Vendor: 12170 - T-Mobile					
533215	08/20/2024	T-Mobile	072024	City Council	147.00
533215	08/20/2024	T-Mobile	072024	City Manager	75.51
533215	08/20/2024	T-Mobile	072024	Emergency-Hotspot	29.40
533215	08/20/2024	T-Mobile	072024	Parking Enforcement Supervis...	25.90
533215	08/20/2024	T-Mobile	072024	Community Development	137.65
533215	08/20/2024	T-Mobile	072024	Facilities Manager	25.90
533215	08/20/2024	T-Mobile	072024	Recreation	133.00
533215	08/20/2024	T-Mobile	072024	Park	38.85
533215	08/20/2024	T-Mobile	072024	Public Works	84.49
533215	08/20/2024	T-Mobile	072024	Water	250.60
				Vendor 12170 - T-Mobile Total:	948.30
Vendor: 9100 - Tripepi Smith and Associates					
533216	08/20/2024	Tripepi Smith and Associates	12771	BS 1383 Advisory Services	3,750.00
533216	08/20/2024	Tripepi Smith and Associates	12821	Ad Hoc, Video Productions	575.63
533216	08/20/2024	Tripepi Smith and Associates	12821	Ad Hoc, Video Productions	575.62
533216	08/20/2024	Tripepi Smith and Associates	12904	Website Hosting	310.00
533216	08/20/2024	Tripepi Smith and Associates	12904	Website Hosting	310.00
				Vendor 9100 - Tripepi Smith and Associates Total:	5,521.25
Vendor: 3037 - TS3 Fulfillment					
533217	08/20/2024	TS3 Fulfillment	16943	Youth Sport Shirts	544.50
				Vendor 3037 - TS3 Fulfillment Total:	544.50
Vendor: 6878 - Urban Feet Inc.					
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-R. Mendoza	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-A Castillo	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-J. Garcia	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-E. Spindola	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-J. Calderon	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-G. Maldonado	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124	Work Boots-C. Moya	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124A	Work Boots-D. Huerta	200.00
533218	08/20/2024	Urban Feet Inc.	LOM 080124A	Work Boots-M. Stolz	200.00
				Vendor 6878 - Urban Feet Inc. Total:	1,800.00
Vendor: 13111 - Wendy Holguin					
533219	08/20/2024	Wendy Holguin	2004601.001	Refund-Picnic Shelter Deposit-...	40.00
				Vendor 13111 - Wendy Holguin Total:	40.00
Vendor: 12250 - William D. Uphoff					
533220	08/20/2024	William D. Uphoff	080724	Mileage Reimbursement	88.44
				Vendor 12250 - William D. Uphoff Total:	88.44
Vendor: 7282 - Williams Data Management					
533221	08/20/2024	Williams Data Management	0654324	Planning-File Storage July 24	182.10
				Vendor 7282 - Williams Data Management Total:	182.10
Vendor: 6102 - Yunex, LLC					
533222	08/20/2024	Yunex, LLC	90002593	Traffic Signal Maintenance July..	443.03

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Payment Dates: 8/10/2024 - 8/20/2024

Payment Number	Payment Date	Vendor Name	Payable Number	Description (Item)	Amount
533222	08/20/2024	Yunex, LLC	90002594	Street Light Maintenance July ...	169.83
				Vendor 6102 - Yunex, LLC Total:	612.86
				Grand Total:	552,266.48

Report Summary

Fund Summary

Fund	Payment Amount
100 - General Fund	185,741.79
204 - General Plan Update	142,340.15
205 - State Gas Tax	6,927.01
211 - Measure W	136,953.44
215 - Community Development Block Grant	1,656.00
220 - Proposition A Local Return	888.73
245 - Landscape Maintenance District #1	296.55
255 - Park Athletic	2,241.94
311 - Street Improvement	11,946.41
510 - Water Operations	55,245.00
520 - Water Capital	8,029.46
Grand Total:	552,266.48

Account Summary

Account Number	Account Name	Payment Amount
100-000-2285.000	Employee Association D...	1,050.00
100-000-2295.000	Military Banner Program	154.35
100-000-2510.000	PERS	13,678.03
100-000-2515.000	Health Insurance	5,311.79
100-000-2535.000	Accident Insurance	1,189.03
100-000-2540.000	Dental Insurance	2,561.19
100-000-4416.000	Technology Fees	11.01
100-000-4420.000	Planning and Zoning Fees	275.20
100-000-4455.000	Parks and Recreation Fe...	145.00
100-000-4470.000	Building and Safety Fees	-32,734.29
100-000-4510.000	Park Rentals	880.00
100-000-4905.000	Miscellaneous Revenues	25.00
100-000-4927.000	Founder's Day	1,119.90
100-110-5217.000	PERS Tier 3 (2%@62)	27.17
100-110-5415.000	Communications	147.00
100-110-5430.000	Conferences and Meetin...	2,884.21
100-110-5755.000	Special Department Supp..	107.57
100-125-5205.000	Health Insurance	2,712.69
100-125-5215.000	PERS Tier 1 (2.5%@55)	940.54
100-125-5216.000	PERS Tier 2 (2%@60)	634.16
100-125-5217.000	PERS Tier 3 (2%@62)	392.99
100-125-5345.000	Contractual Services	7,768.96
100-125-5415.000	Communications	75.51
100-125-5425.000	Dues and Memberships	1,650.00
100-125-5430.000	Conferences and Meetin...	35.00
100-125-5755.000	Special Department Supp..	609.99
100-130-5205.000	Health Insurance	1,487.49
100-130-5215.000	PERS Tier 1 (2.5%@55)	212.31
100-130-5216.000	PERS Tier 2 (2%@60)	240.59
100-130-5217.000	PERS Tier 3 (2%@62)	289.38
100-130-5410.000	Advertising	731.14
100-130-5420.000	Mileage Reimbursement	13.40
100-130-5430.000	Conferences and Meetin...	1,425.64
100-130-5505.000	Office Supplies and Expe...	306.61
100-130-5755.000	Special Department Supp..	168.04
100-210-5205.000	Health Insurance	4,609.72
100-210-5215.000	PERS Tier 1 (2.5%@55)	269.56
100-210-5216.000	PERS Tier 2 (2%@60)	628.08
100-210-5217.000	PERS Tier 3 (2%@62)	353.84
100-210-5430.000	Conferences and Meetin...	76.92
100-210-5505.000	Office Supplies and Expe...	1,137.81
100-230-5205.000	Health Insurance	175.08

Account Summary

Account Number	Account Name	Payment Amount
100-230-5206.000	Health Insurance Retirees	4,282.30
100-230-5217.000	PERS Tier 3 (2%@62)	188.56
100-230-5220.000	State Unemployment In...	3,356.00
100-230-5340.000	Professional Services	2,050.00
100-230-5430.000	Conferences and Meetin...	76.92
100-230-5755.000	Special Department Supp..	2,935.34
100-333-5755.000	Special Department Supp..	29.40
100-335-5205.000	Health Insurance	895.53
100-335-5217.000	PERS Tier 3 (2%@62)	214.11
100-335-5505.000	Office Supplies and Expe...	25.90
100-335-5710.000	Equipment Maintenance	49.00
100-410-5205.000	Health Insurance	4,214.43
100-410-5216.000	PERS Tier 2 (2%@60)	301.73
100-410-5217.000	PERS Tier 3 (2%@62)	1,306.62
100-410-5345.000	Contractual Services	57,951.46
100-410-5415.000	Communications	137.65
100-410-5430.000	Conferences and Meetin...	836.84
100-410-5435.000	Training and Education	500.00
100-410-5505.000	Office Supplies and Expe...	468.10
100-410-5515.000	Uniform Expense	13.45
100-410-5710.000	Equipment Maintenance	7.00
100-410-5720.000	Fuel	113.84
100-440-5345.000	Contractual Services	19,562.49
100-440-5415.000	Communications	30.12
100-440-5525.000	Equipment Under \$5k	89.76
100-440-5605.000	Rents and Leases	317.91
100-605-5205.000	Health Insurance	2,609.63
100-605-5215.000	PERS Tier 1 (2.5%@55)	381.75
100-605-5216.000	PERS Tier 2 (2%@60)	159.49
100-605-5217.000	PERS Tier 3 (2%@62)	527.41
100-605-5345.000	Contractual Services	4,443.97
100-605-5505.000	Office Supplies and Expe...	32.93
100-610-5205.000	Health Insurance	2,778.99
100-610-5216.000	PERS Tier 2 (2%@60)	355.31
100-610-5217.000	PERS Tier 3 (2%@62)	345.78
100-610-5430.000	Conferences and Meetin...	453.97
100-710-5205.000	Health Insurance	3,401.84
100-710-5215.000	PERS Tier 1 (2.5%@55)	322.60
100-710-5217.000	PERS Tier 3 (2%@62)	390.05
100-710-5405.000	Utilities	199.08
100-710-5415.000	Communications	25.90
100-710-5510.000	Small Tools	10.53
100-710-5705.000	General Maintenance	2,394.67
100-710-5710.000	Equipment Maintenance	251.09
100-710-5720.000	Fuel	61.52
100-730-5205.000	Health Insurance	3,098.54
100-730-5215.000	PERS Tier 1 (2.5%@55)	750.09
100-730-5217.000	PERS Tier 3 (2%@62)	396.50
100-730-5345.000	Contractual Services	1,225.00
100-730-5410.000	Advertising	6,729.95
100-730-5415.000	Communications	133.00
100-730-5505.000	Office Supplies and Expe...	13.78
100-730-5515.000	Uniform Expense	49.65
100-730-5755.000	Special Department Supp..	175.73
100-735-5460.000	Insurance - Liability and ...	395.00
100-735-5754.339	Teen Program	3,690.23
100-735-5755.000	Special Department Supp..	1,552.36
100-735-5755.118	Founder's Day	8,504.48

Account Summary

Account Number	Account Name	Payment Amount
100-735-5755.331	Mayor's Golf Classic	297.00
100-740-5205.000	Health Insurance	4,621.02
100-740-5215.000	PERS Tier 1 (2.5%@55)	353.63
100-740-5216.000	PERS Tier 2 (2%@60)	564.08
100-740-5217.000	PERS Tier 3 (2%@62)	159.37
100-740-5405.000	Utilities	4,487.88
100-740-5415.000	Communications	38.85
100-740-5505.000	Office Supplies and Expe...	10.64
100-740-5510.000	Small Tools	208.21
100-740-5515.000	Uniform Expense	1,000.00
100-740-5705.000	General Maintenance	2,954.12
100-740-5710.000	Equipment Maintenance	98.71
100-740-5720.000	Fuel	948.29
100-750-5405.000	Utilities	327.09
100-750-5505.000	Office Supplies and Expe...	80.01
204-410-5345.000	Contractual Services	142,340.15
205-610-5205.000	Health Insurance	1,329.88
205-610-5217.000	PERS Tier 3 (2%@62)	283.32
205-610-5335.000	Maintenance & License ...	612.86
205-610-5405.000	Utilities	2,101.49
205-610-5415.000	Communications	84.49
205-610-5515.000	Uniform Expense	850.00
205-610-5705.000	General Maintenance	13.76
205-610-5710.000	Equipment Maintenance	111.92
205-610-5720.000	Fuel	731.05
205-620-5705.000	General Maintenance	182.66
205-620-5710.000	Equipment Maintenance	275.39
205-620-5752.000	Tree Planting	350.19
211-810-5808.359	Downtown Lomita Stor...	136,953.44
215-550-5340.000	Professional Services	575.00
215-550-5345.000	Contractual Services	741.00
215-570-5340.000	Professional Services	340.00
220-340-5205.000	Health Insurance	293.35
220-340-5215.000	PERS Tier 1 (2.5%@55)	48.39
220-340-5216.000	PERS Tier 2 (2%@60)	34.37
220-340-5217.000	PERS Tier 3 (2%@62)	19.29
220-340-5345.000	Contractual Services	493.33
245-720-5405.000	Utilities	296.55
255-760-5205.000	Health Insurance	182.62
255-760-5217.000	PERS Tier 3 (2%@62)	44.06
255-760-5506.000	Sport Supplies	2,015.26
311-810-5806.352	School Traffic Circulation	10,676.95
311-810-5806.368	Street Reconstruction - ...	1,269.46
510-110-5217.000	PERS Tier 3 (2%@62)	3.02
510-125-5205.000	Health Insurance	291.01
510-125-5215.000	PERS Tier 1 (2.5%@55)	165.98
510-125-5216.000	PERS Tier 2 (2%@60)	211.39
510-130-5205.000	Health Insurance	445.21
510-130-5215.000	PERS Tier 1 (2.5%@55)	64.52
510-130-5216.000	PERS Tier 2 (2%@60)	68.74
510-130-5217.000	PERS Tier 3 (2%@62)	77.17
510-220-5205.000	Health Insurance	3,332.38
510-220-5215.000	PERS Tier 1 (2.5%@55)	89.86
510-220-5216.000	PERS Tier 2 (2%@60)	580.98
510-220-5217.000	PERS Tier 3 (2%@62)	294.30
510-220-5505.000	Office Supplies and Expe...	4,069.84
510-230-5205.000	Health Insurance	57.02
510-230-5217.000	PERS Tier 3 (2%@62)	188.56

Account Summary

Account Number	Account Name	Payment Amount
510-440-5345.000	Contractual Services	18,778.80
510-630-5205.000	Health Insurance	11,158.50
510-630-5215.000	PERS Tier 1 (2.5%@55)	867.35
510-630-5216.000	PERS Tier 2 (2%@60)	1,195.83
510-630-5217.000	PERS Tier 3 (2%@62)	1,498.32
510-630-5340.000	Professional Services	575.62
510-630-5405.000	Utilities	905.39
510-630-5415.000	Communications	250.60
510-630-5420.000	Mileage Reimbursement	170.90
510-630-5435.000	Training and Education	492.55
510-630-5442.000	Utilities - CWPF	803.92
510-630-5505.000	Office Supplies and Expe...	196.52
510-630-5510.000	Small Tools	15.37
510-630-5515.000	Uniform Expense	1,297.96
510-630-5705.000	General Maintenance	4,242.86
510-630-5709.000	Equipment Maintenance...	1,434.03
510-630-5720.000	Fuel	1,420.50
520-840-5821.239	Appian Way Roof	807.46
520-840-5821.374	Narbonne South Water ...	7,222.00
	Grand Total:	552,266.48

Project Account Summary

Project Account Key	Payment Amount
None	395,337.17
211-810-5808.359	136,953.44
311-Street Reconstruction-Zone G	1,269.46
520-Narbonne South Pipe Replacement	7,222.00
Appian Way Roof	807.46
School Traffic Circulation	10,676.95
	Grand Total:
	552,266.48



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7c**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Susan Kamada, Administrative Services Director

MEETING DATE: August 20, 2024

SUBJECT: Monthly Report for the Administrative Services Department

RECOMMENDATION

Receive and file.

BACKGROUND

Accounting Activities:

- Audit Kick-off meeting with Gruber & Lopez
- Staff prepared the FY 2024-2026 Biennial Budget
- Staff participated in the Lemonade Day Microloans
- Staff participated in the CSMFO “Cash Flow Forecasting” webinar
- Staff participated in the OpenGov “Budget Book Essentials” webinar

Department activity levels for the months of June & July 2024 are provided below:

Journal Entries/Adjustments	24
Payroll Updates/Maintenance Changes	89 / 15 New Hires
Purchase Orders Issued	12
Purchase Orders Paid	35
Invoices Processed for Payment	448
Checks Processed (Demands & Manual)	332
Payroll Checks Processed	373
Business License Issued (New/Renewals)	49/169

Water Utility Bills Mailed/Late Notices Issued	Late Notices Issued 531 Water Utility Bills Mailed 3935
Service Orders Issued (for Water Accounts)	105

OPTIONS

None. Information only. Receive and file.

FISCAL IMPACT

None. Information only. Receive and file.

Reviewed by:

Gary Sugano

Gary Y. Sugano
Assistant City Manager

Approved by:

Andrew Vialpando

Andrew Vialpando
City Manager

Prepared by:

Susan Kamada

Susan Kamada
Administrative Services Director



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7d**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Gary Sugano, Assistant City Manager

MEETING DATE: August 20, 2024

SUBJECT: Monthly Report for the City Manager's Department

RECOMMENDATION

Receive and file.

BACKGROUND

Information Technology

Numa Networks is currently on-site one day per week to provide as-needed IT support. During the month of July, Numa Networks assisted with a total of 147 trouble tickets. City staff and Numa have begun the first phase of our Citywide PC Replacement project (last completed in 2018) that was approved as part of the FY 24-26 budget. Over the next 12 months, desktop PCs for all users will be replaced to allow these new PCs to stay up-to-date with various current and future software upgrades/needs.

Human Resources/Risk Management

The City currently has four (4) recruitments open: Part-time Parking Enforcement Officer in the City Manager's Department, and Part-time Recreation Leader – Museum, Part-time Recreation Leader- Parks, and Part-time Recreation Leader- Receptionist in the Parks and Recreation Department.

Three (3) recruitments recently closed and are currently in the interview process; Maintenance Worker I (full-time) in the Parks and Recreation Department, Maintenance Worker II (full-time) in the Public Works Department, and Public Works Director in the Public Works Department. Koff and Associates, an executive recruiting agency, is managing the recruitment process for the Public Works Director position.

Lina Hernandez, Senior Management Analyst, was appointed to Interim Public Works Director in the Public Works Department, effective June 8, 2024. Adrian Fernandez accepted the position of Interim Community and Economic Development Director in the Community and Economic Development Department. Adrian started his new position on July 29, 2024. Rachel Bucklew was promoted from Administrative Analyst to Water Quality & Environmental Specialist in the Public Works Department. Rachel began her new position on July 1, 2024.

Emergency Management

The City was awarded a Hazard Mitigation Assistance Grant in the amount of \$1,124,884.50 for the 247th Street Area Water Main Replacement Project. A second time extension was approved by CalOES based on the numerous challenges and unforeseen delays with this project. The new Period of Performance is May 14, 2025. Staff has been working closely with CalOES and submitted all requested information to be formally placed on FEMA's queue should additional funding be available. While the scope of the project has remained unchanged, the cost of construction has increased significantly since the estimated total project cost of \$1.49 million in 2019 when the grant application was submitted. The current estimate of \$2.43 million for the total project costs leaves the city with a substantial, unforeseen amount of costs to absorb above and beyond the original commitment of \$375,000 (the 25% grant match). Staff will continue to seek supplemental funding for this project.

The City was awarded a Hazard Mitigation Assistance Grant on June 7, 2023, to update the Local Hazard Mitigation Plan (LHMP) in the amount of \$72,680 for the project costs and \$3,622 for grant management costs. The City Council awarded the project to Risk Management Professionals (RMP) on December 5, 2023, and the fifth meeting with the LHMP Planning Committee took place on August 8. It is anticipated the draft will be ready for public review in September/October. The next quarterly report to CalOES/FEMA is due October 15.

Lomita Manor

The Lomita Manor property management company, HumanGood, continues providing several activities to residents. These activities include Exercise/Chair class, Coloring class, and Seasonal Holiday activities such as the St Patrick's Celebration, Easter Egg Craft, and Fourth of July BBQ. Additional activities that have been added include Bingo, Walking Group, Art Class, Bi-Monthly Celebrations of residents' birthdays with cake, scrapbooking, and community potlucks. Lomita Manor has also been hosting monthly town halls for their residents to pose any questions and discuss house rules for the manor as well.

Community Development Block Grant Programs

On January 16, 2024, the Community Development Advisory Board (CDAB) approved the CDBG roster (budget) for FY 24-25 in the amount of \$182,787 to fund Residential

Rehabilitation, Lifeline and the Job Creation and Business Incentive Loan Programs. Ongoing updates regarding the CDBG programs will be mentioned below.

Residential Rehabilitation: For Fiscal Year 2024-25, a total of two projects are scheduled to be completed.

Lifeline: The Lifeline program provides emergency response service for a total of 19 subscribers currently enrolled. The program is accepting applications from Lomita residents who are at least 55 years old or disabled.

City Clerk’s Office

- Published notice of election in the Daily Breeze as required by election code.
- Sent campaign statement due reminders to sitting Councilmembers and received and filed semi-annual statements as required.
- Coordinated a front office staff to meeting with Administrative Services Director
- Clerk attended NAGARA National Association of Government Archives and Records Administrators conference.
- Processed landscape maintenance district paperwork through DAWeb by required deadline
- Handled (2) bid openings.
- Issued nomination papers to City Councilmember candidates for the November 5, 2024, Election.
- Received and processed candidate nomination paperwork for the election and sent certification list and required documents to the county and the FPPC.
- Continued work on agenda management and meeting video streaming project implementation
- Continued work on the Laserfiche file remapping project

Administrative staff continues to provide customer service and support related to processing water payments, parking tickets, Dial-a-Ride, planning counter appointments and business licenses.

City Clerk activity for the month of July only

Council Meeting Agenda & Minutes Prepared	1/2
Council Resolutions Adopted & Processed	2
Housing Authority Agenda & Minutes Prepared	1/1
Contracts/Agreements Processed	8
Ordinances Adopted & Published	1
Certificates Prepared	3
Public Records Requests Processed	18
Dial-a-Ride New Cards Issued	7
Dial-a-Ride Payments Processed	41
Dial-a-Ride Assistance-Phone/Counter	66
Administrative Parking Appeals Reviewed & Processed	27

Parking Citations Issued & Processed	568
Parking Citations Assistance – Phone/Counter	71
Planning Commission Meeting Agenda & Minutes Prepared	0/0
Planning Commission Resolutions Processed	0
Public Safety & Traffic Commission Agenda & Minutes Prepared	0/0
Technical Traffic Advisory Committee Agenda & Minutes Prepared	0/0
Scanned & Indexed Documents	12
Water Billing Payments and Assistance- Phone/Counter	69

FISCAL IMPACT

There are no financial implications resulting from this recommendation.

OPTIONS

1. None. Information only. Receive and file.

ATTACHMENTS

None.

Prepared by:

Approved by:




Gary Y. Sugano
Assistant City Manager

Andrew Vialpando
City Manager



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7e**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Adrian Fernandez, Interim Community and Economic Development Director

MEETING DATE: August 20, 2024

SUBJECT: Monthly Report from the Community and Economic Development Department

RECOMMENDATION

Receive and file.

BACKGROUND/DISCUSSION

Target Grand Opening

Target's ribbon-cutting was held on July 16 with the grand opening on July 21.



General Plan Update

Staff completed the review of the General Plan Draft Environmental Impact Report (DEIR) and it was made available for public comment in July. The public comment period ends on September 4. On August 26, the City will host a General Plan Update Open House at City Hall and the General Plan Update is expected to be reviewed by the Planning Commission at a Special Meeting on September 23 in preparation for City Council approval on October 1.

The Regular Planning Commission meeting in July was canceled.

Code Enforcement

Staff sent out a letter of intent to revoke a massage registration certificate for a legal non-conforming spa for illegal activity.

FISCAL IMPACT

There are no financial implications resulting from this recommendation.

OPTIONS

- 1. Receive and file the attached report.

ATTACHMENTS

None.

Reviewed by:



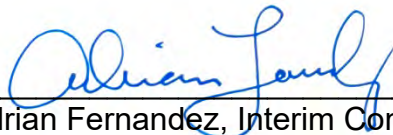
Gary Y. Sugano
Assistant City Manager

Approved by:



Andrew Vialpando
City Manager

Prepared by:



Adrian Fernandez, Interim Community and Economic Development Director



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7f**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Emma Kelley, Parks and Recreation Director

MEETING DATE: August 20, 2024

SUBJECT: Monthly Report for the Recreation and Facilities Department

RECOMMENDATION

Receive and file.

BACKGROUND

RECREATION SERVICES

- Movies under the stars were held in July offering two films shown on the City Hall front lawn.
 - July 13th brought 200 guests to watch the featured film “The Goonies”.
 - July 27th brought 175 guests to watch the featured film “The Mighty Ducks”.
- August brought us the return of concerts in the park on the city hall front lawn featuring music on August 9th from “Upstream”.
- Recreation staff is finalizing the last summer concert in the park which will be held on August 23rd featuring the music from “80s All-Starz”.
- The Lomita Railroad Museum kicked off its summer season featuring the return of their popular speaker series, organized by the Lomita Railroad Foundation.
 - July 26th featured the topic of “The Wonder of Birds” with 20 guests in attendance.
 - August 9th featured the topic of “The First World War and Art Inspired” with 20 guests in attendance.
- Recreation staff is preparing to assist the Lomita Railroad Foundation on their next speaker series on August 23rd featuring the topic of “The Titanic and its influence on Pop Culture” presented by our Recreation staff member Alex Barnett.

- National Night Out and Car Show was held on August 6th in the parking lot of Lomita City Hall. Recreation staff collaborated with our Lomita Sheriff's station to help enhance the relationship between neighbors and law enforcement while bringing back a true sense of community. Live music, food, vendors, and 25 cars were part of this year's event.
- The Lomita Teen Program concluded on August 6th with over 40 participants and lots of core memories that our local teens will cherish and remember for years to come.
- Recreation Staff continues to plan, recruit sponsors, and organize the upcoming Cornhole tournament.
- Recreation staff has begun to plan the upcoming Winter 2024-2025 newsletter.

Facilities Rentals:

- To conclude the month of June we had the following number of rentals:
 - 27 Picnic Shelters rentals
 - 7 Tom Rico Center rentals
 - 4 recurring groups in the Marc Fosnaugh Gymnasium (2 Saturdays & 2 Sundays)
 - 2 recurring baseball teams on the softball field (Monday, Tuesday, and Friday)
- To conclude the month of July 2024 we had the following numbers of rentals:
 - 20 Picnic Shelter rentals
 - 2 Tom Rico Center rentals
 - 17 Marc Fosnaugh Gymnasium rentals

Youth Sports

- Spring Youth Sports:
 - Youth Soccer ended on June 25th with a total of 353 participants registered.
- Summer Youth Sports:
 - Youth Baseball started on July 8th, with 202 registered participants consisting of 16 teams in 4 divisions. This year's baseball season will conclude on August 24th.
 - Recreation staff hosted an open gym program for kids ages 7-12 for the Summer. The programs began on June 24th and ended the week of August 5th.
 - On Mondays, Volleyball was held with 39 participants.
 - On Tuesdays, Soccer was held with 42 participants.
 - On Wednesdays, Basketball was held with 40 participants.

Adult Sports

- Men's Basketball started its summer league on Wednesday nights with 6 teams. Thursday night 40+ league also began with 6 teams.
- Recreation staff continues to work on a partnership with an Adult Soccer referee assignor to run a Men's 9 on 9 and Women's 7 on 7 leagues starting in the Fall. In addition, staff is recruiting and organizing a Co-Ed Kickball league.
- Recreation Staff continues to organize and recruit the return of our Monday night Men's basketball league.

Program Registrations

- Fall registrations for classes and programs began on August 15th online and in-person.
- Fall registrations for Fall Lomita Park Youth Sports (Co-Ed Flag Football & Volleyball) began on August 15th for Lomita Residents and August 22nd for Non-Residents.

Maintenance and Facilities

- Facilities staff had a walk-through with an HVAC contractor who will be working on the replacement of the existing HVAC at Lomita City Hall
- Facilities staff repaired the HVAC thermostat cable in the gymnasium in preparation for the Fall season.
- Facilities staff had the HVAC serviced at the Railroad Museum.
- Facilities staff is meeting with the South Bay Cities Council of Government to evaluate the existing condition of the Railroad Museum HVAC to determine eligibility for a grant to replace/upgrade the existing unit.
- Two security cameras were installed on the exterior building of the Tom Rico Center.
- Facilities staff hired a new part-time facilities maintenance worker in mid-July.
- First-round interviews were conducted for a full-time Facilities Maintenance Worker I position in early August.
- Facilities staff is also recruiting for a second part-time Facilities Maintenance Worker.

FISCAL IMPACT

There are no financial implications resulting from this recommendation.

OPTIONS

None. Information only. Received and file.

ATTACHMENTS

None.

Reviewed by:



Gary Y. Sugano
Assistant City Manager

Approved by:



Andrew Vialpando
City Manager

Prepared by:

Emma Kelley

Emma Kelley
Parks and Recreation Director



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7g**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Lina Hernandez, Interim Public Works Director

MEETING DATE: August 20, 2024

SUBJECT: Monthly Report for the Public Works Department

RECOMMENDATION

Receive and file.

BACKGROUND

Water Division Updates

Cypress Water Production Facility (CWPF) and Distribution System Updates

Staff continues to participate in meetings with West Basin, MWD, and LA Department of Water and Power (DWP) to construct a new emergency connection with LADWP to support a request for a shutdown of a West Basin connection, WB-08A. MWD has postponed the request for shutdown, but staff are still working to finalize project details for the new emergency connection construction.

Water Sources Update		
	<i>June 2024</i>	<i>July 2024</i>
Well No. 5	Offline	Offline
Groundwater Pumped	0.0 acre-feet	0.0 acre-feet
MWD Imported Water	161 acre-feet	179.9 acre-feet

Water News: <https://www.lomitawater.com/news/>

Water Quality Reports: <https://www.lomitawater.com/oversight/water-quality-reports/>

CWPF Tours: <https://www.lomitawater.com/water-tours/>

Water Division Performance Measures		
	<i>June 2024</i>	<i>July 2024</i>
Main Breaks/Leak Repairs	2	2
Service Connection Breaks/Leaks	4	1
Water Outages	2	2
Water Service Requests	99	80
USA Dig-Alert Tickets	121	105
Dead-end Fire Hydrant Flushing	15	15
Meter Maintenance	17	20
Inspection of Water Facilities	Daily	Daily
Water Quality Complaints	0	0

Public Works & Engineering Division Updates

Engineering Division

Capital Improvement Projects updates are available as Exhibit 1 to this report.

Public Works & Engineering Administration Division Updates		
	<i>June 2024</i>	<i>July 2024</i>
Encroachment Permits Reviewed	14	8
Encroachment Permits Issued	10	7
Traffic Investigation Requests Reviewed by Technical Traffic Advisory Committee (TTAC)	2	--
Traffic Investigation Requests Approved for Public Safety and Traffic Commission (PSTC) Review	0	--
Current Grant Applications	2	2

Public Safety & Traffic

The Public Safety & Traffic Commission (PSTC) did not meet in June. PSTC received an update on the 247th Street Area Water Main Replacement project and a recap of the “Follow Me, I’m Gang and Drug Free“ Walk at the July meeting. The Technical Traffic Advisory Committee (TTAC) met in June and reviewed two new traffic items. A request for red curb at 25839 Cypress St was denied, based on guidance from Traffic Engineer Dykstra. A request for a loading zone in front of St. Margaret Mary Church was approved based on prior Council approval from the initial installment. A request for increased enforcement at 24020 Narbonne Ave (Cream Pan) was approved and Torrance PD will be notified of concerns. TTAC did not have a July meeting.

City staff has continued to virtually attend the PV Peninsula Project coordination meetings to share information about the Narbonne South project and learn about any projects impacting Lomita.

External Funding

Staff submitted the annual Road Maintenance and Rehabilitation Account (RMRA) project report and required resolution to the California Transportation Commission (CTC). As a result, the City is eligible now to receive SB 1 Local Streets and Roads funding in FY 24/25 from the State Controller.

Staff continued work in preparing grant applications for the Extreme Heat and Community Resilience Program and Clean Energy Access to support planned CIPs.

Public Works Field Operations Division (Parks/Street/Trees) Updates

Parks Division		
	<i>June 2024</i>	<i>July 2024</i>
Mowed Park Grounds, number of times	29	35
Playground Safety Inspections	16	16
Raised Median/Planter Weeding	63	30
Park Grounds Fertilize	7	7
Museum/City Hall Grounds Maintenance	8	8
Sprinkler Repair/Replacement	67	14
Trimmed Hedges/Trees (City grounds)	57	46

In addition, the Parks Team has been assisting the Facilities Division with building facility maintenance due to facility staffing shortage and scheduling. The Parks Team made many repairs to irrigation, installed new weed barrier, and planted many new low-water use plants to the Downtown shrub beds and medians. Parks assisted with the Founder's Day event. In addition, Park staff installed 4 new benches and cement pads for the benches at Hathaway Park.

Streets and Trees Division		
	<i>June 2024</i>	<i>July 2024</i>
Trees Trimmed (by Crew)	26	28
Trees Trimmed (by Contractor)	0	0
Graffiti Locations Cleaned	44	60
City Drains Cleaned	38	32
Street Signs Replaced or Repaired	10	4
Potholes Filled / Patches	60	35
New work order requests	36	32
Backlog of work orders	138	147
Total Trees Planted	3	2

The Street/Tree Team replaced multiple sidewalk panels at two locations on Glentree Dr. and 240th St. The Street team also assisted the Water Division on a water main break and also assisted the Parks team with Founder's Day preparations. The Street team also assisted with the Founder's Day event and traffic control, and 3 banners over Narbonne Ave.

Public Works Photo Highlights

Narbonne Ave Median Landscape – Before



Narbonne Ave Median Landscape – After



Narbonne Ave Banner Installation



Sidewalk Panel Replacement



New Concrete Benches at Hathaway Park



ATTACHMENTS

1. Capital Improvement Projects Status Updates

Reviewed by:

Approved by:

Gary Y. Sugano
Assistant City Manager

Andrew Vialpando
City Manager

Prepared by:

Lina Hernandez
Interim Public Works Director

Facilities

OVER VIEW					
Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status Update
F-379	Stephenson Center Renovation: This project consists of upgrades to the restroom facilities as well as restoration of the roof at Stephenson Center in Lomita Park.	Design	\$58,200	\$45,800	100% plans are in progress_Funding options are being considered from Prop 68, Prop A and Measure A.
F-376	Tom Rico and Railroad Museum Renovations: This project consists of replacing the roof at the Tom Rico Center building as well as the Railroad Museum Building.	Design	\$56,040	\$42,300	100% plans are in progress_Funding not Available yet for this fiscal year.
F-239	Appian Way Pump Station Roof Replacement: This project consists of removing the existing wooden roof of the Appian Way Pump Station and replacing it with a steel truss frame system.	Construction	\$904,355	\$78,863	Bid opening date was July 30_Project to be awarded on August 20.
F-368	City Hall HVAC Upgrades: This project consists of upgrading the existing double deck heating, ventilation and air conditioning (HVAC) system at City Hall into a more energy-efficient system.	Design	\$0	\$0	Schneider is working on this Design-Build contract. Cost estimate for construction to be provided once design is completed. No costs will be incurred until then.

Stormwater

OVER VIEW					
Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
ST-369	Downtown Lomita Multi-Benefit Stormwater: This project includes stormwater features along Lomita Boulevard and Narbonne Avenue to mitigate flood risk, improve water quality, and reduce the heat island effect in the downtown Lomita area. Additional features include bioretention areas, pervious pavement, landscape, benches and a new bike lane along Lomita Boulevard.	Design	\$939,155	\$186,586	Design is progressing. Currently at 10% stage_Multiple sites are under consideration for the location of the infiltration gallery

Water & Street

<i>OVER VIEW</i>					
Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
WS-374	Narbonne South Water Main Replacement and Street Reconstruction: This project consists of constructing 1,600 feet of PVC water pipeline on Narbonne Avenue from PCH to the southern border of the City of Lomita. The entire width of the road will be rehabilitated as well.	Design	\$199,940	\$151,552	Environmental reviews ongoing as 100% draft design is under review by Staff.

Water

<i>OVER VIEW</i>					
Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
W-365	Cypress Water Facility Upgrades: This project adds 4 Granular Activated Carbon (GAC) tanks to improve Lomita’s water quality by filtering out hazardous contaminants in the water after the facility shut down in 2019 due to the detection of benzene.	Construction	\$4,870,575	\$4,316,785	SCADA Upgrades are currently underway as well as the Upgrade to the PLC software. Council approved an amendment with Hazen & Sawyer for Operational Support.
W-375	Zone G Water Main Replacement: This project consists of constructing 5,000 feet of water lines along Walnut Street, 247th Place and Ebony Lane in Zone G of the City.	Design	\$202,118	\$86,335	Potholing was completed on 7/26. Potholing report to be submitted in September.
W-134	Emergency Generator At Appian Way Station: This project consists of installation of an emergency generator that will be capable of servicing the Appian Way Pump Station as needed.	Construction	\$404,316	\$259,503	Delivery of last two items is pending due to supply chain issues. 9/6/24 is new date.
W-357	247th St Water Main Replacement: This project consists of installing 3,300 linear feet of new water main that will extend from 246th Street beyond the City boundaries, looping within the City of Los Angeles right of way and along Western Avenue.	Construction	\$888,067	\$480,423	The contractor started work in July 2024 and is progressing with submittals. Potholing is almost complete.

Streets

OVERVIEW					
Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
S-368	Zone G Street Reconstruction - Phase 1: This project consists of overlaying and reconstructing certain streets in Zones G, which is the area north of Lomita Boulevard and east of Eshelman Avenue.	Bidding	\$239,955	\$171,742	Bid Opening date has been postponed to Aug 19 due to issuance of Addendum #5.
S-380	Sidewalk Repair Program: This project consist of repairing 27 sidewalks accross the city. In some cases, work will include changes to driveway aprons to conform with Lomita Municipal Code 11-1.66.07 (C).	Bidding	\$148,201	\$0	Bid opening date was July 18_Contract was Awarded on August 6 to Rojas Construction.
S-352	School Traffic Loading Study: This study aims to analyze the existing conditions and provide recommendations to improve safety for students and caregivers walking and bicycling to school is desired.	Study	\$56,040	\$10,677	City's consultant, Toole Design, is progressing with review of existing conditions and data analysis. Site walks to each of the 4 schools will be scheduled late August.
	Lomita Boulevard Repair: This task aims to investigate and repair the 300-ft long westbound segment of Lomita Boulevard past Lucille Ave, exhibiting excessive rutting resulting in a 2-inch-deep settlement.	Design	\$30,000	\$0	Onward Engineering is performing Design Analysis.

Parks

OVER VIEW

Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
M-755	Landscape Maintenance District Upgrades	Design	\$ 19,276	\$ -	Design completed. Construction to be planned once funding is secured.

Sewer

OVER VIEW

Project ID #	Project Description	Phase	Total Contract Approved to Date (with contingency)	Total Amount Spent to Date	Status
SE-100	Sewer System Master Plan (SSMP): This study will identify any sewers that are undersized or need replacement/upsizing.	Study	\$137,544	\$117,963	Additional study underway for Harbor Hills - final report to be filed with City Council after that.



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 7h**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Susan Kamada, Administrative Services Director

MEETING DATE: August 20, 2024

SUBJECT: June and July 2024 Treasury and Investment Report

RECOMMENDATION

Receive and file the Treasury and Investment Report.

BACKGROUND

Pursuant to Section 41004 of the Government Code of the State of California, the City Treasurer is required to submit a monthly report of all receipts, disbursements and fund balances. The first page of the report summarizes the investment activity for the month and distribution by type of investment, held by the City. The second and third page lists all investments with original maturities exceeding one year as of the month ended July 31, 2024. The fourth page of the report provides a summary of the beginning balance, total receipts, total disbursements, ending balance for all funds, and a listing, by fund, of all month end fund balances.

In summary, all investments of the City of Lomita are in compliance with both the Government Code and our Investment Policy. In addition, the City has sufficient liquidity to meet its expenditure requirements for the ensuing six months.

11.36% of the City's funds are with the State of California Local Agency Investment Fund (LAIF). The remaining funds of the City of Lomita are in active checking accounts, money market funds, U.S. Treasuries, Federal Agency Securities, Corporate Bonds, and FDIC-insured Negotiable Certificates of Deposit that are in compliance with the California Government Code and the City's Investment Policy. The current value of each account is obtained from actual monthly statements for the period ending July 31, 2024.

OPTIONS

None, information only.

FISCAL IMPACT

None.

ATTACHMENT

1. Treasury and Investment Report for June 2024
2. Treasury and Investment Report for July 2024

Reviewed by:



Gary Y. Sugano
Assistant City Manager

Approved by:



Andrew Vialpando
City Manager

Prepared by:



Susan Kamada
Administrative Services Director

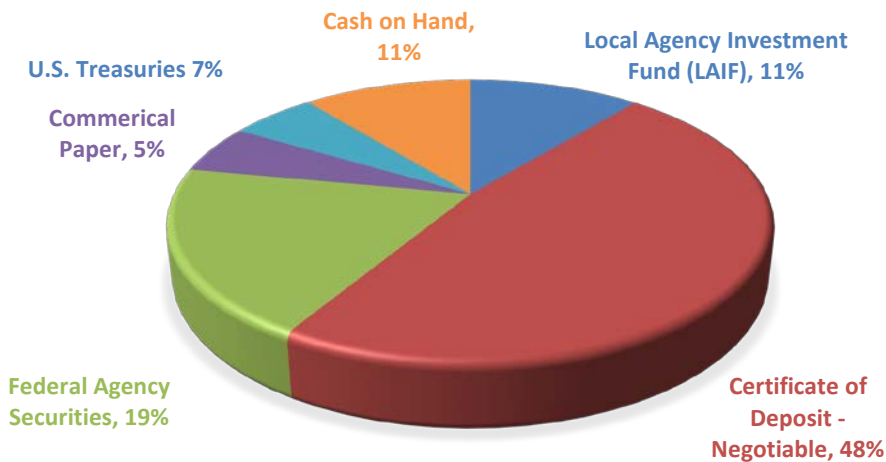


City of Lomita Investment Portfolio Report June 30, 2024

Summary of Cash & Investments	Distribution of Cash &				Gain (Loss) on
	Investments	Book Value	Market Value*	Interest Earned	Investment
Local Agency Investment Fund (LAIF)	11.0060%	3,955,927.58	3,955,927.58	44,136.66	0.00
Certificate of Deposit - Negotiable	47.6500%	17,127,000.00	16,699,821.25	45,547.58	0.00
Federal Agency Securities	19.3360%	6,950,000.00	6,761,568.50	19,250.00	0.00
Commercial Paper	5.5643%	2,000,000.00	1,829,565.00	0.00	0.00
US Treasuries	5.5643%	2,000,000.00	1,967,690.00	12,370.00	0.00
Total Pooled Investments	89.12%	32,032,927.58	31,214,572.33	121,304.24	0.00
City of Lomita General Account DDA	10.88%	3,910,401.72	3,910,401.72	0.00	0.00
Total Cash	10.88%	3,910,401.72	3,910,401.72	0.00	0.00
Total Cash & Investments	100.00%	35,943,329.30	35,124,974.05	121,304.24	0.00

City of Lomita

Distribution of Pooled Cash



Month to Date & Fiscal Year to Date

Interest Earned/ Gain (Loss) on Total Investments

	<u>MTD</u>	<u>YTD</u>
Jul-23	40,936.35	40,936.35
Aug-23	48,202.54	89,138.89
Sep-23	43,477.59	132,616.48
Oct-23	117,861.01	250,477.49
Nov-23	53,385.88	303,863.37
Dec-23	55,687.24	359,550.61
Jan-24	99,141.84	458,692.45
Feb-24	50,438.44	509,130.89
Mar-24	38,287.66	547,418.55
Apr-24	120,941.74	668,360.29
May-24	91,147.06	759,507.35
Jun-24	121,304.24	880,811.59
	880,811.59	880,811.59

*The Governmental Accounting Standards Board (GASB) has established Statement No. 31 for setting investment valuation standards. We report the unrealized gain/(loss) monthly and book realized gain/(loss) at year end as a GASB 31 requirement.

GASB 31 is a reporting requirement that reports the "Fair Value" of investments held in our portfolio. Fair value is the amount at which a financial instrument (investment) could be exchanged in a current transaction between willing parties at current market prices. It is important to understand the relationship between prevailing interest rates and fixed coupon investments. As market interest rates fall, the "Fair Value" of held securities will rise (unrealized Gains). The opposite occurs as market interest rates rise (market prices of held investments will fall). It should be noted that investments held in the city pool are to be held until maturity so both gains and losses (unrealized) will not be taken.



**City of Lomita
Investment Portfolio Report
June 30, 2024**

Account/ Investment Title & Description	Account # / CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Last Month MP	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Local Agency Investment Fund (LAIF)														
City of Lomita	XX-XX-469		N/A	4.480%	3,911,790.92	100.0000	3,911,790.92	44,136.66	-	-	3,955,927.58	3,955,927.58	44,136.66	-
Sub Total / Average				4.480%	3,911,790.92	100.00	3,911,790.92	44,136.66	-	-	3,955,927.58	3,955,927.58	44,136.66	-
Certificate of Deposit - Negotiable														
Third Federal S & L Assn	88413QDA3	08/13/21	08/13/24	0.500%	249,000.00	99.0180	246,554.82	-	-	913.83	247,468.65	249,000.00		
Raymond James Bank NA	75472RBB6	02/14/20	02/14/25	1.750%	248,000.00	97.5150	241,837.20	-	-	753.92	242,591.12	248,000.00		
Liberty Federal Credit Union	53052LAP4	03/24/23	03/24/25	5.350%	248,000.00	100.0070	248,017.36	-	-	186.00	248,203.36	248,000.00	1,126.87	
Lafayette FCU	50625LAY9	03/31/22	03/31/25	2.200%	249,000.00	97.4530	242,657.97	-	-	734.55	243,392.52	249,000.00	465.25	
Direct Federal Credit Union	25460FDZ6	02/01/23	05/01/25	4.700%	248,000.00	99.4360	246,601.28	-	-	317.44	246,918.72	248,000.00	989.96	
JPMorgan Chase Bank NA	48128WCJ2	12/03/21	05/16/25	0.800%	248,000.00	95.7870	237,551.76	-	-	994.48	238,546.24	248,000.00		
Institution for Savings Newburyport MA	45780PBL8	05/20/22	05/20/25	3.100%	247,000.00	97.9060	241,827.82	-	-	605.15	242,432.97	247,000.00	666.69	
Axiom Bank Maitland FL	05464LBR1	11/30/21	06/13/25	0.700%	249,000.00	95.3800	237,496.20	-	-	1,035.84	238,532.04	249,000.00	148.04	
Bank of Princeton	064520BE8	06/26/20	06/26/25	0.600%	210,000.00	95.1280	199,768.80	-	-	886.20	200,655.00	210,000.00	107.01	
California Credit Union	130162BL3	12/28/23	06/30/25	5.100%	244,000.00	99.7930	243,494.92	-	-	339.16	243,834.08	244,000.00	6,239.05	
Flushing Bank	34387AFF1	11/04/22	11/04/25	4.700%	249,000.00	99.3150	247,294.35	-	-	475.59	247,769.94	249,000.00	993.95	
Comerica Bank	200339GC7	05/08/24	11/10/25	5.100%	243,000.00	99.8670	242,676.81	-	-	362.07	243,038.88	243,000.00		
BankUnited NA	066519RX9	12/08/21	12/08/25	1.250%	248,000.00	94.2870	233,831.76	-	-	1,036.64	234,868.40	248,000.00	781.37	
USAlliance FCU	90352RCD5	01/28/22	01/28/26	1.350%	249,000.00	93.9770	234,002.73	-	-	1,155.36	235,158.09	249,000.00	276.29	
Liberty First Credit Union	530520AF2	02/03/23	02/03/26	4.400%	249,000.00	98.9810	246,462.69	-	-	637.44	247,100.13	249,000.00	951.66	
Truiliant	89789AAH0	03/22/23	03/23/26	5.150%	248,000.00	100.0430	248,106.64	-	-	605.12	248,711.76	248,000.00	1,084.75	
Pentagon FCU	70962LBK7	03/28/22	03/30/26	2.050%	249,000.00	94.6620	235,708.38	-	-	1,127.97	236,836.35	249,000.00	433.53	
Kansas State Bank	50116CCV9	03/31/22	03/31/26	2.300%	249,000.00	95.1150	236,836.35	-	-	1,073.19	237,909.54	249,000.00	470.71	
Nelnet Bank	64034KAC5	04/15/21	04/15/26	0.700%	248,000.00	92.2200	228,705.60	-	-	1,346.64	230,052.24	248,000.00		
Community West Bank NA	20415QHQ5	04/23/21	04/23/26	0.700%	248,000.00	92.0900	228,383.20	-	-	1,381.36	229,764.56	248,000.00	147.44	
Bank of America	06051XDH2	05/09/24	05/11/26	5.000%	243,000.00	99.8270	242,579.61	-	-	656.10	242,235.71	243,000.00		
State BK India New York NY	85628VSV7	05/19/21	05/19/26	1.000%	247,000.00	92.4310	228,304.57	-	-	1,346.15	229,650.72	247,000.00		
Flagstar Bank	33847GJJ2	06/27/24	06/26/26	5.000%				243,000.00	-	524.88	243,524.88	243,000.00		
Toyota Financial Savings Bank	89235MLD1	07/22/21	07/22/26	0.950%	248,000.00	91.7960	227,654.08	-	-	1,411.12	229,065.20	248,000.00		
Medallion BK Salt Lake City	58404DLD1	07/30/21	07/30/26	0.800%	248,000.00	91.4200	226,721.60	-	-	1,421.04	228,142.64	248,000.00		
Sallie Mae Bank	795451AK9	08/11/21	08/11/26	1.100%	248,000.00	91.9220	227,966.56	-	-	1,351.60	229,318.16	248,000.00		
Metro Credit Union	59161YAN6	02/18/22	08/18/26	1.600%	249,000.00	92.8490	231,194.01	-	-	1,287.33	232,481.34	249,000.00	338.37	
Texas Exchange Bank	88241TML1	11/26/21	11/27/26	1.200%	249,000.00	91.1890	227,190.61	-	-	1,135.44	228,196.05	249,000.00	253.78	
Beal Bank USA	07371CH69	03/02/22	02/24/27	2.050%	248,000.00	92.6880	229,866.24	-	-	741.52	230,607.76	248,000.00		
Alabama Credit Union	01025RAP4	02/28/24	03/01/27	4.500%	248,000.00	98.9200	245,321.60	-	-	359.60	245,681.20	248,000.00	947.84	
Capital One Bank USA NA	14042TFP7	04/27/22	04/27/27	2.900%	248,000.00	94.6250	234,670.00	-	-	406.72	235,076.72	248,000.00		
Morgan Stanley Bank	61773TDN0	04/29/22	04/29/27	3.000%	246,000.00	94.8860	233,419.56	-	-	381.30	233,800.86	246,000.00		
Discover Bank	254673G83	06/14/22	06/14/27	3.150%	246,000.00	95.1650	234,105.90	-	-	194.34	234,300.24	246,000.00	3,885.11	
The Dart Bank	237412AN1	06/08/22	06/15/27	3.250%	249,000.00	95.4170	237,588.33	-	-	234.06	237,822.39	249,000.00	687.31	
Forbright Bank	34520LAT0	11/02/22	11/02/27	4.600%	249,000.00	99.2550	247,144.95	-	-	318.72	247,463.67	249,000.00	972.81	
Alliant Credit Union	01882MAC6	12/30/22	12/30/27	5.000%	248,000.00	100.5890	249,460.72	-	-	396.80	249,857.52	248,000.00		
First Technology Federal	33715LEL0	02/03/23	02/03/28	5.000%	248,000.00	100.0200	248,049.60	-	-	12.40	248,062.00	248,000.00	1,053.15	
Alaska USA Federal Credit Union	011852AE0	03/08/23	03/08/28	4.600%	249,000.00	99.3060	247,271.94	-	-	717.12	247,989.06	249,000.00	972.81	
United Fidelity Bank	910286HR7	04/12/24	04/12/28	4.400%	243,000.00	98.6200	239,646.60	-	-	845.64	240,492.24	243,000.00	908.09	
First Federal S&L Assn	32023HBV9	06/28/24	06/28/28	5.300%				248,000.00	-	(223.20)	247,776.80	248,000.00		
Freedom Northwest CU	356436AP0	08/25/23	09/19/28	5.650%	248,000.00	101.1260	250,792.48	-	-	245.52	251,038.00	248,000.00	1,190.06	
Southwest FCU	585899AG2	01/19/24	01/19/29	4.000%	249,000.00	97.0330	241,612.17	-	-	1,506.45	243,118.62	249,000.00	845.92	
SCE Federal Credit Union	78413RAS6	05/22/24	05/22/29	4.550%	249,000.00	99.4230	247,563.27	-	-	1,653.36	249,216.63	249,000.00	962.23	
Live Oak Bkg Co	538036HY3	02/12/20	02/12/24	1.700%	245,000.00	99.2770	243,228.65	-	-	693.35	243,922.00	245,000.00	353.74	
Capital One Natl Assn	14042RNE7	08/23/19	08/21/24	2.000%	245,000.00	99.2350	243,125.75	-	-	622.30	243,748.05	245,000.00		
Connexus CU	20825WCK4	08/25/23	08/23/24	5.500%	248,000.00	99.9890	247,972.72	-	-	(2.48)	247,970.24	248,000.00	1,169.00	
Morgan Stanley Private Bk Natl Assn	61760AX53	09/05/19	09/05/24	1.900%	100,000.00	99.0580	99,058.00	-	-	263.00	99,321.00	100,000.00		
Synchrony Bank	87165FF58	11/30/21	11/29/24	0.850%	245,000.00	97.7700	239,536.50	-	-	845.25	240,381.75	245,000.00		
Workers Federal Credit Union	98138MBC3	01/27/23	01/27/25	4.700%	249,000.00	99.5610	247,906.89	-	-	221.61	248,128.50	249,000.00	993.95	
Enerbank USA Salt	29278TMZ0	02/14/20	02/14/25	1.650%	245,000.00	97.4370	238,720.65	-	-	779.10	239,499.75	245,000.00	343.34	
Merrick Bank	59013QEQ9	11/30/21	05/30/25	0.900%	245,000.00	95.7210	234,516.45	-	-	977.55	235,494.00	245,000.00		
Spokane Teachers Credit Union	849061AA4	11/23/22	11/24/25	5.000%	248,000.00	99.7400	247,355.20	-	-	451.36	247,806.56	248,000.00	1,137.55	



**City of Lomita
Investment Portfolio Report
June 30, 2024**

Account/ Investment Title & Description	Account #/ CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Last Month MP	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Eaglemark Savings Bank	27004PBD4	04/07/21	04/07/26	0.700%	245,000.00	92.2990	226,132.55	-	-	1,318.10	227,450.65	245,000.00		
Greenstate Credit Union	39573LBL1	06/16/21	06/16/26	0.900%	249,000.00	91.9560	228,970.44	-	-	1,456.65	230,427.09	249,000.00	190.33	
UBS Bk USA Salt Lake	90348JQ29	07/14/21	07/14/26	0.900%	249,000.00	91.6930	228,315.57	-	-	1,461.63	229,777.20	249,000.00	190.33	
Bank of Frankewing	06221LAE3	11/09/22	11/09/26	4.950%	248,000.00	99.9850	247,962.80	-	(248,000.00)	(247,962.80)	-	-	1,042.62	
Baxter Credit Union	07181JAU8	11/22/22	11/23/26	5.000%	248,000.00	100.0710	248,176.08	-	-	545.60	248,721.68	248,000.00	1,053.15	
Celtic Bank	15118RZT7	11/30/22	11/30/26	4.800%	249,000.00	99.5990	248,001.51	-	-	527.88	248,529.39	249,000.00		
Dept of Commerce Federal CU	24951TAT2	05/13/22	05/13/27	3.250%	249,000.00	95.5060	237,809.94	-	-	326.19	238,136.13	249,000.00	687.31	
BMO Harris Bank NA	05600XFW5	06/15/22	06/15/27	3.300%	249,000.00	95.5580	237,939.42	-	-	226.59	238,166.01	249,000.00	697.88	
Empower FCU	291916AM6	06/26/24	06/28/27	4.900%		-		248,000.00	-	138.88	248,138.88	248,000.00		
Numerica Credit Union	67054NBC6	11/04/22	11/04/27	4.950%	248,000.00	100.3580	248,887.84	-	-	270.32	249,158.16	248,000.00	1,042.62	
University Bk Ann	914098DQ8	04/03/23	04/03/28	4.850%	248,000.00	100.1940	248,481.12	-	-	768.80	249,249.92	248,000.00	1,021.56	
Customers Bank	23204HNZ7	05/31/23	05/31/28	4.450%	244,000.00	101.0190	246,486.36	-	-	814.96	247,301.32	244,000.00		
Calprivate Bank	13135NCB4	12/27/23	12/27/28	3.850%	245,000.00	96.4340	236,263.30	-	-	1,418.55	237,681.85	245,000.00	4,729.17	
Rogue Credit Union	77535MAR4	01/02/24	12/28/28	5.300%	248,000.00	100.0300	248,074.40	-	-	74.40	248,148.80	248,000.00	1,116.34	
Ledyark NBK/Norwich VT	52334AA9	01/02/24	12/29/28	4.050%	245,000.00	100.7890	246,933.05	-	-	1,332.80	248,265.85	245,000.00		
National Bank of Commerce	633368GT6	01/05/24	01/05/29	4.800%	249,000.00	99.9950	248,987.55	-	-	67.23	249,054.78	249,000.00	1,015.10	
Spur Security Bank	85214EAA0	03/26/24	03/12/29	4.200%	244,000.00	97.8400	238,729.60	-	-	1,495.72	240,225.32	244,000.00		
Malaga Bk FSB	56102ABS4	04/19/24	04/19/29	4.150%	245,000.00	97.6510	239,244.95	-	-	1,612.10	240,857.05	245,000.00	863.54	
First Foundation Bank	32026U5S1	05/10/24	05/10/29	4.600%	244,000.00	99.5950	243,011.80	-	-	1,544.52	244,556.32	244,000.00		
Sub Total / Average				3.228%	16,636,000.00		16,155,640.13	739,000.00	(248,000.00)	(194,818.88)	16,699,821.25	17,127,000.00	45,547.58	-
Federal Agency Securities														
Federal Home LN BKS	3130APXC4	12/10/21	12/10/24	1.100%	1,000,000.00	97.8460	978,460.00	-	-	1,530.00	979,990.00	1,000,000.00	5,500.00	
Federal Home LN BKS	3130ALMM3	03/30/21	03/30/26	1.000%	250,000.00	93.0220	232,555.00	-	-	1,167.50	233,722.50	250,000.00	-	-
Federal Home LN BKS	3130AR2B6	03/08/22	03/08/27	2.375%	500,000.00	93.6490	468,245.00	-	-	2,630.00	470,875.00	500,000.00	-	-
Federal Home LN BKS	3130ARDY4	03/29/22	03/29/27	2.500%	500,000.00	93.8800	469,400.00	-	-	2,220.00	471,620.00	500,000.00		
Federal Home LN MTG	3134H1A45	04/11/24	04/08/27	5.500%	250,000.00	99.8420	249,605.00	-	-	(125.00)	249,480.00	250,000.00	-	-
Federal Home LN BKS	3130ARGQ8	04/14/22	04/14/27	2.875%	250,000.00	94.8200	237,050.00	-	-	1,095.00	238,145.00	250,000.00		
Federal Home LN BKS	3130ASD22	06/29/22	06/29/27	3.590%	250,000.00	96.3990	240,997.50	-	-	1,375.00	242,372.50	250,000.00		
Federal Home LN MTG	3134GXL28	08/17/22	08/17/27	4.150%	250,000.00	97.6330	244,082.50	-	-	997.50	245,080.00	250,000.00		
Federal Home LN MTG	3134GXQ23	08/25/22	08/25/27	4.250%	250,000.00	97.5780	243,945.00	-	-	1,847.50	245,792.50	250,000.00		
Federal Home LN MTG	3134GY3F7	11/22/22	11/22/27	5.125%	250,000.00	99.3920	248,480.00	-	-	175.00	248,655.00	250,000.00		
Federal Home LN MTG	3134GYF31	01/30/23	01/27/28	5.100%	250,000.00	99.2820	248,205.00	-	-	192.50	248,397.50	250,000.00		
Federal Farm Credit Bank	3133EPC45	11/16/23	11/13/28	4.625%	500,000.00	100.0300	500,150.00	-	-	3,380.00	503,530.00	500,000.00		
Federal Natl Mtg Assn	3135GASH5	05/08/24	05/08/29	4.800%	450,000.00	99.0830	445,873.50	-	-	2,925.00	448,798.50	450,000.00		
Federal Farm Credit Bank	3133ENC00	11/30/21	10/27/25	1.040%	500,000.00	94.6270	473,135.00	-	-	1,615.00	474,750.00	500,000.00		
Federal Farm Credit Bank	3133EMB76	05/26/21	05/26/26	0.950%	500,000.00	92.4070	462,035.00	-	-	3,050.00	465,085.00	500,000.00		-
Federal Home LN MTG	3134GYTP7	06/15/23	06/15/28	5.500%	500,000.00	100.0420	500,210.00	-	(500,000.00)	(500,210.00)	-	-	13,750.00	-
Federal Home LN MTG	3134H1HY2	10/30/23	10/30/28	6.000%	500,000.00	99.9450	499,725.00	-	-	(455.00)	499,270.00	500,000.00		
Fannie Mae	3135GASQ5	06/17/24	05/16/29	4.625%		-		500,000.00	-	(3,995.00)	496,005.00	500,000.00		
Sub Total / Average				3.617%	6,950,000.00		6,742,153.50	500,000.00	(500,000.00)	(480,585.00)	6,761,568.50	6,950,000.00	19,250.00	-
Commercial Paper														
Goldman Sachs Corp A2	38150AFK6	04/30/21	04/30/26	1.550%	500,000.00	91.4270	457,135.00	-	-	2,625.00	459,760.00	500,000.00		
Bank of America Corp A2	06048WM31	05/28/21	05/28/26	1.250%	1,000,000.00	90.9760	909,760.00	-	-	4,020.00	913,780.00	1,000,000.00		
JPMorgan Chase & Co	48128G4R8	08/17/21	08/17/26	1.150%	500,000.00	88.7640	443,820.00	-	-	12,205.00	456,025.00	500,000.00		
Sub Total / Average				1.317%	2,000,000.00		1,810,715.00	-	-	18,850.00	1,829,565.00	2,000,000.00	-	-
U.S. Treasuries														
US Treasury Note	9128283J7	12/19/23	11/30/24	2.125%	1,000,000.00	99.9120	999,120.00	-	-	(11,960.00)	987,160.00	1,000,000.00		
US Treasury Note	912796ZW2	12/21/23	06/20/24	0.000%	500,000.00	100.0000	500,000.00	-	(500,000.00)	(500,000.00)	-	-	12,370.00	
US Treasury Note	912797LD7	05/21/24	11/14/24	0.000%	1,000,000.00	97.6440	976,440.00	-	-	4,090.00	980,530.00	1,000,000.00		
Sub Total / Average				0.000%	2,500,000.00		2,475,560.00	-	(500,000.00)	(507,870.00)	1,967,690.00	2,000,000.00	12,370.00	-
Total / Average - Investments				2.53%	31,997,790.92		31,095,859.55	1,283,136.66	(1,248,000.00)	(1,164,423.88)	31,214,572.33	32,032,927.58	121,304.24	-



**City of Lomita
Investment Portfolio Report
June 30, 2024**

Account/ Investment Title & Description	Account #/ CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Last Month MP	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Demand Deposit Account (DDA)														
Pacific Western - General Account	XXXX259	N/A	N/A	0.000%	4,010,430.46	100.0000	N/A	N/A	N/A	N/A	4,010,430.46	4,010,430.46	N/A	N/A
(Outstanding Debits & Checks)		N/A	N/A		(100,028.74)	100.0000	N/A	N/A	N/A	N/A	(100,028.74)	(100,028.74)	N/A	N/A
Sub Total / Average				0.000%	3,910,401.72	200.00					3,910,401.72	3,910,401.72	-	-
Total /Cash & Investments					35,908,192.64	300.00	31,095,859.55	1,283,136.66	(1,248,000.00)	(1,164,423.88)	35,124,974.05	35,943,329.30	121,304.24	-



City of Lomita Investment Portfolio Report June 30, 2024

Previous Balance	\$	4,445,502.42
Deposits		1,441,800.04
Disbursements		(1,862,950.83)
Adjustments		(13,921.17)
Current Balance		4,010,430.46

GENERAL LEDGER CASH BALANCES		
General Fund - City Operations		
General Fund - City Operations including LAIF and Investments	100	10,545,421.28
Sub Total - General Fund - City Operations including LAIF and Investments		10,545,421.28
Special Revenue Funds		
OPEB Trust Fund - Retiree Health Care	201	256,548.01
Pension Stabilization Fund	202	1,346,646.01
Economic Development	203	746,506.98
General Plan Update	204	251,633.94
Gas Tax Fund - Street Maintenance	205	1,740,592.49
Measure R Local Fund - Street Projects	207	986,171.06
Measure R Highway Fund - Street Projects	208	(106,536.84)
Measure M Fund - Street Projects	209	1,037,033.78
Economic Stabilization	210	500,000.00
Measure W Fund - Safe Clean Water Program	211	561,933.89
American Rescue Plan	212	1,336,976.00
CDBG Fund - Housing Programs	215	(1,824.26)
Proposition A Fund - Transportation Projects	220	1,023,883.33
Proposition C Fund - Transportation Projects	225	2,830,953.59
Transportation Development Act Article 3- Transportation Projects	230	-
Air Quality Fund - Air Quality Projects	235	65,178.64
Landscape Maintenance Fund - Landscape Maintenance District	245	17,088.91
Park Facilities Fee Fund - Quimby Funds	250	588,546.74
Park Athletic Fund - Park Athlete Programs	255	135,862.16
Park Grant Fund - Park Improvement Programs	257	(6,060.06)
Lomita Manor Fund - Federal Housing Program	260	197,505.04
CA Law Enf. Equip. Program (CLEEP) Fund - Public Safety Equip.	276	6,351.40
Sub Total - Special Revenue Funds		13,514,990.81
Capital Improvement Funds		
Capital Improvement Fund - Capital Improvement Projects	310	167,220.26
Street Improvement Fund - Street Improvement Projects	311	1,962,824.52
Facilities Improvement Fund - Facilities Improvement Projects	312	358,669.23
Stephenson Center Fund - Facilities Improvement Projects	313	85,744.47
Sub Total - Capital Improvement Funds		2,574,458.48



City of Lomita Investment Portfolio Report June 30, 2024

Previous Balance	\$	4,445,502.42
Deposits		1,441,800.04
Disbursements		(1,862,950.83)
Adjustments		(13,921.17)
Current Balance		4,010,430.46

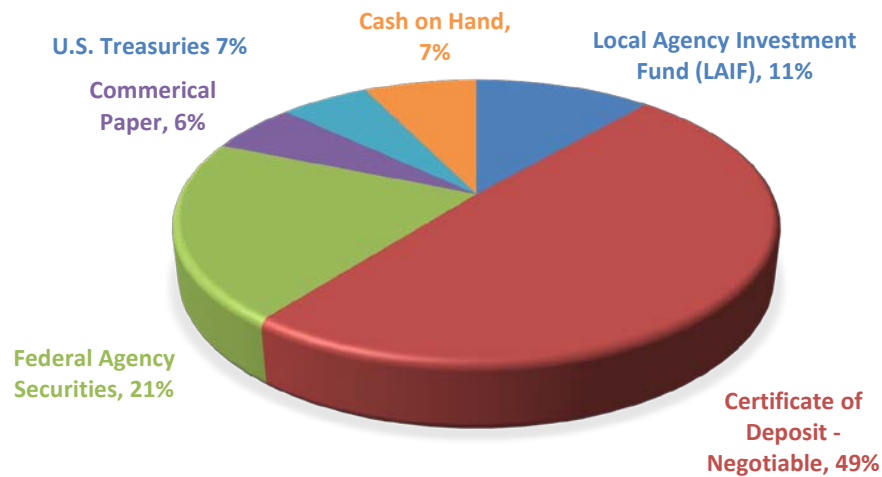
Proprietary Funds		
Water Operations Fund - Water Operations	510	3,965,101.46
Water Capital Fund - Water Capital Projects	520	2,737,492.06
Rate Stabilization - Cypress Reservoir Bond	530	125,000.00
Internal Service Fund - Equipment Replacement	610	1,203,049.44
PK Equipment Replacement Fund	611	759,297.50
Sewer Replacement Fund	612	496,482.50
Sub Total - Proprietary Funds		9,286,422.96
Trust and Agency Funds		
Museum Foundation Fund - Railroad Museum Programs	720	20,809.77
Tom Rico Memorial Fund - Park Program Scholarships	730	1,226.00
Sub Total - Trust & Agency Funds		22,035.77
Total		35,943,329.30
Pooled Cash	999	(31,932,898.84)
Grand Total		4,010,430.46



City of Lomita Investment Portfolio Report July 31, 2024

Summary of Cash & Investments	Distribution of Cash &				Gain (Loss) on
	Invesments	Book Value	Market Value*	Interest Earned	Investment
Local Agency Investment Fund (LAIF)	11.3631%	3,955,927.58	3,955,927.58	0.00	0.00
Certificate of Deposit - Negotiable	49.1961%	17,127,000.00	16,837,345.61	41,016.49	0.00
Federal Agency Securities	20.6815%	7,200,000.00	7,055,011.50	10,862.50	0.00
Commercial Paper	5.7449%	2,000,000.00	1,855,610.00	0.00	0.00
US Treasuries	5.7449%	2,000,000.00	1,974,690.00	0.00	0.00
Total Pooled Investments	92.73%	32,282,927.58	31,678,584.69	51,878.99	0.00
City of Lomita General Account DDA	7.27%	2,530,773.81	2,530,773.81	0.00	0.00
Total Cash	7.27%	2,530,773.81	2,530,773.81	0.00	0.00
Total Cash & Investments	100.00%	34,813,701.39	34,209,358.50	51,878.99	0.00

City of Lomita Distribution of Pooled Cash



Month to Date & Fiscal Year to Date Interest Earned/ Gain (Loss) on Total Investments

	<u>MTD</u>	<u>YTD</u>
Jul-24	51,878.99	51,878.99
Aug-24	-	51,878.99
Sep-24	-	51,878.99
Oct-24	-	51,878.99
Nov-24	-	51,878.99
Dec-24	-	51,878.99
Jan-25	-	51,878.99
Feb-25	-	51,878.99
Mar-25	-	51,878.99
Apr-25	-	51,878.99
May-25	-	51,878.99
Jun-25	-	51,878.99
	51,878.99	51,878.99

*The Governmental Accounting Standards Board (GASB) has established Statement No. 31 for setting investment valuation standards. We report the unrealized gain/(loss) monthly and book realized gain/(loss) at year end as a GASB 31 requirement.

GASB 31 is a reporting requirement that reports the "Fair Value" of investments held in our portfolio. Fair value is the amount at which a financial instrument (investment) could be exchanged in a current transaction between willing parties at current market prices. It is important to understand the relationship between prevailing interest rates and fixed coupon investments. As market interest rates fall, the "Fair Value" of held securities will rise (unrealized Gains). The opposite occurs as market interest rates rise (market prices of held investments will fall). It should be noted that investments held in the city pool are to be held until maturity so both gains and losses (unrealized) will not be taken.



**City of Lomita
Investment Portfolio Report
July 31, 2024**

Account/ Investment Title & Description	Account # CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Local Agency Investment Fund (LAIF)													
City of Lomita	XX-XX-469		N/A	4.516%	3,955,927.58	3,955,927.58		-	-	3,955,927.58	3,955,927.58		-
Sub Total / Average				4.516%	3,955,927.58	3,955,927.58				3,955,927.58	3,955,927.58		
Certificate of Deposit - Negotiable													
Third Federal S & L Assn	88413QDA3	08/13/21	08/13/24	0.500%	249,000.00	247,468.65	-	-	1,113.03	248,581.68	249,000.00		
Raymond James Bank NA	75472RBB6	02/14/20	02/14/25	1.750%	248,000.00	242,591.12	-	-	1,130.88	243,722.00	248,000.00		
Liberty Federal Credit Union	53052LAP4	03/24/23	03/24/25	5.350%	248,000.00	248,203.36	-	-	369.52	248,572.88	248,000.00	1,090.52	
Lafayette FCU	50625LAY9	03/31/22	03/31/25	2.200%	249,000.00	243,392.52	-	-	1,088.13	244,480.65	249,000.00	450.25	
Direct Federal Credit Union	25460FDZ6	02/01/23	05/01/25	4.700%	248,000.00	246,918.72	-	-	602.64	247,521.36	248,000.00	958.03	
JPMorgan Chase Bank NA	48128WCJ2	12/03/21	05/16/25	0.800%	248,000.00	238,546.24	-	-	1,512.80	240,059.04	248,000.00		
Institution for Savings Newburyport MA	45780PBL8	05/20/22	05/20/25	3.100%	247,000.00	242,432.97	-	-	1,012.70	243,445.67	247,000.00	631.81	
Axiom Bank Maitland FL	05464LBR1	11/30/21	06/13/25	0.700%	249,000.00	238,532.04	-	-	1,630.95	240,162.99	249,000.00	143.26	
Bank of Princeton	064520BE8	06/26/20	06/26/25	0.600%	210,000.00	200,655.00	-	-	1,438.50	202,093.50	210,000.00	103.56	
California Credit Union	130162BL3	12/28/23	06/30/25	5.100%	244,000.00	243,834.08	-	-	661.24	244,495.32	244,000.00		
Flushing Bank	34387AFF1	11/04/22	11/04/25	4.700%	249,000.00	247,769.94	-	-	1,147.89	248,917.83	249,000.00	961.89	
Comerica Bank	200339GC7	05/08/24	11/10/25	5.100%	243,000.00	243,038.88	-	-	1,078.92	244,117.80	243,000.00		
BankUnited NA	066519RX9	12/08/21	12/08/25	1.250%	248,000.00	234,868.40	-	-	1,936.88	236,805.28	248,000.00		
USAlliance FCU	90352RCD5	01/28/22	01/28/26	1.350%	249,000.00	235,158.09	-	-	1,984.53	237,142.62	249,000.00	285.50	
Liberty First Credit Union	530520AF2	02/03/23	02/03/26	4.400%	249,000.00	247,100.13	-	-	1,359.54	248,459.67	249,000.00	920.96	
Truliant	89789AAH0	03/22/23	03/23/26	5.150%	248,000.00	248,711.76	-	-	1,316.88	250,028.64	248,000.00	1,049.75	
Pentagon FCU	70962LBK7	03/28/22	03/30/26	2.050%	249,000.00	236,836.35	-	-	1,949.67	238,786.02	249,000.00	419.55	
Kansas State Bank	50116CCV9	03/31/22	03/31/26	2.300%	249,000.00	237,909.54	-	-	1,914.81	239,824.35	249,000.00	486.40	
Nelnet Bank	64034KAC5	04/15/21	04/15/26	0.700%	248,000.00	230,052.24	-	-	2,234.48	232,286.72	248,000.00		
Community West Bank NA	20415QHQ5	04/23/21	04/23/26	0.700%	248,000.00	229,764.56	-	-	2,241.92	232,006.48	248,000.00	142.68	
Bank of America	06051XDH2	05/09/24	05/11/26	5.000%	243,000.00	243,235.71	-	-	1,428.84	244,664.55	243,000.00		
State BK India New York NY	856285VS7	05/19/21	05/19/26	1.000%	247,000.00	229,650.72	-	-	2,218.06	231,868.78	247,000.00		
Flagstar Bank	33847GJJ2	06/27/24	06/26/26	5.000%	243,000.00	243,524.88	-	-	1,499.31	245,024.19	243,000.00		
Toyota Financial Savings Bank	89235MLD1	07/22/21	07/22/26	0.950%	248,000.00	229,065.20	-	-	2,326.24	231,391.44	248,000.00	1,174.77	
Medallion BK Salt Lake City	58404DLD1	07/30/21	07/30/26	0.800%	248,000.00	228,142.64	-	-	2,398.16	230,540.80	248,000.00	989.28	
Sallie Mae Bank	795451AK9	08/11/21	08/11/26	1.100%	248,000.00	229,318.16	-	-	2,487.44	231,805.60	248,000.00		
Metro Credit Union	59161YAN6	02/18/22	08/18/26	1.600%	249,000.00	232,481.34	-	-	2,427.75	234,909.09	249,000.00	327.45	
Texas Exchange Bank	88241TML1	11/26/21	11/27/26	1.200%	249,000.00	228,196.05	-	-	2,838.60	231,034.65	249,000.00	245.59	
Beal Bank USA	07371CH69	03/02/22	02/24/27	2.050%	248,000.00	230,607.76	-	-	2,998.32	233,606.08	248,000.00		
Alabama Credit Union	01025RAP4	02/28/24	03/01/27	4.500%	248,000.00	245,681.20	-	-	2,606.48	248,287.68	248,000.00	917.26	
Capital One Bank USA NA	14042TFP7	04/27/22	04/27/27	2.900%	248,000.00	235,076.72	-	-	3,095.04	238,171.76	248,000.00		
Morgan Stanley Bank	61773TDN0	04/29/22	04/29/27	3.000%	246,000.00	233,800.86	-	-	3,062.70	236,863.56	246,000.00		
Discover Bank	254673G83	06/14/22	06/14/27	3.150%	246,000.00	234,300.24	-	-	3,222.60	237,522.84	246,000.00		
The Dart Bank	237412AN1	06/08/22	06/15/27	3.250%	249,000.00	237,822.39	-	-	3,254.43	241,076.82	249,000.00	665.14	
Forbright Bank	34520LAT0	11/02/22	11/02/27	4.600%	249,000.00	247,463.67	-	-	3,149.85	250,613.52	249,000.00	941.42	
Alliant Credit Union	01882MAC6	12/30/22	12/30/27	5.000%	248,000.00	249,857.52	-	-	3,139.68	252,997.20	248,000.00	2,072.33	
First Technology Federal	33715LEL0	02/03/23	02/03/28	5.000%	248,000.00	248,062.00	-	-	319.92	248,381.92	248,000.00	1,019.18	
Alaska USA Federal Credit Union	011852AE0	03/08/23	03/08/28	4.600%	249,000.00	247,989.06	-	-	3,184.71	251,173.77	249,000.00	941.42	
United Fidelity Bank	910286HR7	04/12/24	04/12/28	4.400%	243,000.00	240,492.24	-	-	3,134.70	243,626.94	243,000.00	878.79	
First Federal S&L Assn	32023HBV9	06/28/24	06/28/28	5.300%	248,000.00	247,776.80	-	-	1,661.60	249,438.40	248,000.00	1,080.33	
Freedom Northwest CU	356436AP0	08/25/23	09/19/28	5.650%	248,000.00	251,038.00	-	-	694.40	251,732.40	248,000.00	1,151.67	
Southwest FCU	585899AG2	01/19/24	01/19/29	4.000%	249,000.00	243,118.62	-	-	3,164.79	246,283.41	249,000.00	818.63	
SCE Federal Credit Union	78413RAS6	05/22/24	05/22/29	4.550%	249,000.00	249,216.63	-	-	2,935.71	252,152.34	249,000.00	931.19	
Live Oak Bkg Co	538036HY3	02/12/20	08/12/24	1.700%	245,000.00	243,922.00	-	-	798.70	244,720.70	245,000.00	342.33	
Capital One Natl Assn	14042RNE7	08/23/19	08/21/24	2.000%	245,000.00	243,748.05	-	-	779.10	244,527.15	245,000.00		
Connexus CU	20825WCK4	08/25/23	08/23/24	5.500%	248,000.00	247,970.24	-	-	52.08	248,022.32	248,000.00	1,131.29	
Morgan Stanley Private Bk Natl Assn	61760AX53	09/05/19	09/05/24	1.900%	100,000.00	99,321.00	-	-	336.00	99,657.00	100,000.00		
Synchrony Bank	87165FF58	11/30/21	11/29/24	0.850%	245,000.00	240,381.75	-	-	1,156.40	241,538.15	245,000.00		
Workers Federal Credit Union	98138MBC3	01/27/23	01/27/25	4.700%	249,000.00	248,128.50	-	-	440.73	248,569.23	249,000.00	961.89	
Enerbank USA Salt	29278TMZ0	02/14/20	02/14/25	1.650%	245,000.00	239,499.75	-	-	1,117.20	240,616.95	245,000.00	332.26	
Merrick Bank	59013KQE9	11/30/21	05/30/25	0.900%	245,000.00	235,494.00	-	-	1,516.55	237,010.55	245,000.00	368.50	



**City of Lomita
Investment Portfolio Report
July 31, 2024**

Account/ Investment Title & Description	Account # CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Spokane Teachers Credit Union	849061AA4	11/23/22	11/24/25	5.000%	248,000.00	247,806.56	-	-	1,120.96	248,927.52	248,000.00	1,019.18	
Eaglemark Savings Bank	27004PBD4	04/07/21	04/07/26	0.700%	245,000.00	227,450.65	-	-	2,195.20	229,645.85	245,000.00		
Greenstate Credit Union	39573LBL1	06/16/21	06/16/26	0.900%	249,000.00	230,427.09	-	-	2,293.29	232,720.38	249,000.00	184.19	
UBS Bk USA Salt Lake	90348JQ29	07/14/21	07/14/26	0.900%	249,000.00	229,777.20	-	-	2,402.85	232,180.05	249,000.00	184.19	
Baxter Credit Union	07181JAU8	11/22/22	11/23/26	5.000%	248,000.00	248,721.68	-	-	2,137.76	250,859.44	248,000.00	1,019.18	
Celtic Bank	15118RZT7	11/30/22	11/30/26	4.800%	249,000.00	248,529.39	-	-	2,243.49	250,772.88	249,000.00	1,997.46	
Dept of Commerce Federal CU	24951TAT2	05/13/22	05/13/27	3.250%	249,000.00	238,136.13	-	-	3,122.46	241,258.59	249,000.00	665.14	
BMO Harris Bank NA	05600XFW5	06/15/22	06/15/27	3.300%	249,000.00	238,166.01	-	-	3,244.47	241,410.48	249,000.00	675.37	
Empower FCU	291916AM6	06/26/24	06/28/27	4.900%	248,000.00	248,138.88	-	-	3,042.96	251,181.84	248,000.00	466.10	
Numerica Credit Union	67054NBC6	11/04/22	11/04/27	4.950%	248,000.00	249,158.16	-	-	3,087.60	252,245.76	248,000.00	1,008.99	
University Bk Ann	914098DQ8	04/03/23	04/03/28	4.850%	248,000.00	249,249.92	-	-	3,139.68	252,389.60	248,000.00	988.60	
Customers Bank	23204HNZ7	05/31/23	05/31/28	4.450%	244,000.00	247,301.32	-	-	3,103.68	250,405.00	244,000.00		
Calprivate Bank	13135NCB4	12/27/23	12/27/28	3.850%	245,000.00	237,681.85	-	-	3,155.60	240,837.45	245,000.00		
Rogue Credit Union	77535MAR4	01/02/24	12/28/28	5.300%	248,000.00	248,148.80	-	-	12.40	248,161.20	248,000.00	1,080.33	
Ledyark NBk/Norwich VT	523343AA9	01/02/24	12/29/28	4.050%	245,000.00	248,265.85	-	-	3,104.15	251,370.00	245,000.00	4,974.84	
National Bank of Commerce	633368GT6	01/05/24	01/05/29	4.800%	249,000.00	249,054.78	-	-	39.84	249,094.62	249,000.00	982.36	
Spur Security Bank	85214EAA0	03/26/24	03/12/29	4.200%	244,000.00	240,225.32	-	-	3,028.04	243,253.36	244,000.00		
Malaga Bk FSB	56102ABS4	04/19/24	04/19/29	4.150%	245,000.00	240,857.05	-	-	2,981.65	243,838.70	245,000.00	835.68	
First Foundation Bank	32026U5S1	05/10/24	05/10/29	4.600%	244,000.00	244,556.32	-	-	2,896.28	247,452.60	244,000.00		
Sub Total / Average				3.204%	17,127,000.00	16,699,821.25	-	-	137,524.36	16,837,345.61	17,127,000.00	41,016.49	-
Federal Agency Securities													
Federal Home LN BKS	3130APXC4	12/10/21	12/10/24	1.100%	1,000,000.00	979,990.00	-	-	5,070.00	985,060.00	1,000,000.00		
Federal Home LN BKS	3130ALMM3	03/30/21	03/30/26	1.000%	250,000.00	233,722.50	-	-	2,100.00	235,822.50	250,000.00		-
Federal Home LN BKS	3130AR2B6	03/08/22	03/08/27	2.375%	500,000.00	470,875.00	-	-	4,855.00	475,730.00	500,000.00		
Federal Home LN BKS	3130ARDY4	03/29/22	03/29/27	2.500%	500,000.00	471,620.00	-	-	4,870.00	476,490.00	500,000.00		
Federal Home LN MTG	3134H1A45	04/11/24	04/08/27	5.500%	250,000.00	249,480.00	-	-	275.00	249,755.00	250,000.00		-
Federal Home LN BKS	3130ARGQ8	04/14/22	04/14/27	2.875%	250,000.00	238,145.00	-	-	2,302.50	240,447.50	250,000.00		
Federal Home LN BKS	3130ASD22	06/29/22	06/29/27	3.590%	250,000.00	242,372.50	-	-	2,255.00	244,627.50	250,000.00	4,487.50	
Federal Home LN MTG	3134GXL28	08/17/22	08/17/27	4.150%	250,000.00	245,080.00	-	-	1,445.00	246,525.00	250,000.00		
Federal Home LN MTG	3134GXQ23	08/25/22	08/25/27	4.250%	250,000.00	245,792.50	-	-	1,335.00	247,127.50	250,000.00		
Federal Home LN MTG	3134GY3F7	11/22/22	11/22/27	5.125%	250,000.00	248,655.00	-	-	747.50	249,402.50	250,000.00		
Federal Home LN MTG	3134GYF31	01/30/23	01/27/28	5.100%	250,000.00	248,397.50	-	-	705.00	249,102.50	250,000.00	6,375.00	
Federal Farm Credit Bank	3133EPC45	11/16/23	11/13/28	4.625%	500,000.00	503,530.00	-	-	6,605.00	510,135.00	500,000.00		
Federal Natl Mtg Assn	3135GASH5	05/08/24	05/08/29	4.800%	450,000.00	448,798.50	-	-	558.00	449,356.50	450,000.00		
Federal Farm Credit Bank	3133ENC0D	11/30/21	10/27/25	1.040%	500,000.00	474,750.00	-	-	2,805.00	477,555.00	500,000.00		
Federal Farm Credit Bank	3133EMB76	05/26/21	05/26/26	0.950%	500,000.00	465,085.00	-	-	4,235.00	469,320.00	500,000.00		-
Federal Farm Credit Bank	3133ERJQ5	07/03/24	07/03/28	5.300%	-	-	250,000.00	-	(15.00)	249,985.00	250,000.00		-
Federal Home LN MTG	3134H1HY2	10/30/23	10/30/28	6.000%	500,000.00	499,270.00	-	-	560.00	499,830.00	500,000.00		
Fannie Mae	3135GASQ5	06/17/24	05/16/29	4.625%	500,000.00	496,005.00	-	-	2,735.00	498,740.00	500,000.00		
Sub Total / Average				3.606%	6,950,000.00	6,761,568.50	250,000.00	-	43,443.00	7,055,011.50	7,200,000.00	10,862.50	-
Commercial Paper													
Goldman Sachs Corp A2	38150AFK6	04/30/21	04/30/26	1.550%	500,000.00	459,760.00	-	-	4,335.00	464,095.00	500,000.00		
Bank of America Corp A2	06048WM31	05/28/21	05/28/26	1.250%	1,000,000.00	913,780.00	-	-	17,020.00	930,800.00	1,000,000.00		
JPMorgan Chase & Co	48128G4R8	08/17/21	08/17/26	1.150%	500,000.00	456,025.00	-	-	4,690.00	460,715.00	500,000.00		
Sub Total / Average				1.317%	2,000,000.00	1,829,565.00	-	-	26,045.00	1,855,610.00	2,000,000.00		-
U.S. Treasuries													
US Treasury Note	9128283J7	12/19/23	11/30/24	2.125%	1,000,000.00	987,160.00	-	-	2,390.00	989,550.00	1,000,000.00		
US Treasury Note	912797LD7	05/21/24	11/14/24	0.000%	1,000,000.00	980,530.00	-	-	4,610.00	985,140.00	1,000,000.00		
Sub Total / Average				1.063%	2,000,000.00	1,967,690.00	-	-	7,000.00	1,974,690.00	2,000,000.00		-
Total / Average - Investments				2.74%	32,032,927.58	31,214,572.33	250,000.00	-	214,012.36	31,678,584.69	32,282,927.58	51,878.99	-



**City of Lomita
Investment Portfolio Report
July 31, 2024**

Account/ Investment Title & Description	Account #/ CUSIP	Settlement Date	Maturity Date	Yield to Maturity	Beginning Face Amount/Shares	Beginning Market Value	Buy Principal	Sell Principal	Change in Market Value	Ending Market Value	Ending Face Amount/Shares	Interest Earned / (Accrued)	Realized Gain / (Loss) On Investment
Demand Deposit Account (DDA)													
Pacific Western - General Account	XXXX259	N/A	N/A	0.000%	2,591,167.22	N/A	N/A	N/A	N/A	2,591,167.22	2,591,167.22	N/A	N/A
(Outstanding Debits & Checks)		N/A	N/A		(60,393.41)	N/A	N/A	N/A	N/A	(60,393.41)	(60,393.41)	N/A	N/A
Sub Total / Average				0.000%	2,530,773.81					2,530,773.81	2,530,773.81	-	-
Total /Cash & Investments					34,563,701.39	31,214,572.33	250,000.00	-	214,012.36	34,209,358.50	34,813,701.39	51,878.99	-



City of Lomita Investment Portfolio Report July 31, 2024

Previous Balance		\$ 4,010,430.46
Deposits		1,948,986.37
Disbursements		(3,378,369.44)
Adjustments		10,119.83
Current Balance		2,591,167.22

GENERAL LEDGER CASH BALANCES		
General Fund - City Operations		
General Fund - City Operations including LAIF and Investments	100	9,490,256.48
Sub Total - General Fund - City Operations including LAIF and Investments		9,490,256.48
Special Revenue Funds		
OPEB Trust Fund - Retiree Health Care	201	256,548.01
Pension Stabilization Fund	202	1,346,646.01
Economic Development	203	746,506.98
General Plan Update	204	251,633.94
Gas Tax Fund - Street Maintenance	205	1,791,213.46
Measure R Local Fund - Street Projects	207	1,045,438.52
Measure R Highway Fund - Street Projects	208	(106,536.84)
Measure M Fund - Street Projects	209	1,104,184.62
Economic Stabilization	210	500,000.00
Measure W Fund - Safe Clean Water Program	211	711,233.89
American Rescue Plan	212	1,336,976.00
CDBG Fund - Housing Programs	215	(2,565.26)
Proposition A Fund - Transportation Projects	220	1,071,612.60
Proposition C Fund - Transportation Projects	225	2,909,875.06
Transportation Development Act Article 3- Transportation Projects	230	-
Air Quality Fund - Air Quality Projects	235	65,178.64
Landscape Maintenance Fund - Landscape Maintenance District	245	16,128.09
Park Facilities Fee Fund - Quimby Funds	250	589,146.74
Park Athletic Fund - Park Athlete Programs	255	129,540.93
Park Grant Fund - Park Improvement Programs	257	(6,060.06)
Lomita Manor Fund - Federal Housing Program	260	197,505.04
CA Law Enf. Equip. Program (CLEEP) Fund - Public Safety Equip.	276	6,351.40
Sub Total - Special Revenue Funds		13,960,557.77
Capital Improvement Funds		
Capital Improvement Fund - Capital Improvement Projects	310	167,220.26
Street Improvement Fund - Street Improvement Projects	311	1,957,079.99
Facilities Improvement Fund - Facilities Improvement Projects	312	358,669.23
Stephenson Center Fund - Facilities Improvement Projects	313	85,744.47
Sub Total - Capital Improvement Funds		2,568,713.95



City of Lomita Investment Portfolio Report July 31, 2024

Previous Balance		\$ 4,010,430.46
Deposits		1,948,986.37
Disbursements		(3,378,369.44)
Adjustments		10,119.83
Current Balance		2,591,167.22

Proprietary Funds		
Water Operations Fund - Water Operations	510	3,538,396.63
Water Capital Fund - Water Capital Projects	520	2,640,920.16
Rate Stabilization - Cypress Reservoir Bond	530	125,000.00
Internal Service Fund - Equipment Replacement	610	1,219,811.44
PK Equipment Replacement Fund	611	759,297.50
Sewer Replacement Fund	612	488,107.50
Sub Total - Proprietary Funds		8,771,533.23
Trust and Agency Funds		
Museum Foundation Fund - Railroad Museum Programs	720	21,413.96
Tom Rico Memorial Fund - Park Program Scholarships	730	1,226.00
Sub Total - Trust & Agency Funds		22,639.96
Total		34,813,701.39
Pooled Cash	999	(32,222,534.17)
Grand Total		2,591,167.22



CITY OF LOMITA CITY COUNCIL REPORT

TO: City Council **Item No. 8a**

FROM: Andrew Vialpando, City Manager

PREPARED BY: Lina Hernandez, Interim Public Works Director

MEETING DATE: August 20, 2024

SUBJECT: Award a Public Works Agreement to MIK Construction, Inc. and Award a Professional Services Agreement to Fountainhead Consulting for the Appian Way Pump Station Roof Replacement Project

RECOMMENDATION

Award a Public Works Contract to MIK Construction, Inc. for the construction of the Appian Way Pump Station Roof Replacement Project for \$625,700, plus a 15% contingency of \$93,855, for a total of \$719,555; award a Professional Services Agreement to Fountainhead Consulting Corporation for construction inspection, construction administration, and testing services for the Appian Way Pump Station Roof Replacement Project in the amount of \$70,544, plus a 15% contingency amount of \$10,582, for a total amount of \$81,126; appropriate an additional \$390,681 for a total project budget of \$800,681 from available fund balance in the Water Fund; and authorize the City Manager to execute the agreements.

BACKGROUND

The Appian Way Pump Station, located at 26255 Appian Way, is more than 30 years old and has an original wooden roof with one exhaust fan and four skylights. The condition of this wooden roof has deteriorated with extensive termite damage and infestation.

This pump station is a critical water facility that must remain functional and accessible at all times since it controls the pressure and water supply for a pressure zone within the city. Tenting the building was not an option due to concerns with access and safety of drinking water pumps located inside. As a result, the project involves removing the existing wooden frame in its entirety and replacing it with a metal truss roof system along

with other associated improvements such as new skylights and other ceiling-mounted fixtures.

The City Council approved this project as part of the Capital Improvement Master Plan Project List in June 2022. Staff initially appropriated \$50,000 toward the project, likely at the time to pay only for the design portion of the project. The design engineer's estimate from early 2024 for construction was \$410,000 based on the extent of the damage and work needed to adequately repair. The project was advertised to solicit bids on June 24, 2024, and the bid opening took place on July 30, 2024. The lowest bid was \$625,700 reflecting inflation and market value of goods and services.

DISCUSSION

Two bids were received and opened by the City Clerk pursuant to the California Code, Public Contract Code. Staff reviewed the contractors' proposals by evaluating their experience, credentials, and bid amount. Staff tabulated the bid results as summarized below:

CONTRACTOR	BID TOTAL
MIK Construction, Inc	\$625,700.00
Rainy Day Roofing, Inc	\$713,800.00

MIK Construction, Inc was determined to be the lowest responsible bidder, with a bid amount of \$625,700. Staff determined that all required documents were submitted and complete, and recommends awarding a contract to MIK Construction Inc. in the amount of \$625,700. Staff also recommends authorizing an additional 15% contingency for unexpected costs, for a total contract budget of \$719,555.00.

The project will include occasional intermittent power shutdowns that will be coordinated with the City ahead of time. Pressure impacts to the water supply will be minimal and localized. Additionally, this work will not have any impact on the operations of the Cypress Water Production Facility. Residents in the vicinity of the area will be notified of the upcoming work as well. It is anticipated this project will begin in October and last six to eight months. The anticipated lifespan of the new roof is 50 years.

Additionally, staff recommends using the services of Fountainhead Consulting Corporation, Inc. for inspection, testing and labor compliance services. On September 5, 2023, the City Council approved the establishment of a list of three firms to provide on-call construction management, construction inspection, construction administration, and material testing services. This list includes Fountainhead Consulting Corporation. Fountainhead Consulting Corporation, Inc. quoted the City \$70,544 for construction management of the project. Staff recommends entering into an agreement with Fountainhead Consulting Corporation, Inc. in an amount of \$70,544, plus a 15% contingency amount of \$10,582, for a total amount of \$81,126.

FISCAL IMPACT

Funding for this project is partially accounted for in the budget for fiscal year 2024/2025. If approved, an additional \$390,681 will need to be appropriated from the Water Fund under account code 520-840-5821.239.

OPTIONS

1. Approve staff's recommendation.
2. Provide alternative direction.

ATTACHMENTS

1. Public Works Agreement with MIK Construction, Inc.
2. Professional Services Agreement with Fountainhead Consulting

Reviewed by:



Gary Y. Sugano
Assistant City Manager

Approved by:



Andrew Vialpando
City Manager

Prepared by:



Lina Hernandez
Interim Public Works Director



**CONTRACT FOR PROFESSIONAL SERVICES
BETWEEN
THE CITY OF LOMITA AND FOUNTAINHEAD
CONSULTING CORPORATION**

This AGREEMENT for Construction Management and Inspection Services is entered into this 20th day of August 2024, by and between the CITY OF LOMITA, a general law city and municipal corporation (“CITY”) and Fountainhead Consulting Corporation. (“CONTRACTOR”).

RECITALS

- A. CITY does not have the personnel able and/or available to perform the services required under this agreement.
- B. Therefore, CITY desires to contract out for construction inspection, construction administration and testing services for the Appian Way Pump Station Roof Replacement Project.
- C. CONTRACTOR warrants to CITY that it has the qualifications, experience and facilities to perform properly and timely the services under this Agreement.
- D. CITY desires to contract with CONTRACTOR to perform the services as described in **Exhibit A** of this Agreement.

NOW, THEREFORE, based on the foregoing recitals, CITY and CONTRACTOR agree as follows:

1. CONSIDERATION AND COMPENSATION.

- A. As partial consideration, CONTRACTOR agrees to perform the work listed in the SCOPE OF SERVICES, attached as **Exhibit A**;
- B. As an additional consideration, CONTRACTOR and CITY agree to abide by the terms and conditions contained in this Agreement.
- C. As additional consideration, CITY agrees to pay CONTRACTOR an amount of \$70,544.00, the CONTRACTOR’s estimated costs of its services, unless otherwise specified by written amendment to this Agreement. The City Council has also approved an additional 15% of these estimated costs, or up to \$10,582.00, for unexpected contingencies, or a total, not-to-exceed amount of \$81,126.00. If CONTRACTOR incurs expenses exceeding its estimated costs of \$70,544.00, the CONTRACTOR must request such expenses in writing, and the CITY’s City Manager or his designee must approve of such requests for CONTRACTOR to receive compensation for those costs.

- D. No additional compensation shall be paid for any other expenses incurred unless first approved by the City Manager or his designee.
- E. CONTRACTOR shall submit to CITY, by not later than the 10th day of each month, its bill for services itemizing the fees and costs incurred during the previous month. CITY shall pay CONTRACTOR all uncontested amounts set forth in the CONTRACTOR'S bill within 30 days after it is received.

2. SCOPE OF SERVICES.

- A. CONTRACTOR will perform the services and activities set forth in the SCOPE OF SERVICES attached hereto as **Exhibit A** and incorporated herein by this reference. If any part of **Exhibit A** is inconsistent with the terms of this Agreement, the terms of this Agreement shall control.
- B. Except as herein otherwise expressly specified to be furnished by CITY, CONTRACTOR will, in a professional manner, furnish all the labor, technical, administrative, professional, and other personnel, all supplies and materials, equipment, printing, vehicles, transportation, office space, and facilities necessary or proper to perform and complete the work and provide the professional services required of CONTRACTOR by this Agreement.

- 3. PAYMENTS.** For CITY to pay CONTRACTOR as specified by this Agreement, CONTRACTOR must submit an invoice to CITY which lists the reimbursable costs, the specific tasks performed, and, for work that includes deliverables, the percentage of the task completed during the billing period.

- 4. TIME OF PERFORMANCE.** The services of CONTRACTOR are to commence upon receipt of a notice to proceed from CITY and shall continue until all authorized work is completed to CITY's reasonable satisfaction, in accordance with the schedule incorporated in "**Exhibit A**," unless extended in writing by CITY.

- 5. FAMILIARITY WITH WORK.** By executing this Agreement, CONTRACTOR represents that CONTRACTOR has (a) thoroughly investigated and considered the scope of services to be performed; (b) carefully considered how the services should be performed; and (c) understands the facilities, difficulties, and restrictions attending performance of the services under this Agreement.

- 6. KEY PERSONNEL.** CONTRACTOR's key persons assigned to perform work under this Agreement are Ivan Benavidaz, Arezo Ghiam, Kevin Austin, Jessica Harvey, Christian Delgadillo, Nicole Salem, Cesar Cerda and Cheryl Blecker. CONTRACTOR shall not assign another person to be in charge of the work contemplated by this Agreement without the prior written authorization of CITY.

- 7. TERM OF AGREEMENT.** The term of this Agreement shall commence upon execution by both parties and shall expire on upon completion of the scope of work for the Appian Way Pump Station Roof Replacement Project, unless earlier termination occurs under Section 14 of this Agreement or extended in writing in advance by both parties.

8. **BEST MANAGEMENT PRACTICES AND TRAINING.** The contractor shall implement and maintain activity specific Best Management Practices (BMPs) to prevent pollutant loading from stormwater and non-stormwater discharges to receiving waters as required in Municipal NPDES Permit No. CAS004004. Contracting staff whose primary job duties are related to implementation of BMPs shall be adequately trained to effectively implement, operate, and maintain such BMPs and must be versed in factors affecting BMP effectiveness. The contractor shall certify they have received all applicable training to implement the requirements in Municipal NPDES Permit No. CAS004004 and shall provide documentation to that effect.
9. **CHANGES.** CITY may order changes in the services within the general scope of this Agreement, consisting of additions, deletions, or other revisions, and the contract sum, and the contract time will be adjusted accordingly. All such changes must be authorized in writing, executed by CONTRACTOR and CITY. The cost or credit to CITY resulting from changes in the services will be determined in accordance with the written agreement between the parties.
10. **TAXPAYER IDENTIFICATION NUMBER.** CONTRACTOR will provide CITY with a Taxpayer Identification Number.
11. **PERMITS AND LICENSES.** CONTRACTOR will obtain and maintain during the term of this Agreement all permits, licenses, and certificates that may be required by local, state, and federal laws in connection with the performance of services under this Agreement, including a business license as specified in Title VI, Chapter 2 of the Lomita Municipal Code.
12. **LAWS AND REGULATIONS; EMPLOYEE/LABOR CERTIFICATION.** CONTRACTOR shall keep itself fully informed of and in compliance with all local, state and federal laws, rules and regulations in any manner affecting the performance of the Project or the Services, including all Cal/OSHA requirements, and shall give all notices required by law. CONTRACTOR shall be liable for all violations of such laws and regulations in connection with the Services and this Agreement. All violations of such laws and regulations shall be grounds for CITY to terminate the Agreement for cause.
13. **PREVAILING WAGE.**
 - A. Prevailing Wage. CONTRACTOR is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. If the services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is \$1,000 or more, CONTRACTOR agrees to fully comply with such Prevailing Wage Laws. Upon request, CITY shall provide CONTRACTOR with a copy of the prevailing rates of per diem wages in effect at the commencement of this Agreement. CONTRACTOR shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the services available

to interested parties upon request and shall post copies at the CONTRACTOR'S principal place of business and at the project site. It is the intent of the parties to effectuate the requirements of sections 1771, 1774, 1775, 1776, 1777.5, 1813, and 1815 of the Labor Code within this Agreement, and CONTRACTOR shall therefore comply with such Labor Code sections to the fullest extent required by law. CONTRACTOR shall defend, indemnify and hold the CITY, its officials, officers, employees, agents, and volunteers free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

- B. Registration/DIR Compliance. If the services are being performed on a public works project of over \$25,000 when the project is for construction, alteration, demolition, installation, or repair work, or a public works project of over \$15,000 when the project is for maintenance work, in addition to the foregoing, then pursuant to Labor Code sections 1725.5 and 1771.1, CONTRACTOR and all subcontractors must be registered with the Department of Industrial Relations ("DIR"). CONTRACTOR shall maintain registration for the duration of the project and require the same of any subcontractors. This project may also be subject to compliance monitoring and enforcement by the DIR. It shall be CONTRACTOR'S sole responsibility to comply with all applicable registration and labor compliance requirements, including the submission of payroll records directly to the DIR. Any stop orders issued by the DIR against CONTRACTOR or any subcontractors that affect CONTRACTOR'S performance of services, including any delay, shall be CONTRACTOR'S sole responsibility. Any delay arising out of or resulting from such stop orders shall be considered CONTRACTOR caused delay and shall not be compensable by CITY. CONTRACTOR shall defend, indemnify and hold CITY, its officials, officers, employees and agents free and harmless from any claim or liability arising out of stop orders issued by the DIR against CONTRACTOR or any subcontractor.
- C. Labor Certification. By its signature hereunder, CONTRACTOR certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of that Code and agrees to comply with such provisions before commencing the performance of the Services.
- D. Employment of Apprentices. CONTRACTOR and all subcontractors shall comply with the requirements of Labor Code sections 1777.5 and 1777.6 in the employment of apprentices. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, ex officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.
- E. CONTRACTOR or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Labor Code section 1777.1 or 1777.7. Any contract on a public works project entered into between the CONTRACTOR and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money

that is paid or may have been paid to a debarred subcontractor by CONTRACTOR on the project shall be returned to CITY. The CONTRACTOR shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the Project.

- F. CONTRACTOR agrees to bind every subcontractor to the terms of the Agreement as far as such terms are applicable to subcontractor's portion of the work. CONTRACTOR shall be as fully responsible to CITY for the acts and omissions of its subcontractor and of persons either directly or indirectly employed by its subcontractor, as CONTRACTOR is for acts and omissions of persons directly employed by CONTRACTOR. Nothing contained in these Agreement shall create any contractual relationship between any subcontractor and CITY.

14. TERMINATION.

- A. Except as otherwise provided, CITY may terminate this Agreement at any time with or without cause. Notice of termination shall be in writing.
- B. CONTRACTOR may terminate this Agreement. Notice will be in writing at least 30 days before the effective termination date.
- C. In the event of such termination, CONTRACTOR shall cease services as of the date of termination, all finished or unfinished documents, data, drawings, maps, and other materials prepared by CONTRACTOR shall, at CITY's option, become CITY's property, and CONTRACTOR will receive just and equitable compensation for any work satisfactorily completed up to the effective date of notice of termination.
- D. Should the Agreement be terminated pursuant to this Section, CITY may procure on its own terms services similar to those terminated.

15. INDEMNIFICATION.

- A. CONTRACTOR shall indemnify, defend with counsel approved by CITY, and hold harmless CITY, its officers, officials, employees and volunteers from and against all liability, loss, damage, expense, cost (including without limitation reasonable attorneys fees, expert fees and all other costs and fees of litigation) of every nature arising out of or in connection with CONTRACTOR's performance of work hereunder or its failure to comply with any of its obligations contained in this AGREEMENT, regardless of CITY'S passive negligence, but excepting such loss or damage which is caused by the sole active negligence or willful misconduct of CITY. Should CITY in its sole discretion find CONTRACTOR'S legal counsel unacceptable, then CONTRACTOR shall reimburse CITY its costs of defense, including without limitation reasonable attorneys fees, expert fees and all other costs and fees of litigation. CONTRACTOR shall promptly pay any final judgment rendered against CITY (and its officers, officials, employees and volunteers) covered by this indemnity obligation. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California and will survive termination of this Agreement.

- B. The requirements as to the types and limits of insurance coverage to be maintained by CONTRACTOR as required by Section 20, and any approval of said insurance by CITY, are not intended to and will not in any manner limit or qualify the liabilities and obligations otherwise assumed by CONTRACTOR pursuant to this Agreement, including, without limitation, to the provisions concerning indemnification.
16. **ASSIGNABILITY.** This Agreement is for CONTRACTOR's professional services. CONTRACTOR's attempts to assign the benefits or burdens of this Agreement without CITY's written approval are prohibited and will be null and void.
17. **INDEPENDENT CONTRACTOR.** CITY and CONTRACTOR agree that THE CONTRACTOR will act as an independent contractor and will have control of all work and the manner in which it is performed. THE CONTRACTOR will be free to contract for similar services to be performed for other employees while under contract with CITY. CONTRACTOR is not an agent or employee of CITY and is not entitled to participate in any pension plan, insurance, bonus, or similar benefits CITY provides for its employees. Any provision in this Agreement that may appear to give CITY the right to direct CONTRACTOR as to the details of doing the work or to exercise a measure of control over the work means that CONTRACTOR will follow the direction of the CITY as to end results of the work only.
18. **AUDIT OF RECORDS.**
- A. THE CONTRACTOR agrees that CITY, or designee, has the right to review, obtain, and copy all records pertaining to the performance of this Agreement. CONTRACTOR agrees to provide CITY, or designee, with any relevant information requested and will permit CITY, or designee, access to its premises, upon reasonable notice, during normal business hours for the purpose of interviewing employees and inspecting and copying such books, records, accounts, and other material that may be relevant to a matter under investigation for the purpose of determining compliance with this Agreement. CONTRACTOR further agrees to maintain such records for a period of three.
(3) years following final payment under this Agreement.
- B. CONTRACTOR will keep all books, records, accounts, and documents pertaining to this Agreement separate from other activities unrelated to this Agreement.
19. **CORRECTIVE MEASURES.** CONTRACTOR will promptly implement any corrective measures required by CITY regarding the requirements and obligations of this Agreement. CONTRACTOR will be given a reasonable amount of time as determined by CITY to implement said corrective measures. Failure of CONTRACTOR to implement required corrective measures shall result in immediate termination of this Agreement.

20. INSURANCE REQUIREMENTS.

- A. CONTRACTOR, at CONTRACTOR's own cost and expense, shall procure and maintain, for the duration of the contract, the following insurance policies:
1. Workers Compensation Insurance as required by law. CONTRACTOR shall require all subcontractors similarly to provide such compensation insurance for their respective employees. Any notice of cancellation or non-renewal of all Workers' Compensation policies must be received by CITY at least thirty (30) days prior to such change. The insurer shall agree to waive all rights of subrogation against CITY, its officers, agents, employees, and volunteers for losses arising from work performed by CONTRACTOR for CITY.
 2. General Liability Coverage. CONTRACTOR shall maintain commercial general liability insurance in an amount of not less than one million dollars (\$1,000,000) per occurrence for bodily injury, personal injury, and property damage. If a commercial general liability insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit.
 3. Automobile Liability Coverage. CONTRACTOR shall maintain automobile liability insurance covering bodily injury and property damage for all activities of CONTRACTOR arising out of or in connection with the work to be performed under this Agreement, including coverage for owned, hired, and non-owned vehicles, in an amount of not less than one million dollars (\$1,000,000) combined single limit for each occurrence.
 4. Professional Liability Coverage. CONTRACTOR shall maintain professional errors and omissions liability insurance for protection against claims alleging negligent acts, errors, or omissions which may arise from CONTRACTOR'S operations under this Agreement, whether such operations be by CONTRACTOR or by its employees, subcontractors, or subcontractors. The amount of this insurance shall not be less than one million dollars (\$1,000,000) on a claims-made annual aggregate basis or a combined single-limit-per-occurrence basis. When coverage is provided on a "claims made basis," CONTRACTOR will continue to renew the insurance for a period of three (3) years after this Agreement expires or is terminated. Such insurance will have the same coverage and limits as the policy that was in effect during the term of this Agreement and will cover CONTRACTOR for all claims made by CITY arising out of any errors or omissions of CONTRACTOR, or its officers, employees, or agents during the time this Agreement was in effect.
- B. Endorsements. Each general liability, automobile liability, and professional liability insurance policy shall be issued by a financially responsible insurance company or companies admitted and authorized to do business in the State of

California, or which is approved in writing by CITY, and shall be endorsed as follows. CONTRACTOR also agrees to require all contractors, and subcontractors to do likewise.

1. "The CITY, its elected or appointed officers, officials, employees, agents, and volunteers are to be covered as additional insureds with respect to liability arising out of work performed by or on behalf of the CONTRACTOR, including materials, parts, or equipment furnished in connection with such work or operations."
 2. This policy shall be considered primary insurance as respects CITY, its elected or appointed officers, officials, employees, agents, and volunteers. Any insurance maintained by CITY, including any self-insured retention CITY may have, shall be considered excess insurance only and shall not contribute with this policy.
 3. This insurance shall act for each insured and additional insured as though a separate policy had been written for each, except with respect to the limits of liability of the insuring company.
 4. The insurer waives all rights of subrogation against CITY, its elected or appointed officers, officials, employees, or agents.
 5. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to CITY, its elected or appointed officers, officials, employees, agents, or volunteers.
 6. The insurance provided by this policy shall not be suspended, voided, canceled, or reduced in coverage or in limits except after thirty (30) days' written notice has been received by CITY.
- C. CONTRACTOR agrees to provide immediate notice to CITY of any claim or loss against Contractor arising out of the work performed under this agreement. CITY assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve CITY.
- D. Any deductibles or self-insured retentions must be declared to and approved by CITY. At CITY's option, CONTRACTOR shall demonstrate financial capability for payment of such deductibles or self-insured retentions.
- E. CONTRACTOR shall provide certificates of insurance with original endorsements to CITY as evidence of the insurance coverage required herein. Certificates of such insurance shall be filed with CITY on or before commencement of performance of this Agreement. Current certification of insurance shall be kept on file with CITY at all times during the term of this Agreement.

- F. Failure on the part of CONTRACTOR to procure or maintain the required insurance shall constitute a material breach of contract under which CITY may terminate this Agreement pursuant to Section 14 above.
- G. The commercial general and automobile liability policies required by this Agreement shall allow CITY, as additional insured, to satisfy the self-insured retention (“SIR”) and/or deductible of the policy in lieu of the CONTRACTOR (as the named insured) should CONTRACTOR fail to pay the SIR or deductible requirements. The amount of the SIR or deductible shall be subject to the approval of the City Attorney and the Finance Director. CONTRACTOR understands and agrees that satisfaction of this requirement is an express condition precedent to the effectiveness of this Agreement. Failure by CONTRACTOR as primary insured to pay its SIR or deductible constitutes a material breach of this Agreement. Should CITY pay the SIR or deductible on CONTRACTOR’S behalf upon CONTRACTOR’S failure or refusal to do so to secure defense and indemnification as an additional insured under the policy, CITY may include such amounts as damages in any action against Contractor for breach of this Agreement in addition to any other damages incurred by CITY due to the breach.
21. **USE OF OTHER CONTRACTORS.** THE CONTRACTOR must obtain CITY’s prior written approval to use any Contractors while performing any portion of this Agreement. Such approval must include approval of the proposed Contractor and the terms of compensation.
22. **FINAL PAYMENT ACCEPTANCE CONSTITUTES RELEASE.** The acceptance by the CONTRACTOR of the final payment made under this Agreement shall operate as and be a release of CITY from all claims and liabilities for compensation to the CONTRACTOR for anything done, furnished or relating to the CONTRACTOR’S work or services. Acceptance of payment shall be any negotiation of CITY’S check or the failure to make a written extra compensation claim within ten (10) calendar days of the receipt of that check. However, approval or payment by CITY shall not constitute, nor be deemed, a release of the responsibility and liability of CONTRACTOR, its employees, sub-Contractors and agents for the accuracy and competency of the information provided and/or work performed; nor shall such approval or payment be deemed to be an assumption of such responsibility or liability by CITY for any defect or error in the work prepared by CONTRACTOR, its employees, sub-Contractors and agents.
23. **CORRECTIONS.** In addition to the above indemnification obligations, the CONTRACTOR shall correct, at its expense, all errors in the work which may be disclosed during the CITY’S review of CONTRACTOR’S report or plans. Should the CONTRACTOR fail to make such correction in a reasonably timely manner, such correction shall be made by CITY, and the cost thereof shall be charged to CONTRACTOR. In addition to all other available remedies, CITY may deduct the cost of such correction from any retention amount held by CITY or may withhold payment otherwise owed CONTRACTOR under this Agreement up to the amount of the cost of correction.

24. **NON-APPROPRIATION OF FUNDS.** Payments to be made to CONTRACTOR by CITY for services preformed within the current fiscal year are within the current fiscal budget and within an available, unexhausted fund. In the event that CITY does not appropriate sufficient funds for payment of CONTRACTOR'S services beyond the current fiscal year, the Agreement shall cover payment for CONTRACTOR'S only to the conclusion of the last fiscal year in which CITY appropriates sufficient funds and shall automatically terminate at the conclusion of such fiscal year.
25. **NOTICES.** All communications to either party by the other party will be deemed made when received by such party at its respective name and address as follows:

CITY	CONTRACTOR
<u>City of Lomita</u> <u>24300 Narbonne</u> <u>Avenue Lomita, CA</u> <u>90717</u> <u>ATTN: City Manager</u>	<u>Fountainhead Consulting Corporation</u> <u>455 S Figueroa St, Suite 3100</u> <u>Los Angeles, CA 90071</u> <u>ATTN: Ivan Benavidez, PE</u>

Any such written communications by mail will be conclusively deemed to have been received by the addressee upon deposit thereof in the United States Mail, postage prepaid, and properly addressed as noted above. In all other instances, notices will be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this paragraph. Courtesy copies of notices may be sent via electronic mail, provided that the original notice is deposited in the U.S. mail or personally delivered as specified in this Section.

26. **SOLICITATION.** CONTRACTOR maintains and warrants that it has not employed nor retained any company or person other than CONTRACTOR's bona fide employee, to solicit or secure this Agreement. Further, CONTRACTOR warrants that it has not paid, nor has it agreed to pay any company or person, other than CONTRACTOR's bona fide employee, any fee, commission, percentage, brokerage fee, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. Should CONTRACTOR breach or violate this warranty, CITY may rescind this Agreement without liability.
27. **THIRD PARTY BENEFICIARIES.** This Agreement and every provision herein is generally for the exclusive benefit of CONTRACTOR and CITY and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the CONTRACTOR's or CITY's obligations under this Agreement.
28. **INTERPRETATION.** This Agreement was drafted in and will be construed in accordance with the laws of the State of California, and exclusive venue for any action involving this agreement will be in Los Angeles County.

29. **ENTIRE AGREEMENT.** This Agreement and its Attachments sets forth the entire understanding of the parties. There are no other understandings, terms, or other agreements expressed or implied, oral or written.
30. **RULES OF CONSTRUCTION.** Each Party had the opportunity to independently review this Agreement with legal counsel. Accordingly, this Agreement will be construed simply, as a whole, and in accordance with its fair meaning; it will not be interpreted strictly for or against either Party.
31. **AUTHORITY/MODIFICATION.** The Parties represent and warrant that all necessary action has been taken by the Parties to authorize the undersigned to execute this Agreement and to engage in the actions described herein. This Agreement may be modified by written amendment with the signatures of all parties to this Agreement. CITY's City Manager or designee may execute any such amendment on behalf of CITY.
32. **ACCEPTANCE OF FACSIMILE OR ELECTRONIC SIGNATURES.** The Parties agree that this Agreement will be considered signed when the signature of a party is delivered by facsimile transmission, scanned and delivered via electronic mail, or delivered using digital signature technology approved by CITY. Such facsimile or electronic signatures will be treated in all respects as having the same effect as an original signature.
33. **FORCE MAJEURE.** Should the performance of this Agreement be impossible due to fire, flood, explosion, war, embargo, government action, civil or military authority, the natural elements, or other similar causes beyond the Parties' control, then the Agreement will immediately terminate without obligation of either party to the other.
34. **TIME IS OF ESSENCE.** Time is of the essence to comply with dates and schedules to be provided.
35. **ATTORNEY'S FEES.** The parties hereto acknowledge and agree that each will bear his or its own costs, expenses, and attorneys' fees arising out of and/or connected with the negotiation, drafting, and execution of the Agreement, and all matters arising out of or connected therewith except that, in the event any action is brought by any party hereto to enforce this Agreement, the prevailing party in such action shall be entitled to reasonable attorneys' fees and costs in addition to all other relief to which that party or those parties may be entitled.
36. **STATEMENT OF EXPERIENCE.** By executing this Agreement, CONTRACTOR represents that it has demonstrated trustworthiness and possesses the quality, fitness and capacity to perform the Agreement in a manner satisfactory to CITY. CONTRACTOR represents that its financial resources, surety and insurance experience, service experience, completion ability, personnel, current workload, experience in dealing with private Contractors, and experience in dealing with public agencies all suggest that CONTRACTOR is capable of performing the proposed contract and has a demonstrated capacity to deal fairly and effectively with and to satisfy a public agency.

37. DISCLOSURE REQUIRED. (CITY and CONTRACTOR initials required at one of the following paragraphs)

By their respective initials next to this paragraph, CITY and CONTRACTOR hereby acknowledge that CONTRACTOR is a “contractor” for the purposes of the California Political Reform Act because CONTRACTOR’S duties would require him or her to make one or more of the governmental decisions set forth in Fair Political Practices Commission Regulation 18700.3(a)(2) or otherwise serves in a staff capacity for which disclosure would otherwise be required were CONTRACTOR employed by CITY. CONTRACTOR hereby acknowledges his or her assuming-office, annual, and leaving-office financial reporting obligations under the California Political Reform Act and the CITY’S Conflict of Interest Code and agrees to comply with those obligations at his or her expense. Prior to the Contractor commencing services hereunder, the City’s Manager shall prepare and deliver to CONTRACTOR a memorandum detailing the extent of CONTRACTOR’S disclosure obligations in accordance with the CITY’S Conflict of Interest Code.

City Initials _____

Contractor Initials _____

OR

By their initials next to this paragraph, CITY and CONTRACTOR hereby acknowledge that CONTRACTOR is not a “contractor” for the purpose of the California Political Reform Act because CONTRACTOR’S duties and responsibilities are not within the scope of the definition of contractor in Fair Political Practice Commission Regulation 18700.3(a)(2) and is otherwise not serving in staff capacity in accordance with CITY’S Conflict of Interest Code.

City Initials _____

Contractor Initials _____

[signatures on the following page]

IN WITNESS WHEREOF the parties hereto have executed this contract the day and year first hereinabove written.

CITY OF LOMITA

CONTRACTOR

Andrew Vialpando, City Manager

By:

Ivan Benavidaz, PE, Project Director

ATTEST:

Kathleen Horn Gregory, City Clerk

Taxpayer ID No.

APPROVED AS TO FORM:

Trevor Rusin, City Attorney

CITY OF LOMITA

CONSTRUCTION MANAGEMENT, CONSTRUCTION INSPECTION, CONSTRUCTION ADMINISTRATION AND TEST SERVICES FOR

APPIAN WAY PUMP STATION ROOF REPLACEMENT

REVISED COST PROPOSAL – July 9, 2024

Exhibit A

	Project Time Needed	Pre-construction Phase	Construction Phase	Post Construction Phase	Total Hours	Billing Rate	Total
<i>Project Assignment</i>	<i>Project Assignment</i>						
Project Manager	1%	1	16	1	18	\$ 191.00	\$ 3,438.00
Construction Inspector I	50%	1	320	1	322	\$ 148.00	\$ 47,656.00
Construction Inspector - OT	5%			-	-		\$ -
Labor Compliance	5%	1	32	1	34	\$ 120.00	\$ 4,080.00

Subtotal Construction Management: \$ 55,174.00

Subconsultants	Services	Total
Leighton Consulting, Inc.	Materials Testing	\$ 15,370.00

Subtotal Subconsultants: \$ 15,370.00

Total Cost \$ 70,544.00

Notes:

1. Construction duration is estimated at 80 working days with 1 days for preconstruction phase and 1 days for closeout phase.
2. Part-Time Inspection As Requested by the City.
3. **Inspectors will be fully equipped with vehicles, computers, tools, and equipment required to perform their tasks.**
4. Overtime and weekend work is not included. Overtime is to be charged at 1.5 the above rate for inspection work only.
5. Cost proposal is subject to prevailing wage rates and prevailing wage rate changes for inspection.
6. Billing rates are based on actual hours worked.
7. Attached are Rate Schedules for Subconsultants (Materials Testing).



CITY OF LOMITA PUBLIC WORKS AGREEMENT

This Public Works Agreement ("Agreement") is made and entered into as of the date executed by the City Manager and attested to by the City Clerk, by and between MIK Construction, Inc. (hereinafter referred to as "CONTRACTOR") and the City of Lomita, California, a municipal corporation (hereinafter referred to as "CITY").

RECITALS

- A. Pursuant to the Notice Inviting Sealed Bids for **Appian Way Pump Station Roof Replacement** Project, bids were received, publicly opened, and declared on the date specified in the notice.
- B. On Aug 20th, 2024 Lomita's City Council declared CONTRACTOR to be the lowest responsible bidder and accepted the bid of CONTRACTOR.
- C. The City Council has authorized the City Manager to execute a written contract with CONTRACTOR for furnishing labor, equipment, and material for the **Appian Way Pump Station Roof Replacement** Project in the City of Lomita.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants herein contained, it is agreed:

1. GENERAL SCOPE OF WORK: CITY agrees to engage CONTRACTOR and CONTRACTOR agrees to furnish all necessary labor, tools, materials, appliances, and equipment for and do the work for the **Appian Way Pump Station Roof Replacement** Project in the City of Lomita. The work shall be performed in accordance with the Plans and Specifications dated February 23, 2024 (the "Specifications" attached as Exhibit A) and in accordance with bid prices set forth in CONTRACTOR'S Bid Proposal (attached as Exhibit B) and in accordance with the instructions of the City Engineer.
2. INCORPORATED DOCUMENTS TO BE CONSIDERED COMPLEMENTARY: The contract documents for the aforesaid project, a complete set of which is on file with the Lomita City Clerk's Office, shall consist of the Notice Inviting Bids, Instructions to Bidders, Bid Proposal, Builders General Provisions, Standard Specifications, Special Provisions, and all referenced specifications, details, standard drawings, and appendices; together with this Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also, including any and all addenda or supplemental agreements clarifying, amending,

or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein. This contract is intended to require a complete and finished piece of work and anything necessary to complete the work properly and in accordance with the law and lawful governmental regulations shall be performed by CONTRACTOR whether set out specifically in the contract or not. Should it be ascertained that any inconsistency exists between the aforesaid documents and this written agreement, the provisions of this Agreement, the Builders General Provisions and the Standard Specifications, in that order, shall control. Collectively, these contract documents constitute the complete agreement between CITY and CONTRACTOR and supersede any previous agreements or understandings.

3. COMPENSATION: CONTRACTOR agrees to receive and accept the prices set forth in its Bid Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.
4. TIME OF PERFORMANCE: CONTRACTOR agrees to complete the work within **180 working days** from the date of the notice to proceed. By signing this Agreement, CONTRACTOR represents to CITY that the contract time is reasonable for completion of the work and that CONTRACTOR will complete such work within the contract time. In accordance with Government Code Section 53069.85, CONTRACTOR agrees to forfeit and pay CITY as liquidated damages, not as a penalty, the sum of \$1000.00 per day for each and every day of unauthorized delay beyond the completion date, which amount shall be deducted from any payments due or to become due the CONTRACTOR.
5. PREVAILING WAGES:

Pursuant to Labor Code § 1720, and as specified in 8 California Code of Regulations § 16000, CONTRACTOR must pay its workers prevailing wages. It is CONTRACTOR's responsibility to interpret and implement any prevailing wage requirements and CONTRACTOR agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.

In accordance with Labor Code § 1773.2, copies of the prevailing rate of per diem wages are available upon request from CITY's Engineering Division or the website for State of California Prevailing wage determination at <http://www.dir.ca.gov/DLSR/PWD>. CONTRACTOR must post a copy of the prevailing rate of per diem wages at the job site.

CITY directs CONTRACTOR's attention to Labor Code §§ 1777.5, 1777.6 and 3098 concerning the employment of apprentices by CONTRACTOR or any subcontractor.

Labor Code § 1777.5 requires CONTRACTOR or subcontractor employing tradesmen in any apprenticeship occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate must also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases will not be less than one to five except:

When employment around coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 days before the request for certificate, or

When the number of apprentices in training in the area exceeds a ratio of one to five, or

When the trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally, or

When CONTRACTOR provides evidence that CONTRACTOR employs registered apprentices on all of his contracts on an annual average of not less than one apprentice to eight journeymen.

CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if CONTRACTOR employs registered apprentices or journeymen in any apprentice able trade on such contracts and if other contractors on the public works site are making such contributions.

CONTRACTOR and any subcontractor must comply with Labor Code §§ 1777.5 and 1777.6 in the employment of apprentices.

Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the Director of Industrial Relations, ex-officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

CONTRACTOR and its subcontractors must keep an accurate certified payroll records showing the name, occupation, and the actual per diem wages paid to each worker employed in connection with this Agreement. The record will be kept open at all reasonable hours to the inspection of the body awarding the contract and to the Division of Labor Law Enforcement. If requested by CITY, CONTRACTOR must provide copies of the records at its cost.

6. LEGAL HOURS OF WORK: Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this contract, and CONTRACTOR and any subcontractor under it shall comply with and be governed by the laws of the State of California having to do with working hours

set forth in Division 2, Part 7, Chapter 1, Article 3 of the Labor Code of the State of California as amended.

CONTRACTOR shall forfeit, as a penalty to CITY, twenty-five dollars (\$25.00) for each laborer, workman or mechanic employed in the execution of the contract, by him or any subcontractor under it, upon any of the work hereinbefore mentioned, for each calendar day during which the laborer, worker or mechanic is required or permitted to labor more than eight (8) hours in violation of the Labor Code.

7. TRAVEL AND SUBSISTENCE PAY: CONTRACTOR agrees to pay travel and subsistence pay to each worker needed to execute the work required by this Agreement as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.
8. CONTRACTOR'S LIABILITY: The City of Lomita and its officers, agents and employees ("Indemnitees") shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof, or for any of the materials or other things used or employed in performing the work; or for injury or damage to any person or persons, either workers or employees of CONTRACTOR, of its subcontractors or the public, or for damage to adjoining or other property from any cause whatsoever arising out of or in connection with the performance of the work. CONTRACTOR shall be responsible for any damage or injury to any person or property resulting from defects or obstructions or from any cause whatsoever.

CONTRACTOR will indemnify Indemnitees against and will hold and save Indemnitees harmless from any and all actions, claims, damages to persons or property, penalties, obligations or liabilities that may be asserted or claimed by any person, firm, entity, corporation, political subdivision, or other organization arising out of or in connection with the work, operation, or activities of CONTRACTOR, its agents, employees, subcontractors or invitees provided for herein, whether or not there is concurrent passive negligence on the part of any Indemnitee. In connection therewith:

- a. CONTRACTOR will defend any action or actions filed in connection with any such claims, damages, penalties, obligations or liabilities and will pay all costs and expenses, including attorneys' fees, expert fees and costs incurred in connection therewith.
- b. CONTRACTOR will promptly pay any judgment rendered against CONTRACTOR or Indemnitees covering such claims, damages, penalties, obligations and liabilities arising out of or in connection with such work, operations or activities of CONTRACTOR hereunder, and CONTRACTOR agrees to save and hold the Indemnitees harmless therefrom.
- c. In the event Indemnitees are made a party to any action or proceeding filed or prosecuted against CONTRACTOR for damages or other claims arising out of or in connection with the work, operation or activities hereunder, CONTRACTOR agrees to pay to Indemnitees and any all costs and expenses incurred by Indemnitees in such action or proceeding together with reasonable attorneys' fees.

CONTRACTOR'S obligations under this section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of CITY under any provision of this agreement, Contractor shall not be required to indemnify and hold harmless CITY for liability attributable to the active negligence of CITY, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where CITY is shown to have been actively negligent and where CITY active negligence accounts for only a percentage of the liability involved, the obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

So much of the money due to the CONTRACTOR under and by virtue of the contract as shall be considered necessary by CITY may be retained by CITY until disposition has been made of such actions or claims for damages as aforesaid.

It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitees may have under the law.

This indemnity is effective without reference to the existence or applicability of any insurance coverage which may have been required under this Agreement or any additional insured endorsements which may extend to Indemnitees.

THE CONTRACTOR, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all claims, losses and liabilities arising out of or incident to activities or operations performed by or on behalf of the CONTRACTOR regardless of any prior, concurrent, or subsequent passive negligence by the Indemnitees.

9. THIRD PARTY CLAIMS. In accordance with Public Contracts Code § 9201, CITY will promptly inform CONTRACTOR regarding third-party claims against CONTRACTOR, but in no event later than ten (10) business days after CITY receives such claims. Such notification will be in writing and forwarded in accordance with the "Notice" section of this Agreement. As more specifically detailed in the contract documents, CONTRACTOR agrees to indemnify and defend the City against any third-party claim.

10. WORKERS COMPENSATION: In accordance with California Labor Code Sections 1860 and 3700, CONTRACTOR and each of its subcontractors will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, CONTRACTOR, by signing this contract, certifies as follows: "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

11. INSURANCE: With respect to performance of work under this contract, CONTRACTOR shall maintain and shall require all of its subcontractors to maintain insurance as required in the Builders General Provisions.
12. ASSIGNMENT: This Agreement is not assignable nor the performance of neither party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights of obligations of either party without the prior written consent of the other shall be void and of no force and effect.
13. INDEPENDENT CONTRACTOR: THE CONTRACTOR is and shall at all times remain as to the CITY, a wholly independent contractor. Neither the CITY nor any of its agents shall have control of the conduct of CONTRACTOR or any of CONTRACTOR'S employees, except as herein set forth. CONTRACTOR shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of CITY.
14. TAXES: CONTRACTOR is responsible for paying all retail sales and use, transportation, export, import, special or other taxes and duties applicable to, and assessable against any work, materials, equipment, services, processes and operations incidental to or involved in this contract. CONTRACTOR is responsible for ascertaining and arranging to pay them. The prices established in the contract shall include compensation for any taxes CONTRACTOR is required to pay by laws and regulations in effect at the bid opening date.
15. LICENSES: CONTRACTOR represents and warrants to CITY that it has all licenses, permits, qualifications, insurance, and approvals of whatsoever nature which are legally required of CONTRACTOR to practice its profession. CONTRACTOR represents and warrants to CITY that CONTRACTOR shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement any licenses, permits, insurance, and approvals which are legally required of CONTRACTOR to practice its profession. CONTRACTOR shall maintain a City of Lomita business license, if required under CITY ordinance.
16. RECORDS: CONTRACTOR shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this Agreement and such other records as may be deemed necessary by CITY or any authorized representative, and will be retained for three years after the expiration of this Agreement. All such records shall be made available for inspection or audit by CITY at any time during regular business hours.
17. SEVERABILITY. If any portion of these contract documents are declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect provided that it does not frustrate the mutual intent of the parties herein.
18. WHOLE AGREEMENT: This Agreement supersedes any and all other agreements either oral or written, between the parties and contains all of the

covenants and agreements between the parties pertaining to the work of improvements described herein. Each party to this Agreement acknowledges that no representations, inducements, promises, or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statements, or promise not contained in this Agreement shall not be valid or binding. Any modification of this Agreement will be effective only if signed by the party to be charged.

19. AUTHORITY: CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and to bind each respective party. This Agreement may be modified by written amendment. CITY's City Manager may execute any such amendment on CITY's behalf.
20. NOTICES: All notices permitted or required under this Agreement shall be in writing and shall be deemed made when delivered to the applicable party's representative as provided in this Agreement. Additionally, such notices may be given to the respective parties at the following addresses, or at such other addresses as the parties may provide in writing for this purpose.

Such notices shall be deemed made when personally delivered or when mailed forty-eight (48) hours after deposit in the U.S. mail, first-class postage prepaid, and addressed to the party at its applicable address. Courtesy copies of notices may be sent via electronic mail, provided that the original notice is deposited in the U.S. mail or personally delivered as specified in this Section.

CITY OF LOMITA, CA

24300 Narbonne Avenue, Lomita, CA 90717

Attention: Andrew Vialpando, City Manager

CONTRACTOR:

MIK Construction, Inc
11727 Arkansas St, Artesia CA 90701

Attention: Peter Moon, Vice President

21. DISPUTES. Disputes arising from this Agreement will be determined in accordance with the contract documents and Public Contracts Code §§ 10240-10240.13.
22. NON-DISCRIMINATION: No discrimination shall be made in the employment of persons in the work contemplated by this Agreement because of race, religion, color, medical condition, sex, sexual orientation, national origin, political affiliation or opinion, or pregnancy or pregnancy-related condition. A violation of this

section exposes CONTRACTOR to the penalties provided for in Labor Code Section 1735.

23. NO THIRD PARTY BENEFICIARY. This Agreement and every provision herein is for the exclusive benefit of the Contractor and the City and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the Contractor's or the City's obligations under this Contract.
24. TIME IS OF ESSENCE. Time is of the essence for every provision of the Contract Documents.
25. ACCEPTANCE OF FACSIMILE OR ELECTRONIC SIGNATURES. The Parties agree that this Agreement will be considered signed when the signature of a party is delivered by facsimile transmission, scanned and delivered via electronic mail, or delivered using digital signature technology approved by CITY. Such facsimile or electronic signatures will be treated in all respects as having the same effect as an original signature.
26. GOVERNING LAW: This Agreement shall be governed by the laws of the State of California, and exclusive venue for any action involving this Agreement will be in Los Angeles County.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement with all the formalities required by law on the respective dates set forth opposite their signatures.

State of California

CONTRACTOR’S License No. 921766

CONTRACTOR:

MIK Construction, Inc
11727 Arkansas St, Artesia CA 90701

DATE By: _____

CONTRACTOR’S Business Phone 562-941-2400

Emergency Phone at which CONTRACTOR can be reached at any time: _____

CITY OF LOMITA, CALIFORNIA

DATE By: Andrew Vialpando, CITY MANAGER

ATTEST:

DATE By: Kathleen Horn Gregory, CITY CLERK

APPROVED AS TO FORM:

DATE By: Trevor Rusin, CITY ATTORNEY

- Attachments:
Exhibit A: Notice to Bid Package
Exhibit B: Contractor’s Bid Proposal

**CITY OF LOMITA
CONSTRUCTION OR SERVICE CONTRACT ENDORSEMENT**

To be attached to and made a part of all policies ensuring the liability of any person, firm or corporation performing services under contract for the City of Lomita.

Notwithstanding any inconsistent expression in the policy to which this endorsement is attached, or in any other endorsement now or hereafter attached thereto, or made a part thereof, the protection afforded by said policy shall:

1. Include the City of Lomita as an additional insured. (To include the elected officials, appointed officials, and employees.)
2. Indemnify and save harmless the City of Lomita against all claims resulting from the undertaking specified in the contract known as:

**PROPOSAL, SPECIFICATIONS, BOND, AND AFFIDAVIT
FOR
APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT**

This holds harmless assumption on the part of the underwriters shall include all costs of investigation and defense, including claims based on damage to substructures not shown, not located on the plans, or shown incorrectly.

3. Not to be cancelled except by notice to the City Attorney of the City of Lomita at least thirty (30) days prior to the date of cancellation.
4. Provide single limit for Bodily Injury Liability and Property Damage Liability combined, \$3,000,000 each Occurrence, and \$5,000,000 Aggregate.
5. Limited classifications, restricting endorsements, exclusions or other special provisions contained in the policy shall not act to limit the benefits of coverage as they shall apply to the City of Lomita as enumerated in this endorsement. However, nothing contained herein shall affect any rights of the insurer against the insured.
6. It is further expressly agreed by and between the parties hereto that the following two provisions, (a) and (b), are a part of this contract:
 - (a) That the CONTRACTOR specifically agrees to comply with applicable provisions of Section 1777.5 of the Labor Code relating to the employment by contractor or subcontractor under it, of journeyman or apprentices, or workmen, in any apprentice able craft or trade.
 - (b) By my signature hereunder, as CONTRACTOR, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code,

and I will comply with such provisions before commencing the performance of the work of this contract.

The limits of liability as stated in this endorsement apply to the insurance afforded by this endorsement notwithstanding that the policy may have lower limits of liability applying elsewhere in the policy.

Duly Authorized Agent

Attached to and forming part of

Policy No.: _____

of the: _____

Date: _____

Expiration Date: _____



CITY OF LOMITA

24300 Narbonne Avenue
Lomita, CA 90717

CONTRACT DOCUMENTS AND SPECIFICATIONS

FOR

**APPIAN WAY PUMP STATION
ROOF REPLACEMENT**

**BIDS Due
July 30, 2024
01:00 P.M.**

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SECTION A
NOTICE INVITING BIDS



CITY OF LOMITA, CALIFORNIA
NOTICE INVITING BIDS

NOTICE IS HEREBY GIVEN that the City of Lomita, County of Los Angeles, California (hereinafter “City”) will receive sealed bids at the Office of the City Clerk, City Hall, 24300 Narbonne Avenue, Lomita CA 90717, **until 1:00 PM on July 30, 2024**, at which time all bids will be publicly opened and read in the City Council Chambers at the above address for:

APPIAN WAY PUMP STATION ROOF REPLACEMENT

The Appian Way Pump Station, located at 26255 Appian Way, Lomita, CA, is more than 30 years old and has an original wooden roof with one exhaust fan and four skylights. The condition of this wooden roof has deteriorated with extensive termite damage and infestation.

This pump station is a critical water facility that must remain functional and accessible at all times since it controls the pressure and water supply for a pressure zone within the City. Tenting the building was not an option due to concerns with access and safety of drinking water pumps located inside. Therefore, this project consists of removing the existing wooden frame in its entirety and replacing it with a metal truss roof system along with other associated improvements such as new skylights and other ceiling-mounted fixtures.

The Contractor shall perform all work required for such construction in accordance with the contract documents and subject to the terms and conditions of the contract, complete and ready for use.

Each bid must be submitted in writing on a bid proposal furnished by the City. Bids must conform and be responsive to all contract documents. All bids must be sealed and must be plainly marked in the lower left-hand corner **“APPIAN WAY PUMP STATION ROOF REPLACEMENT.”**

Plans and Specifications may be downloaded and printed from the City’s website at no charge at:

<https://lomitacity.com/current-bids-rfps/>

Prospective bidders who only view and/or print the plans and specifications from the City's website will not automatically be added to the City's plan holder list for this project unless they send an email to publicworks@lomitacity.com, and f.aboujaoude@lomitacity.com and provide the firm's name, address, telephone and contact person with a valid email address. This will ensure that the prospective bidder is listed as a "Plan Holder" and will be informed of any addenda and all information issued after obtaining the official form of proposal.

Addenda will be posted on the City website, but it shall be the bidder's responsibility to inquire for any addenda/updates to this Notice Inviting Bid prior to submitting their bid.

Each proposal must be accompanied by a cash deposit, a certified cashier's check, or a bidder's bond, made payable to the City of Lomita, in an amount not less than 10% of the total bid submitted.

The successful bidder will be required to furnish a faithful performance bond in the amount of 100% of the contract price, and a payment bond in the amount of 100% of the contract price, both in a form satisfactory to the City Attorney. The successful bidder will also be required to pay the State of California prevailing wage scale as determined by the Department of Industrial Relations, available at <http://www.dir.ca.gov/PublicWorks/PublicWorks.html>.

The City reserves the right to reject any or all bids and to waive any informality or irregularity in any bid received and to be the sole judge of the merits of the respective bids received. The award, if made, will be made to the lowest responsible bidder. plans and specifications will be available for review at City Hall.

The contractor shall possess a valid State of California Contractors License, **Class A**. All work shall be completed within **180 working days** from the date of the Notice to Proceed (NTP).

Optional visits to the job site can be coordinated if requested. For coordination purposes, email f.aboujaoude@lomitacity.com.

All questions regarding this bid must be submitted in writing on or before **1:00 PM on July 15, 2024**, via email at: publicworks@lomitacity.com, and f.aboujaoude@lomitacity.com.

Kathleen Horn Gregory, MMC
City Clerk

SECTION B
INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

I. QUALIFICATION OF BIDDERS

1. Competency of Bidders

The Bidder shall be thoroughly competent and capable of satisfactorily performing the Work covered by the Bid. As specified in the Bid Documents, the Bidder shall furnish statements of previous experience on similar work. When requested, the Bidder shall also furnish the plan of procedure proposed; the organization, machinery, plant and other equipment available for the Work; evidence of its financial condition and resources; and any other such documentation as may be required by the City to determine if the Bidder is responsible.

2. Contractor's License

At the time of submitting the Bid, the Bidder shall be licensed as a contractor in accordance with the provisions of Chapter 9, Division 3, of the California Business and Professions Code. **The required prime contractor license for this project is a Class A Contractor's license.** However, the City reserves the right to award the Contract to a contractor with another class if the City determines that the license is proper for the work.

3. Contractor Registration Requirements

SB 854 amended the Labor Code to require all contractors bidding on public work to register with the Department of Industrial Relations (DIR) and to pay an annual fee. The registration requires contractors to provide the State with evidence of the contractors' compliance with several statutory requirements. The registration requirement took effect on July 1, 2014.

4. Bidder's Submittal and Contract Award Prohibited

Under California Labor Code section 1771.1, as amended by SB 854, unless registered with the DIR, a contractor may not bid, nor be listed as a subcontractor, for any bid proposal submitted for public work on or after March 1, 2015. Similarly, a public entity cannot award a public work contract to a non-registered contractor, effective April 1, 2015. Also refer to Section 5-3.1 of the Special Provisions.

5. Bidder Qualifications

Bidder Qualifications called for to be submitted at the time of bid include, but are not necessarily limited to:

- a. The Contractor shall have been in business under the same name and California Contractor's License for a minimum of 10 continuous years prior to the bid opening date for this project. The license used to satisfy this requirement shall be of the same type as required by the contract.
- b. The Contractor shall provide a minimum of 3 references for similar projects which have been successfully completed in the State of California with a construction cost of at least \$2M. during the past 5 years.
- c. The Contractor or the Subcontractor performing the construction of similar projects shall have a minimum of 10 years' experience under the same name and California Contractor's License.
- d. The Contractor shall perform above 50% of the contract with its own forces.
- e. The Contractor shall apply for a City of Lomita business license, details of which can be found in the link below:
<https://lomitaca.portal.opengov.com/categories/1091>

II. **BIDDER RESPONSIBILITY**

A responsible Bidder is a Bidder who has demonstrated the attribute of trustworthiness, as well as ability, fitness, capacity, and experience to satisfactorily perform the work.

Bidders are notified that, in accordance with the Lomita Municipal Code, the City Council may determine whether the Bidder is responsible based on a review of the Bidder's performance on other contracts.

If, based on the provisions and criteria set forth in the Lomita Municipal Code, the Public Works Director proposes not to recommend the award of contract to the apparent low bidder, the Director shall notify the Bidder in writing of its intention to recommend to the City Council that the Council award the contract to the 2nd lowest responsible bidder. If the Bidder presents evidence in rebuttal to the recommendation, the Director shall evaluate the merits of such evidence, and based on that evaluation, make a recommendation to the City Council.

III. **ADDENDA TO THE CONTRACT DOCUMENTS**

The City may issue Addenda to the Contract Documents during the period of advertising for any reason. The Bidder shall acknowledge the receipt of the Addenda in their Bid. The failure of the Bidder to do so may result in the rejection of the Bid as non-responsive. **Addenda will be posted on the City website, but it shall be the bidder's responsibility to inquire for any addenda/ updates to this Notice Inviting Bid prior to submitting their bid.**

IV. PREPARATION OF THE BID

1. Examination of Site, Plans and Specifications

Prior to submitting a Bid, the Bidder shall examine the Plans and the Work site, carefully read the Specifications, and satisfy itself that it has the abilities and resources to complete the Work. The Bidder agrees that if it is awarded the Contract, no claim will be made against the City based on ignorance or misunderstanding of the provisions of the Contract Documents, the nature and amount of the work, and the physical and climatic conditions of the work site.

The Contractor shall have included in the contract price a sufficient sum to cover all items, including labor, materials, tools, equipment, and incidentals, that are implied or required for the complete improvements as contemplated by the drawings, specifications, and other contract documents.

2. Estimated Quantities

The quantities shown in the Bid are approximate only. The Contractor will be paid for the actual quantities of work based on field measurements as provided for in these Specifications. The City reserves the right to increase or decrease the amount of any item or portion of work to be performed or materials furnished, or to delete any item, in accordance with the Specifications.

3. Bid Instructions and Submissions

The Bid shall be submitted on the Bid Proposal forms included with the Specifications. All Bid Documents must be completed, executed, and submitted with the Bid by the Bidder.

Required seven (7) Bid Proposal Documents:

- 1) Bidder's Proposal
- 2) Contractor's Affidavit
- 3) Bid Bond (10%)
- 4) List of Subcontractors
- 5) Construction Project References
- 6) Violations of Federal or State Law
- 7) Disqualification or Debarment

All prices submitted will be considered as including all sales or use taxes. The Bid Proposal must be completed in ink or in typewritten form. The

bid sum and all bid amounts on the form must be stated in words and numerals; in case of a conflict, words will take precedence.

In the case of discrepancy between unit bid price and total bid, the unit price shall prevail.

V. BID BOND

Each bid shall be accompanied by Bidder's Security in an amount equal to ten (10) percent of the bid amount, which security shall be lawful money of the United States of America and in one of the following forms: (i) cashier's check made payable to the City of Lomita, (ii) certified check made payable to the City of Lomita, or (iii) bid bond executed by an admitted surety insurer and made payable to the City of Lomita. The City Bid Bond form must be used.

VI. NON-RESPONSIVE BIDS AND BID REJECTION

1. A Bid in which anyone (1) of the required seven (7) Bid proposal documents are not completed, executed, and submitted may be considered non-responsive and be rejected.
2. A Bid in which the Contract Unit Prices are unbalanced, which is incomplete, or which shows alteration of form or irregularities of any kind, or which contains any additions or conditional or alternate Bids that are not called for, may be considered non-responsive and be rejected.

VII. AWARD OF CONTRACT

In accordance with the Lomita Municipal Code, the City Council reserves the right to reject all bids received, to take all bids under advisement for a period not-to-exceed ninety (90) days after date of opening thereof, to waive any informality or irregularity in the Bid, and to be the sole judge of the merits of material included in the respective bids received.

VIII. EXECUTION OF CONTRACT

After the Contract is awarded, the awardee shall execute the following eight (8) documents:

- 1) Contract - Public Works Agreement
- 2) Construction or Service Contract Endorsement
- 3) Performance Bond (100% of Bid price)
- 4) Labor and Material Bond (100% of Bid price)
- 5) Workers' Compensation Insurance Certificate
- 6) Verification of Insurance Coverage (Certificates and Endorsements)

B-6

- 7) Construction Permit Application Form
- 8) Business License Application Form

IX. APPRENTICESHIP EMPLOYMENT STANDARDS

The Contractor is directed to the provisions in Sections 1776, 1777.5 and 1777.6 of the California Labor Code concerning the employment of apprentices by the contractor or any subcontractor under them.

X. PERMITS, LICENSES AND PUBLIC WORKS AGREEMENT

The Contractor shall procure and execute all permits, licenses, pay all charges and fees, and give all notices necessary and incidental to the completion of the Work. The Contractor shall carry out a Public Works Agreement. A no fee Excavation Permit will be issued by the City of Lomita for this project. The Contractor shall obtain a City of Lomita Business License.

XI. INSURANCE

The Contractor shall maintain Automobile Liability, General Liability and Workers' Compensation Insurance as specified in the Public Works Agreement included in the Project Specifications.

XII. PRE-BID INQUIRIES

A Bidder with a Pre-Bid Inquiry must e-mail their question(s) on or before **1:00 PM on July 15, 2024**, via email at publicworks@lomitacity.com, f.aboujaoude@lomitacity.com. Questions received after this date may not be considered.

XIII. LABOR CODE – SB 854

The bidder shall be registered with the Department of Industrial Relations (DIR) in accordance with the provisions of Section 1771.1 of the California Labor Code, as amended by SB 854. No public work contract may be awarded to a non-registered contractor or subcontractor after April 15, 2015.

XIV. PREVAILING WAGE

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>

XV. GUIDELINES DURING GENERAL PANDEMIC CONDITIONS

Contractors shall comply with all local, state, and federal laws and regulations including, but not limited to, the Governor’s and Los Angeles County Health Officer’s orders and guidance related to any general pandemic conditions that may be announces including social distancing, and best practices.

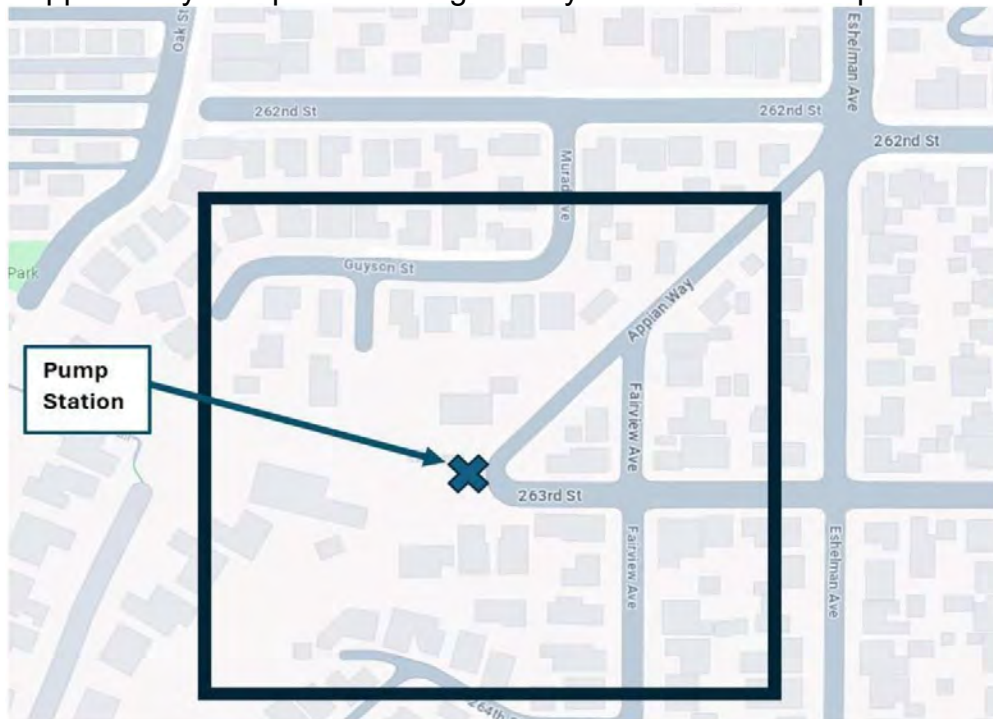
Contractors are required to check with the latest guidelines of the Los Angeles County Public Works and the Los Angeles County Public Health for construction sites during any possible health pandemics.

XVI. CONFROMANCE WITH CITY OF LOMITA NOISE ORDINANCE

The contractor shall abide by the noise regulations outlined in the City of Lomita Municipal Code (LMC). Section 4-4.04 of the LMC makes it unlawful to produce a noise within a residential area that exceeds 65 dBA in the daytime (7:00 AM to 9:00 PM) or 55 dBA in the nighttime (9:00 PM – 7:00 AM).

XVII. NOTIFICATION OF RESIDENTS OF START OF WORK

At least 5 business days before the start of work, the Contractor shall post written notifications at the doors of all households and apartments around the vicinity of the Appian Way Pump Station as generally indicated in the map below.



SECTION C

BID DOCUMENTS

(TO BE SUBMITTED WITH BID PACKAGE)

BIDDER'S PROPOSAL

APPIAN WAY PUMP STATION ROOF REPLACEMENT

Company:

Honorable Mayor and Members
of the Lomita City Council
Lomita, California

In accordance with the Notice Inviting Bids pertaining to the receiving of sealed proposals by the City Clerk of the City of Lomita for the above titled improvement, the undersigned hereby proposes to furnish all Work to be performed in accordance with the Plans, Specifications, Standard Drawings, and the Contract Documents, for the unit price or lump sum set forth in the following schedule.

The undersigned hereby acknowledges that he/she has examined the copies of the plans, specifications and all Contract Documents for this project and is fully aware of scope of the work.

The undersigned also acknowledges that he/she has examined the project site and locality where the work is to be performed and the legal requirements and conditions affecting the cost, progress, and performance of the work in strict accordance with the Contract Documents.

The undersigned also acknowledges that timely completion of the project is important to the City. Therefore, time being of the essence, he/she proposes that the work commenced and will be completed within the time specified in the Notice Inviting Bids.

Specification or Items not indicated on Bid Form: The Contractor is to accommodate those portions of the work required by the specifications or contract documents, whose method of payment is not included in other bid items elsewhere.

In addition, bid items costs associated with bonds, insurance, traffic control, labor, equipment, materials, overhead, profits, all other indirect costs shall be considered full compensation for each bid item.

All work shall be completed within 180 working days from the date the notice to proceed is issued by the Engineer.

PROJECT BID SCHEDULE

Item No.	Item Description	Qty.	Unit	Unit Price	Total Bid
1	Mobilization and Demobilization (Includes Temporary CMU Wall Shoring)	1	LS	\$	\$
2	Existing Roof Demolition, Haul Away, and Disposal	1,480	SF	\$	\$
3	Furnish and install New Roof System	1,480	SF	\$	\$
4	Furnish and install Acrylic Domed Skylight	4	EA	\$	\$
5	Furnish and install Conduit & Wiring	1	LS	\$	\$
6	Furnish and install Wallpack	6	EA	\$	\$
7	Furnish and install Ceiling Light	9	EA	\$	\$
8	Furnish and install Exhaust Fan	1	EA	\$	\$
9	Furnish, install and relocate temporary electrical conduit and antenna and provide temporary protection to existing equipment during construction	1	LS	\$	\$
TOTAL BID (Items 1 through 9)				\$	

TOTAL BID:

(Figures) _____

(Words) _____

***BID MAY BE REJECTED IF TOTAL IS NOT SHOWN IN FIGURES AND WORDS.**

The undersigned furthermore agrees to enter and execute a contract, with necessary bonds, at the unit prices set forth herein and in case of default in executing such contract, with necessary bonds, the check or bond accompanying this bid and the money payable thereon shall be forfeited thereby to and remain the property of the City of Lomita.

The above unit prices include all work appurtenant to the various items as outlined in the Specifications and all work or expense required for the satisfactory completion of said items. In case of discrepancies between unit prices and totals, the unit prices shall govern.

The undersigned declares that it has carefully examined the Plans, Specifications, and Contract Documents, and has investigated the site of the work and is familiar with the conditions thereon.

Contractor _____

Date: _____ By: _____

Contractor's State License No.: _____ Class _____ Exp. Date: _____

Contractor's Address: _____

Phone: _____

7. That the Contractor did not, directly or indirectly, submit the Contractor's bid price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any individual or group of Individuals, except to the City of Lomita, or to any person or persons who have a partnership or other financial interest with said Contractor in its business.

Dated this _____ day of _____, 2024

Subscribed and Sworn to

Contractor

Title

before me this _____ day of _____, 2024.

Notary Public in and for said.
County and State.
(Seal)

BID BOND (10%)

KNOW ALL MEN BY THESE PRESENTS: That we, _____

as principal, and _____

as sureties, are held and firmly bound unto the City of Lomita, State of California, in the penal sum of _____ dollars (\$_____), for the payment whereof we hereby bind ourselves, our successors, heirs, executors or administrators jointly and severally, firmly by these presents.

The condition of this obligation is such that, whereas the above bounded principal is about to file with and submit to the City of Lomita a bid or proposal for the performance of certain work as required in the City of Lomita, said work being: **APPIAN WAY PUMP STATION ROOF REPLACEMENT** in compliance with the Specifications therefor under an invitation of said City contained in a notice or advertisement for bids or proposals; now if the bid or proposal of the said principal shall be accepted and if the said work be thereupon awarded to the principal by said City and if the said principal shall enter into a contract with the said City in accordance with said bid or proposal, or if the bid or proposal of the said principal is rejected, then this bond shall be void and of no effect and otherwise in full force and effect.

WITNESS our hands this _____ day of _____, 20____.

Principal

Surety/Attorney-in-Fact

Signature

Name: _____
Local Address: _____
Phone No.: _____
Fax No.: _____

LIST OF SUBCONTRACTORS

APPIAN WAY PUMP STATION ROOF REPLACEMENT

The Bidder is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should familiarize itself with Section 2-3 of the Standard Specifications.

Name Under Which Subcontractor is Licensed: _____

License Number: _____

Address of Office, Mill or Shop: _____

Specific Description of Sub-Contract: _____

Name Under Which Subcontractor is Licensed: _____

License Number: _____

Address of Office, Mill or Shop: _____

Specific Description of Sub-Contract: _____

Name Under Which Subcontractor is Licensed: _____

License Number: _____

Address of Office, Mill or Shop: _____

Specific Description of Sub-Contract: _____

Name Under Which Subcontractor is Licensed: _____

License Number: _____

Address of Office, Mill or Shop: _____

Specific Description of Sub-Contract: _____

Subcontractors listed in accordance with the provisions of Section 2-3 must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work.

CONSTRUCTION PROJECT REFERENCE

(Work similar in magnitude and degree of difficulty completed by Contractor within the past three [3] years.)

1. Name (Firm/Agency): _____
Address: _____
Contact Person: _____ Telephone No.: _____
Title of Project: _____
Project Location: _____
Date of Completion: _____ Contract Amount: \$ _____

2. Name (Firm/Agency): _____
Address: _____
Contact Person: _____ Telephone No.: _____
Title of Project: _____
Project Location: _____
Date of Completion: _____ Contract Amount: \$ _____

3. Name (Firm/Agency): _____
Address: _____
Contact Person: _____ Telephone No.: _____
Title of Project: _____
Project Location: _____
Date of Completion: _____ Contract Amount: \$ _____

VIOLATIONS OF FEDERAL, STATE OR LOCAL LAWS

1. Has your firm or its officers been assessed any penalties by an agency for noncompliance or violations of Federal, State or Local labor laws and/or business or licensing regulations within the past five (5) years relating to your construction projects?

Yes/No: _____ Federal/State: _____

If "yes," identify and describe, (including agency and status): _____

Have the penalties been paid? Yes/No: _____

2. Does your firm or its officers have any ongoing investigations by any public agency regarding violations of the State Labor Code, California Business and Professions Code or State Licensing Laws?

Yes/No: _____ Code/Laws: _____ Section/Article: _____

If "yes," identify and describe, (including agency and status): _____

DISQUALIFICATION OR DEBARMENT

Has your firm, any officer of your firm, or any employee who has a proprietary interest in your firm ever been disqualified, removed, or otherwise prevented from bidding on, performing work on, or completing a federal, state or local project because of a violation of law or a safety regulation? Yes/No: _____. If yes, provide the following information (if more than once, use separate sheets):

Date: _____ Entity: _____

Location: _____

Reason: _____

Provide Status and any Supplemental Statement: _____

Has your firm been reinstated by this entity? Yes/No: _____

SECTION D

CONTRACT DOCUMENTS

**TO BE SUBMITTED
WITHIN TWENTY ONE (21) CALENDAR DAYS
AFTER AWARD OF CONTRACT**



CITY OF LOMITA PUBLIC WORKS AGREEMENT

CITY OF LOMITA PUBLIC WORKS AGREEMENT

This Public Works Agreement ("Agreement") is made and entered into as of the date executed by the City Manager and attested to by the City Clerk, by and between _____ (hereinafter referred to as "CONTRACTOR") and the City of Lomita, California, a municipal corporation (hereinafter referred to as "CITY").

RECITALS

- A. Pursuant to the Notice Inviting Sealed Bids for **Appian Way Pump Station Roof Replacement**, bids were received, publicly opened, and declared on the date specified in the notice.
- B. On _____, Lomita's City Council declared CONTRACTOR to be the lowest responsible bidder and accepted the bid of CONTRACTOR.
- C. The City Council has authorized the City Manager to execute a written contract with CONTRACTOR for furnishing labor, equipment, and material for the **APPIAN WAY PUMP STATION ROOF REPLACEMENT** Project in the City of Lomita.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants herein contained, it is agreed:

1. GENERAL SCOPE OF WORK: CITY agrees to engage CONTRACTOR and CONTRACTOR agrees to furnish all necessary labor, tools, materials, appliances, and equipment for and do the work for the **APPIAN WAY PUMP STATION ROOF REPLACEMENT** Project in the City of Lomita. The work shall be performed in accordance with the Plans and Specifications dated February 9th, 2024 (the "Specifications" attached as Exhibit A) and in accordance with bid prices set forth in CONTRACTOR'S Bid Proposal (attached as Exhibit B) and in accordance with the instructions of the City Engineer.
2. INCORPORATED DOCUMENTS TO BE CONSIDERED COMPLEMENTARY: The contract documents for the aforesaid project, a complete set of which is on file with the Lomita City Clerk's Office, shall consist of the Notice Inviting Bids, Instructions to Bidders, Bid Proposal, Builders General Provisions, Standard Specifications, Special Provisions, and all referenced specifications, details, standard drawings, and appendices; together with this Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also, including any and all addenda or supplemental agreements clarifying, amending,

or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein. This contract is intended to require a complete and finished piece of work and anything necessary to complete the work properly and in accordance with the law and lawful governmental regulations shall be performed by CONTRACTOR whether set out specifically in the contract or not. Should it be ascertained that any inconsistency exists between the aforesaid documents and this written agreement, the provisions of this Agreement, the Builders General Provisions, and the Standard Specifications, in that order, shall control. Collectively, these contract documents constitute the complete agreement between CITY and CONTRACTOR and supersede any previous agreements or understandings.

3. **COMPENSATION:** CONTRACTOR agrees to receive and accept the prices set forth in its Bid Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.
4. **TIME OF PERFORMANCE:** CONTRACTOR agrees to complete the work within **180 working days** from the date of the notice to proceed. By signing this Agreement, CONTRACTOR represents to CITY that the contract time is reasonable for completion of the work and that CONTRACTOR will complete such work within the contract time. In accordance with Government Code Section 53069.85, CONTRACTOR agrees to forfeit and pay CITY as liquidated damages, not as a penalty, the sum of \$1000.00 per day for each and every day of unauthorized delay beyond the completion date, which amount shall be deducted from any payments due or to become due the CONTRACTOR.
5. **PREVAILING WAGES:**

Pursuant to Labor Code § 1720, and as specified in 8 California Code of Regulations § 16000, CONTRACTOR must pay its workers prevailing wages. It is CONTRACTOR's responsibility to interpret and implement any prevailing wage requirements and CONTRACTOR agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.

In accordance with Labor Code § 1773.2, copies of the prevailing rate of per diem wages are available upon request from CITY's Engineering Division or the website for State of California Prevailing wage determination at <http://www.dir.ca.gov/DLSR/PWD>. CONTRACTOR must post a copy of the prevailing rate of per diem wages at the job site.

CITY directs CONTRACTOR's attention to Labor Code §§ 1777.5, 1777.6 and 3098 concerning the employment of apprentices by CONTRACTOR or any subcontractor.

Labor Code § 1777.5 requires CONTRACTOR or subcontractor employing tradesmen in any apprenticeship occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate must also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases will not be less than one to five except:

When employment around coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 days before the request for certificate, or

When the number of apprentices in training in the area exceeds a ratio of one to five, or

When the trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally, or

When CONTRACTOR provides evidence that CONTRACTOR employs registered apprentices on all his contracts on an annual average of not less than one apprentice to eight journeymen.

CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if CONTRACTOR employs registered apprentices or journeymen in any apprentice able trade on such contracts and if other contractors on the public works site are making such contributions.

CONTRACTOR and any subcontractor must comply with Labor Code §§ 1777.5 and 1777.6 in the employment of apprentices.

Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the Director of Industrial Relations, ex-officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

CONTRACTOR and its subcontractors must keep an accurate certified payroll records showing the name, occupation, and the actual per diem wages paid to each worker employed in connection with this Agreement. The record will be kept open at all reasonable hours to the inspection of the body awarding the contract and to the Division of Labor Law Enforcement. If requested by CITY, CONTRACTOR must provide copies of the records at its cost.

6. LEGAL HOURS OF WORK: Eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this contract, and CONTRACTOR and any subcontractor under it shall comply with and be governed by the laws of the State of California having to do with working hours

set forth in Division 2, Part 7, Chapter 1, Article 3 of the Labor Code of the State of California as amended.

CONTRACTOR shall forfeit, as a penalty to CITY, twenty-five dollars (\$25.00) for each laborer, workman or mechanic employed in the execution of the contract, by him or any subcontractor under it, upon any of the work hereinbefore mentioned, for each calendar day during which the laborer, worker or mechanic is required or permitted to labor more than eight (8) hours in violation of the Labor Code.

7. TRAVEL AND SUBSISTENCE PAY: CONTRACTOR agrees to pay travel and subsistence pay to each worker needed to execute the work required by this Agreement as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.
8. CONTRACTOR'S LIABILITY: The City of Lomita and its officers, agents and employees ("Indemnitees") shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof, or for any of the materials or other things used or employed in performing the work; or for injury or damage to any person or persons, either workers or employees of CONTRACTOR, of its subcontractors or the public, or for damage to adjoining or other property from any cause whatsoever arising out of or in connection with the performance of the work. CONTRACTOR shall be responsible for any damage or injury to any person or property resulting from defects or obstructions or from any cause whatsoever.

CONTRACTOR will indemnify Indemnitees against and will hold and save Indemnitees harmless from any and all actions, claims, damages to persons or property, penalties, obligations or liabilities that may be asserted or claimed by any person, firm, entity, corporation, political subdivision, or other organization arising out of or in connection with the work, operation, or activities of CONTRACTOR, its agents, employees, subcontractors or invitees provided for herein, whether or not there is concurrent passive negligence on the part of any Indemnitee. In connection therewith:

- a. CONTRACTOR will defend any action or actions filed in connection with any such claims, damages, penalties, obligations, or liabilities and will pay all costs and expenses, including attorneys' fees, expert fees and costs incurred in connection therewith.
- b. CONTRACTOR will promptly pay any judgment rendered against CONTRACTOR or Indemnitees covering such claims, damages, penalties, obligations, and liabilities arising out of or in connection with such work, operations, or activities of CONTRACTOR hereunder, and CONTRACTOR agrees to save and hold the Indemnitees harmless therefrom.
- c. In the event Indemnitees are made a party to any action or proceeding filed or prosecuted against CONTRACTOR for damages or other claims arising out of or in connection with the work, operation, or activities hereunder, CONTRACTOR agrees to pay to Indemnitees and any all costs and expenses incurred by Indemnitees in such action or proceeding together with reasonable attorneys' fees.

CONTRACTOR'S obligations under this section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of CITY under any provision of this agreement, Contractor shall not be required to indemnify and hold harmless CITY for liability attributable to the active negligence of CITY, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where CITY is shown to have been actively negligent and where CITY active negligence accounts for only a percentage of the liability involved, the obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

So much of the money due to the CONTRACTOR under and by virtue of the contract as shall be considered necessary by CITY may be retained by CITY until disposition has been made of such actions or claims for damages as aforesaid.

It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitees may have under the law.

This indemnity is effective without reference to the existence or applicability of any insurance coverage which may have been required under this Agreement or any additional insured endorsements which may extend to Indemnitees.

THE CONTRACTOR, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all claims, losses and liabilities arising out of or incident to activities or operations performed by or on behalf of the CONTRACTOR regardless of any prior, concurrent, or subsequent passive negligence by the Indemnitees.

9. THIRD PARTY CLAIMS. In accordance with Public Contracts Code § 9201, CITY will promptly inform CONTRACTOR regarding third-party claims against CONTRACTOR, but in no event later than ten (10) business days after CITY receives such claims. Such notification will be in writing and forwarded in accordance with the "Notice" section of this Agreement. As more specifically detailed in the contract documents, CONTRACTOR agrees to indemnify and defend the City against any third-party claim.

10. WORKERS COMPENSATION: In accordance with California Labor Code Sections 1860 and 3700, CONTRACTOR and each of its subcontractors will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, CONTRACTOR, by signing this contract, certifies as follows: "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

11. INSURANCE: With respect to performance of work under this contract, CONTRACTOR shall maintain and shall require all of its subcontractors to maintain insurance as required in the Builders General Provisions.
12. ASSIGNMENT: This Agreement is not assignable nor the performance of neither party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights or obligations of either party without the prior written consent of the other shall be void and of no force and effect.
13. INDEPENDENT CONTRACTOR: THE CONTRACTOR is and shall at all times remain as to the CITY, a wholly independent contractor. Neither the CITY nor any of its agents shall have control of the conduct of CONTRACTOR or any of CONTRACTOR'S employees, except as herein set forth. CONTRACTOR shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of CITY.
14. TAXES: CONTRACTOR is responsible for paying all retail sales and use, transportation, export, import, special or other taxes and duties applicable to, and assessable against any work, materials, equipment, services, processes, and operations incidental to or involved in this contract. CONTRACTOR is responsible for ascertaining and arranging to pay them. The prices established in the contract shall include compensation for any taxes CONTRACTOR is required to pay by laws and regulations in effect at the bid opening date.
15. LICENSES: CONTRACTOR represents and warrants to CITY that it has all licenses, permits, qualifications, insurance, and approvals of whatsoever nature which are legally required of CONTRACTOR to practice its profession. CONTRACTOR represents and warrants to CITY that CONTRACTOR shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement any licenses, permits, insurance, and approvals which are legally required of CONTRACTOR to practice its profession. CONTRACTOR shall maintain a City of Lomita business license, if required under CITY ordinance.
16. RECORDS: CONTRACTOR shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this Agreement and such other records as may be deemed necessary by CITY or any authorized representative, and will be retained for three years after the expiration of this Agreement. All such records shall be made available for inspection or audit by CITY at any time during regular business hours.
17. SEVERABILITY. If any portion of these contract documents are declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect provided that it does not frustrate the mutual intent of the parties herein.
18. WHOLE AGREEMENT: This Agreement supersedes any and all other agreements either oral or written, between the parties and contains all of the

covenants and agreements between the parties pertaining to the work of improvements described herein. Each party to this Agreement acknowledges that no representations, inducements, promises, or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statements, or promise not contained in this Agreement shall not be valid or binding. Any modification of this Agreement will be effective only if signed by the party to be charged.

19. AUTHORITY: CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and to bind each respective party. This Agreement may be modified by written amendment. The CITY's City Manager may execute any such amendment on CITY's behalf.

20. NOTICES: All notices permitted or required under this Agreement shall be in writing and shall be deemed made when delivered to the applicable party's representative as provided in this Agreement. Additionally, such notices may be given to the respective parties at the following addresses, or at such other addresses as the parties may provide in writing for this purpose.

Such notices shall be deemed made when personally delivered or when mailed forty-eight (48) hours after deposit in the U.S. mail, first-class postage prepaid, and addressed to the party at its applicable address. Courtesy copies of notices may be sent via electronic mail, provided that the original notice is deposited in the U.S. mail or personally delivered as specified in this Section.

CITY OF LOMITA, CA

24300 Narbonne Avenue, Lomita, CA 90717

Attention:

CONTRACTOR:

Attention:

21. DISPUTES. Disputes arising from this Agreement will be determined in accordance with the contract documents and Public Contracts Code §§ 10240-10240.13.

22. NON-DISCRIMINATION: No discrimination shall be made in the employment of persons in the work contemplated by this Agreement because of race, religion, color, medical condition, sex, sexual orientation, national origin, political affiliation or opinion, or pregnancy or pregnancy-related condition. A violation of this

section exposes CONTRACTOR to the penalties provided for in Labor Code Section 1735.

23. NO THIRD PARTY BENEFICIARY. This Agreement and every provision herein is for the exclusive benefit of the Contractor and the City and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the Contractor's or the City's obligations under this Contract.
24. TIME IS OF ESSENCE. Time is of the essence for every provision of the Contract Documents.
25. ACCEPTANCE OF FACSIMILE OR ELECTRONIC SIGNATURES. The Parties agree that this Agreement will be considered signed when the signature of a party is delivered by facsimile transmission, scanned, and delivered via electronic mail, or delivered using digital signature technology approved by CITY. Such facsimile or electronic signatures will be treated in all respects as having the same effect as an original signature.
26. GOVERNING LAW: This Agreement shall be governed by the laws of the State of California, and exclusive venue for any action involving this Agreement will be in Los Angeles County.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement with all the formalities required by law on the respective dates set forth opposite their signatures.

State of California

CONTRACTOR'S License No. _____

CONTRACTOR

_____ By: _____
DATE

CONTRACTOR'S Business Phone _____

Emergency Phone at which CONTRACTOR can be reached at any time: _____

CITY OF LOMITA, CALIFORNIA

_____ By: _____
DATE _____, CITY MANAGER

ATTEST:

_____ By: _____
DATE Kathleen Horn Gregory, CITY CLERK

APPROVED AS TO FORM:

_____ By: _____
DATE Trevor Rusin, CITY ATTORNEY

Attachments: Exhibit A: Contractor's Bid Proposal

**CITY OF LOMITA
CONSTRUCTION OR SERVICE CONTRACT ENDORSEMENT**

To be attached to and made a part of all policies ensuring the liability of any person, firm or corporation performing services under contract for the City of Lomita.

Notwithstanding any inconsistent expression in the policy to which this endorsement is attached, or in any other endorsement now or hereafter attached thereto, or made a part thereof, the protection afforded by said policy shall:

1. Include the City of Lomita as an additional insured. (To include the elected officials, appointed officials, and employees.)
2. Indemnify and save harmless the City of Lomita against all claims resulting from the undertaking specified in the contract known as:

**PROPOSAL, SPECIFICATIONS, BOND, AND AFFIDAVIT
FOR
APPIAN WAY PUMP STATION ROOF REPLACEMENT**

This holds harmless assumption on the part of the underwriters shall include all costs of investigation and defense, including claims based on damage to substructures not shown, not located on the plans, or shown incorrectly.

3. Not to be cancelled except by notice to the City Attorney of the City of Lomita at least thirty (30) days prior to the date of cancellation.
4. Provide single limit for Bodily Injury Liability and Property Damage Liability combined, \$3,000,000 each Occurrence, and \$5,000,000 Aggregate.
5. Limited classifications, restricting endorsements, exclusions or other special provisions contained in the policy shall not act to limit the benefits of coverage as they shall apply to the City of Lomita as enumerated in this endorsement. However, nothing contained herein shall affect any rights of the insurer against the insured.
6. It is further expressly agreed by and between the parties hereto that the following two provisions, (a) and (b), are a part of this contract:
 - (a) That the CONTRACTOR specifically agrees to comply with applicable provisions of Section 1777.5 of the Labor Code relating to the employment by contractor or subcontractor under it, of journeyman or apprentices, or workmen, in any apprentice able craft or trade.
 - (b) By my signature hereunder, as CONTRACTOR, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code,

and I will comply with such provisions before commencing the performance of the work of this contract.

The limits of liability as stated in this endorsement apply to the insurance afforded by this endorsement notwithstanding that the policy may have lower limits of liability applying elsewhere in the policy.

Duly Authorized Agent

Attached to and forming part of

Policy No.: _____

of the: _____

Date: _____

Expiration Date: _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____ as Principal(s) and _____ a corporation, incorporated, organized, and existing under the laws of the State of _____, and authorized to execute bonds and undertakings and to do a general surety business in the State of California, as Surety, are jointly and severally held and firmly bound unto the City of Lomita, a municipal corporation, located in the County of Los Angeles, State of California, in the full and just sum of: _____ Dollars (\$ _____), lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves and our respective heirs, executors, administrators, representative, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that: **WHEREAS**, said Principal(s) have/has entered into, or are/is about to enter into, a certain written contract or agreement, dated as of the _____ day of _____, 20____, with the said City of Lomita for the **APPIAN WAY PUMP STATION ROOF REPLACEMENT** all as is more specifically set forth in said contract or agreement, a full, true and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof;

NOW, THEREFORE, if the said Principal(s) shall faithfully and well and truly do, perform and complete, or cause to be done, performed and complete, each and all of the covenants, terms, conditions, requirements, obligations, acts and things, to be met, done or performed by said Principal(s), including any guarantee period as set forth in, or required by, said contract or agreement, all at and within the time or times, and in the manner as therein specified and contemplated, then this bond and obligation shall be null and void; otherwise it shall be and remain in full force, virtue and effect.

The said Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration or addition to said contract or agreement, or of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said Surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract or agreement, and of any feature or item or items of performance required therein or thereunder.

PERFORMANCE BOND (CONTINUED)

In the event any suit, action or proceedings is instituted to recover on this bond or obligation, said Surety will pay, and does hereby agree to pay, as attorney's fees for said City, such sum as the Court in any such suit, action or proceeding may adjudge reasonable.

EXECUTED, SEALED AND DATED this [redacted] day of [redacted], 20[redacted].

CORPORATE SEAL

PRINCIPAL(S):

BY _____

BY _____

CORPORATE SEAL

SURETY:

BY _____

LABOR AND MATERIAL BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, [REDACTED] as Principal(s) and [REDACTED] a corporation, incorporated, organized, and existing under the laws of the State of [REDACTED], and authorized to execute bonds and undertakings and to do a general surety business in the State of California, as Surety, are jointly and severally held and firmly bound unto:

- (a) The State of California for the use and benefit of the State Treasurer, as ex-officio Treasurer and custodian of the Unemployment Fund of said State; and
- (b) The City of Lomita, California; and
- (c) Any and all persons who do or perform or who did or performed work or labor upon or in connection with the work or improvement referred to in the contract or agreement hereinafter mentioned; and
- (d) Any and all materialmen, persons, companies, firms, association, or corporations, supplying or furnishing any materials, provisions, provender, transportation, appliances or power, or other supplies used in, upon, for or about or in connection with the performance of the work or improvement contracted to be executed, done, made or performed under said contract or agreement; and
- (e) Any and all persons, companies, firms, associations, or corporations furnishing, renting, or hiring teams, equipment, implements or machinery for, in connection with, or contributing to, said work to be done or improvement to be made under said contract or agreement; and
- (f) Any and all persons, companies, firms, associations, or corporations who supply both work and materials;

and whose claim has not been paid by said Principal(s), in full and just sum of [REDACTED] Dollars (\$ [REDACTED]), lawful money of the United States of America, for the payment of which will and truly to be made, said Principal(s) and said Surety do hereby bind themselves and their respective heirs, executors, administrators, representatives, successors and assigns, jointly and severally, firmly by these presents.

LABOR AND MATERIAL BOND (CONTINUED)

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, THAT: WHEREAS, said Principal(s) have/has entered into or are/is about to enter into a certain written contract or agreement, dated as of the [REDACTED] day of [REDACTED] 20 [REDACTED], with the City of Lomita for the **APPIAN WAY PUMP STATION ROOF REPLACEMENT**, all as is more specifically set forth in said contract or agreement, a full, true and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof;

NOW, THEREFORE, if the said Principal(s) (or any of his/her, its, or their subcontractors) under said contract or agreement fails or fail to pay:

- (1) For any materials, provisions, provender, transportation, appliances, or power, or other supplies; or
- (2) For the hire of any teams, equipment, implements, or machinery; or
- (3) For any work or labor; supplies, furnished, provided, used, done or performed in, upon, for or about or in connection with the said work or improvement; or
- (4) For amounts due under the Unemployment Insurance Act of the State of California with respect to such work or improvement.

the Surety on this bond will pay the same in an amount not exceeding the sum hereinabove specified in this bond; and, also, in case suit is brought upon this bond, said Surety will (and does hereby agree to) pay a reasonable attorney's fee, to be fixed and taxed as costs, and included in the judgment therein rendered.

This bond shall (and it is hereby made to) insure to the benefit of any and all persons entitled to file claims under Section 1192.1 of the Code of Civil Procedure of the State of California, so as to give a right of action to them or their assigns in any suit brought upon this bond, all as contemplated under the provisions of Section 4205 of the Government Code, and of Chapter 1 of Title 4 of Part 3 of the Code of Civil Procedure, of the State of California.

This bond is executed and filed in connection with said contract or agreement hereunto attached to comply with each and all the provisions of the laws of the State of California above mentioned or referred to, and of all amendments thereto, and the obligors so intend and do hereby bind themselves accordingly.

WORKERS' COMPENSATION INSURANCE CERTIFICATION

APPIAN WAY PUMP STATION ROOF REPLACEMENT,

In compliance with Section 7-4 of the Standard Specifications, the CONTRACTOR shall complete and submit the following certification with a Certificate of Insurance before execution of the contract.

I am aware of, and will comply with, Section 3700 of the Labor Code, requiring every employer to be insured against liability for Workers' Compensation or to undertake self-insurance before commencing any of the work.

DATED: _____

CONTRACTOR

By: _____
Signature

Title: _____

SECTION E

SPECIAL PROVISIONS

**CITY OF LOMITA
APPIAN WAY PUMP STATION ROOF REPLACEMENT**

PROJECT TECHNICAL SPECIFICATIONS

<u>SECTION</u>	<u>DESCRIPTION</u>
02050	DEMOLITION
02222	PROTECTING EXISTING FACILITIES
03600	GROUT
05120	STRUCTURAL STEEL AND MISCELLANEOUS METALWORK
05300	METAL DECKING
07411	METAL ROOF PANELS
07620	SHEET METAL FLASHING AND TRIM
07900	JOINT SEALERS
15870	EXHAUST VENTILLATION FAN
16010	GENERAL ELECTRICAL REQUIREMENTS
16050	BASIC ELECTRICAL MATERIALS AND METHODS
16073	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
16075	ELECTRICAL IDENTIFICATION
16120	LOW VOLTAGE WIRE AND CABLE
16130	RACEWAYS AND BOXES
16511	INTERIOR LIGHTING
16521	EXTERIOR LIGHTING



02/9/2024



02/9/2024



02/9/2024

SECTION 02050 DEMOLITION

PART 1: GENERAL

1.01 DESCRIPTION

This Section includes demolition and removal of existing building roof system.

1.02 SUBMITTALS

A. Submit schedule of demolition. Include details about specific tasks that must be completed prior to demolition of existing building roof. Identify demolition time constraints. Demolition schedule shall be a part of the Construction Schedule.

B. Provide tickets documenting proper disposal of contaminated materials.

1.03 MEASUREMENT AND PAYMENT

Full compensation for demolition including furnishing all materials, labor, tools, equipment, and incidentals and disposal or delivery of removed items and performing all the work described in this Section and as indicated on the Plans shall be included in the Contract lump sum price paid for Demolition and no additional compensation shall be allowed therefor.

RECYCLING

1.04

All materials that can be recycled in lieu of disposal shall be recycled.

PART 2: MATERIALS

(Not Used)

PART 3: EXECUTION

3.01 GENERAL

Perform removal, replacement, and demolition work in accordance these specifications and as shown on the Plans.

3.02 CONSTRAINTS

The existing Pump Station Facility shall remain in service during the demolishing of the existing roof. Contractor shall take action to cover and protect facility components.

3.03 DEMOLITION

A. Building roof to be demolished shall be removed in their entirety and disposed of offsite.

- B. Perform the work in a manner that will not damage parts of the structure not intended to be removed. If, in the opinion of the Engineer, the method of demolition used may endanger or damage parts of the structure or affect the satisfactory operation of the facilities, promptly change the method when so notified by the Engineer.

3.04 **DUST CONTROL**

- A. Provide misting water sprays sufficient to reduce airborne dusting from demolition work.
- B. Apply additional water dust suppression applied during dry weather.
- C. Avoid dust-generating work must be avoided on high wind days.

3.05 **DISPOSAL**

All construction debris shall be disposed of in accordance with all State and local laws and requirements.

3.06 **ASBESTOS**

The City of Lomita conducted laboratory testing on the roof of the pump station by a third party. No asbestos was detected as shown in the test reports in Appendix III.

END OF SECTION

SECTION 02222 PROTECTING EXISTING FACILITIES

PART 1: GENERAL

1.01 DESCRIPTION

This section describes materials and procedures for protecting existing improvements.

1.02 SUBMITTALS

- A. Submit method of protection for all interior piping and equipment.
- B. Submit method of temporary support, bracing or shoring of the existing CMU building walls.
- C. Submit documentation of existing facilities including a copy of all photos and/or video.

1.03 DOCUMENTATION OF EXISTING FACILITIES

- A. Documentation shall clearly show the condition of existing facilities including existing cracks, settlement, paint blemishes, etc. within 50' of the limits of construction and within the limits of construction.
- B. Documentation shall be provided at least 48 hours prior to start of construction at the site.
- C. In the event that the Contractor fails to document adequately, the Contractor shall repair any defect noted at the end of Construction at the Contractor's cost.

1.04 MEASUREMENT AND PAYMENT

Full compensation for Protecting Existing Facilities including furnishing all materials, labor, tools, equipment, and incidentals and performing all work described in this Section and as indicated on the Plans, except for potholes, shall be included as part of the Contract price paid for related bid item(s) and no additional compensation shall be allowed therefor.

PART 2: MATERIALS

2.01 REPLACEMENT IN KIND

- A. Except as indicated on the Plans or as specifically authorized by the Engineer, reconstruct utilities with new material of the same size, type, and original quality as that removed.
- B. Damage to existing building elements, piping and equipment shall be repaired to original condition or better or shall be reconstructed or replaced in-kind.

- C. Damage to existing roads and adjacent properties shall be repaired to original condition or better or shall be reconstructed in-kind.
- D. Replace portion of damaged street improvements, driveway, sidewalk, or pavement to the nearest construction joint unless otherwise noted.

PART 3: EXECUTION

3.01 GENERAL

- A. Replace in kind improvements, such as pavement, curbs and gutters, ramps, barricades, traffic islands, signalization, fences, signs, mail boxes, etc., that are cut, removed, damaged, or otherwise disturbed by the construction.
- B. When protecting in place, the contractor shall take into account all loads, including surcharges and potential surcharges.

3.02 DOCUMENTATION

- A. At least 48 hours prior to beginning physical construction, the Contractor shall document the condition of all potentially impacted roads, the project site, adjacent properties and any other potentially affected areas.
- B. At least 48 hours prior to documenting the condition of potentially affected areas, the Contractor shall notify the Engineer. The Engineer may accompany the Contractor during the documentation process and may provide additional documentation. If the Engineer also provides documentation, the Contractor is not relieved of his responsibility to document conditions.
- C. Documentation shall include pictures and/or video. The documentation shall be kept and made available to the Owner throughout construction and for a period of three years after the Notice of Completion has been filed.

3.03 PROCEDURES

- A. Protect in Place: Protect all improvements in place, unless otherwise specified.
- B. Contractor shall provide temporary support, bracing and shoring for all CMU building wall prior to the removal of the existing roof. Removal and reinstallation of the existing wall mounted acoustical panels may be required. The temporary support, bracing and shoring shall remain in place until the new roof structure and diaphragm are completely installed. The design configuration, installation and maintenance of the temporary support, bracing and shoring is the sole responsibility of the contractor. The bracing shall keep the existing walls in their “as constructed” positions. The contractor shall document the condition of the existing walls prior to beginning construction and shall monitor the condition and positions of the wall during and after construction.

END OF SECTION

SECTION 03600 GROUT

PART 1: GENERAL

1.01 SCOPE OF WORK

- A. The CONTRACTOR shall furnish all materials for grout in accordance with the provisions of this Section and shall form, mix, place, cure, repair, finish, and do all other work as required to produce finished grout, in accordance with the requirements of the Contract Documents.
- B. The following types of grout shall be covered in this Section:
 - 1. Non-Shrink Grout: This type of grout is to be used wherever grout is shown in the Contract Documents, unless another type is specifically referenced.
 - 2. Cement Grout
 - 3. Epoxy Grout

1.02 REFERENCES SPECIFICATIONS, CODES, AND STANDARDS

- A. Specifications, codes, and standards shall be referred to herein.
- B. Commercial Standards:

CRD-C621	Corps of Engineers Specification for Non-shrink Grout
ASTM C109	Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or 50-mm Cube Specimens)
ASTM C531	Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical- Resistant Mortars, Grouts, and Monolithic Surfacing
ASTM C579	Test Methods for Compressive Strength of Chemical-Resistant Mortars and Monolithic Surfacing
ASTM C827	Test Method for Early Volume Change of Cementitious Mixtures
ASTM C1107	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-shrink)
ASTM D696	Test Method for Coefficient of Linear Thermal Expansion of Plastics

1.03 CONTRACTOR SUBMITTALS

- A. The CONTRACTOR shall submit certified test results verifying the compressive strength, shrinkage, and expansion requirements are within the limits specified herein.
- B. Manufacturer's literature containing instructions and recommendations on the mixing, handling, placement, and appropriate uses for each type of non-shrink and epoxy grout used in the work.

QUALITY ASSURANCE

A. Field Tests:

1. Compression test specimens will be taken during construction from the first placement of each type of grout, and at intervals thereafter as selected by the ENGINEER to ensure continued compliance with these specifications. The specimens will be made by the ENGINEER or its representative.
2. Compression tests and fabrication of specimens for cement grout and non-shrink grout will be performed as specified in ASTM C 109 at intervals during construction as selected by the ENGINEER. A set of three specimens will be made for testing at 7 days, 28 days, and each additional time period as appropriate.
3. Compression tests and fabrication of specimens for epoxy grout will be performed as specified in ASTM C 579, Method B, at intervals during construction as selected by the ENGINEER. A set of three specimens will be made for testing at 7 days, and each earlier time period as appropriate.
4. All grout, already placed, which fails to meet the requirements of these specifications, is subject to removal and replacement at the cost of the CONTRACTOR.
5. The cost of all laboratory tests on grout will be borne by the OWNER, but the CONTRACTOR shall assist the ENGINEER in obtaining specimens for testing. However, the CONTRACTOR shall be charged for the cost of any additional tests and investigation on work performed which does not meet the specifications. The CONTRACTOR shall supply all materials necessary for fabricating the test specimens.

B. Construction Tolerances: The CONTRACTOR shall set and maintain concrete forms and perform finishing operations so as to ensure that the completed work is within the tolerances specified herein. Surface defects and irregularities are defined as finishes and are to be distinguished from tolerances. Tolerance is the specified permissible variation from lines, grades, or dimensions shown. Where tolerances are not stated in the specifications, permissible deviations will be in accordance with ACI 117 – *Standard Tolerance for Concrete Construction and Materials*.

1. The following construction tolerances are hereby established and apply to finished walls and slab unless otherwise shown:

Item	Tolerance
Variation of the constructed linear outline from the established position in plan.	In 10 feet: 1/4-inch; In 20 feet or more: 1/2-inch
Variation from the level or from the grades shown.	In 10 feet: 1/4-inch; In 20 feet or more: 1/2-inch
Variation from the plumb	In 10 feet: 1/4-inch; In 20 feet or more: 1/2-inch

PART 2: PRODUCTS

2.01 CEMENT GROUT

1. Cement Grout: Cement grout shall be composed of one part cement, three parts sand, and the minimum amount of water necessary to obtain the desired consistency. Where needed to match the color of adjacent concrete, white portland cement shall be blended with regular cement as needed. The minimum compressive strength at 28 days shall be 4000 psi.
2. Application: Cement grout shall be used at all locations where “dry pack” material is specified on the Contract Documents.

2.02 PREPACKAGED GROUTS

A. Non-Shrink Grout:

1. Non-shrink grout shall be a prepackaged, inorganic, non-gas-liberating, non-metallic, cement-based grout requiring only the addition of water. Manufacturer's instructions shall be printed on each bag or other container in which the materials are packaged. The specific formulation for each class of non-shrink grout specified herein shall be as recommended by the manufacturer for the particular application required for this project.
2. Class A non-shrink grouts shall have a minimum 28 day compressive strength of 7000 psi; shall have no shrinkage (0.0 percent) and a maximum 4.0 percent expansion in the plastic state when tested in accordance with ASTM C-827; and shall have no shrinkage (0.0 percent) and a maximum of 0.2 percent expansion in the hardened state when tested in accordance with CRD C 621.
3. Class B non-shrink grouts shall have a minimum 28 day compressive strength of 5000 psi and shall meet the requirements of CRD C 621.
4. Application:
 - a. Class A non-shrink grout shall be used for the repair of all holes and defects in concrete members which are water bearing or in contact with soil or other fill material, grouting under all equipment base plates, and at all locations where “grout” is specified in the contract documents; except, for those applications for Class B non-shrink grout and epoxy grout specified herein. Class A non-shrink grout may be used in place of Class B non-shrink grout for all applications.
 - b. Class B non-shrink grout shall be used for the repair of all holes and defects in concrete members which are not water-bearing and not in contact with soil or other fill material, grouting under all base plates for structural steel members, and grouting railing posts in place.
5. Manufacturers and Product:
 - a. Class A Grout
 - 1) Five Star “Five Star Fluid Grout 100”

- 2) Masterbuilders “Masterflow 928”
- 3) Approved equal

b. Class B Grout

- 1) Five Star “Five Star Grout”
- 2) Masterbuilders “Set Grout”
- 3) Approved equal

B. Epoxy Grout:

1. Epoxy grout shall have the ability to be poured, be non-shrinking and a 100 percent solids system. The epoxy grout system shall have three components: resin, hardener, and specially blended aggregate, all premeasured and prepackaged. The resin component shall not contain any non-reactive diluents. Resins containing butyl glycidyl ether (BGE) or other highly volatile and hazardous reactive diluents are not acceptable. Variation of component ratios is not permitted unless specifically recommended by the manufacturer. Manufacturer's instructions shall be printed on each container in which the materials are packaged. Epoxy grout shall be **Masterflow 648 CP by Master Builders Technologies; Conbextra EPR by Fosroc Ltd.; Sikadur 42 Grout-Pak by Sika Products.**
2. The chemical formulation of the epoxy grout shall be that recommended by the manufacturer for the particular application.
3. The mixed epoxy grout system shall have a minimum working life of 45 minutes at 75 degrees F.
4. The epoxy grout shall develop a compressive strength of 5000 psi in 24 hours and 10,000 psi in seven days when tested in accordance with ASTM C 579, Method B. There shall be no shrinkage (0.0 percent) and a maximum 4.0 percent expansion when tested in accordance with ASTM C 827.
5. The epoxy grout shall exhibit a minimum effective bearing area of 95 percent. This shall be determined by a test consisting of filling a 2-inch diameter by 4-inch high metal cylinder mold covered with a glass plate coated with a release agent. A weight shall be placed on the glass plate. At 24 hours after casting, the weight and plate shall be removed and the area in plan of all voids measured. The surface of the grout shall be probed with a sharp instrument to locate all voids.
6. The peak exotherm of a 2-inch diameter by 4-inch high cylinder shall not exceed 95 degrees F when tested with 75 degree F material at laboratory temperature. The epoxy grout shall exhibit a maximum thermal coefficient of 30×10^{-6} inches/inch/degree F when tested according to ASTM C 531 or ASTM D 696.
7. Application: Epoxy grout shall be used to embed all anchor rods and reinforcing steel required to be set in grout, and for all other applications required in the Contract Documents.

2.03 **CURING MATERIALS**

Curing materials shall be as recommended by the manufacturer of prepackaged grouts.

2.04 **CONSISTENCY**

The consistency of grouts shall be that necessary to completely fill the space to be grouted for the particular application. Dry pack consistency is such that the grout is plastic and moldable but will not flow. Where "dry pack" is called for in the Contract Documents, it shall mean a grout of that consistency; the type of grout to be used shall be as specified herein for the particular application.

2.05 **MEASUREMENT OF INGREDIENTS**

- A. Measurements for cement grout shall be made accurately by volume using containers. Shovel measurement shall not be allowed.
- B. Prepackaged grout shall be mixed with the recommended volume of water in order to achieve the desired grout consistency.

PART 3: EXECUTION

3.01 **GENERAL**

- A. The finish of the grout surface shall match that of the adjacent concrete.
- B. The manufacturer of Class A non-shrink grout and epoxy grout shall provide on-site technical assistance upon request.
- C. Base concrete or masonry must have attained its design strength before grout is placed, unless authorized by the ENGINEER.
- D. Grout samples shall be taken as specified in subsection 1.04A of this Section.

3.02 **CONCRETE PATCH AND REPAIR**

- A. Patching Small Holes:
 - 1. Holes which are less than 12 inches in their least dimension and extend completely through concrete members, shall be filled with non-shrink grout.

3.03 **GROUTING PROCEDURES**

- A. Prepackage Grouts: All mixing, surface preparation, handling, placing, consolidation, curing, and other means of execution for prepackaged grouts shall be done according to the instructions and recommendations of the manufacturer.
- B. Grouting:
 - 1. The original concrete shall be blocked out or finished off a sufficient distance below the plate to provide for a one-inch minimum thickness of grout or a thickness as shown on the Drawings.

2. After the plate has been set in position at the proper elevation by steel wedges, the space between the bottom of the plate and the original concrete surface shall be filled with non-shrink grout. The mixture shall be a trowelable consistency and tamped or rodded solidly into the space between the plate and the base concrete. A backing board or stop shall be provided at the back side of the space to be filled with grout. Where this method of placement is not practical or where required by the ENGINEER, alternate grouting methods shall be submitted for acceptance by the ENGINEER.

3.04 **CONSOLIDATION**

Grout shall be placed in such a manner so as to assure that the space to be grouted is completely filled. The consistency of the grout when applied shall meet the requirements stated.

END OF SECTION

SECTION 05120 STRUCTURAL STEEL

PART 1: GENERAL

1.01 SCOPE OF WORK

The CONTRACTOR shall furnish, fabricate, and place all structural steel and make all connections necessary to provide a complete work and in accordance with the Contract Documents.

1.02 REFERENCES

A. American Institute of Steel Construction (AISC):

1. Specification for Structural Steel Buildings—Allowable Stress Design and Plastic Design, excluding Section A7.1
2. Allowable Stress Design Specification for Structural Joints using ASTM A325 or A490 Bolts.
3. Manual of Steel Construction, Allowable Stress Design
4. Seismic Provisions for Structural Steel Buildings
5. Code of Standard Practice for Steel Buildings and Bridges, excluding Sections 3, 4, 7.11.3.3, 7.11.4, 7.11.5, and 7.13
6. AISC Quality Certification Program
7. AISC Erector Certification Program

B. American Society of Mechanical Engineers (ASME):

BPVC SEC IX Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing

C. American Society of Nondestructive Testing (ASNT):

ASNT-TC-IA Personnel Qualification and Certification in Nondestructive Testing

D. American Welding Society (AWS):

D1.1 Structural Welding Code-Steel
QC 1 Standard for AWS Certification of Welding Inspectors

E. ASTM International (ASTM):

A6	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Steel Piling.
A36	Standard Specification for Structural Steel
A53 S	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless
A123	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
A143	Standard Practice for Safeguarding Against Embrittlement of Hot-Dip Galvanized Structural Steel Products and Procedures for Detecting Embrittlement
A153	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
A307	Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength
A325	Standard Specification for High-Strength Bolts for Structural Steel Joints
A384	Standard Practice for Safeguarding Against Warpage and Distortion During Hot-Dip Galvanizing of Steel Assemblies
A385	Standard Practice for Providing High-Quality Zinc Coatings (Hot-Dip)
A490	Standard Specification for Heat-Treated Steel Structural bolts, 150 ksi Minimum Tensile Strength.
A500	Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
A501	Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing
A563	Standard Specification for Carbon and Alloy Steel Nuts
A572	Standard Specification for High-Strength Low Alloy Columbium-Vanadium Structural Steel
A588	Standard Specification for High-Strength Low Alloy Structural Steel with 50 ksi Minimum Yield Point to 4 in. thick
A673	Standard Specification for Sampling Procedure for Impact Testing of Structural Steel
A780	Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings
A992	Standard Specification for Steel for Structural Shapes for Use in Building Frames
B695	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.
F436	Standard Specification for Hardened Steel Washers
F959	Standard Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners
F1852	Standard Specification for "Twist Off" Type Tension Control Structural Bolt/Nut/Washer Assemblies, Steel, Heat Treated, 120/150 ksi Minimum Tensile Strength

1.03 SUBMITTALS

A. Action Submittals:

1. Provide shop drawings showing erection plans, member size and their connections.
2. Anchor bolt layouts.
3. Hardened washer details (if applicable).
4. Joint details for complete penetration welds
5. Schedules for fabrication procedures
6. Primer and other coatings for items in this Section
7. Name and address of manufacturer(s)
8. Product specifications
9. Manufacturers' testing procedures and standards
10. Preparation and installation or application instructions, as appropriate

B. Informational Submittals:

1. Mill Certificates of tests made in accordance with ASTM A6.
2. Certified Mill Test Reports for Bolts and Nuts:
 - a. Name and address of manufacturer.
 - b. Bolts correctly marked.
 - c. Marked bolts and nuts used in required mill tests and manufacturer's inspection tests.
3. Methods proposed to resolve misalignment between anchor bolts and bolt holes in steel members.
4. Welding Procedures, Qualifications, and Inspection Report
5. AISC Quality Certification: AISC certificate showing name and address of certified firm, effective date, and category of certification.
6. As-built redline markups shall be submitted at the completion of work, which indicate and document all changes and deviations from the contract document during the construction. As-built redline markups shall be submitted in digital PDF format.

1.04 **QUALITY ASSURANCE**

- A. Mill identification marks in accordance with ASTM A6.
- B. AISC Quality Certification for Fabricator: Conventional Steel Structures (Sbd).

C. **Welding Qualifications:**

1. Welding Procedure Specifications: In accordance with AWS D1.1 (Annex E) or ASME BPVC SEC IX (Forms QW-482 and QW-483).
2. Welder/Welding Operator Performance Qualifications: In accordance with AWS D1.1 (Annex E), or ASME BPVC SEC IX (Form QW-484).
3. Certified Welding Inspector: Certified in accordance with AWS QC1, and having prior experience with the welding codes specified.
4. Testing Agency: Personnel performing tests shall be Nondestructive Testing Level II Certified in accordance with ASNT SNT-TC-1A.

1.05 **DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Load structural members in such a manner that they will be transported and unloaded without damage to coatings and without being excessively stressed, deformed, or otherwise damaged.
- B. Storage:
1. Protect structural steel members and packaged materials from corrosion and deterioration.
 2. Store in dry area and not in direct contact with ground.
 3. Protect fasteners from dirt and moisture. Do not remove lubricant from bolts and nuts.
 4. Handle materials to avoid distortion or damage to members or supporting structures.

PART 2: PRODUCTS

2.01 **MATERIALS**

- A. Rolled Plates, Shapes except W-Shapes, and Bars: ASTM A36, unless indicated otherwise.
- B. Plate material for frame connections shall be ASTM A572, Grade 50, where indicated on Drawings.
- C. Steel Pipe: ASTM A53, Type E or S, Grade B.
- D. Square and Rectangular Hollow Structural Sections (HSS): ASTM A500, Grade B (F_y equals 46 ksi).

2.02 **FASTENERS**

- A. Machine Bolts (M.B.): ASTM A307

- B. Nuts: ASTM A563, type to match bolt type and finish.
- C. Hardened Steel Flat and Beveled Washers: ASTM F436, type to match bolt finish.

2.03

FABRICATION

A. General:

- 1. Fabricate as shown and in accordance with AISC Specification for Structural Steel Buildings and AISC Code of Standard Practice for Steel Buildings and Bridges.
- 2. Columns shall be full length members without splices, unless shown otherwise or approved by ENGINEER.
- 3. Mark and match mark materials for field assembly.
- 4. Complete assembly, including bolting and welding of units, before start of finishing operations.
- 5. Fabricate to agree with field measurements.

B. Connections:

- 1. Shop Connections: Weld or bolt, as shown.
- 2. Meet requirements of AISC Manual of Steel Construction tables for bolted double-angle shear connections, unless indicated otherwise.
- 3. Meet OSHA requirements for one independent bolt at beams framing in to column web connections.
- 4. Provide oversized holes for anchor bolts in column base plates in accordance with AISC Manual of Steel Construction, unless indicated otherwise.

C. Welded Construction:

- 1. Conform to governing welding codes for type of weld and material for each weld.
- 2. Groove and Butt Joint Welds: Complete penetration, unless otherwise indicated.
- 3. Interface with Other Work.

D. Holes:

- 1. As necessary or as indicated for securing other Work to structural steel framing, and for passage of other Work through steel framing members.
- 2. No flame-cut holes will be permitted without prior approval of ENGINEER.

3. Weld threaded nuts to framing, and other specialty items as shown to receive other Work.

E. Steel Roof Framing Coating System:

1. Surface Preparation: SSPC SP-6.
2. Type: Epoxy / Polyurethane
3. Shop Prime Coat: Apply two coats to a dry-film thickness of 8 mils; 66 Hi-Build Expoxoline or engineer approved equivalent. Do not shop prime the following surfaces, unless indicated otherwise:
 - a. Faying surfaces of slip critical bolted connections.
 - b. Within 2 inches of field-welded connections.
 - c. Steel members to be completely encased in reinforced concrete or coated with cementitious fireproofing.
4. Finish Coat: One coat of 5 mil dry-film thickness; Tnemec Series 73, 74, or 75 Endura-Shield or approved equivalent.
5. Total dry film thickness of system shall be 13 mils.

F. Galvanizing:

1. Fabricate steel to be galvanized in accordance with ASTM A143, A384, and A385. Avoid fabrication techniques that could cause distortion or embrittlement of steel.
2. Remove welding slag, splatter, burrs, grease, oil, paint, lacquer, and other deleterious material prior to delivery for galvanizing.
3. Remove by blast cleaning or other methods surface contaminants and coatings not removable by normal chemical cleaning process in the galvanizing operation.
4. Hot-dip galvanize steel members, fabrications, and assemblies after fabrication in accordance with ASTM A123.
5. Hot-dip galvanize A325 bolts, nuts, washers, and hardware components in accordance with ASTM A153.
6. Oversize holes to allow for zinc alloy growth.
7. Shop assemble bolts, nuts, and washers with special lubricant and test in accordance with ASTM A325 and A563.
8. Galvanize components of bolted assemblies separately before assembly.

2.04 SOURCE QUALITY CONTROL

A. Welding:

1. Visually inspect fabrication welds in accordance with AWS D1.1, Section 6 and Table 6.1, Visual Inspection Acceptance Criteria.
2. An independent testing agency will be retained by CITY to perform the following inspection and testing of fabrication welds.
 - a. Groove welds:
 - 1) Radiographic (RT) or ultrasonic (UT) testing for 10 percent of randomly selected welds, unless otherwise indicated.
 - 2) Use RT only for butt joint groove welds.
 - b. Fillet welds larger than 5/16-inch: Liquid penetrant (PT) or magnetic particle (MT) for 10 percent of randomly selected welds, unless otherwise indicated.
 - c. All Welds: 100 percent visually inspected (VT).
3. The Certified Welding Inspector (CWI) shall perform inspection prior and during assembly, during welding, and after welding. CWI duties include:
 - a. Verifying conformance of specified job material and proper storage.
 - b. Monitoring conformance with approved Welding Procedure Specification.
 - c. Monitoring conformance of Welder/Welding Operator Performance Qualification.
 - d. Inspecting weld joint fit-up and in-process inspection.
 - e. Providing 100 percent visual inspection of all welds.
 - f. Supervising nondestructive testing personnel and evaluating test results.
 - g. Maintaining records and preparing report confirming results of inspection and testing comply with the Work.
4. Repair and retest rejected weld defects until sound weld metal has been deposited in accordance with appropriate welding codes.

B. Special inspection of fabrication process and shop welding will be provided by CITY as indicated on Drawings.

C. Hot-Dip Galvanizing:

1. An independent testing agency will be retained by CITY to inspect and test hot-dip galvanized fabricated items in accordance with ASTM A123 and A153.

2. Visually inspect and test for thickness and adhesion of zinc coating for minimum of three test samples from each lot in accordance with ASTM A123 and A153.
3. Reject and retest nonconforming articles in accordance with ASTM A123 and A153.

PART 3: EXECUTION

3.01 STEEL MEMBER ERECTION

- A. Meet requirements of AISC Specification for Structural Steel Buildings and AISC Code of Standard Practice for Steel Buildings and Bridges, with exceptions as specified.
- B. CONTRACTOR is responsible for design and installation of temporary bracing to support components as erection proceeds.
- C. Welded Connections:
 1. Welding and Fabrication by Welding: Conform to AWS D1.1 Structural Welding Code based on material and type of weld.
 2. Groove and Butt Joint Welds: Complete penetration, unless otherwise indicated.

3.02 ANCHOR BOLTS

- A. Coordinate installation of anchor bolts and other connectors required for securing structural steel to in-place work.
- B. Provide templates and other devices for presetting bolts and other anchors to accurate locations.
- C. Projection of anchor bolts beyond face of concrete and threaded length shall be adequate to allow for full engagement of all threads of hold-down nuts, adjustment of leveling nuts, washer thicknesses, and construction tolerances, unless indicated otherwise.
- D. Placement Tolerances:
 1. As required by AISC Code of Standard Practice for Steel Buildings and Bridges, unless indicated otherwise.
 2. Embedded anchor bolts shall not vary from the dimensions as shown on Drawings by more than the following:
 - a. Center to center of any two bolts within an anchor group: 1/8 inch.
 - b. Center to center of adjacent anchor bolt groups: 1/4 inch.
 - c. Variation from perpendicular to theoretical bearing surface: 1:50.

3.03 **SETTING BASES AND BEARING PLATES**

- A. Clean concrete and masonry bearing surfaces of bond reducing materials and roughen to improve bond to bearing surfaces.
- B. Clean bottom surface of base and bearing plates.
- C. Set loose and attached base plates and bearing plates for structural members on wedges, shims, leveling nuts, or other adjustable devices. Use leveling plates where indicated on Drawings.
- D. Tighten anchor bolts after supported members have been positioned and plumbed. Do not remove wedges or shims, but if protruding, cut off flush with edge of base or bearing plate prior to placing grout. Weld plate washers to base plates where indicated in Drawings.
- E. Grout Under Base plates: As specified in Section 03600, GROUT, prior to placing loads on structure.

3.04 **FIELD ASSEMBLY**

- A. Set structural frames accurately to lines and elevations shown.
- B. Clean bearing surfaces and other surfaces that will be in permanent contact before assembly.
- C. Align and adjust various members forming a part of a complete frame or structure before permanently fastening.
- D. Level and plumb individual members of structure within tolerances shown in AISC Code of Standard Practice for Steel Buildings and Bridges.
- E. Establish required leveling and plumbing measurements on mean operating temperature of structure. Make allowances for difference between temperature at time of erection and mean temperature at which structure will be completed and in service.
- F. Perform necessary adjustments to compensate for minor discrepancies in elevations and alignment.
- G. Provide additional field connection material as required by AISC Code of Standard Practice for Steel Buildings and Bridges.
- H. Splice members only where indicated and accepted on shop drawings.

3.05 **MISFITS AT BOLTED CONNECTIONS**

- A. Where misfits in erection bolting are encountered, immediately notify ENGINEER for approval of one of the following methods of correction:
 - 1. Ream holes that must be enlarged to admit bolts and use oversized bolts.

2. Plug weld misaligned holes and redrill holes to admit standard size bolts.
3. Drill additional holes in connection, conforming with AISC Standards for bolt spacing and end and edge distances, and add additional bolts.
4. Reject member containing misfit, incorrect sized, or misaligned holes and fabricate new member to ensure proper fit.

- B. Do not enlarge incorrectly sized or misaligned holes in members by burning or using a drift pin.

3.06 **MISFITS AT ANCHOR BOLTS**

- A. Resolve misalignments between anchor bolts and bolt holes in steel members in accordance with approved submittal.
- B. Do not flame cut to enlarge holes without prior approval of ENGINEER.

3.07 **GAS CUTTING**

- A. Do not use gas cutting torches in field for correcting fabrication errors in structural framing.
- B. Secondary members not under stress and concealed in finished structure may be corrected by gas cutting torches, if approved by ENGINEER.
- C. Finish flame-cut sections equivalent to sheared and punched appearance.

3.08 **REPAIR AND CLEANING**

- A. Immediately after erection, clean field welds, bolted connections, and abraded areas of shop primer.
- B. Remove and grind smooth tack welds, fit-up-lugs, and weld runoff tabs.
- C. Remove weld back-up bars and grind smooth where indicated on Drawings.
- D. Apply touchup paint primer by brush or spray of same thickness and material as that used in shop application and as specified in Section 09900, PAINTING.

3.09 **REPAIR OF DAMAGED HOT-DIP GALVANIZED COATING**

- A. Conform to ASTM A780.
- B. For minor repairs at abraded areas, use sprayed zinc conforming to ASTM A780.
- C. For flame cut or welded areas, use zinc-based solder, or zinc sticks, conforming to ASTM A780.
- D. Use magnetic gauge to determine that thickness is equal to or greater than base galvanized coating.

FIELD QUALITY CONTROL

A. Welded Connections:

1. Visually inspect field welds in accordance with AWS D1.1, Section 6 and Table 6.1, Visual Inspection Acceptance Criteria.
2. An independent testing agency will be retained by CITY to perform the following inspection and testing of field welds.
3. Unless otherwise specified, perform nondestructive testing (NDT) of welds at a spot testing frequency as shown below in accordance with the referenced welding codes. Perform ultrasonic on complete joint penetration groove welds that cannot be readily radiographed. In case there is a conflict the higher frequency level of NDT shall apply:
 - a. Complete Joint Penetration (CJP) Butt Joint Welds: 10 percent random Radiographic (RT).
 - b. Groove Welds:
 - 1) Radiographic (RT) or ultrasonic (UT) testing for 10 percent of randomly selected welds, unless otherwise indicated.
 - 2) Use RT only for butt joint groove welds.
 - c. Fillet Welds Larger Than 5/16 Inch: Liquid penetrant (PT) or magnetic particle (MT) testing for 10 percent of randomly selected welds, unless otherwise indicated.
 - d. Partial Joint Penetration (PJP) Groove Welds: 10 percent random PT or MT.
 - e. All Welds: 100 percent visually inspected (VT).
4. Weld Acceptance:
 - a. Visual Testing:
 - 1) Structural Pipe and Tubing: AWS D1.1, paragraph 6.9, Visual Inspection, Tubular Connections.
 - 2) All Other Structural Steel: AWS D1.1, paragraph 6.9, Visual Inspection, Statically Loaded Nontubular Connections.
 - 3) Stud Connections: AWS D1.1, paragraph 7.8.1.
 - b. Ultrasonic Testing: Perform UT of CJP groove welds in accordance with AWS D1.1, paragraph 6.13.3, Class R Indications.
 - c. Radiographic Testing: Perform RT of CJP butt joint welds in accordance with AWS D1.1, paragraph 6.12.1.
 - d. PT or MT:

- 1) Perform on fillet and PJP groove welds in accordance with AWS D1.1, paragraph 6.10.
 - 2) Acceptance shall be in accordance with VT standards specified above.
5. The CWI shall be present whenever field welding is performed. The CWI shall perform inspections prior and during assembly, during and after welding. CWI duties include:
- a. Verifying conformance of specified job material and proper storage.
 - b. Monitoring conformance with approved WPS.
 - c. Monitoring conformance of WPQ.
 - d. Inspecting weld joint fit-up and in-process inspection.
 - e. Providing 100 percent visual inspection of all welds.
 - f. Supervising nondestructive testing personnel and evaluating test results.
 - g. Maintaining records and preparing report confirming results of inspection and testing comply with the Work.
6. Repair and retest rejected weld defects until sound weld metal has been deposited in accordance with appropriate welding codes.
- B. Special inspection will be provided by City as indicated on Drawings.

END OF SECTION

SECTION 05300 METAL DECKING

PART 1: GENERAL

1.01 SCOPE OF WORK

Contractor shall furnish and install the metal decking product and all appurtenance complete, and shall coordinate all of the work hereunder with the related work specified in other Sections, in accordance with the requirements of the Contract Documents.

1.02 RELATED SECTIONS

Section 05120 Structural Steel

1.03 REFERENCES

A. Codes: All codes, as referenced herein

AISI	Specifications for the Design of Cold-Formed Steel Structural Members: American Iron and Steel Institute
ASTM A 653	Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM A 780	Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.
ASTM A 924	Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
DOD P-21035A	Paint, High Zinc Dust Content, Galvanizing Repair (metric); US Department of Defense

B. SDI Publication No. 27: Steel Deck Institute Design Manual for Composite Decks, Form Decks, Roof Decks and Cellular Metal Floor Deck with Electrical Distribution; Steel Deck Institute, Inc.

C. Manufacturers' Standards: In addition to the standards listed above, the metal deck products and their installation shall be in accordance with the manufacturer's published recommendations, specifications and I.C.C. report.

1.04 ACTION SUBMITTALS

A. Decking Submittal:

1. Provide a layout plan of decking showing type and section properties of the deck panel, reinforcing channels, pans, special jointing, and accessories.
2. Location of the openings, deck laps, and deck attachment details.

1.05 **SUBMITTALS FOR INFORMATION**

- A. The manufacturer's specifications, literature, published installation instructions and current I.C.C. report for metal decking product shall be submitted to the ENGINEER.
- B. Operation manuals for mechanical fastener installation tools.

1.06 **QUALITY ASSURANCE**

- A. Comply with the requirements of the following, except where exceeded by the Contract Documents or requirements of governing authorities:
 - 1. AISI "Specifications for the Design of Cold-Formed Steel Structural Members"
 - 2. SDI "Steel Deck Institute Design Manual for Composite Decks, Form Decks, Roof Decks and Cellular Metal Floor Deck with Electrical Distribution"

1.07 **DELIVERY, STORAGE, AND HANDLING**

- A. Delivery of Materials: Manufactured materials shall be delivered in original, unbroken packages, containers, or bundles bearing the name of the manufacturer.
- B. Storage: Separate sheets and store units on dry wood sleepers, sloped to promote drainage. Cover metal decking panels with waterproof material, ventilate to avoid condensation.

PART 2: PRODUCTS

2.01 **MATERIALS**

- A. Metal deck material shall conform to ASTM A 653, Structural Quality grade 33 or higher. See drawings for gauge of deck panel.
- B. Galvanizing of the metal deck shall conform to ASTM A 924, G90 coating as defined in ASTM A653.
- C. Galvanized surface repair shall be in conformance with Federal Specification DOD P-21035A.
- D. Acceptable Manufacturers: Roof deck design is based on the following products.
 - 1. Steel Roof Deck:
 - a. Verco; PLB-36 (1 ½" deep)
 - b. Approved equal

2.02 **ACCESORIES**

- A. Provide pour stops, column closures, end closures, cover plates, girder fillers, ridge plates, finish strips, reinforcing channels, and other accessories required for complete installation.
- B. Accessories shall comply with requirements of SDI and deck manufacturer.

2.03 **MECHANICAL FASTENERS**

- A. Pneumatic Driven Fasteners:
 - 1. Pneumatic driven steel deck fasteners with corrosion-resistance finish.
 - 2. Manufacturers and Product:
 - a. Pneutek, Hudson NH; Pneutek K66075
 - b. Approved equal
- B. Powder Actuated Fasteners:
 - 1. Powder driven steel deck fasteners with corrosion-resistance finish.
 - 2. Manufacturers and Product:
 - a. Hilti, Inc., Tulsa OK; X-HSN 24 Metal Deck Fasteners
 - b. Approved equal

2.04 **METAL DECK SIDELAP AND DECK END CONNECTION**

- A. Deck Sidelap connection shall be PunchLok II System – Verco Sidelap Connection 2 (VSC2)
- B. Deck panel ends shall be connected with a lap-type connection. Butt-type panel ends connection is not allowed.

PART 3: EXECUTION

3.01 **GENERAL**

- A. The installation shall conform to applicable codes and the manufacturer's published or written recommendations, specifications, and published installation instructions for the type of deck being installed. Work shall be coordinated with the work of other trades.
- B. The roofing work shall be performed by an installer authorized by the roofing system manufacturer.
- C. Contractor shall investigate the support framing and the conditions under which decking work is to be performed. Any unsatisfactory conditions shall be addressed prior to starting this work.

3.02 **INSTALLATION**

- A. Decking shall be oriented perpendicular to the framing members.
- B. Side seams shall be tight fitting and secured together in accordance with the Contract Documents.
- C. No damaged pieces of decking shall be installed.

END OF SECTION

SECTION 07411 METAL ROOF PANELS

PART 1: GENERAL

1.01 SUMMARY

A. Section Includes: Factory-formed sheet metal roofing, including flashings and trim.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. ASTM A653/A653M Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM A792/A792M Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy Coated by the Hot Dip Process.
3. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
4. ASTM D2247 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
5. ASTM E1680 Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen.
6. ASTM E1646 Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.
7. ASTM G90 Standard Practice for Performing Accelerated Outdoor Weathering of Non-Metallic Materials Using Concentrated Natural Sunlight.
8. ASTM D 2244 - Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates.
9. ASTM D 4214 - Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
10. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials
11. ASTM E 1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.

12. ASTM E 2140 - Standard Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head.

B. Underwriters Laboratories (UL):

1. UL 263 - Fire Tests of Building Construction and Materials.
2. 580 - Tests for Uplift Resistance of Roof Assemblies.
3. UL 790 - Standard Test Methods for Fire Tests of Roof Coverings.
4. UL 2218 - Impact Resistance of Prepared Roof Covering Materials.

C. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA);
"Architectural Sheet Metal Manual"

E. California Building Code

1.03 **ADMINISTRATIVE REQUIREMENTS**

A. Pre-installation Meetings:

1. Schedule meeting to discuss roof project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements before start of work onsite.
2. Required attendees: Contractor, metal deck & roof installer, and any other subcontractors who have equipment penetrating the roof or work that requires roof access or traffic.

1.04 **SYSTEM DESCRIPTION**

A. Performance Requirements: Provide sheet metal roofing which has been manufactured, fabricated and installed to withstand structural and thermal movement, wind loading and weather exposure to maintain manufacturer's performance criteria without defects, damage, failure or infiltration of water.

1. Air infiltration: Maximum 0.06 cfm per lineal foot (0.33 m³/hr per linear meter) of seam at static pressure of 6.24 psf (3.0 kPa) when tested per ASTM E1680.
2. Water penetration:
 - a. No uncontrolled water penetration through the joints at a static pressure of 6.24 psf (3.0 kPa) when tested in accordance with ASTM E1646.
3. Fire rating: Class A
4. Uplift Tests:

- a. UL 580 Class 90
 - b. ASTM E 1592 (1.5", 2" & 3")
5. Class 4 Impact Resistance: UL 2218
6. Fire Resistance: UL 263
7. ICC-ES: ESL 1082

B. Finish Performance Requirements:

- 1. Two coat coil applied, baked on full strength (70% resin, PVF2) fluorocarbon coating consisting of a nominal 0.25 mil dry film thickness primer, and a nominal dry film thickness of 0.7 -0.8 mil color coat for a total 0.9 to 1.1 mil total system dry film thickness.
- 2. Color change and fade resistance: No cracking, peeling, blistering or loss of adhesion when tested in accordance with ASTM G23; color change, after removal of surface deposits such as dirt or chalk, maximum 5 NBS units.
- 3. Humidity resistance: No blistering, peeling or loss of adhesion after 1000 hours testing, in accordance with ASTM D2247.

1.05 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit manufacturer's product data for specified products.
- C. LEED Submittal Documentation:
 - 1. Product Test Reports for applicable sustainable sites credits: For roof panels, indicating that panels comply with solar reflectance index requirement.
 - 2. Product Data for applicable materials and resources credits: Indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content. Contractor to provide a statement indicating cost for each product having recycled content.
- D. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors and textures.
 - 1. Indicate layout of roofing panels and roof panel sizes, including custom-fabricated roofing panels if indicated; indicate each item of trim and accessories.
 - 2. Indicate in detailed drawings profile and gauge of interior and exterior sheets, and locations and types of fasteners; indicate locations, gauges, shapes and methods of attachment of roofing panels, trim and accessory items.
 - 3. Include Sealant location and denote those that are factory and field applied.

4. Indicate products/materials required for construction activities and field worked conditions of this section not supplied by manufacturer of products of this section.
- E. Samples: Submit selection and verification samples for finishes, colors and textures.
1. Selection Samples: For each product requiring color selection, 2 sets of manufacturer's sample chips representing full range of colors and finishes available.
 2. Verification Samples: For each color and finish selected, 2 chips indicating match to selected color and finish.
- F. Warranties:
1. Substrate Warranty
 2. Finish Warranty
 3. Weather Tightness Warranty (if applicable)
- G. Test and Evaluation Reports: Showing compliance with specified performance characteristics and physical properties.
- H. Quality Assurance Submittals: Submit the following:
1. Contractor Certificates: Contractor's certification that:
 - a. Manufacturer of products of this section meets specified qualifications.
 - b. Installer of products of this section meets specified qualifications.
 2. Manufacturer Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and physical requirements.
 3. Manufacturer's Instructions: Manufacturer's installation instructions.
 4. Manufacturer's Field Reports: Manufacturer's field reports if required.
- I. Closeout Submittals: Submit the following:
1. Warranty: Warranty documents specified herein.
- J. Buy American Certification: Manufacturer's letters of compliance indicating supplied products comply with requirements.

1.06 **QUALITY ASSURANCE**

A. Manufacturer Qualifications:

1. Provider of "hands on" installer training at manufacturer or customer facility.
2. Minimum of ten years' experience in manufacturing metal roof systems.

3. Provider of product produced in a permanent factory environment with fixed roll-forming equipment and also possesses the capability to roll form continuous panels on jobsites with a factory technician for jobs with panel lengths in excess of 50'

B. Installer Qualifications:

1. At least five years' experience in the installation of structural standing seam metal roof panels.
2. Experience on at least five projects of similar size, type and complexity as this project that have been in service for a minimum of two years with satisfactory performance of the roof system.
3. Employer of workers for this project who are competent in techniques required by manufacturer for installation indicated and who shall be supervised at all times when material is being installed.
4. Certificate: When requested, submit certificate indicating qualification.

C. Buy American Compliance: Materials provided under Work of this Section shall comply with the following requirements:

1. Buy American Act of 1933 BAA-41 U.S.C §§ 10a – 10d.
2. Buy American provisions of Section 1605 of the American Recovery and Reinvestment Act of 2009 (ARRA).

1.07 **DELIVERY, STORAGE & HANDLING**

A. General: Comply with Division 1 Product Requirements Sections.

1. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact. Identify fabricated components with UL 90 label where appropriate.

C. Delivery and Acceptance Requirements: Ensure all panels are received in good condition. In cases where damage is visible, note all paperwork; inform architect and project superintendent.

D. Packing, Shipping, Handling and Unloading:

1. Roofing panels to be crated to protect panels from shipping damage.
2. Package trim and accessories in waterproof wrapping paper.

E. Storage and Protection: Store materials protected from exposure to harmful conditions. Store material in dry, above-ground location.

1. Stack prefinished material to prevent twisting, bending, abrasion, scratching and denting. Elevate one end of each skid to allow for moisture runoff.
2. Store products of this section in manufacturer's unopened packaging until installation of products
3. Maintain dry, heated storage area for products of this section until installation of products.
4. Remove strippable plastic film before storage under high-heat conditions.

1.08 **PROJECT CONDITIONS**

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements, fabrication schedule with construction progress to avoid construction delays.
- B. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed in accordance with manufacturers' written instructions and warranty requirements.

1.09 **WARRANTY**

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
 1. Panel Material: Furnish manufacturers 25 year warranty covering the panel against rupture, structural failure, or perforation.
 2. Panel Coating: Furnish manufacturer's 40-year warranty covering cracking, checking, and peeling, and 30 year warranty covering fade and chalk on the Two coat coil applied, baked on full strength (70% resin, PVF2) fluorocarbon coating.
 - a. Manufacturer's warranty may exclude surface deterioration due to physical damage and corrosive environments.
- B. Special Warranty: Installer's standard form in which installer agrees to repair or replace panels that fail due to poor workmanship or faulty installation within the specified warranty period.
 1. Warranty Period: 10 years from date of Substantial Completion.

PART 2: PRODUCTS

2.01 METAL ROOF PANELS

- A. Manufacturer: McElroy Metal, Inc.

1. Contact: 1500 Hamilton Rd., Bossier City, LA 71111; Telephone: (800) 950-6531; Fax: (318) 747-8099; E-mail: info@mcelroymetal.com; website: www.mcelroymetal.com.
2. Proprietary Products: McElroy Metal Preformed Sheet Metal Roofing Panels.

B. Substitutions:

1. Basis of Design Product: Subject to compliance with requirements provide McElroy Metal Medallion Lok
2. Substitution Limitations
 - a. Requests for approval must be submitted in writing at least ten (10) days prior to bid date, and are accompanied by all related test reports and design calculations listed in section 1.4 and Design and Performance criteria Section 2.2.
 - b. Substitute manufacturers will be approved by written addendum to all bidders. Voluntary alternates will not be considered. Substitutions will not be permitted after the bid date of this project.
 - c. Roof panels proposed for substitution shall fully comply with specified requirements in appearance, assembly, and performance.

- C. Forming: Use continuous end rolling method. No end laps are permitted on panels without architect approval. No portable rollforming machines will be permitted on this project, no installer—owner or installer-rented machines will be permitted. It is the intent of the Architect to provide factory-manufactured panel systems only for this project.

2.02 MANUFACTURED UNITS

A. McElroy Metal Medallion-Lok Panels:

1. Profile: Vertical leg standing seam panel with male/female seams that are interlocked via snapping during installation.
2. Size: 1.75” high seam by 16” width; Length as indicated on drawings.
3. Panel Surface: Striated
4. Material: Galvalume steel sheet conforming to ASTM A792, AZ55 coating for bare; AZ50 coating for painted; 24 standard gauge sheet thickness.

2.03 METAL ROOF PANEL ACCESSORIES

- A. General: Provide complete metal roof panel assembly incorporating trim, copings, fasciae, gutters and downspouts, and miscellaneous flashings. Provide required fasteners, closure strips, support plates, and sealants as indicated in manufacturer's written instructions.
- B. Flashing and Trim: Match material, thickness, and finish of metal panel face sheet.

- C. Panel Clips: ASTM A 653/A 653M, G90 (Z180) hot-dip galvanized zinc coating, configured for concealment in panel joints, and identical to clips utilized in tests demonstrating compliance with performance requirements.
- D. Panel Fasteners: Self-tapping screws and other acceptable corrosion-resistant fasteners recommended by roof panel manufacturer. Where exposed fasteners cannot be avoided, supply fasteners with EPDM or neoprene gaskets, with heads matching color of metal panels by means of factory-applied coating.
- E. Joint Sealers: Manufacturer's standard or recommended liquid and preformed sealers and tapes, and as follows:
 - 1. Factory-Applied Seam Sealant: Manufacturer's standard hot-melt type.
 - 2. Tape Sealers: Manufacturer's standard non-curing butyl tape, AAMA 809.2.
 - 3. Concealed Joint Sealant: Non-curing butyl, AAMA 809.2.
- F. Steel Sheet Miscellaneous Framing Components: ASTM C 645, with ASTM A 653/A 653M, G60 (Z180) hot-dip galvanized zinc coating.

2.04 FABRICATION

- A. General: Provide factory fabricated and finished metal panels and accessories meeting performance requirements, indicated profiles, and structural requirements.
- B. Fabricate metal panel joints configured to accept factory-applied sealant providing weathertight seal and preventing metal-to-metal contact and minimizing noise resulting from thermal movement.
- C. Form panels in continuous lengths for full length of detailed runs, except where otherwise indicated on approved shop drawings.
- D. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions, approved shop drawings, and project drawings. Form from materials matching metal panel substrate.

2.05 FINISHES

- A. Two coat coil applied, baked on full strength (70% resin, PVF2) fluorocarbon coating consisting of a nominal 0.25 mil dry film thickness primer, and a nominal dry film thickness of 0.7 -0.8 mil color coat for a total 0.9 to 1.1 mil total system dry film thickness. Finish to be selected from manufacturer's standard color selection. The back side of the material should be 0.25 mil primer and a 0.25 mil polyester wash coat.
 - 1. Roof Panel Color:
 - a. City to Select from full range of manufacturer's standard colors.
 - 2. Roof Related Trim/Accessories Color:

- b. City to select from full range of manufacturer's standard colors.

2.06 SOURCE QUALITY

- A. Source Quality: Obtain metal panel products from a single manufacturer.
- B. Quality Control: Obtain standing seam metal roof panels, trim and other accessories from a manufacturer capable of providing on-site technical support and installation assistance.

PART 3: PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, recommendations and installation instructions for substrate verification, preparation requirements and installation.
 - 1. Strippable Film: Remove manufacturer's protective film, if any, from surfaces of roofing panels.
- B. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
 - 1. Verification of Conditions:
 - a. Panel support systems are ready for construction activities of this section and within specified tolerances.
 - b. Rough-in utilities are in correct locations.
 - 2. Installer's Examination:
 - a. Have installer of this section examine conditions under which construction activities of this section are to be performed, then submit written notification if such conditions are unacceptable.
 - b. Transmit 2 copies of installer's report to Architect within 24 hours of receipt.
 - c. Delay construction activities of this section until unacceptable conditions have been corrected.
 - d. Beginning construction activities of this section indicates installer's acceptance of conditions.

3.02 PREPARATION

- A. Coordination: Coordinate metal roofing with other work to provide a noncorrosive and leak-proof installation.
 - 1. Install substrate boards, hat channels, purlins, or furring channels in accordance with manufacturer's recommendations.

2. Coordinate work, with installation of other associated work, to ensure quality application.
3. Coordinate work with installation of associated metal flashings and building walls.
4. Coordinate work to minimize foot traffic and construction activity on installed finished surfaces.
5. Coordinate location of pipe penetrations to allow centering of pipe in panel.
6. Coordinate location of roof curbs, to allow proper integration with roof panel.
7. Coordinate work to minimize foot traffic and construction activity on installed finished. surfaces.
8. Dissimilar Metals: Prevent galvanic action of dissimilar metals.

3.03 INSTALLATION

- A. General: Install metal roofing panels to profiles, patterns and drainage indicated and required for leak-proof installation. Provide for structural and thermal movement of work. Seal joints for leak-proof installation.
1. Shim or otherwise plumb substrates receiving metal panels.
 2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws.
 3. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
 4. Install screw fasteners in predrilled holes for clip installation.
 5. Locate and space fasteners in uniform vertical and horizontal alignment.
 6. Install flashing and trim as metal panel work proceeds.
 7. Install continuous length panels.
 8. Align bottoms of metal panels and fasten with blind rivets, bolts, or self-tapping screws.
 9. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 10. Provide weathertight EPDM Flashing for pipe- and conduit-penetrating panels.
 11. Seams: Provide uniform, neat seams.
 12. Fix panels at location depicted on reviewed shop drawings.
 13. Allow for required panel clearance at penetrations for thermal movement.
 14. Align pipe penetrations to occur at center of roof panel. Report and have corrected improperly placed penetrations before proceeding with panel installation. Remove and replace roof panels which have improperly placed penetration flashings.
 15. Allow for required panel clearance at penetrations for thermal movement.
 16. Fasteners: Conceal fasteners where possible in exposed work. Cover and seal fasteners and anchors for watertight and leak-proof installation.
 17. Sealant-Type Joints: Provide sealant-type joint where indicated. Form joints to conceal sealant. Comply with Division 7 Joint Sealants Section for sealant installation.

B. Roofing Installation:

1. Install roofing plumb, true and in correct alignment with structural framing, in accordance with shop drawings and manufacturer's printed installation instructions.
2. Install roofing using manufacturer's concealed fastening system or non-corroding fasteners color-matched to panel.
3. Install trim using concealed fasteners where possible; sight-exposed non-corroding fasteners color-matched to trim are permitted on vertical surfaces only.

C. Installation Tolerances:

1. Variation from Plumb: Maximum 1/8" (3.2 mm) in 20 feet (6.096 m).
2. Variation from Level: Maximum 1/8" (3.2 mm) in 20 feet (6.096 m).
3. Variation from True Plane: Maximum 1/4" (3.2 mm) in 20 feet (6.096 m).

D. Underlayment Installation

1. Underlayment to be supplied by metal roof panel manufacturer.
2. Self-adhered High-Temperature Underlayment: Provide self-adhering, cold-applied, sheet underlayment, a minimum of 40 mils thick adhesive, with release-paper backing. Provide primer when recommended by underlayment manufacturer.
3. Thermal Stability: Stable after testing at 240 degree F; ASTM D1970.
4. Low-Temperature Flexibility: Passes after testing at minus 20 degree F; ASTM D1970.
5. Supplied by metal roof panel manufacturer.

E. Accessory Installation: Install accessories using techniques recommended by manufacturer and which will assure positive anchorage to building and weathertight mounting. Provide for thermal movement. Coordinate installation with flashings and other components

1. Substrate boards
 - a. General: As indicated in the Drawings

F. Flashing and Trim Installation: Comply with performance requirements, manufacturer's written installation instructions, and the SMACNA "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and install units to true level. Install work with laps, joints, and seams that will be permanently watertight.

G. Metal Roof Curbs: .063 minimum thickness welded aluminum, or 18 gauge minimum welded stainless steel, factory-insulated, with integral cricket, and designed to fit roof panel module, sized to meet specification.

3.04 **FIELD QUALITY REQUIREMENTS**

- A. Site Tests: (Post-Installation Testing): Owner reserves right to perform post-installation testing of installed metal panel installation.

3.05 **CLEANING**

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas.
- B. Repair or replace damaged installed products.
- C. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance.
- D. Remove construction debris from project site and legally dispose of debris.
- E. Remove strippable coating and perform dry wipe-down cleaning of panels as erected.

3.06 **PROTECTION**

- A. Protection: Protect installed product's finish surfaces from damage during construction:
 - 1. Protect installed products from damage by subsequent construction activities.
 - 2. Replace products having damage other than minor finish damage.
 - 3. Repair products having minor damage to finish in accordance with panel Manufacturer's recommendation
 - 4. Architect shall be sole judge of acceptability of repair to damaged finishes; replace products having rejected repairs

END OF SECTION

SECTION 07620
SHEET METAL FLASHING AND TRIM

PART 1: GENERAL

1.01 SECTION INCLUDES

- A. Fabricated sheet metal items, including flashings and counter flashings.
- B. Sealants for joints within sheet metal fabrications.

1.02 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels; 2013.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- D. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2012).
- E. CDA A4050 - Copper in Architecture - Handbook; current edition.
- F. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

1.03 SUBMITTALS

- A. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.

1.04 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.
- B. Maintain one copy of each document on site.
- C. Fabricator and Installer Qualifications: Company specializing in sheet metal work with Five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B. Prevent contact with materials that could cause discoloration or staining.

PART 2: PRODUCTS

3.01 SHEET MATERIALS

- A. Galvanized Steel: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 24 gage, (0.0239 inch) (0.61 mm) thick base metal.
- B. Pre-Finished Galvanized Steel: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 24 gage, (0.0239) inch (0.61 mm) thick base metal, shop pre-coated with PVDF coating.
 - 1. PVDF (Polyvinylidene Fluoride) Coating: Superior Performance Organic Finish, AAMA 2605; multiple coat, thermally cured fluoropolymer finish system.
 - 2. Color: As selected by Architect from manufacturer's custom colors.

3.02 ACCESSORIES

- A. Fasteners: Galvanized steel, with soft neoprene washers.
- B. Primer: Zinc chromate type.
- C. Protective Backing Paint: Zinc molybdate alkyd.
- D. Sealant to be Concealed in Completed Work: Non-curing butyl sealant.
- E. Sealant to be Exposed in Completed Work: 1; elastomeric sealant, 100 percent silicone with minimum movement capability of plus/minus 25 percent and recommended by manufacturer for substrates to be sealed; clear.
- F. Plastic Cement: 1, Type I.

3.03 FABRICATION

- A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B. Form pieces in longest possible lengths.
- C. Hem exposed edges on underside 1/2 inch (13 mm); miter and seam corners.
- D. Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.
- E. Fabricate corners from one piece with minimum 18 inch (450 mm) long legs; seam for rigidity, seal with sealant.
- F. Fabricate vertical faces with bottom edge formed outward 1/4 inch (6 mm) and hemmed to form drip.

PART 3: EXECUTION

3.01 EXAMINATION

- A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.
- B. Verify roofing termination and base flashings are in place, sealed, and secure.

3.02 PREPARATION

- A. Install starter and edge strips, and cleats before starting installation.
- B. Install surface mounted reglets true to lines and levels, and seal top of reglets with sealant.
- C. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil (0.4 mm).

3.03 INSTALLATION

- A. Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted..
- B. Apply plastic cement compound between metal flashings and felt flashings.
- C. Fit flashings tight in place; make corners square, surfaces true and straight in planes, and lines accurate to profiles.

3.04 FIELD QUALITY CONTROL

- A. Inspection will involve surveillance of work during installation to ascertain compliance with specified requirements.

END OF SECTION

SECTION 07900 JOINT SEALERS

PART 1: GENERAL

1.01 SECTION INCLUDES

- A. Sealants and joint backing.

1.02 REFERENCE STANDARDS

- A. ASTM C834 - Standard Specification for Latex Sealants; 2014.
- B. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2012.
- C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- D. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.
- E. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2005 (Reapproved 2010).
- F. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with other sections referencing this section.

1.04 SUBMITTALS

- A. Product Data: Provide data indicating sealant chemical characteristics.
- B. Manufacturer's Installation Instructions: Indicate special procedures.

1.05 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document covering installation requirements on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- C. Applicator Qualifications: Company specializing in performing the work of this section with minimum three years documented experience and approved by manufacturer.

1.06 MOCK-UP

- A. Construct mock-up with specified sealant types and with other components noted.

- B. Mock-up may remain as part of the Work.

1.07 **FIELD CONDITIONS**

- A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.08 **WARRANTY**

- A. Correct defective work within a five year period after Date of Substantial Completion.
- B. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2: PRODUCTS

2.01 **MANUFACTURERS**

- A. Gunnable and Pourable Sealants:
 - 1. Adhesives Technology Corporation: www.atc.ws.
 - 2. BASF Construction Chemicals-Building Systems: www.buildingsystems.basf.com.
 - 3. Bostik Inc: www.bostik-us.com.
 - 4. ARDEX Engineered Cements: www.ardexamericas.com.
 - 5. Dow Corning Corporation: www.dowcorning.com.
 - 6. Hilti, Inc: www.us.hilti.com.
 - 7. Momentive Performance Materials, Inc (formerly GE Silicones): www.momentive.com.
 - 8. Pecora Corporation: www.pecora.com.
 - 9. The QUIKRETE Companies: www.quikrete.com.
 - 10. Tremco Global Sealants: www.tremcosealants.com.
 - 11. Sherwin-Williams Company: www.sherwin-williams.com.
 - 12. Sika Corporation: www.usa-sika.com.
 - 13. W.R. Meadows, Inc: www.wrmeadows.com.

2.02 **SEALANTS**

- A. Sealants and Primers - General: Provide products having volatile organic compound (VOC) content as specified in Section 016116.

- B. General Purpose Exterior Sealant: Polyurethane; ASTM C920, Grade NS, Class 25 minimum; Uses M, G, and A; single component.
1. Color: To be selected by CITY from manufacturer's standard range.
 2. Applications: Use for:
 - a. Control, expansion, and soft joints in masonry.
 - b. Joints between concrete and other materials.
 - c. Joints between metal frames and other materials.
 - d. Other exterior joints for which no other sealant is indicated.
 3. Polyurethane Products:
 - a. BASF Construction Chemicals-Building Systems; -: www.buildingsystems.basf.com.
 - b. Sherwin-Williams Company; Stampede-1/-TX Polyurethane Sealant: www.sherwin-williams.com.
 - c. Sherwin-Williams Company; Stampede 1H Hybrid Sealant: www.sherwin-williams.com.
 - d. Sherwin-Williams Company; Stampede 2NS Polyurethane Sealant: www.sherwin-williams.com.
 - e. Sika Corporation; Sikaflex-1a: www.usa-sika.com.
 - f. Sika Corporation; Sikaflex-15 LM: www.usa-sika.com.
 - g. Sika Corporation; Sikaflex-2c NS EZ Mix: www.usa-sika.com.
 - h. Substitutions: Approved equal.
- C. General Purpose Interior Sealant: Acrylic emulsion latex; ASTM C834, Type OP, Grade NF single component, paintable.
1. Color: To be selected by CITY from manufacturer's standard range.
 2. Applications: Use for:
 - a. Interior wall and ceiling control joints.
 - b. Joints between door and window frames and wall surfaces.
 - c. Other interior joints for which no other type of sealant is indicated.

3. Products:
 - a. Sherwin-Williams Company; White Lightning 3006 Siliconized Acrylic Latex Caulk: www.sherwin-williams.com.
 - b. Sherwin-Williams Company; 850A Acrylic Latex Caulk: www.sherwin-williams.com.
 - c. Sherwin-Williams Company; 950A Siliconized Acrylic Latex Caulk: www.sherwin-williams.com.
 - d. Sherwin-Williams Company; Bolt Quickdry Siliconized Acrylic Latex Caulk: www.sherwin-williams.com.
 - e. Sherwin-Williams Company; Powerhouse Siliconized Acrylic Latex Sealant: www.sherwin-williams.com.
 - f. Substitutions: Approved equal.
- D. Nonsag Tamper-Resistant Sealant: ASTM C920, Grade NS, Class 12-1/2, Uses M, G, and A; single or multi- component.
 1. Type: Polyurethane.
 2. Color: To be selected by CITY from manufacturer's standard range.
 3. Applications: Use for the following joints in secure areas.
 - a. Interior wall and ceiling control joints.
 - b. Joints between door and window frames and wall surfaces.
 - c. Other interior joints for which no other type of sealant is indicated.
 4. Products:
 - a. Pecora Corporation; DynaFlex Flexible Polyurethane Security Sealant: www.pecora.com.
 - b. Pecora Corporation; DynaFlex SC Polyurethane STPU Security Sealant: www.pecora.com.
 - c. Substitutions: Approved equal.
- E. Acoustical Sealant for Concealed Locations:
 1. Composition: Acrylic latex emulsion sealant.
 2. Applications: Use for concealed locations only:

- a. Sealant bead between top stud runner and structure and between bottom stud track and floor/concrete slab.
- 3. Products:
 - a. Hilti, Inc.; CP 506 Smoke and Acoustical Sealant: www.us.hilti.com.
 - b. Hilti, Inc.; CP 572 Smoke and Acoustical Spray Sealant: www.us.hilti.com.
 - c. Substitutions: Approved equal.
- F. Self-leveling or Non-sag Silicone Sealant: ASTM D5893, Type S, Grade NS or P, Class 100/50 minimum; Uses T, A, G, M, O; single component, neutral curing, non-bleeding.
 - 1. Color: To be selected by CITY from manufacturer's standard range.
 - 2. Products:
 - a. Sika Corporation; Sikasil 728NS: www.usa-sika.com.
 - b. Sika Corporation; Sikasil 728SL: www.usa-sika.com.
 - c. Substitutions: Approved equal.
- G. Nonsag Hybrid Silicone Sealant: ASTM C920, Type S, Grade NS, Class 50, Uses NT, A, G, M, O; single component, moisture-cured, non-sagging, non-bleeding.
 - 1. Color: White.
 - 2. Movement Capability: Plus 50 percent, minus 50 percent.
 - 3. Products:
 - a. Sika Corporation; SikaHyflex-150 LM: www.usa-sika.com.
 - b. Substitutions: Approved equal.

2.03 ACCESSORIES

- A. Primer: Non-staining type, recommended by sealant manufacturer to suit application.
- B. Joint Cleaner: Non-corrosive and non-staining type, recommended by sealant manufacturer; compatible with joint forming materials.
- C. Joint Backing: Round foam rod compatible with sealant; ASTM D1667, closed cell PVC; oversized 30 to 50 percent larger than joint width.
- D. Bond Breaker: Pressure sensitive tape recommended by sealant manufacturer to suit application.

PART 3: EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.
- B. Verify that joint backing and release tapes are compatible with sealant.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean and prime joints in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Protect elements surrounding the work of this section from damage or disfigurement.
- E. Exposed Concrete Joints: Test joint filler in inconspicuous area of concrete. Verify specified product does not stain or discolor concrete.

3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Perform acoustical sealant application work in accordance with ASTM C919.
- D. Install bond breaker where joint backing is not used.
- E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags.
- F. Apply sealant within recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- G. Tool joints concave.
- H. Concrete Joint Filler: Install concrete joint filler per manufacturer's written instructions. After joint filler is fully cured, shave joint filler flush with top of concrete.

3.04 CLEANING

- A. Clean adjacent soiled surfaces.

3.05 PROTECTION

- A. Protect sealants until cured.

END OF SECTION

**SECTION 15870
EXHAUST VENTILLATION FAN**

PART 1: GENERAL

1.01 SCOPE OF WORK

Contractor shall furnish and install the roof mounted exhaust ventilation fan, thermostat, and all related electrical and controls as required herein and elsewhere to provide a complete working exhaust ventilation system.

1.02 REFERENCES

ANSI/AMCA 210	Laboratory Methods of Testing Fans for Rating.
ANSI/AMCA 330	Laboratory Methods of Testing In-Duct Sound Power Measurement Procedure for Fans.
ANSI/AFBMA 9	Ball Bearings, Load Ratings and Fatigue Life for.
ANSA/AFBMA 11	Roller Bearings, Load Ratings and Fatigue Life for.
AMCA 300	Test Code for Sound Rating.
AMCA 301	Methods for Calculating Fan Sound Ratings from Laboratory Test Data.
NEC	National Electric Code
NEMA	National Electric Manufacturers Association
UBC	Uniform Building Code
UL	Underwriter's Laboratories, Inc.

1.03 SUBMITTALS

- A. Product catalogue cut sheets indicating selected size, application, materials of construction, and options.
- B. Manufacturer's installation instructions.
- C. Operation and Maintenance information in accordance with Section 01730 "Operating and Maintenance Manual".
- D. Submit in accordance with Front End documents.

PART 2: MATERIALS

2.01 ROOF VENTILLATION FAN

- A. The direct drive centrifugal roof exhaust fan shall have the following performance: 2,500 cfm @ 0.125 SP, 3/4 hp, 1495 RPM, 115 volts, 60 hertz single phase motor.

- B. Fans shall be listed by UL and rated in accordance with AMCA and bear the AMCA certified rating seal.
- C. The fan housing shall be constructed of spun aluminum. The fan wheels shall be backward inclined, centrifugal type (non-overloading) and constructed of aluminum. The fan shall be provided with single piece windband. Each wheel shall be statically and dynamically balanced. The bearing and drive components shall be isolated from the air stream. The motor cover shall be easily removed for service.
- D. Motors shall be located out of the air stream with a aluminum motor cover. Fan shafts shall be ground, and polished steel sized so that the first critical speed is at least 25% over the maximum operating speed. The unit shall be provided with heavy duty pillow block bearings that are 100% factory tested and are designed for all handling applications with a minimum (L50) life more than of 500,000 hours.
- E. The drive shall be sized for a minimum of 150% of drive horsepower. The unit shall be provided with a NEMA 1 disconnect switch. A disconnect device/switch shall be factory installed and wired from the fan motor to the motor compartment.
- F. The unit shall be coated per the manufacturer's recommendations.

2.02 CONTROL

- A. Ventilator shall be controlled by a remote programable thermostat.
- B. If thermostat location is not shown on Plans, Contractor shall propose a location, submit, and obtain approval for the location at no additional cost.

2.03 PAINTING

Paint exposed surfaces of fans per Section 09900, "Painting and Coating".

2.04 ACCEPTABLE MANUFACTURERS

Greenheck Model No. 140 CUBE
Approved equivalent

PART 3: EXECUTION

3.01 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in manufacturer's original unopened containers and packaging, with labels clearly indicating manufacturer, material, products included and location of installation.
- B. Store materials in a dry area indoors, protected from damage and in accordance with manufacturer's instructions. For long term storage follow manufacturer's installation, operations, and maintenance manual.

- C. Handle and lift fans in accordance with the manufacturer's instructions. Protect materials and finishes during handling and installation to prevent damage. Follow all safety warning posted by the manufacturer.
- D. Protect equipment from dust and atmospheric exposure.
- E. Provide temporary closures for equipment openings designed for air flow.

3.02 EXAMINATION

- A. Take measurements and verify dimensions to ascertain fit of installation.
- B. Ascertain that support and openings are correctly located.

3.03 PREPARATION

Before installation remove dust and debris from equipment and ducts. During installation and until equipment is operated, protect equipment and ducts from dust and debris by covering openings.

3.04 INSTALLATION

- A. Adjust alignment of ducts where necessary to resolve conflicts with architectural features or to resolve conflicts with the work of other trades.
- B. Install and wire unit fans and controls in accordance with manufacturer's recommendations.

3.05 FIELD QUALITY CONTROL

- A. Test equipment and installation to verify that tightness, operation, and unit vibration is within manufacturer's submitted limits.
- B. Test equipment performance for air flow.

END OF SECTION

SECTION 16010 GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This section includes general requirements for materials and installation of the electrical system.
- B. The Contractor shall furnish all labor, supervision, tools, equipment, and materials necessary for a tested and working electrical system as indicated on the Plans and hereinafter specified. All systems shall be electrically connected into a complete and fully operational and tested system made ready for satisfactory use. The electrical system shall include all items not specifically mentioned in these Specifications or indicated on the Drawings or accepted Shop Drawings, but which are obviously necessary to make a complete working installation, at no additional cost to the Owner
- C. The electrical plans are diagrammatic, approximately to scale. However, they shall not be used for exact locations. The Contractor shall verify all dimensions from the detailed drawings and approved shop drawings and shall coordinate these dimensions with the actual field conditions. Actual distances, locations, and elevations shall be governed by field conditions.

1.02 SUBMITTALS

- A. Complete fabrication, assembly, and installation drawings; wiring and schematic diagrams; and details, specifications, and data covering the materials used and the parts, devices, and accessories forming a part of the equipment furnished shall be submitted in accordance with the submittal section.
- B. Submittal data shall be grouped and submitted in three separate stages. The submittal for each stage shall be substantially complete. Individual drawings and data sheets submitted at random intervals will not be accepted for review. Equipment tag numbers indicated on the contract drawings shall be referenced in submittals where applicable. Submittal data for multifunctional instruments shall include complete descriptions of the intended functions and configurations of the instruments.
 - 1. First-Stage Submittal:
 - a. Product catalog cut sheets clearly marked to show the model number, optional features, and intended service of the device; and
 - b. A detailed list of any exceptions, functional differences, or discrepancies between the supplier's proposed system and the contract requirements.
 - 2. Second-Stage Submittal:
 - a. Complete panel fabrication drawings and details of panel wiring, piping, and painting. Panel and subpanels drawings shall include overall dimensions, metal thickness, door swing, mounting details, and front of panel

arrangement to show general appearance, with spacing and mounting height of instruments and control devices.

- b. System wiring and installation drawings for all interconnection wiring between components of the systems furnished and for all interconnecting wiring between the related equipment and the equipment furnished under this section. Wiring diagrams shall show complete circuits and indicate all connections.
- c. If panel terminal designations, device interconnections, device features and options, or other features are modified as a result of the fabrication process or factory testing, revised drawings shall be resubmitted.
- d. At the supplier's option and for projects with very few fabrication drawings, the first-stage and second-stage submittals may be combined.

3. Third-Stage Submittal:

- a. Complete system documentation, in the form of operation and maintenance manuals, shall be provided. Manuals shall include complete product instruction books for each item of equipment furnished.
- b. Where instruction booklets cover more than one specific model or range of instrument, product data sheets shall be included which indicate the instrument model number, calibrated range, and all other special features. A complete set of "as-built" wiring, fabrication, and interconnection drawings shall be included with the manuals.

C. Submit AutoCAD (latest version) format digital drawing files for all shop drawings in addition to hard copy requirements.

D. Short Circuit, Coordination and Arc Flash Study Report

1.03 REGULATORY AGENCIES AND STANDARDS

A. Regulatory Agencies: Installations, materials, equipment, and workmanship shall conform to the applicable provisions of the following agencies (latest version):

- 1. American National Standards Institute (ANSI)
- 2. American Society of Testing and Materials (ASTM)
- 3. Institute of Electrical and Electronics Engineers (IEEE)
- 4. Insulated Cable Engineers Association (ICEA)
- 5. International Electrical Testing Association (NETA)
- 6. National Electrical Contractors Association (NECA)
- 7. National Electrical Manufacturers Association (NEMA)
- 8. National Fire Protection Association (NFPA)
- 9. State Department of Industrial Safety (CAL/OSHA)

- 10. Underwriters' Laboratories (UL)
 - a. Materials, appliances, equipment, and devices shall conform to the applicable UL standards. The label of, or listing by UL is required wherever applicable.
- 11. Local authorities having lawful jurisdiction pertaining to the work required.
- B. Standards: Where referenced in these specifications or on the drawings, the latest publications and standards shall apply:
 - 1. NFPA 70 National Electrical Code (NEC)
 - 2. California Building Code (CBC)
- C. In case of difference between the building codes, Drawings, Specifications, state law, local ordinances, industry standards, utility company regulations, fire insurance carrier's requirements, and the Contract Documents, the most stringent shall govern. The Contractor shall promptly notify the Engineer in writing of such differences.

1.04 QUALITY ASSURANCE

- A. Materials, appliances, equipment, and devices shall conform to the applicable Underwriters' Laboratories, Inc. (UL) standards. The label of, or listing by, UL is required for all electrical equipment.
- B. Installation of all electrical work shall be in conformance with the requirements specified herein and the latest edition, at the time of bid, of the following:
 - 1. NFPA 70, National Electrical Code (NEC)
 - 2. State of California Construction Safety Order (CAL/OSHA)
 - 3. ANSI C2, National Electrical Safety Code (NESC)
 - 4. Applicable codes of local authorities having lawful jurisdiction pertaining to the work required.

1.05 WARRANTIES

- A. Prior to final payment, compile manufacturer's written warranties for each major piece of equipment and develop a summary table identifying the date the piece of equipment were turned over to the Owner and the date the warranty expires. Include warranties and summary table with warranty letter to the Owner.

PART 2 - PRODUCTS

2.01 GENERAL

- A. All materials and equipment shall be suitable for the location for which they are installed in.
- B. Similar materials and equipment shall be the product of a single manufacturer.
- C. Provide only products which are new, undamaged, and in the original cartons or containers.

- D. Materials and equipment shall be the standard products of manufacturers regularly engaged in the production of such materials and shall be the manufacturer's current design.
- E. Materials and equipment shall be suitable for storage, installation, and operation in an ambient of 0°C to 50°C except where more stringent conditions are stated in individual equipment specifications.
- F. Electrical equipment and panels shall be factory finished with manufacturer's standard primer and enamel topcoats, unless stated otherwise in the individual equipment specifications. Provide 1 pint of the equipment manufacturer's touchup paint per 500 square feet of painted surface for repair of damaged enamel topcoats.

2.02 OPERATION, MAINTENANCE, AND REPAIR MANUALS

- A. The organization of the initial submittals as required by these contract documents shall be compatible to eventual inclusion as one volume of the operation, maintenance, and repair manuals.
- B. Prepare and submit to the Engineer six copies of operation manuals for preliminary review. When the Engineer is satisfied that these are complete and properly prepared, six final sets shall be delivered to the Owner.
- C. The complete operation manual shall contain all the information included in the preliminary equipment submittal, the detailed installation submittal, programming instructions, instructions for ordering replacement parts, and the additional information required herein, all bound in hard-cover binders and arranged for convenient use including tab sheets, all indexed and cross referenced, and all final as-built drawings.
- D. The operation manuals shall contain:
 1. Operating instructions written for the benefit of plant operating personnel for normal operational conditions;
 2. Calibration and maintenance instructions;
 3. Troubleshooting instructions; and
 4. Instructions for ordering replacement parts.

2.03 AS-BUILT DRAWINGS

- A. As-built drawings shall be submitted at the completion of work, which depict the final configuration of all installed equipment. All shop drawings shall be updated by the originator to "as-built" status. As-built drawings shall be provided to the Owner in both hard copy and digital formats. Digital format shall be AutoCAD (latest edition).
- B. The Contractor shall clearly indicate on as-built plans the following information:
 1. Locations and routing of all underground conduits exactly as installed.
 2. Forming, cabling, and identification of all power and control circuits within pull boxes and terminal boxes.
 3. All changes and/or deviations in locations, routing, or dimensions or additions to any part of the electrical work.

4. Interior views of each pull box identifying each conduit entrance by conduit number.
5. Complete and accurate wiring, schematic, and interconnecting wiring diagrams for all equipment supplied and all work performed.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. The drawings indicate connections for typical equipment only. If the equipment furnished is different from what is shown, provide the modifications necessary for a safe and properly operating installation in accordance with the equipment manufacturer's recommendations.
- B. The drawings indicate diagrammatically the desired location and arrangement of outlets, conduit runs, equipment, and other items. Field determine exact location based on physical size and arrangement of equipment, finished elevations, and obstructions.
- C. Work or equipment not indicated or specified which is necessary for the complete and proper operation of the electrical systems shall be accomplished without additional cost to the Owner.

3.02 PERFORMANCE TESTS

After the electrical installation is complete, test it to demonstrate that the entire system is in proper working order and in accordance with the drawings and specifications.

- Equipment start-up and performance test requirements are provided in the Special Provisions.

END OF SECTION

SECTION 16050

BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.01 SUMMARY

Includes conduit and equipment supports, nameplates, anchors, fasteners, wire markers, wall switches, and wall plates.

1.02 SYSTEM DESCRIPTION

- A. Identify Electrical components as follows:
 - 1. Nameplate for each electrical distribution and control equipment enclosure.
 - 2. Wire marker on both ends of each conductor at panelboard gutters, pull boxes, and outlet and junction boxes.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's catalog information for each wiring device.
- B. Product Data: Submit catalog data showing products with specified features.
- C. Product Data: Submit dimensions, ratings, and performance data.

PART 2 - PRODUCTS (not used)

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Drawings are diagrammatic only. Do not scale the electrical drawings for locations of any electrical, architectural, structural, civil, or mechanical items or features.
- B. Locate and install anchors, fasteners, and supports in accordance with NECA-1 "Standard Practice of Good Workmanship in Electrical Construction."
- C. Fabricate supports from nonmetallic members whenever possible. If loads warrant steel support, corrosion resistant stainless-steel members shall be used.

END OF SECTION

SECTION 16073
HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.01 **SUMMARY**

A. Section includes:

1. Hangers and supports for electrical equipment and systems.
2. Construction requirements for concrete bases and equipment pads.

1.02 **PERFORMANCE REQUIREMENTS**

- A. Delegated Design: Design supports for multiple raceways, including comprehensive engineering analysis by a qualified Professional Engineer, using performance requirements and design criteria indicated.
- B. Design supports for multiple raceways capable of supporting combined weight of supported systems and its contents.
- C. Design equipment supports capable of supporting combined operating weight of supported equipment and connected systems and components.
- D. Rated Strength: Adequate in tension, shear, and pullout force to resist maximum loads calculated or imposed for this Project, with a minimum structural safety factor of five times the applied force.

1.03 **ACTION SUBMITTALS**

- A. Product Data: For steel slotted support systems.
- B. Shop Drawings: Show fabrication and installation details and include calculations for the following:
 1. Trapeze hangers: Include Product Data for components.
 2. Steel slotted channel systems: Include Product Data for components.
 3. Equipment supports.

1.04 **INFORMATIONAL SUBMITTALS**

- A. Welding certificates

1.05 **QUALITY ASSURANCE**

- A. Welding: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel."
- B. Comply with NFPA 70.
- C. Seismic-Restraint to comply with latest IBC.

PART 2 - PRODUCTS

1.01 **SUPPORT, ANCHORAGE, AND ATTACHMENT COMPONENTS**

- A. Steel Slotted Support Systems: Comply with MFMA-4, factory-fabricated components for field assembly.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following or equal:
 - a. Allied Tube & Conduit
 - b. Cooper B-Line, Inc.; a division of Cooper Industries
 - c. Thomas & Betts Corporation
 - d. Unistrut; Tyco International, Ltd.
 - 3. Metallic Coatings: Hot-dip galvanized after fabrication and applied according to MFMA-4.
 - 4. Nonmetallic Coatings: Manufacturer's standard PVC, polyurethane, or polyester coating applied according to MFMA-4.
 - 5. Painted Coatings: Manufacturer's standard painted coating applied according to MFMA-4.
 - 6. Channel Dimensions: Selected for applicable load criteria.
 - B. Raceway and Cable Supports: As described in NECA 1 and NECA 101.
 - C. Conduit and Cable Support Devices: Steel and malleable-iron hangers, clamps, and associated fittings, designed for types and sizes of raceway or cable to be supported.
 - D. Support for Conductors in Vertical Conduit: Factory-fabricated assembly consisting of threaded body and insulating wedging plug or plugs for non-

armored electrical conductors or cables in riser conduits. Plugs shall have number, size, and shape of conductor gripping pieces as required to suit individual conductors or cables supported. Body shall be malleable iron.

- E. Structural Steel for Fabricated Supports and Restraints: ASTM A 36/A 36M, steel plates, shapes, and bars; black and galvanized.
- F. Mounting, Anchoring, and Attachment Components: Items for fastening electrical items or their supports to building surfaces include the following:
- G. Powder-Actuated Fasteners: Threaded-steel stud, for use in hardened concrete, steel, or wood, with tension, shear, and pullout capacities appropriate for supported loads and building materials where used.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Hilti Inc.
 - b. ITW Ramset/Red Head; a division of Illinois Tool Works, Inc.
 - c. MKT Fastening, LLC.
 - d. Simpson Strong-Tie Co., Inc.; Masterset Fastening Systems Unit
- H. Mechanical-Expansion Anchors: Insert-wedge-type, stainless steel, for use in hardened concrete with tension, shear, and pullout capacities appropriate for supported loads and building materials in which used.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Cooper B-Line, Inc.; a division of Cooper Industries
 - b. Hilti Inc.
 - c. ITW Ramset/Red Head; a division of Illinois Tool Works, Inc.
 - d. MKT Fastening, LLC.
- I. Concrete Inserts: Steel or malleable-iron, slotted support system units similar to MSS Type 18; complying with MFMA-4 or MSS SP-58.
- J. Clamps for Attachment to Steel Structural Elements: MSS SP-58, type suitable for attached structural element.
- K. Through Bolts: Structural type, hex head, and high strength. Comply with ASTM A 325.

- L. Toggle Bolts: All-steel springhead type.
 - M. Hanger Rods: Threaded steel.
- 1.02 **FABRICATED METAL EQUIPMENT SUPPORT ASSEMBLIES**
- A. Description: Welded or bolted, structural-steel shapes, shop or field fabricated to fit dimensions of supported equipment.

PART 3 - EXECUTION

1.01 APPLICATION

- A. Comply with NECA 1 and NECA 101 for application of hangers and supports for electrical equipment and systems except if requirements in this Section are stricter.
- B. Maximum Support Spacing and Minimum Hanger Rod Size for Raceway: Space supports for RMC as required by NFPA 70. Minimum rod size shall be 1/4 inch in diameter.
- C. Multiple Raceways or Cables: Install trapeze-type supports fabricated with steel slotted support system, sized so capacity can be increased by at least 25 percent in future without exceeding specified design load limits.
 - 1. Secure raceways and cables to these supports with two-bolt conduit.

1.02 SUPPORT INSTALLATION

- A. Comply with NECA 1 and NECA 101 for installation requirements except as specified in this Article.
- B. Strength of Support Assemblies: Where not indicated, select sizes of components so strength will be adequate to carry present and future static loads within specified loading limits. Minimum static design load used for strength determination shall be weight of supported components plus 200 lb.
- C. Mounting and Anchorage of Surface-Mounted Equipment and Components: Anchor and fasten electrical items and their supports to building structural elements by the following methods unless otherwise indicated by code:
 - 1. To Wood: Fasten with lag screws or through bolts.
 - 2. To New Concrete: Bolt to concrete inserts.
 - 3. To Masonry: Approved toggle-type bolts on hollow masonry units and expansion anchor fasteners on solid masonry units.
 - 4. To Existing Concrete: Expansion anchor fasteners.

5. Instead of expansion anchors, powder-actuated driven threaded studs provided with lock washers and nuts may be used in existing standard-weight concrete 4 inches thick or greater. Do not use for anchorage to lightweight-aggregate concrete or for slabs less than 4 inches thick.
 6. To Steel: Welded threaded studs complying with AWS D1.1/D1.1M, with lock washers and nuts.
 7. To Light Steel: Sheet metal screws.
 8. Items Mounted on Hollow Walls and Nonstructural Building Surfaces: Mount cabinets, panelboards, disconnect switches, control enclosures, pull and junction boxes, transformers, and other devices on slotted-channel racks attached to substrate by means that meet seismic-restraint strength and anchorage requirements.
- D. Drill holes for expansion anchors in concrete at locations and to depths that avoid reinforcing bars.

1.03 **INSTALLATION OF FABRICATED METAL SUPPORTS**

- A. Cut, fit, and place miscellaneous metal supports accurately in location, alignment, and elevation to support and anchor electrical materials and equipment.
- B. Field Welding: Comply with AWS D1.1/D1.1M.

1.04 **PAINTING**

- A. Touchup: Clean field welds and abraded areas of shop paint. Paint exposed areas immediately after erecting hangers and supports. Use same materials as used for shop painting. Comply with SSPC-PA 1 requirements for touching up field-painted surfaces.
 1. Apply paint by brush or spray to provide minimum dry film thickness of 2.0 mils.
- B. Galvanized Surfaces: Clean welds, bolted connections, and abraded areas and apply galvanizing-repair paint to comply with ASTM A 780.

END OF SECTION

SECTION 16075 ELECTRICAL IDENTIFICATION

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
1. Identification for raceways
 2. Identification of conductors and cables
 3. Underground-line warning tape
 4. Warning labels and signs
 5. Instruction signs
 6. Equipment identification labels
 7. Miscellaneous identification products

1.02 SYSTEM DESCRIPTION

- A. Identify Electrical components as follows:
1. Nameplate for each electrical distribution and control equipment enclosure.
 2. Wire marker on both ends of each conductor at panelboard gutters, pull boxes, and outlet and junction boxes.

1.03 REFERENCES

- 29 CFR 1910.144 Safety Color Code for Marking Physical Hazards
- 29 CFR 1910.145 Specifications for Accident Prevention Signs and Tags
- ANSI A13.1 Scheme for the Identification of Piping Systems
- ANSI Z535.1 Safety Colors
- ANSI Z535.2 Environmental and Facility Safety Signs
- ANSI Z535.3 Criteria for Safety Symbols
- ANSI Z535.4 Product Safety Signs and Labels
- ANSI Z535.5 Safety Tags and Barricade Tapes (for Temporary Hazards)

1.04 **ACTION SUBMITTALS**

Product Data: For each electrical identification product indicated.

1.05 **QUALITY ASSURANCE**

- A. Comply with ANSI A13.1.
- B. Comply with NFPA 70.
- C. Comply with 29 CFR 1910.144 and 29 CFR 1910.145.
- D. Comply with ANSI Z535.4 for safety signs and labels.
- E. Adhesive-attached labeling materials, including label stocks, laminating adhesives, and inks used by label printers, shall comply with UL 969.

PART 2 - PRODUCTS

2.01 **NAMEPLATES**

- A. Product Description: Engraved three-layer laminated plastic nameplate, white letters on black background.
- B. Letter Size:
 - 1. 1/8 inch letters for identifying individual equipment and loads.
 - 2. 1/4 inch letters for identifying grouped equipment and loads.

2.02 **POWER RACEWAY IDENTIFICATION MATERIALS**

- A. Comply with ANSI A13.1 for minimum size of letters for legend and for minimum length of color field for each raceway size.
- B. Colors for Raceways Carrying Circuits at 600 V or Less:
 - 1. Black letters on an orange field.
 - 2. Legend: Indicate voltage and system or service type.
- C. Self-Adhesive Vinyl Labels for Raceways Carrying Circuits at 600 V or Less: Pre-printed, flexible label laminated with a clear, weather- and chemical-resistant coating and matching wraparound adhesive tape for securing ends of legend label.
- D. Snap-Around Labels for Raceways Carrying Circuits at 600 V or Less: Slit, pre-tensioned, flexible, preprinted, color-coded acrylic sleeve, with diameter sized to suit diameter of raceway or cable it identifies and to stay in place by gripping action.

- E. Snap-Around, Color-Coding Bands for Raceways Carrying Circuits at 600 V or Less: Slit, pretensioned, flexible, solid-colored acrylic sleeve, 2 inches long, with diameter sized to suit diameter of raceway or cable it identifies and to stay in place by gripping action.
- F. Write-On Tags: Polyester tag, 0.015 inch thick, with corrosion-resistant grommet and cable tie for attachment to conductor or cable.
 - 1. Marker for Tags: Permanent, waterproof, black ink marker recommended by tag manufacturer.
 - 2. Marker for Tags: Machine-printed, permanent, waterproof, black ink marker recommended by printer manufacturer.

2.03 **ARMORED AND METAL-CLAD CABLE IDENTIFICATION MATERIALS**

- A. Comply with ANSI A13.1 for minimum size of letters for legend and for minimum length of color field for each raceway and cable size.
- B. Cable identification shall be placed at each end of the cable.
- C. Colors for Raceways Carrying Circuits at 600 V and Less:
 - 1. Black letters on an orange field.
 - 2. Legend: Indicate voltage and system or service type.
- D. Self-Adhesive Vinyl Labels: Preprinted, flexible label laminated with a clear, weather- and chemical-resistant coating and matching wraparound adhesive tape for securing ends of legend label.
- E. Self-Adhesive Vinyl Tape: Colored, heavy duty, waterproof, fade resistant; 2 inches wide; compounded for outdoor use.

2.04 **POWER AND CONTROL CABLE IDENTIFICATION MATERIALS**

- A. Comply with ANSI A13.1 for minimum size of letters for legend and for minimum length of color field for each raceway and cable size.
- B. Cable identification shall be placed at each end of the cable.
- C. Self-Adhesive Vinyl Labels: Preprinted, flexible label laminated with a clear, weather- and chemical-resistant coating and matching wraparound adhesive tape for securing ends of legend label.
- D. Write-On Tags: Polyester tag, 0.015 inch thick, with corrosion-resistant grommet and cable tie for attachment to conductor or cable.
 - 1. Marker for Tags: Permanent, waterproof, black ink marker recommended by tag manufacturer.
 - 2. Marker for Tags: Machine-printed, permanent, waterproof, black ink marker recommended by printer manufacturer.

- E. Snap-Around Labels: Slit, pretensioned, flexible, preprinted, color-coded acrylic sleeve, with diameter sized to suit diameter of raceway or cable it identifies and to stay in place by gripping action.
- F. Snap-Around, Color-Coding Bands: Slit, pretensioned, flexible, solid-colored acrylic sleeve, 2 inches long, with diameter sized to suit diameter of raceway or cable it identifies and to stay in place by gripping action.

2.05 **CONDUCTOR IDENTIFICATION MATERIALS**

- A. Color-Coding Conductor Tape: Colored, self-adhesive vinyl tape not less than 3 mils thick by 1 to 2 inches wide.
- B. Self-Adhesive Vinyl Labels: Preprinted, flexible label laminated with a clear, weather- and chemical-resistant coating and matching wraparound adhesive tape for securing ends of legend label.
- C. Marker Tapes: Vinyl or vinyl-cloth, self-adhesive wraparound type, with circuit identification legend machine printed by thermal transfer or equivalent process.
- D. Wire Markers: Tubing type wire markers with circuit or control wire number permanently stamped or printed.
- E. Write-On Tags: Polyester tag, 0.015 inch thick, with corrosion-resistant grommet and cable tie for attachment to conductor or cable.
 - 1. Marker for Tags: Permanent, waterproof, black ink marker recommended by tag manufacturer.
 - 2. Marker for Tags: Machine-printed, permanent, waterproof, black ink marker recommended by printer manufacturer.

2.06 **FLOOR MARKING TAPE**

2-inch wide, 5-mil pressure-sensitive vinyl tape, with black and white stripes and clear vinyl overlay.

2.07 **UNDERGROUND-LINE WARNING TAPE (NOT APPLICABLE)**

2.08 **WARNING LABELS AND SIGNS**

- A. Comply with NFPA 70 and 29 CFR 1910.145.
- B. Self-Adhesive Warning Labels: Factory-printed, multicolor, pressure-sensitive adhesive labels, configured for display on front cover, door, or other access to equipment unless otherwise indicated.
- C. Baked-Enamel Warning Signs:
 - 1. Preprinted aluminum signs, punched or drilled for fasteners, with colors, legend, and size required for application.
 - 2. 1/4-inch grommets in corners for mounting.

3. Nominal size, 7 by 10 inches.
- D. Metal-Backed, Butyrate Warning Signs:
1. Weather-resistant, nonfading, preprinted, cellulose-acetate butyrate signs with 0.0396-inch galvanized-steel backing; and with colors, legend, and size required for application.
 2. 1/4-inch grommets in corners for mounting.
 3. Nominal size, 10 by 14 inches.
- E. Warning label and sign shall include, but are not limited to, the following legends:
1. Multiple Power Source Warning: "DANGER - ELECTRICAL SHOCK HAZARD - EQUIPMENT HAS MULTIPLE POWER SOURCES."
 2. Workspace Clearance Warning: "WARNING - OSHA REGULATION - AREA IN FRONT OF ELECTRICAL EQUIPMENT MUST BE KEPT CLEAR FOR 36 INCHES."
 3. Arc-flash warning signs and protective PPE requirement if any.

2.09 **INSTRUCTION SIGNS**

- A. Coordinate this article with Drawings.
- B. Engraved, laminated acrylic or melamine plastic, minimum 1/16 inch thick for signs up to 20 sq. inches and 1/8 inch thick for larger sizes.
1. Engraved legend with black letters on white face.
 2. Punched or drilled for mechanical fasteners.
 3. Framed with mitered acrylic molding and arranged for attachment at applicable equipment.
- C. Adhesive Film Label: Machine printed, in black, by thermal transfer or equivalent process. Minimum letter height shall be 3/8 inch.
- D. Adhesive Film Label with Clear Protective Overlay: Machine printed, in black, by thermal transfer or equivalent process. Minimum letter height shall be 3/8 inch. Overlay shall provide a weatherproof and UV-resistant seal for label.

2.10 **EQUIPMENT IDENTIFICATION LABELS**

- A. Adhesive Film Label with Clear Protective Overlay: Machine printed, in black, by thermal transfer or equivalent process. Minimum letter height shall be 3/8 inch. Overlay shall provide a weatherproof and UV-resistant seal for label.
- B. Self-Adhesive, Engraved, Laminated Acrylic or Melamine Label: Adhesive backed, with white letters on a dark-gray background. Minimum letter height shall be 3/8 inch.

- C. Stenciled Legend: In nonfading, waterproof, black ink or paint. Minimum letter height shall be 1 inch.

2.11 MISCELLANEOUS IDENTIFICATION PRODUCTS

- A. Paint: Comply with requirements in painting Sections for paint materials and application requirements. Select paint system applicable for surface material and location (exterior or interior).
- B. Fasteners for Labels and Signs: Self-tapping, stainless-steel screws or stainless-steel machine screws with nuts and flat and lock washers.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Location: Install identification materials and devices at locations for most convenient viewing without interference with operation and maintenance of equipment.
- B. Cable and wire identification shall be placed at each end for each section of the cable or wire.
- C. Apply identification devices to surfaces that require finish after completing finish work.
- D. Self-Adhesive Identification Products: Clean surfaces before application, using materials and methods recommended by manufacturer of identification device.
- E. Attach signs and plastic labels that are not self-adhesive type with mechanical fasteners appropriate to the location and substrate.
- F. System Identification Color-Coding Bands for Raceways and Cables: Each color-coding band shall completely encircle cable or conduit. Place adjacent bands of two-color markings in contact, side by side. Locate bands at changes in direction, at penetrations of walls and floors, at 50-foot maximum intervals in straight runs, and at 25-foot maximum intervals in congested areas.
- G. Underground-Line Warning Tape: During backfilling of trenches install continuous underground-line warning tape directly above line at 6 to 8 inches below finished grade. Use multiple tapes where width of multiple lines installed in a common trench exceeds 16 inches overall.
- H. Painted Identification: Comply with requirements in painting Sections for surface preparation and paint application.

3.02 IDENTIFICATION SCHEDULE

- A. Accessible Raceways and Metal-Clad Cables, 600 V or Less, for Service, Feeder, and Branch Circuits More Than 30 A, and 120V to ground: Install labels at 10-foot maximum intervals.

- B. Accessible Raceways and Cables within Buildings: Identify the covers of each junction and pull box of the following systems with self-adhesive vinyl labels with the wiring system legend and system voltage. System legends shall be as follows:
 - 1. Emergency Power.
 - 2. Power.
 - 3. UPS.

- C. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor tape to identify the phase.
 - 1. Color-Coding for Phase and Voltage Level Identification, 600 V or Less: Use colors listed below for ungrounded feeder and branch-circuit conductors.
 - a. Colors for 208-240/120V Circuits:
 - i. Phase A: Black.
 - ii. Phase B: Red.
 - iii. Neutral: White.
 - b. Colors for 208/120V Circuits:
 - i. Phase A: Black.
 - ii. Phase B: Red.
 - iii. Phase C: Blue.
 - iv. Neutral: White.
 - c. Color shall be factory applied for size 8 AWG and smaller. Color shall be factory applied or field applied for sizes larger than 8 AWG.
 - d. Field-Applied, Color-Coding Conductor Tape: Apply in half-lapped turns for a minimum distance of 6 inches from terminal points and in boxes where splices or taps are made. Apply last two turns of tape with no tension to prevent possible unwinding. Locate bands to avoid obscuring factory cable markings.

- D. Install instructional sign including the color code for grounded and ungrounded conductors using adhesive-film-type labels.

- E. Auxiliary Electrical Systems Conductor Identification: Identify field-installed alarm, control, and signal connections.
 - 1. Identify conductors, cables, and terminals in enclosures and at junctions, terminals, and pull points. Identify by system and circuit designation.

2. Use system of marker tape designations that is uniform and consistent with system used by manufacturer for factory-installed connections.
 3. Coordinate identification with Project Drawings, manufacturer's wiring diagrams, and the Operation and Maintenance Manual.
- F. Workspace Indication: Install floor marking tape to show working clearances in the direction of access to live parts. Workspace shall be as required by NFPA 70 and 29 CFR 1926.403 unless otherwise indicated. Do not install at flush-mounted panelboards and similar equipment in finished spaces.
- G. Warning Labels for Indoor Cabinets, Boxes, and Enclosures for Power and Lighting: Self-adhesive warning labels or Baked-enamel warning signs.
1. Comply with 29 CFR 1910.145.
 2. Identify system voltage with black letters on an orange background.
 3. Apply to exterior of door, cover, or other access.
 4. For equipment with multiple power or control sources, apply to door or cover of equipment including, but not limited to, the following:
 - a. Power transfer switches.
 - b. Controls with external control power connections.
- H. Operating Instruction Signs: Install instruction signs to facilitate proper operation and maintenance of electrical systems and items to which they connect. Install instruction signs with approved legend where instructions are needed for system or equipment operation.
- I. Emergency Operating Instruction Signs: Install instruction signs with white legend on a red background with minimum 3/8-inch high letters for emergency instructions at equipment used for power transfer.
- J. Equipment Identification Labels: On each unit of equipment, install unique designation label that is consistent with wiring diagrams, schedules, and the Operation and Maintenance Manual. Apply labels to disconnect switches and protection equipment, central or master units, control panels, control stations, terminal cabinets, and racks of each system. Systems include power, lighting, control, communication, signal, monitoring, and alarm systems unless equipment is provided with its own identification.
1. Labeling Instructions:
 - a. Indoor Equipment: Self-adhesive, engraved, laminated acrylic or melamine label. Unless otherwise indicated, provide a single line of text with 1/2-inch high letters on 1-1/2-inch high label; where two lines of text are required, use labels 2 inches high.
 - b. Outdoor Equipment: Engraved, laminated acrylic or melamine label or stenciled legend 4 inches high.

- c. Elevated Components: Increase sizes of labels and letters to those appropriate for viewing from the floor.
- d. Unless provided with self-adhesive means of attachment, fasten labels with appropriate mechanical fasteners that do not change the NEMA or NRTL rating of the enclosure.

END OF SECTION

SECTION 16120 LOW VOLTAGE WIRE AND CABLE

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Building wires and cables rated 600 volts and less.
2. Connectors, splices, and terminations rated 600 volts and less.
3. Low voltage control cabling.
4. Control circuit conductors.
5. Shielded VFD power cable.

1.02 RELATED SECTIONS

Section 16010	General Electrical Requirements
Section 16130	Raceways and Boxes
Section 17010	Instrumentation and Controls Systems

1.03 REFERENCES

ANSI/UL 62	Flexible Cord and Fixture Wire
ANSI/UL 510	Insulating Tape
ASTM B3	Soft or Annealed Copper Wire
ASTM B8	Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
NECA 1	Standard Practice of Good Workmanship in Electrical Construction
NEMA WC 5	Thermoplastic Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy
NEMA WC 55	Instrumentation Cables and Thermocouple Wire
NEMA WC 57	Control Cables
NEMA WC 70	Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
UL 83	Thermoplastic-Insulated Wires and Cables

UL 486A-486B Wire Connectors

UL 486D Sealed Wire Connector Systems

1.04 ACTION SUBMITTALS

Product Data: For each conductor or cable type, indicate insulation material, conductor material, voltage rating, manufacturer and other data pertinent to the specific cable, such as type of shielding, number of conductors, and applicable standards.

1.05 INFORMATIONAL SUBMITTALS

- A. Source quality-control reports.
- B. Field quality control reports

1.06 CONDUCTOR APPLICATION

- A. Unless otherwise indicated, all conductors shall be stranded copper.
- B. Minimum Conductor Sizes:
 - 1. Power and Lighting Circuit Conductors: 12 AWG.
 - 2. Control Circuit Conductors:
 - a. Class 1 remote-control and signal circuits: 14 AWG.
 - b. Class 2 low-energy, remote-control, and signal circuits: 16 AWG.
 - c. Class 3 low-energy, remote-control, alarm, and signal circuits: 12 AWG.
- C. Feeders and Branch Circuits in Underground Conduit or concealed in ceilings, walls, partitions, and crawlspaces: Type THHN-2/THWN-2, single conductors in raceway.
- D. Exposed Feeders and Branch Circuits: Type XHHW-2, single conductors in raceway, Armored cable (Type AC), Metal-clad cable (Type MC), and Nonmetallic-sheathed cable (Type NM).
- E. Cord Drops and Portable Appliance Connections: Type SO, hard service cord with stainless-steel, wire-mesh, strain relief device at terminations to suit application.
- F. GROUNDING: COMPLY WITH REQUIREMENTS IN SECTION 16060 "GROUNDING AND BONDING."

1.07 QUALIFICATIONS

- A. Company specializing in manufacturing products specified in this section with a minimum of 3 years documented experience.

PART 2 - PRODUCTS

2.01 POWER CIRCUIT WIRE AND CABLE

- A. Wire and cable shall be listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Copper Conductors: Comply with NEMA WC 70/ICEA S-95-658.
- C. Conductor Insulation: Comply with NEMA WC 70/ICEA S-95-658 and UL 83 for Type THHN-2/THWN-2.
- D. Multiconductor Cable: Comply with NEMA WC 70/ICEA S-95-658 for armored cable, metal-clad cable, and nonmetallic-sheathed cable with ground wire.
- E. Acceptable Manufacturers: Subject to compliance with requirements, provide power circuit wire and cable by one of the following, or approved equal:
 - 1. General Cable
 - 2. Houston Wire & Cable Company
 - 3. Okonite
 - 4. Southwire

2.02 CONTROL CIRCUIT CONDUCTORS

- A. General: Control Circuit Conductors shall be stranded copper, 600 volts, Type TC rated for cable tray use. Cable shall be UL listed.
- B. Multi-Conductor Control Cable: Cable shall consist of multi-conductor 14 AWG color-coded copper conductors, type MC, cross-linked polyethylene (XLPE) insulation, listed for cable tray use, 90°C continuous rating, 130°C emergency rating, rated 600 volts, aluminum sheath, sunlight resistant, for cable tray use.
- C. Comply with UL 44.
- D. Acceptable Manufacturers: Subject to compliance with requirements, provide control circuit conductors by one of the following, or approved equal:
 - 1. Okonite, C-L-X Okoseal
 - 2. Belden CDT

2.03 LOW VOLTAGE SIGNAL CABLE

- A. Signal cable shall be provided for instrument signal transmission, alarm, communication and any circuit operating at less than 100 volts. Cables shall be color coded black and white (or clear) for pairs or black, white and red for triads. Circuit shielding shall be provided in addition to cable shielding. Circuits for type a and b signals as specified in Section 17010, shall be provided in compliance with the instrument manufacturer's recommendations.
- B. Single Analog Signal Cable: Cable shall consist of one pair or triad, 16 AWG conductors with 15 mils of 90 degree C polyvinylchloride (PVC) insulation, 4 mils

nylon conduit or jacket, twisted on a 2-inch lay, and covered with a 100 percent 1.35 mil aluminum-Mylar tape shield with 20 AWG 7-strand tinned copper drain wire and a 45 mil PVC jacket overall. Cable shall have corrugated aluminum sheath, be UL listed, Type TC, rated 300 volts.

- C. Multiple Analog Signal Cable: Cable shall consist of four or more pairs or triads which are made up of 16 AWG conductors with 15 mils of 90 degree C PVC insulation, 4 mils nylon jacket, twisted on a staggered lay 1-1/2 to 2-1/2 inches, and covered with a 100 percent 1.35 mil aluminum-Mylar tape shield with 22 AWG 7-strand tinned copper drain wire. Overall cable shield shall be 2.35 mil aluminum-Mylar tape with a 20 AWG 7-strand tinned copper drain wire. Cable shall have corrugated aluminum sheath, be UL listed, Type TC, 300 volts.
- D. Acceptable Manufacturers: Subject to compliance with requirements, provide low voltage signal cable by one of the following, or approved equal:
 - 1. Okonite, C-L-X Okoseal, TYPE P-OS/SP-OS rated 105C for CT
 - 2. Belden CDT

2.04 SHIELDED VFD POWER CABLE (N/A)

2.05 CONNECTORS AND SPLICES

- A. Description: Factory-fabricated connectors and splices of size, ampacity rating, material, type, and class for application and service indicated.
- B. Solid Conductors: use 3M "Scotchlok", Ideal "Super Nut," Buchanan B-Cap, or equal.
- C. Stranded Conductors No. 8 and Larger: Use T & B "Lock-Tie" connectors, Burndy Versitaps and heavy-duty connectors, O.Z. solderless connectors, or equal.
- D. Control Wiring: Use crimp connectors with tools by same manufacturer and/or UL listed for connectors of all stranded conductors.
- E. Retighten bolt-type connectors 24 to 48 hours after initial installation and before taping. Tape connections made with noninsulated-type connectors with rubber type tape, one and one-half times the thickness of the conductor insulation, then cover with Scotch 33 tape.

PART 3 - EXECUTION

3.01 EXAMINATION

According to BICSI ITSIMM, telecommunications cables should be tested on receipt. Low-voltage wires and cables do not normally require testing before installation.

- A. Test cables on receipt at Project site.

3.02 PREPARATION

- A. Remove debris and moisture from the conduits, boxes, and cabinets prior to cable installation.
- B. Use manufacturer-approved pulling compound or lubricant where necessary; compound used must not deteriorate conductor or insulation. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.

3.03 INSTALLATION

- A. Comply with NECA 1 and NFPA 70.
- B. All wire and cable shall be installed in raceway unless otherwise noted. Complete raceway installation between conductor and cable termination points according to Section 16130 "Raceways and Boxes" prior to pulling wire and cable.
- C. Conceal cables not installed in raceway in finished walls, ceilings, and floors unless otherwise indicated.
- D. Use pulling means, including fish tape, cable, rope, and basket-weave wire/cable grips, that will not damage cables or raceway.
- E. Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.
- F. Support cables according to Section 16073 "Hangers and Supports for Electrical Systems."
 - 1. Terminate all conductors; no cable shall contain unterminated elements. Make terminations only at indicated outlets and terminals.
 - 2. Secure and support cables at intervals not exceeding 30 inches and not more than 6 inches from cabinets, boxes, fittings, outlets, racks, frames, and terminals.
 - 3. Bundle, lace, and train conductors to terminal points without exceeding manufacturer's limitations on bending radii.
 - 4. Do not install bruised, kinked, scored, deformed, or abraded cable. Do not splice cable between termination, tap, or junction points. Remove and discard cable if damaged during installation and replace it with new cable.
 - 5. Pulling Cable: Comply with BICSI ITSIMM, Ch. 5, "Copper Structured Cabling Systems. Monitor cable pull tensions.
 - 6. Secure: Fasten securely in place with hardware specifically designed and installed so as to not damage cables.

3.04 REMOVAL OF WIRE AND CABLE

Remove abandoned wire and cable. Abandoned wires and cables are those installed that are not terminated at equipment and are not identified for future use with a tag.

3.05 CONNECTIONS

- A. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A-486B.
- B. Make splices, terminations, and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings than unspliced conductors.
- C. Wiring at Outlets: Install conductor at each outlet, with at least 6 inches of slack.

3.06 IDENTIFICATION

- A. Identify and color-code wires and cables according to Section 16075 "Electrical Identification."
- B. Identify each spare conductor at each end with identity number and location of other end of conductor, and identify as spare conductor.

3.07 SLEEVE AND SLEEVE-SEAL INSTALLATION FOR ELECTRICAL PENETRATIONS

Install sleeves and sleeve seals at penetrations of exterior floor and wall assemblies. Comply with requirements in Section 16130 "Raceways and Boxes."

3.08 FIELD QUALITY CONTROL

- A. After installing wires and cables and before electrical circuitry has been energized, test service entrance and feeder conductors for compliance with requirements.
- B. Perform each visual and mechanical inspection and electrical test stated in NETA Acceptance Testing Specification. Certify compliance with test parameters.
- C. Test and Inspection Reports: Prepare a written report to record the following:
 - 1. Procedures used.
 - 2. Results that comply with requirements.
 - 3. Results that do not comply with requirements and corrective action taken to achieve compliance with requirements.

3.09 SOURCE QUALITY CONTROL

- A. Cable will be considered defective if it does not pass tests and inspections.
- B. Prepare test and inspection reports.

END OF SECTION

SECTION 16130 RACEWAYS AND BOXES

PART 1: GENERAL

1.01 SUMMARY

A. Section Includes:

1. Conduit, tubing, and fittings
2. Wireways and auxiliary gutters
3. Surface raceways
4. Pull and junction boxes

1.02 RELATED SECTIONS

Section 16010 General Electrical Requirements

Section 16120 Low Voltage Wire and Cable

1.03 REFERENCES

ANSI C80.3 Electrical Metallic Tubing – Steel

ANSI C80.1 Electrical Rigid Steel Conduit

ANSI/SCTE 77 Specification for Underground Enclosure Integrity

NECA 1 Standard Practice of Good Workmanship in Electrical Construction

NECA 101 Standard for Installing Steel Conduits

NEMA FB 1 Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit and Cable Assemblies.

NEMA OS 1 Sheet-Steel Outlet Boxes, Device Boxes, Covers, and Box Supports.

NEMA OS 2 Nonmetallic Outlet Boxes, Device Boxes, Covers and Box Supports.

NEMA 250 Enclosures for Electrical Equipment (1000 Volts Maximum)

NEMA RN 1 Polyvinyl Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit.

NEMA RV 3 Application and Installation Guidelines for Flexible and Liquidtight Flexible Metal Conduits

NEMA TC 2 Electrical Plastic Tubing and Conduit (EPC-40 and EPC-80)

NEMA TC 3 PVC Fittings for Use with Rigid PVC Conduit and Tubing

UL 5	Surface Metal Raceways and Fittings
UL 5A	Nonmetallic Surface Raceways and Fittings
UL 6	Electrical Rigid Metal Conduit – Steel
UL 50	Enclosures for Electrical Equipment, Non-Environmental Considerations
UL 94	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
UL 360	Liquid-Tight Flexible Metal Conduit
UL 514A	Metallic Outlet Boxes
UL 514B	Conduit, Tubing, and Cable Fittings
UL 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
UL 651	Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
UL 797	Electrical Metallic Tubing – Steel
UL 1773	Termination Boxes

1.04 **ACTION SUBMITTALS**

Product Data: For conduits, surface raceways, wireways, fittings, boxes, and hinged-cover enclosures.

1.05 **INFORMATIONAL SUBMITTALS**

- A. Coordination Drawings: Conduit routing plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of items involved:
 - 1. Structural members in paths of conduit groups with common supports.
 - 2. HVAC and plumbing items and architectural features in paths of conduit groups with common supports.
- B. Seismic Qualification Certificates: For enclosures, cabinets, and conduit racks and their mounting provisions, including those for internal components, from manufacturer.

1.06 **ABBREVIATIONS**

Abbreviations of conduit types used in this Section and on the Drawings are listed below.

GRS	Galvanized rigid steel conduit
EMT	Electrical metallic tubing

EPC-40-PVC	Electrical plastic conduit, schedule 40 PVC
FMC	Flexible metal conduit
LFMC	Liquid-tight flexible metal conduit
PCS	PVC coated rigid steel conduit
PVC	Polyvinyl chloride
RNC	Rigid nonmetallic conduit

1.07 **DELIVERY, STORAGE, AND HANDLING**

- A. Protect conduit from corrosion and entrance of debris by storing above grade. Provide appropriate covering.
- B. Protect PVC and PCS conduit from sunlight.

1.08 **RACEWAY APPLICATION**

Apply raceway products as specified below unless otherwise indicated:

- A. Outdoors:
 - a. Exposed Conduit: GRS, PCS.
 - b. Connection to vibrating equipment, including transformers and hydraulic, pneumatic, electric solenoid, or motor driven equipment: LFMC.
 - c. Cabinets, Boxes, and Enclosures, above ground: NEMA 250, Type 3R.
- B. Indoors:
 - 1. Exposed, Not Subject to Physical Damage: PCS, GRS, EMT (for lighting only)
 - 2. Exposed and Subject to Physical Damage: PCS, GRS
 - 3. Concealed in Ceilings and Interior Walls and Partitions: GRS, EMT
 - 4. Connection to Vibrating Equipment, including transformers and hydraulic, pneumatic, electric solenoid, or motor driven equipment: LFMC.
 - 5. Damp or Wet Locations: PCS.
 - 6. Cabinets, Boxes, and Enclosures, above ground: NEMA 250, Type 1 for general indoor locations, Type 4 for damp or wet locations.
- C. Corrosive Locations, Indoors or Outdoors:
 - 1. Raceway: PCS
 - 2. Cabinets, Boxes, and Enclosures, above ground: NEMA 250, Type 4X stainless steel.
- D. Minimum Raceway Size: 3/4-inch.
- E. Raceway Fittings: Compatible with raceways and suitable for use and location.

1. Rigid and Intermediate Steel Conduit: Use threaded rigid steel conduit fittings unless otherwise indicated. Comply with NEMA FB 2.10.
2. PVC Externally Coated, Rigid Steel Conduits: Use only fittings listed for use with this type of conduit. Patch and seal all joints, nicks, and scrapes in PVC coating after installing conduits and fittings. Use sealant recommended by fitting manufacturer and apply in thickness and number of coats recommended by manufacturer.
3. EMT: Use setscrew, compression or steel cast-metal fittings. Comply with NEMA FB 2.10.
4. Flexible Conduit: Use only fittings listed for use with flexible conduit. Comply with NEMA FB 2.20.

F. Do not install aluminum conduits, boxes, or fittings in contact with concrete or earth.

G. Install surface raceways only where indicated on Drawings.

H. Do not use nonmetallic conduits for above ground installations.

I. Use PCS conduits for exposed conduits in vaults.

PART 2: PRODUCTS

2.01 METAL CONDUITS, TUBING, AND FITTINGS

- A. Listing and Labeling: Metal conduits, tubing, and fittings shall be listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. GRS: Comply with ANSI C80.1 and UL 6.

Manufacturers: Subject to compliance with requirements, provide products by one of the following, or approved equal:

- Allied Tube and Conduit
- Western Tube and Conduit
- Wheatland Tube Company

C. PCS:

1. Comply with NEMA RN 1.
2. Exterior Conduit Coating Thickness: 0.040 inch.
3. Interior Conduit Coating Thickness: 0.002 inch.
4. Manufacturers: Subject to compliance with requirements, provide products by one of the following, or approved equal:
 - a. Perma-Cote
 - b. Robroy Industries
 - c. Thomas & Betts Ocal

D. Electrical metallic tubing (EMT) (For lighting):

1. Comply with UL 797, UL 5, and ANSI C80.3 and is zinc coated steel.

- E. Flexible metal conduit (FMC) (Not Applicable):
- F. LFMC: Flexible steel conduit with PVC jacket and complying with UL 360.

Manufacturers: Subject to compliance with requirements, provide products by one of the following, or approved equal:
 - AFC Cable Systems
 - Electriflex
 - Southwire
- G. Fittings for metal conduit: Comply with NEMA FB 1 and UL 514B.
 - 1. Fittings for EMT:
 - a. Material: Steel or die cast.
 - b. Type: Setscrew or compression.
 - 2. Expansion Fittings: PVC or steel to match conduit type, complying with UL 651, rated for environmental conditions where installed, and including flexible external bonding jumper.
 - 3. Coating for PCS conduit fittings: Minimum thickness of 0.040 inch, with overlapping sleeves protecting threaded joints.
- H. Joint Compound for GRS: Approved, as defined in NFPA 70, by authorities having jurisdiction for use in conduit assemblies, and compounded for use to lubricate and protect threaded conduit joints from corrosion and to enhance their conductivity.

2.02 METAL WIREWAYS AND AUXILIARY GUTTERS

- A. Description: Sheet metal, complying with UL 870 and NEMA 250, Type 1, Type 3R, Type 4 and Type 12 unless otherwise indicated, and sized according to NFPA 70.
- B. Fittings and Accessories: Include covers, couplings, offsets, elbows, expansion joints, adapters, hold-down straps, end caps, and other fittings to match and mate with wireways as required for complete system.
- C. Solvent cements and adhesive primers shall have a VOC content of 510 and 550 g/L or less, respectively, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- D. Solvent cements and adhesive primers shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

2.03 SURFACE RACEWAYS

- A. Listing and Labeling: Surface raceways and tele-power poles shall be listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

- B. Surface Metal Raceways: PCS with snap-on covers complying with UL 5.
- C. Surface Nonmetallic Raceways: Two- or three-piece construction, complying with UL 5A, and manufactured of rigid PVC. Product shall comply with UL 94 V-0 requirements for self-extinguishing characteristics.

2.04 **BOXES**

- A. Cast-Metal Outlet and Device Boxes: Comply with NEMA FB 1, ferrous alloy, Type FD, with gasketed cover.
- B. Nonmetallic Outlet and Device Boxes: Comply with NEMA OS 2 and UL 514C.
- C. Luminaire Outlet Boxes: Nonadjustable, designed for attachment of luminaire weighing 50 pounds Outlet boxes designed for attachment of luminaires weighing more than 50 pounds shall be listed and marked for the maximum allowable weight.
- D. Cast-Metal Access, Pull, and Junction Boxes: Comply with NEMA FB 1 and UL 1773, galvanized, cast iron with gasketed cover.
- E. Box extensions used to accommodate new building finishes shall be of same material as recessed box.
- F. Device Box Dimensions: 4 inches square by 2-1/8 inches deep.
- G. Hinged-Cover Enclosures: Comply with UL 50 and NEMA 250, Type 1, Type 3R, Type 4 and Type 12 with continuous-hinge cover with flush latch unless otherwise indicated.
 - 1. Metal Enclosures: Steel, finished inside and out with manufacturer's standard enamel.
 - 2. Interior Panels: Steel; all sides finished with manufacturer's standard enamel.
- H. Hinged door in front cover with flush latch and concealed hinge.
- I. Key latch to match panelboards.
- J. Metal barriers to separate wiring of different systems and voltage.

PART 3: EXECUTION

3.01 **EXAMINATION AND PREPARATION**

- A. Verify outlet locations and routing and termination locations of raceway prior to rough-in.
- B. Coordinate mounting heights, orientation and locations of outlets mounted above counters, benches, and backsplashes.
- C. Arrange conduit stub-ups so curved portions of bends are not visible above finished floor or grade.

3.02 GENERAL RACEWAY INSTALLATION

- A. Install work in accordance with state and municipality standards. Comply with NECA 1 and NECA 101 for installation requirements except where requirements on Drawings or in this Section are more stringent. Comply with NFPA 70 limitations for types of raceways allowed in specific occupancies and number of floors.
- B. Ground and bond raceway and boxes in accordance with Section 16060 "Grounding and Bonding."
- C. Keep raceways at least 6 inches away from parallel runs of flues and steam or hot-water pipes. Install horizontal raceway runs above water and steam piping.
- D. Comply with requirements in Section 16073 "Hangers and Supports for Electrical Systems" for hangers and supports.
- E. Install no more than the equivalent of three 90-degree bends in any conduit run except for control wiring conduits, for which fewer bends are allowed.
- F. Support conduit within 12 inches of changes in direction. Support conduit within 12 inches of enclosures to which attached.
- G. Conceal conduit within finished walls, ceilings, and floors unless otherwise indicated. Install conduits parallel or perpendicular to building lines.
- H. Raceways Embedded in Slabs:
 - 1. Run conduit larger than 1-inch trade size, parallel or at right angles to main reinforcement. Where at right angles to reinforcement, place conduit close to slab support. Secure raceways to reinforcement at maximum 10-foot intervals.
 - 2. Arrange raceways to cross building expansion joints at right angles with expansion fittings.
 - 3. Do not embed threadless fittings in concrete.
 - 4. Change from Type EPC-40-PVC to PCS before rising above floor. Conduit risers out of slabs to be PCS.
- I. Stub-ups to Above Recessed Ceilings:
 - 1. Use PCS for raceways.
 - 2. Use a conduit bushing or insulated fitting to terminate stub-ups not terminated in hubs or in an enclosure.
- J. Threaded Conduit Joints, Exposed to Wet, Damp, Corrosive, or Outdoor Conditions: Apply listed compound to threads of raceway and fittings before making up joints. Follow compound manufacturer's written instructions.
- K. Coat field-cut threads on PVC-coated raceway with a corrosion-preventing conductive compound prior to assembly.

- L. Raceway Terminations at Locations Subject to Moisture or Vibration: Use insulating bushings to protect conductors including conductors smaller than 4 AWG.
- M. Terminate threaded conduits into threaded hubs or with locknuts on inside and outside of boxes or cabinets. Install bushings on conduits up to 1-1/4-inch trade size and insulated throat metal bushings on 1-1/2-inch trade size and larger conduits terminated with locknuts. Install insulated throat metal grounding bushings on service conduits.
- N. Install pull wires in empty raceways. Use polypropylene or monofilament plastic line with not less than 200-lb tensile strength. Leave at least 12 inches of slack at each end of pull wire.
- O. Surface Raceways:
 - 1. Install surface raceway with a minimum 2-inch radius control at bend points.
 - 2. Secure surface raceway with screws or other anchor-type devices at intervals not exceeding 48 inches and with no less than two supports per straight raceway section. Support surface raceway according to manufacturer's written instructions. Tape and glue are not acceptable support methods.
- P. Install raceway sealing fittings at accessible locations according to NFPA 70 and fill them with listed sealing compound. For concealed raceways, install each fitting in a flush steel box with a blank cover plate having a finish similar to that of adjacent plates or surfaces.
- Q. Install devices to seal raceway interiors at accessible locations. Locate seals so no fittings or boxes are between the seal and the following changes of environments. Seal the interior of all raceways at the following points:
 - 1. Where conduits pass from warm to cold locations, such as boundaries of refrigerated spaces.
 - 2. Where otherwise required by NFPA 70.
- R. Expansion-Joint Fittings:
 - 1. Install in each run of above ground conduit that is located where environmental temperature change may exceed 30 degrees and that has straight-run length that exceeds 25 feet.
 - 2. Install type and quantity of fittings that accommodate temperature change listed for each of the following locations:
 - a. Outdoor Locations Not Exposed to Direct Sunlight: 125°F temperature change.
 - b. Indoor Spaces Connected with Outdoors without Physical Separation: 125°F temperature change.
 - c. Attics: 135°F temperature change.
 - 3. Install fittings that provide expansion and contraction for at least 0.00041 inch per foot of length of straight run per degree F of temperature change for PVC conduits.

4. Install expansion fittings at all locations where conduits cross building or structure expansion joints.
 5. Install each expansion-joint fitting with position, mounting, and piston setting selected according to manufacturer's written instructions for conditions at specific location at time of installation. Install conduit supports to allow for expansion movement.
- S. Flexible Conduit Connections: Comply with NEMA RV 3. Use a maximum of 72 inches of flexible conduit for recessed and semi-recessed luminaires, equipment subject to vibration, noise transmission, or movement; and for transformers and motors.

3.03 **INSTALLATION OF ABOVE GRADE BOXES**

- A. Mount boxes at heights indicated on Drawings. Install boxes with height measured from finished floor or finished grade to bottom of box unless otherwise indicated. If mounting heights of boxes are not individually indicated, give priority to ADA requirements.
- B. Recessed Boxes in Masonry Walls: Saw-cut opening for box in center of cell of masonry block and install box flush with surface of wall. Prepare block surfaces to provide a flat surface for a raintight connection between the box and cover plate or the supported equipment and box.
- C. Horizontally separate boxes mounted on opposite sides of walls so they are not in the same vertical channel.
- D. Locate boxes so that cover or plate will not span different building finishes.
- E. Support boxes of three gangs or more from more than one side by spanning two framing members or mounting on brackets specifically designed for the purpose.
- F. Fasten junction and pull boxes to or support from building structure or stanchion. Do not support boxes by conduits.

3.04 **SLEEVE AND SLEEVE-SEAL INSTALLATION FOR ELECTRICAL PENETRATIONS**

Install sleeves and sleeve seals at penetrations of exterior floor and wall assemblies.

3.05 **PROTECTION**

Protect coatings, finishes, and cabinets from damage and deterioration.

- Repair damage to galvanized finishes with zinc-rich paint recommended by manufacturer.
- Repair damage to PVC coatings or paint finishes with matching touchup coating recommended by manufacturer.

END OF SECTION

SECTION 16511 INTERIOR LIGHTING

PART 1 - GENERAL

1.01 SUMMARY

Section Includes:

1. Interior luminaires, lamps, and ballasts.
2. Emergency lights.
3. Exit signs.
4. Luminaire supports.
5. Luminaire-mounted photoelectric relays

1.02 RELATED SECTIONS

Section 16521 Exterior Lighting

1.03 REFERENCES

UL 924 Standard for Emergency Lighting and Power Equipment

UL 935 Standard for Fluorescent-Lamp Ballasts

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of luminaire, arranged in order of luminaire designation. Include data on features, accessories, and finishes.
- B. Shop Drawings: Show details of nonstandard or custom luminaires. Indicate dimensions, weights, methods of field assembly, components, features, and accessories. Product Certificates: For each type of ballast for bi-level and dimmer-controlled luminaires, from manufacturer.

1.05 INFORMATIONAL SUBMITTALS

Field quality-control reports.

1.06 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Comply with NFPA 70.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with requirements, provide product indicated on Drawings, or approved equal.

2.02 GENERAL REQUIREMENTS FOR LUMINAIRES AND COMPONENTS

- A. Recessed Luminaires: Comply with NEMA LE 4 for ceiling compatibility for recessed luminaires.
- B. Metal Parts: Free of burrs and sharp corners and edges.
- C. Sheet Metal Components: Steel unless otherwise indicated. Form and support to prevent warping and sagging.
- D. Doors, Frames, and Other Internal Access: Smooth operating, free of light leakage under operating conditions, and designed to permit relamping without use of tools. Designed to prevent doors, frames, lenses, diffusers, and other components from falling accidentally during relamping and when secured in operating position.

2.03 LED EMERGENCY LIGHTS

- A. Twin LED lamp indoor emergency light with self-contained, modular, battery-inverter unit, factory mounted within luminaire body. Comply with UL 924.
- B. Housing: Impact-resistant, scratch-resistant, corrosion-proof thermoplastic. Full perimeter gasket seal between front and rear housing.
- C. Unit shall be rated for 50°C ambient operating temperature and UL listed for use in wet locations.
- D. Battery: Sealed, maintenance-free, nickel-cadmium.
- E. Charger: Fully automatic, solid-state type with sealed transfer relay.
- F. Operation: Relay automatically turns lamp on when power-supply circuit voltage drops to 80 percent of nominal voltage or below. Lamp automatically disconnects from battery when voltage approaches deep-discharge level. When normal voltage is restored, relay disconnects lamps from battery, and battery is automatically recharged and floated on charger.
- G. Test Push Button and Indicator Light: Visible and accessible without opening luminaire or entering ceiling space.

2.04 EXIT SIGNS (N/A)

2.05 LUMINAIRE SUPPORT COMPONENTS

- A. Comply with Section 16073 "Hangers and Supports for Electrical Systems" for channel- and angle-iron supports and nonmetallic channel and angle supports.

- B. Single-Stem Hangers: 1/2-inch steel tubing with swivel ball fittings and ceiling canopy. Finish same as luminaire.
- C. Twin-Stem Hangers: Two, 1/2-inch steel tubes with single canopy designed to mount a single luminaire. Finish same as luminaire.
- D. Rod Hangers: 3/16-inch minimum diameter, cadmium-plated, threaded steel rod.
- E. Hook Hangers: Integrated assembly matched to luminaire and line voltage and equipped with threaded attachment, cord, and locking-type plug.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Luminaires: Set level, plumb, and square with ceilings and walls. Install lamps in each luminaire.
- B. Comply with NFPA 70 for minimum luminaire supports.
- C. Suspended Luminaire Support:
 - 1. Pendants and Rods: Where longer than 48 inches, brace to limit swinging.
 - 2. Stem-Mounted, Single-Unit Luminaires: Suspend with twin-stem hangers.
 - 3. Continuous Rows: Use tubing or stem for wiring at one point and tubing or rod for suspension for each unit length of luminaire chassis, including one at each end.
- D. Air-Handling Luminaires: Install with dampers closed and ready for adjustment.
- E. Adjust aimable luminaires to provide required light intensities.
- F. Connect wiring according to Section 16120 "Low Voltage Wire and Cable."

3.02 FIELD QUALITY CONTROL

- A. Test for Emergency Lighting: Interrupt power supply to demonstrate proper operation. Verify transfer from normal power to battery and retransfer to normal.
- B. Prepare a written report of tests, inspections, observations, and verifications indicating and interpreting results. If adjustments are made to lighting system, retest to demonstrate compliance with standards.

END OF SECTION

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SECTION 16521 EXTERIOR LIGHTING

PART 1 - GENERAL

1.01 SUMMARY

Section Includes:

1. Exterior luminaires with lamps and ballasts.
2. Luminaire-mounted photoelectric relays.
3. Poles and accessories.

1.02 RELATED SECTIONS

Section 16511 Interior Lighting

1.03 REFERENCES

AAMA 611 Voluntary Specification for Anodized Architectural Aluminum

ANSI C78.42 Electric Lamps – High Pressure Sodium Lamps

ANSI C78.43 Electric Lamps – Single-Ended Metal Halide Lamps

IEEE C62.41.1 Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits

IEEE C62.41.2 Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and Less) AC Power Circuits

NFPA 70 National Electrical Code (NEC)

UL 773 Plug-In Locking Type Photocontrols for Use with Area Lighting

UL 773A Nonindustrial Photoelectric Switches for Lighting Control

UL 924 Standard for Emergency Lighting and Power Equipment

UL 1598 Luminaires

1.04 STRUCTURAL ANALYSIS CRITERIA FOR POLE SELECTION

- A. Dead Load: Weight of luminaire and its horizontal and vertical supports, lowering devices, and supporting structure, applied as stated in AASHTO LTS-4-M.
- B. Live Load: Single load of 500 lbf, distributed as stated in AASHTO LTS-4-M.
- C. Ice Load: Load of 3 lbf/sq. ft., applied as stated in AASHTO LTS-4-M Ice Load Map.
- D. Wind Load: Pressure of wind on pole and luminaire and banners and banner arms, calculated and applied as stated in AASHTO LTS-4-M.
 - 1. Basic wind speed for calculating wind load for poles 50 feet high or less is 100 mph.
 - a. Wind Importance Factor: 1.0.
 - b. Minimum Design Life: 50 years.
 - c. Velocity Conversion Factors: 1.0.

1.05 ACTION SUBMITTALS

- A. Product Data: For each luminaire, pole, and support component, arranged in order of lighting unit designation. Include data on features, accessories, and finishes.
- B. Shop Drawings: Anchor-bolt templates keyed to specific poles and certified by manufacturer.

1.06 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Comply with IEEE C2, "National Electrical Safety Code."
- C. Comply with NFPA 70.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Subject to compliance with requirements, provide product indicated on Drawings, or approved equal.

2.02 GENERAL REQUIREMENTS FOR LUMINAIRES

- A. Luminaires shall comply with UL 1598 and be listed and labeled for installation in wet locations by an NRTL acceptable to authorities having jurisdiction.

1. LER Tests Incandescent Fixtures: Where LER is specified, test according to NEMA LE 5A.
 2. LER Tests HID Fixtures: Where LER is specified, test according to NEMA LE 5B.
- B. Lateral Light Distribution Patterns: Comply with IESNA RP-8 for parameters of lateral light distribution patterns indicated for luminaires.
 - C. Metal Parts: Free of burrs and sharp corners and edges.
 - D. Sheet Metal Components: Corrosion-resistant aluminum unless otherwise indicated. Form and support to prevent warping and sagging.
 - E. Housings: Rigidly formed, weather- and light-tight enclosures that will not warp, sag, or deform in use. Provide filter/breather for enclosed luminaires.
 - F. Doors, Frames, and Other Internal Access: Smooth operating, free of light leakage under operating conditions, and designed to permit relamping without use of tools. Designed to prevent doors, frames, lenses, diffusers, and other components from falling accidentally during relamping and when secured in operating position. Doors shall be removable for cleaning or replacing lenses. Designed to disconnect ballast when door opens.
 - G. Exposed Hardware Material: Stainless steel.
 - H. Plastic Parts: High resistance to yellowing and other changes due to aging, exposure to heat, and UV radiation.
 - I. Light Shields: Metal baffles, factory installed and field adjustable, arranged to block light distribution to indicated portion of normally illuminated area or field.
 - J. Reflecting surfaces shall have minimum reflectance as follows unless otherwise indicated:
 1. White Surfaces: 85 percent.
 2. Specular Surfaces: 83 percent.
 3. Diffusing Specular Surfaces: 75 percent.
 - K. Lenses and Refractors Gaskets: Use heat- and aging-resistant resilient gaskets to seal and cushion lenses and refractors in luminaire doors.
 - L. Luminaire Finish: Manufacturer's standard paint applied to factory-assembled and -tested luminaire before shipping. Where indicated, match finish process and color of pole or support materials.
 - M. Factory-Applied Finish for Steel Luminaires: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

1. Surface Preparation: Clean surfaces to comply with SSPC-SP 1, "Solvent Cleaning," to remove dirt, oil, grease, and other contaminants that could impair paint bond. Grind welds and polish surfaces to a smooth, even finish. Remove mill scale and rust, if present, from uncoated steel, complying with SSPC-SP 5/NACE No. 1, "White Metal Blast Cleaning," or SSPC-SP 8, "Pickling."
 2. Exterior Surfaces: Manufacturer's standard finish consisting of one or more coats of primer and two finish coats of high-gloss, high-build polyurethane enamel.
 - a. Color: As selected from manufacturer's standard catalog of colors.
- N. Factory-Applied Finish for Aluminum Luminaires: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
1. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
 2. Natural Satin Finish: Provide fine, directional, medium satin polish (AA-M32); buff complying with AA-M20; and seal aluminum surfaces with clear, hard-coat wax.
 3. Class I, Clear Anodic Finish: AA-M32C22A41 (Mechanical Finish: medium satin; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, clear coating 0.018 mm or thicker) complying with AAMA 611.
 4. Class I, Color Anodic Finish: AA-M32C22A42/A44 (Mechanical Finish: medium satin; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, integrally colored or electrolytically deposited color coating 0.018 mm or thicker) complying with AAMA 611.
 - a. Color: Dark bronze.
- O. Factory-Applied Labels: Comply with UL 1598. Include recommended lamps and ballasts. Labels shall be located where they will be readily visible to service personnel, but not seen from normal viewing angles when lamps are in place.
1. Label shall include the following lamp and ballast characteristics:
 - a. "USES ONLY" and include specific lamp type.
 - b. Lamp tube configuration (twin, quad, triple), base type, and nominal wattage for compact fluorescent luminaires.
 - c. Lamp type, wattage, bulb type (ED17, BD56, etc.) and coating (clear or coated) for HID luminaires.
 - d. Start type (preheat, rapid start, instant start) compact fluorescent luminaires.
 - e. ANSI ballast type (M98, M57, etc.) for HID luminaires.
 - f. CCT and CRI for all luminaires.

2.03 LUMINAIRE-MOUNTED PHOTOELECTRIC RELAYS

- A. Comply with UL 773 or UL 773A.
- B. Contact Relays: Factory mounted, single throw, designed to fail in the on position, and factory set to turn light unit on at 1.5 to 3 fc and off at 4.5 to 10 fc with 15-second minimum time delay.
 - 1. Relay with locking-type receptacle shall comply with ANSI C136.10.
 - 2. Adjustable window slide for adjusting on-off set points.

2.04 FLUORESCENT BALLASTS AND LAMPS (N/A)

2.05 BALLASTS FOR HID LAMPS (N/A)

2.06 HID LAMPS (N/A)

2.07 GENERAL REQUIREMENTS FOR POLES AND SUPPORT COMPONENTS

- A. Structural Characteristics: Comply with AASHTO LTS-4-M.
 - 1. Wind-Load Strength of Poles: Adequate at indicated heights above grade without failure, permanent deflection, or whipping in steady winds of speed indicated in "Structural Analysis Criteria for Pole Selection" Article.
 - 2. Strength Analysis: For each pole, multiply the actual equivalent projected area of luminaires and brackets by a factor of 1.1 to obtain the equivalent projected area to be used in pole selection strength analysis.
- B. Luminaire Attachment Provisions: Comply with luminaire manufacturers' mounting requirements. Use stainless-steel fasteners and mounting bolts unless otherwise indicated.
- C. Mountings, Fasteners, and Appurtenances: Corrosion-resistant items compatible with support components.
 - 1. Materials: Shall not cause galvanic action at contact points.
 - 2. Anchor Bolts, Leveling Nuts, Bolt Caps, and Washers: Hot-dip galvanized after fabrication unless otherwise indicated.
 - 3. Anchor-Bolt Template: Plywood or steel.
- D. Handhole: Oval-shaped, with minimum clear opening of 2-1/2 by 5 inches, with cover secured by stainless-steel captive screws.
- E. Concrete Pole Foundations: Cast in place, with anchor bolts to match pole-base flange. Concrete, reinforcement, and formwork are specified in Section 03300 "Cast-In-Place Concrete."
- F. Power-Installed Screw Foundations: Factory fabricated by pole manufacturer, with structural steel complying with ASTM A 36/A 36M and hot-dip galvanized according

to ASTM A 123/A 123M; and with top-plate and mounting bolts to match pole base flange and strength required to support pole, luminaire, and accessories.

- G. Breakaway Supports: Frangible breakaway supports, tested by an independent testing agency acceptable to authorities having jurisdiction, according to AASHTO LTS-4-M.

2.08 STEEL POLES (N/A)

2.09 ALUMINUM POLES (N/A)

PART 3 - EXECUTION

3.01 LUMINAIRE INSTALLATION

- A. Install lamps in each luminaire.
- B. Fasten luminaire to indicated structural supports.
 - 1. Use fastening methods and materials selected to resist seismic forces defined for the application and approved by manufacturer.
- C. Adjust luminaires that require field adjustment or aiming.

3.02 POLE INSTALLATION (N/A)

3.03 BOLLARD LUMINAIRE INSTALLATION (N/A)

3.04 INSTALLATION OF INDIVIDUAL GROUND-MOUNTING LUMINAIRES

- A. Install on concrete base with top 4 inches above finished grade or surface at luminaire location. Cast conduit into base, and finish by troweling and rubbing smooth. Concrete materials, installation, and finishing are specified in Section 03300 "Cast-In-Place Concrete."

3.05 CORROSION PREVENTION

- A. Aluminum: Do not use in contact with earth or concrete. When in direct contact with a dissimilar metal, protect aluminum by insulating fittings or treatment.
- B. Steel Conduits: Comply with Section 16130 "Raceways and Boxes." In concrete foundations, wrap conduit with 0.010-inch- thick, pipe-wrapping plastic tape applied with a 50 percent overlap.

3.06 GROUNDING

- A. Ground metal poles and support structures according to Section 16060 "Grounding and Bonding."
 - 1. Install grounding electrode for each pole unless otherwise indicated.
 - 2. Install grounding conductor pigtail in the base for connecting luminaire to grounding system.

- B. Ground nonmetallic poles and support structures according to Section 16060 "Grounding and Bonding."
 - 1. Install grounding electrode for each pole.
 - 2. Install grounding conductor and conductor protector.
 - 3. Ground metallic components of pole accessories and foundations.

END OF SECTION

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SECTION F
GENERAL PROVISIONS

GENERAL PROVISIONS

SECTION 1 - GENERAL, TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

1-2 TERMS AND DEFINITIONS.

AGENCY – The City of Lomita, herein referred to as City.

BOARD – The City Council of the City of Lomita, herein referred to as City Council.

ENGINEER –The Public Works Director/City Engineer of the City of Lomita, acting either directly or through properly authorized agents, such agents acting within the scope of the duties entrusted to them.

CLAIM -- A separate demand by the Contractor for (A) a time extension, (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the Agency.

1-7 AWARD AND EXECUTION OF THE CONTRACT.

1-7.1 General.

Within twenty-one (21) calendar days after the date of the City's award of contract, the Contractor shall execute and return all Contract Documents required by the City. The City reserves the right to terminate the award if the above requirement is not met. Such termination will result in the forfeiture of the Proposal Guaranty.

Per Lomita Municipal Code the City of Lomita reserves the right to reject any and all proposals, to waive any informality or irregularity in such bids, and determine the lowest responsible bidder.

The Contract Agreement shall not be considered binding upon the City until executed by the authorized City officials.

1-7.2 Contract Bonds.

The "Performance Bond" shall remain in effect for one year following the date specified in the Notice of Completion or, if no Notice of Completion is recorded, for one year following the date of final acceptance of the project by the City Council.

SECTION 2 - SCOPE OF THE WORK

- **WORK TO BE DONE.**

Scope of Work. The Work generally consists of furnishing all labor, materials, tools, equipment, and incidentals necessary to rehabilitate the pavement on various streets in Zone G and to upgrade designated curb ramps to current ADA Standards as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

The Work also includes all necessary traffic control; preparing and updating construction schedules; posting signs for "NO PARKING" and arranging for towing of cars, if necessary; protecting all utility covers in place; and installing temporary pavement markers.

2-5.4 HAUL ROUTES.

Only designated truck routes shall be used for hauling materials away from the job site or delivering materials to the job site.

2-5.4.1 VEHICULAR ACCESS - When the Contractor begins excavation of a residential driveway, safe access shall be provided within 4 hours and not later than the end of the same workday in which excavation began.

The Contractor shall be responsible to provide at least 48-hour written notice to each affected property before closing or partially closing any driveway or pedestrian access.

At least three (3) days prior to starting work in any location or any street closure, the Contractor shall distribute written notices to all homeowners and residents within 100 feet of the project that will be impacted by the work. The written notices shall be reviewed and approved by the City before the Contractor sends them out.

- 1) The Contractor shall provide a minimum 1-inch-thick temporary asphalt surface for an access ramp or sidewalk if it is not able to install the permanent improvement within 5 working days following the removal of the existing material at any location. The offset at any transverse or longitudinal joint shall not be more than one-half (1/2) inch. On the temporary asphalt surface: the running slope shall not exceed 1:20; the cross slope shall not exceed 1:50. The Contractor shall not be allowed any additional compensation for the installation and removal of temporary asphalt.

Should any change in these requirements be necessitated by extraordinary occurrences or requirements during the execution of the Work, the Contractor shall obtain prior written approval of the Engineer.

2-8 EXTRA WORK

Payment for additional work and all expenditures more than the Contract Price must be authorized in writing by the Engineer. Such authorization shall be obtained by the Contractor prior to engaging in additional work. It shall be the Contractor's sole responsibility to obtain written approval from the Engineer for any change(s) in material or in the work proposed by suppliers or subcontractors. No payment shall be made to the Contractor for additional work which has not been approved in writing, and the Contractor hereby agrees that it shall have no right to additional compensation for any work not so authorized.

The Contractor shall be responsible for providing all data and to obtain all approvals required by the Specifications, including submittal of Daily Extra Work Reports. Disputed work claims shall comply with 2-8 as modified herein.

SECTION 3 – CONTROL OF THE WORK

3-7 CONTRACT DOCUMENTS.

3-7.1 General.

The Contractor shall maintain and control one set of Plans and Specifications on the Work site. All final locations determined in the field, and any deviations from the Plans and Specifications, shall be marked in red on this control set to show as-built conditions. Upon completion of the Work, the Contractor shall submit the control set to the Engineer for approval. Final payment will not be made until this requirement is met.

3-7.1.1 Plans. Included as part of the Contract Documents are the following, which show the location, character, dimensions, or details of the Work:

1) Project Plans

The plans and data provided with the Contract Documents are based on existing plans and documents. The plans and data are provided for information only. The City does not guarantee their accuracy and correctness. If the Bidder in preparing the Bid Proposal uses this information, the Bidder assumes all risks resulting from conditions differing from the information shown. The Bidder, in consideration for the information being provided, hereby releases the City, from any responsibility of obligation as to the accuracy of such information or for any additional compensation for work performed due to assumptions based on the use of such information.

2) Standard Plans

- a. City of Lomita Standard Plans, latest edition
- b. Standard Plans for Public Works Construction, 2021 edition, promulgated by Public Works Standards, Inc.
- c. Standard Plans of the State of California Department of Transportation (Caltrans), latest edition

3-7.1.2 Specifications. The Work shall be performed or executed in accordance with these Provisions and the following:

- 1) Standard Specifications for Public Works Construction, 2021 edition and supplements thereto, hereinafter referred to as the Greenbook, as written and promulgated by Public Works Standards, Inc. The Greenbook is published by BNi Building News, Inc., 1612 South Clementine Street, Anaheim, CA 92802, Phone: (800) 873-6397.
- 2) Sections 84, 86 and 90 of the State of California Department of Transportation (Caltrans) Standard Specifications, latest edition.

3-7.2 Precedence of the Contract Documents.

If there is a conflict between any of the Contract Documents, the document highest in precedence shall control. The order of precedence shall be as follows:

- 1) Permits issued by other agencies.
- 2) Change Orders (including Plans and Specifications attached thereto).
- 3) Public Works Agreement
- 4) Addenda
- 5) Special Provisions
- 6) General Provisions
- 7) Plans
- 8) City Standard Plans
- 9) Other Standard Plans
- 10) Greenbook
- 11) Reference Specifications

With reference to the Plans/Drawings, the order of precedence is as follows:

- 1) Change Order plans govern over Addenda and Contract plans.
- 2) Addenda plans govern over Contract plans.
- 3) Contract plans govern over standard plans.
- 4) Detail plans govern over general plans.
- 5) Figures govern over scaled dimensions.

Within the Specifications, the order of precedence is as follows:

- 1) Change Orders
- 2) Permits from other agencies/Supplemental Agreements
- 3) Special Provisions
- 4) Instruction to Bidders
- 5) Referenced Standard Plans
- 6) Referenced Standard Specifications

If the Contractor, in the course of the Work, becomes aware of any claimed errors or omissions in the Contract Documents or in the City's fieldwork, the Contractor shall immediately inform the Engineer. The Engineer shall promptly review the matter, and if the Engineer finds an error or omission has been made the Engineer shall determine the corrective actions and advise the Contractor accordingly. If the corrective work associated with an error or omission increases or decreases the amount of work called for in the Contract, the City shall issue an appropriate Change Order in accordance with subsection 2-8. After discovery of an error or omission by the Contractor, any related work performed by the Contractor shall be done at the Contractor's risk unless authorized by the Engineer.

-3-8 SUBMITTALS.

In addition to the submittal requirements laid out in the Special Provisions, the contractor shall submit the following:

Submittals are required for the following:

- Construction Schedule
- Contractor Proposed Laydown Area

All Contractor submittals shall be carefully reviewed against the contract documents by an authorized representative of the Contractor, prior to submittal to the Engineer. A letter shall be included with each submittal stating the contract documents have been reviewed and the submitted product is correct for the project application and in strict conformance with the contract documents. The letter affidavit must be dated and signed by both the Contractor and the product manufacturer or service provider. In the case of shop drawings, each sheet shall be dated and signed for approval. No consideration for review by the Engineer of any Contractor submittals will be made for any items which are not accompanied by affidavit by the Contractor. All submittals without an affidavit will be returned to the Contractor without action taken by the Engineer, and any delays caused thereby shall be the total responsibility of the Contractor.

The Engineer's review of Contractor submittals shall not relieve the Contractor of the entire responsibility for the correctness of details and dimensions. The Contractor shall assume all responsibility and risk for any misfits due to any errors in Contractor submittals. The Contractor shall be responsible for the dimensions and the design of adequate connections and details.

3-12 WORK SITE MAINTENANCE.

3-12.1 GENERAL.

3-12.1 Temporary Light, Power, and Water. The Contractor shall obtain a construction water meter from the City. An \$800 deposit is required and refundable upon return of the meter in good working condition. The Contractor shall pay for the water used, at the City's current water rates.

3-12.1.2 Graffiti Removal. The Contractor shall maintain the Work, all its equipment, and all traffic control devices, including signage, free of graffiti throughout the duration of the Contract. The Contractor shall respond to any request from the Engineer to remove graffiti within 4 hours of notification. Should the Contractor fail to respond to such a request, the City reserves the right to make other arrangements for the requested graffiti removal and deduct the cost from any monies due the Contractor.

3-12.4 STORAGE OF EQUIPMENT AND MATERIALS.

3-12.4.2 STORAGE IN PUBLIC STREETS.

Contractor's Storage Yard. The Contractor shall be responsible for obtaining a storage yard for the duration of the Work. If the proposed location of the yard is located within the

boundaries of the City, the Contractor shall obtain prior approval from the Engineer. Contractors' equipment will not be allowed to park overnight on any City Street.

3-13 COMPLETION, ACCEPTANCE AND WARRANTY.

It is the intent of the Specifications that only first-class materials and workmanship will be acceptable. The Contractor shall take all necessary measures to protect Work from damage and prevent accidents and vandalism during all phases of the work.

Until the final acceptance of the Work by the City, by written action of the Engineer, the Contractor shall have the charge and care thereof and will bear the risk of injury or damage to any part of the Work by the action of the elements, vandalism, or any other cause. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the Work occasioned by any cause before its completion and acceptance and will bear the expense thereof.

If, in the Engineer's judgment, the Work has been completed and is ready for acceptance, the Engineer will be so certify and will determine the date when the Work was completed. This will be the date when the Contractor is relieved from responsibility to protect the Work. The Engineer may cause a Notice of Completion to be filed and recorded with the Los Angeles County Recorder's Office. At the Engineer's option, the Engineer may certify acceptance to the City Council who may then cause a Notice of Completion to be filed and recorded with the Los Angeles County Recorder's Office.

3-13.4 Manufacturer's Warranties. Manufacturer's warranties shall not relieve the Contractor of liability under these Specifications. Such warranties only shall supplement the Contractor's responsibility.

SECTION 4 - CONTROL OF MATERIALS

4-1 GENERAL-

The Contractor and all subcontractors, suppliers, and vendors shall guarantee that the entire Work will meet all requirements of this contract as to the quality of materials, equipment, and workmanship.

The Contractor, at no cost to the City, shall make any repairs or replacements made necessary by defects in materials, equipment, or workmanship that become evident within one year after the date of recordation of the Notice of Completion.

Within this one-year period, the Contractor shall also restore to full compliance with the requirements of this contract any portion of the Work which is found to not meet those requirements. The Contractor shall hold the City harmless from claims of any kind arising from damages due to said defects or noncompliance.

The security of this guarantee shall be in the form of a Maintenance Bond furnished to the City by the Contractor. There shall be specific wording in the Maintenance Bond, that includes the

guarantee or warranty of the labor and materials for a one-year period, commencing from the recording date of the Notice of Completion by the County Recorder. The guaranteed amount shall be 100 percent of the total amount earned to date as indicated on the final progress payment. The City reserves the right to withhold the retention until the Maintenance Bond has been accepted by the City.

The Contractor shall make all repairs, replacements, and restorations covered by the Maintenance Bond within 10 working days after the date of the Engineer's written notice. Failure to comply with such notice, will cause the City to file claim against the bond.

Excepted from the Maintenance Bond will be defects caused by acts of God, acts of the City, acts of vandals, or by acts of others outside or beyond the control of the Contractor.

If the work, or any portion thereof, shall be damaged in any way, or if any defective materials or faulty workmanship shall be discovered at any time prior to the final payment, the Contractor shall forthwith, at its own cost and expense, repair said damage, or replace such defective materials, or remedy such faulty workmanship in a manner satisfactory to the Engineer.

4-2 PROTECTION.

The Contractor shall assume all risks and expense of interference and delay in his operations, and the protection from or the repair of damage to improvements being built under the contract, as may be caused by water of whatever quantity from floods, storms, industrial waste, irrigation, underground or other sources. However, the Contractor shall be entitled to an extension of time in accordance with the provisions of Subsection 6-4. The Contractor shall also assume full responsibility and expense of protecting, or removing and returning to the site of Work, all equipment or materials under his care endangered by any action of the elements.

Furthermore, the Contractor shall indemnify and hold the City harmless from all claims or suits for damages arising from his operations in dewatering the Work and control of water.

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-7 SAFETY.

5-7.2.4 PUBLIC SAFETY DURING NON-WORKING HOURS

Notwithstanding the Contractor's primary responsibility for safety on the job site when the Contractor is not present, the Engineer at Engineer's option after attempting to contact the Contractor may direct City Forces to perform any functions Engineer may deem necessary to ensure public safety at or in the vicinity of the job site. If such procedure is implemented, the Contractor will bear all expenses incurred by the City.

5-7.2.5 WRITTEN COMMUNICATIONS

Contractor's written communications, including letters, field memoranda, requests for substitution (RFS) and requests for information (RFI) shall be written in a clear and concise manner. RFSs and RFIs shall clearly describe the condition or issue of concern, the cause of the condition or issue and the proposed solution or specific question being posed to the Engineer. The contractor shall not be entitled to any delays or additional compensation as a result of issues that in the Engineer's opinion originated with, or were exacerbated by, poor written communications by the Contractor.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK.

6-1.1 General. Within ten (10) working days after the date of the City's execution of the Contract, the Contractor shall submit a proposed construction schedule to the Engineer for approval. The schedule shall be in accordance with the Specification and these Special Provisions.

Prior to issuing the Notice to Proceed, the Engineer will schedule a Pre-Construction Meeting with the Contractor to review the proposed construction schedule and delivery dates, arrange utility coordination and clarify inspection procedures.

Notwithstanding any other provisions of the Contract, the Contractor shall not be obligated to perform any work and the City will not be obligated to accept or pay for any work performed by the Contractor prior to delivery of a Notice to Proceed. The City's knowledge of work being performed prior to delivery of the Notice to Proceed shall not obligate the City to accept or pay for such work. The Contractor shall provide all required Contract bonds and evidence of insurance prior to commencing work.

6-1.2 Commencement of the Work. Construction schedules shall consider the following:

WORK HOURS.

Work shall be performed between the hours of 7:00 A.M. and 4:00 P.M. unless otherwise approved by the Engineer. The Contractor will be allowed to work on Fridays when City Hall is scheduled to be closed. No work shall occur on Sundays or holidays. The following days are holidays: Memorial Day, May 27, 2024; Independence Day, July 4, 2024; Labor Day, September 2, 2024; Veteran's Day, November 11, 2024; Thanksgiving Day, November 28, 2024; Friday following Thanksgiving Day, November 29, 2024, as well as the week between Christmas and New Year Day.

7-4.3 MARKUP AND CHANGE MANAGEMENT.

The markups mentioned hereinafter shall include, but are not limited to, all costs for the services of superintendents, project managers, timekeepers and other personnel not working directly on the change order, and pickup or yard trucks used by the above personnel. These costs shall not be reported as labor or equipment elsewhere except when performing work directly on the change order and then shall only be reported at the labor classification of the

work performed.

7-4.3.1 Work by Contractor. The following percentages shall be added to the Contractor's costs and shall constitute the mark-up for all overhead and profit, which shall be deemed to include all items of expense not specifically designated as cost or equipment.

Labor	20
Materials	15
Equipment Rental	15
Other Expenditures	15

To the sum of the costs and markups provided for in this subsection, one (1) percent shall be added as compensation for bonding.

7-4.3.2 Work by Subcontractor. When any part of the extra work is performed by a subcontractor, the markup established in 7-4.3.1 shall be applied to the subcontractor's actual cost of such work. A mark-up of ten (10) percent on the first \$5,000 of the subcontracted portion of the extra work and a mark-up of 5 percent on work added more than \$5,000 of the subcontracted portion of the extra work may be added by the Contractor.

The markups specified in parts (a) and (b) above shall be considered as including, but not limited to, the Contractor's labor costs for personnel not working directly on the extra work, including the cost of any tools and equipment that they may use. Such costs shall not be reported as labor or equipment costs elsewhere except when they are used in the performance of the extra work. Labor costs shall in that case be reported for the labor classification corresponding to the type and nature of extra work performed.

SECTION G
CONTRACT PLANS

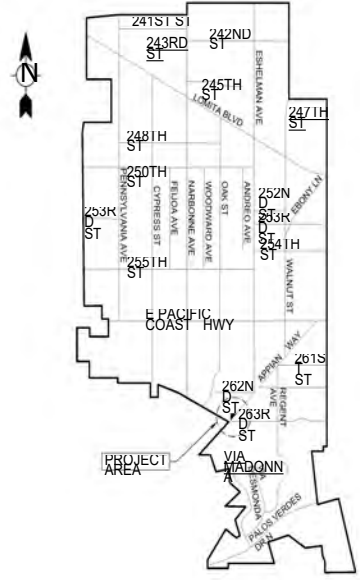
BUILDING AND SAFETY DIVISION
 Department of Public Works
CITY OF LOMITA
 PUBLIC WORKS

This set of drawings and specifications must be carefully reviewed at all times and approved by the Building Official. The Building Official's approval does not constitute a warranty or guarantee of the accuracy or completeness of the information provided. The Building Official shall not be held responsible for any errors or omissions in these drawings and specifications. The Building Official shall not be held responsible for any damage to property or injury to persons resulting from the use of these drawings and specifications. The Building Official shall not be held responsible for any violation of any applicable laws, codes, or regulations. The Building Official shall not be held responsible for any delay in the construction of the project. The Building Official shall not be held responsible for any cost overruns or schedule delays. The Building Official shall not be held responsible for any other matters not specifically mentioned in these drawings and specifications.

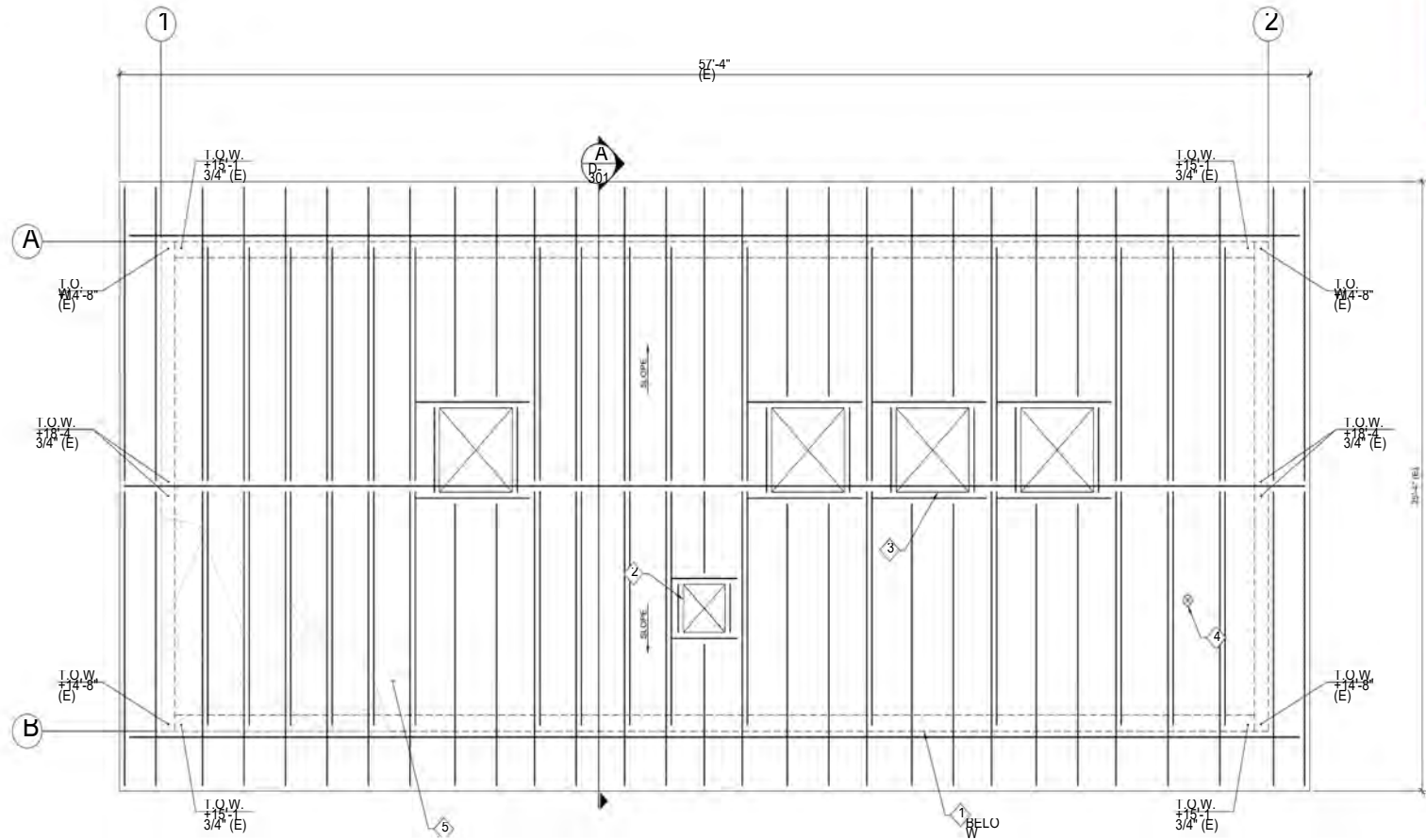
CONSTRUCTION PLANS FOR CITY OF LOMITA NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION

NOTICE TO THE CONTRACTOR
 CONTRACTOR TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS NOTICE SHALL APPLY CONTINUOUSLY AND VALID THROUGHOUT NORMAL WORKING HOURS.

ACI
 ASI
 M
 ASC
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 AISC
 CON
 CMU
 CLR
 BRG
 DIA
 E
 EXIST
 EAL
 V
 IGG
 LON
 C
 M.O.
 MAX
 MPH
 MIN.
 N/A
 PC
 PCF
 P.V.
 S.S.
 CO
 SM
 F
 STD
 I.O.F.
 T.O.S
 W.
 TYP.
 U.N.
 O.



This set of construction specifications must be kept on file and it is unlawful to make any modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The contractor and specifications SHALL NOT be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.



- KEY NOTES**
1. REMOVE EXISTING CMU WALL IN PLACE
 2. REMOVE AND DISPOSE OF EXISTING EXHAUST FAN
 3. REMOVE AND DISPOSE OF EXISTING RESTROOM VENT PIPE
 4. REMOVE AND DISPOSE OF EXISTING ROOFING AND ROOF FRAMING. SEE SECTION ON SHEET D-301 FOR LIMITS OF DEMOLITION. THE EXISTING ROOF SHALL BE REMOVED FROM TRUSSES AND STRAINS FROM OVER 30% BELOW THE ROOF TO THE BEAM AND 2x6 STRAINS WITH 3x BEAM AND 3x WOOD FASCIA BOARDS, 6x4 WOOD ROOF OPENING FRAMING, AND 4x8 TOP PLATES.

DEMOLITION PLAN
 SCALE: 3/8"=1'-0"

DATE: _____
 TOP OF EXISTING FINISH FLOOR AT THE INTERIOR PERIMETER OF THE BUILDING IS SET AT 0'-0"

- NOTES TO CONTRACTOR**
1. CONTRACTOR SHALL REMAIN IN CONSTRUCTION AT ALL TIMES.
 2. CONTRACTOR SHALL CONTACT THE CITY A MINIMUM OF 48 HOURS IN ADVANCE TO SALVAGE ANY EQUIPMENT PRIOR TO ANY DEMOLITION WORK.
 3. DEMOLITION SHALL PROTECT IN PLACE ALL EXISTING FACILITIES AND CONSTRUCTION UNLESS NOTED OTHERWISE.
 4. CONTRACTOR SHALL PROTECT ALL EXISTING MECHANICAL COMPONENTS NOT DESIGNATED FOR DEMOLITION OR REPAIR AND REPLACEMENT. ALL MECHANICAL AND ELECTRICAL COMPONENTS AND CONDUITS SHALL BE PROTECTED FROM DAMAGE WHICH RESULTS FROM DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL MECHANICAL AND ELECTRICAL COMPONENTS AND CONDUITS.
 5. CONTRACTOR SHALL PROTECT ALL EXISTING MECHANICAL COMPONENTS NOT DESIGNATED FOR DEMOLITION OR REPAIR AND REPLACEMENT. ALL MECHANICAL AND ELECTRICAL COMPONENTS AND CONDUITS SHALL BE PROTECTED FROM DAMAGE WHICH RESULTS FROM DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL MECHANICAL AND ELECTRICAL COMPONENTS AND CONDUITS.
 6. SHALL BE DEMOLISHED TO THE AIRWAY BUILDING TO THE CITY'S SATISFACTION.



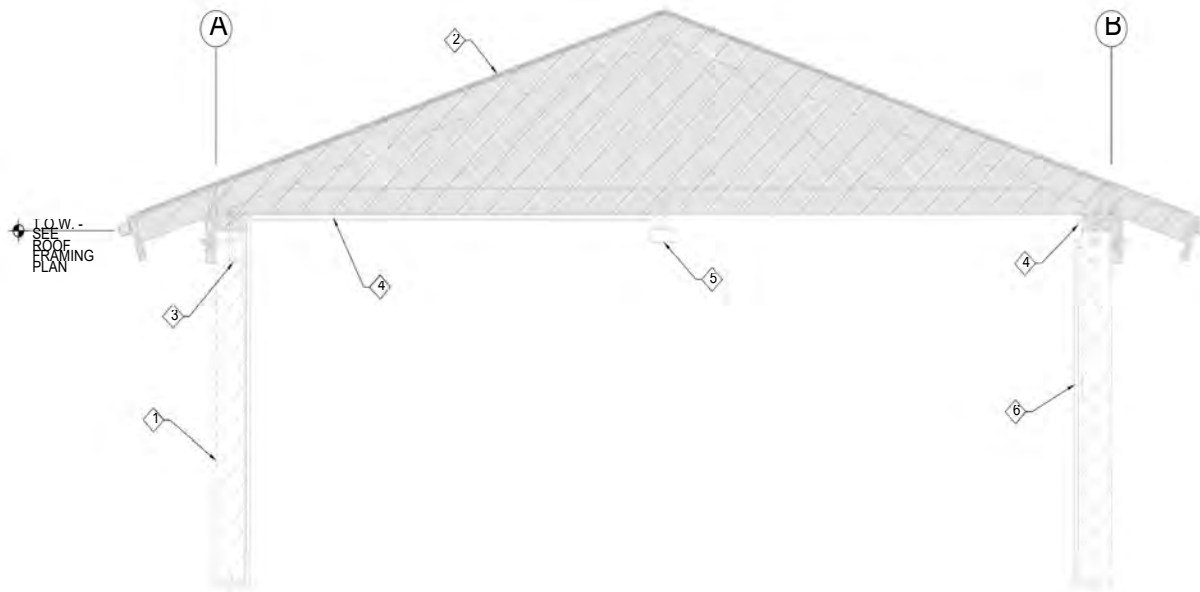
CITY OF LOMALINDA
 PUBLIC WORKS DEPARTMENT



NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
 ROOF DEMOLITION PLAN

U-101
200-093453-23001
2

This set of plans and specifications must be kept on file and no modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The contractor shall not be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.



DEMOLITION SECTION
 SCALE: 3/4"=1'-0"

KEYNO

- 1. PROTECT EXISTING CMU IN PLACE
- 2. REMOVE AND DISPOSE OF EXISTING ROOFING AND ROOF FRAMING. SEE DEMOLITION PLAN
- 3. ON-SITE BRACKERS IN CMU PER DETAILS ON SHEET S-302
- 4. TEMPORARILY REMOVE AND REPLACE EXISTING CONDUITS. REFER TO THE ELECTRICAL DRAWINGS FOR CONDUIT
- 5. LOCATIONS AND REPLACE EXISTING INTERIOR LIGHTS. REFER TO THE ELECTRICAL DRAWINGS FOR
- 6. LIGHTING LOCATIONS IN THE ACOUSTICAL PANELS

DEMOLITION NOTES
 REFER TO THE NOTES TO CONTRACTOR ON SHEET S-101



City of Lomita
 PUBLIC WORKS DEPARTMENT
 24500 HARBORVIEW AVENUE, LOMITA, CA 90371
 TEL: (310) 303-7140 FAX: (310) 325-4024

NO.	DATE	BY	DESCRIPTION	APPROVED

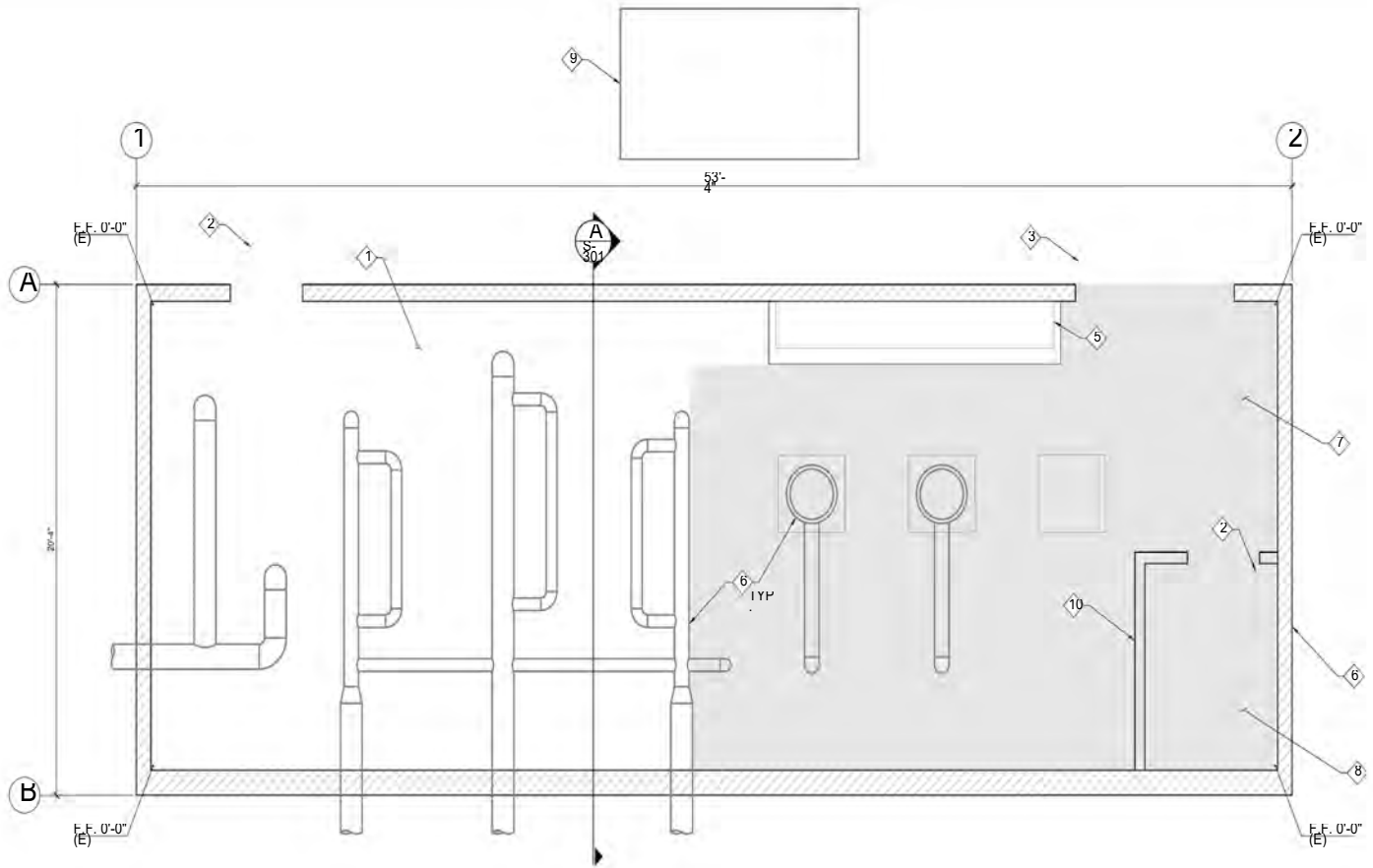


DESIGNED BY: _____
 CHECKED BY: _____
 PROJECT NO.: _____

NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
 ROOF DEMOLITION SECTION

DATE: 10/20/2024	U-301
PROJECT NO.: 200-093453-23001	
PAGE: 3	14

This set of construction documents must be kept on file. It is unlawful to make any modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The Building Official, in any and all circumstances, shall not be deemed to be approving any work or activity that violates any provisions of any County Ordinance or State Law.



- KEYNO**
- YES**
- 1. (E) CONCRETE FLOOR SLAB (PROTECT IN PLACE)
 - 2. (E) SINGLE DOOR (PROTECT IN PLACE)
 - 3. (E) DOUBLE DOOR (PROTECT IN PLACE)
 - 4. (E) PUMP AND PIPING (PROTECT IN PLACE), TYP.
 - 5. (E) ELECTRICAL CABINET (PROTECT IN PLACE)
 - 6. (E) CALL WALL (PROTECT AND ACCESSIBLE FOR OPERATION CREWS AT ALL TIME DURING CONSTRUCTION) (SHADED)
 - 7. (E) FOUNDATION (PROTECT IN PLACE)
 - 8. (E) RAMP (PROTECT IN PLACE)
 - 9. (E) LEGEND (E)
 - 10. EXISTING STUD WALL ON CONCRETE CURB (PROTECT IN PLACE)

FLOOR PLAN
 SCALE: 3/8" = 1'-0"

NOTES TO CONTRACTOR:

1. THE PUMP STATION SHALL REMAIN IN OPERATION AT ALL TIME DURING CONSTRUCTION. DESIGNATED ACCESS AREA SHALL BE MAINTAINED AT ALL TIMES.
2. **SHUTDOWNS:** THE FIRST SHUTDOWN SHOULD BE DURING THE TEMPORARY ELECTRICAL WIRING TRANSITION, AND THE SECOND SHUTDOWN SHOULD BE DURING THE FINAL ELECTRICAL SYSTEM TRANSITION. THE ALLOWABLE SHUTDOWN TIME SHALL BE 8 HRS MAXIMUM FOR EACH TEMPORARY SHUTDOWN. THE PUMP STATION SHALL BE OPERATIONAL BY 0600 HRS DURING THE ROOF DEMOLITION AND ROOF REFINISHING FINISH WORK. THE SETTING FINISH INTERIOR PERIMETER OF THE BUILDING IS SET AT 0'-0"



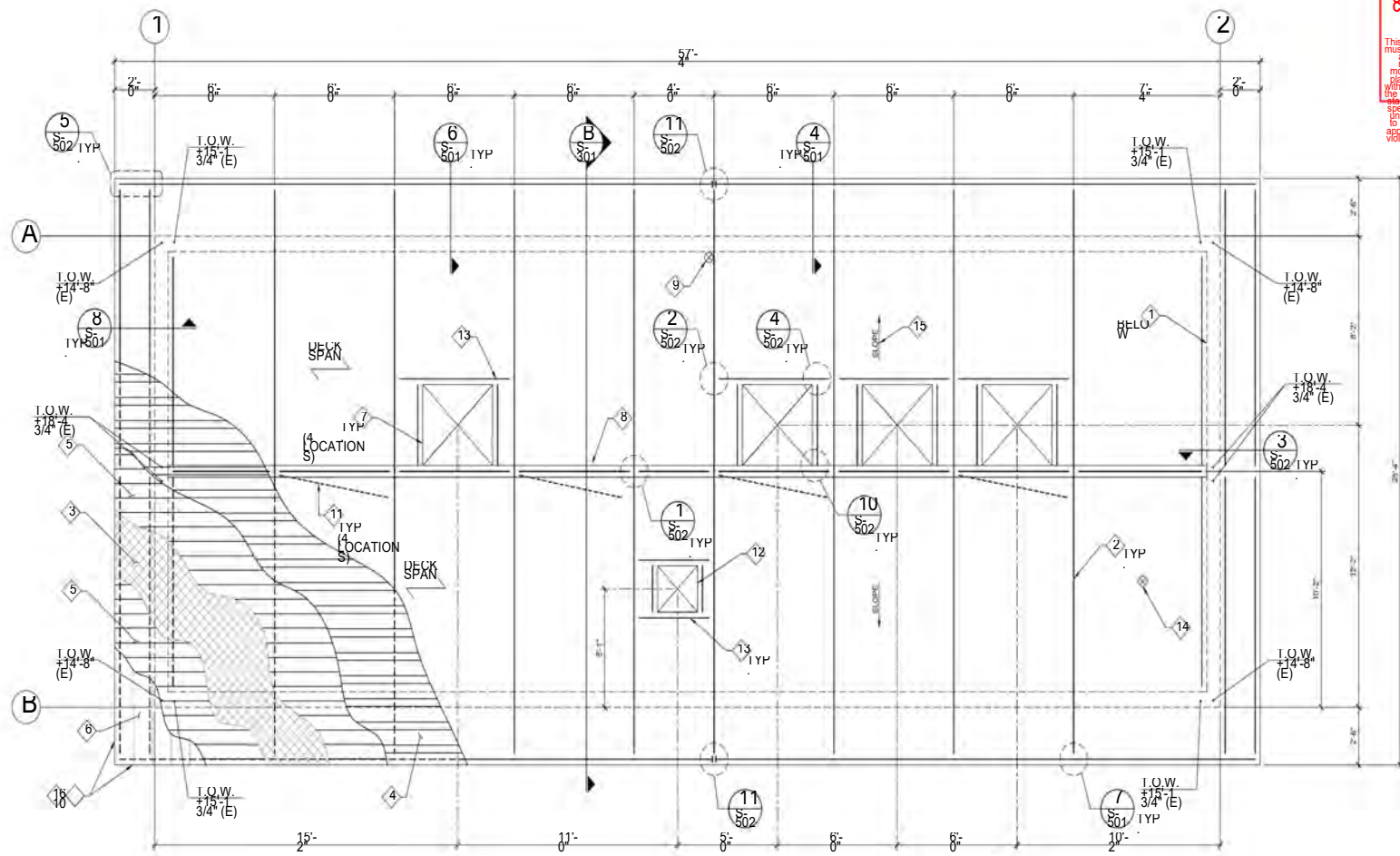
NO.	DATE	BY	DESCRIPTION



NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
 FLOOR PLAN

Scale: 1/8" = 1'-0"
200-093453-23001
6 of 14

This set of drawings and specifications must be taken as a whole and no modifications or alterations to these plans or specifications shall be made without the prior written permission of the Building Official. The plans and specifications SHALL NOT be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.



ROOF FRAMING PLAN

- KEYNOTES**
- 1. EXISTING CMU BLOCK WALL
 - 2. STRUCTURAL STEEL TUBE TRUSS - SEE DETAIL 9 ON SHEET
 - 3. 2" THICK RIGID INSULATION (EXPANDED POLYSTYRENE) SHALL ONLY PROTRUDE 1/2" BEYOND THE METAL DECK
 - 4. SCREWS CONNECTING THE INSULATION TO THE METAL DECK SHALL BE GALVANNEKED STEEL PROVED EQUAL - SEE DETAIL 1 ON SHEET
 - 5. DECK ATTACHMENT: GLASS REINF. GYPSUM ROOF BOARD
 - 6. METAL ROOFING PANELS 24 GAUGE GALVALLOY OR BY MODEL ROY METALS (OR APPROVED EQUIVALENT: ALUMINUM FRAMED, ACRYLIC DOME, SELF-FLASHING SKYLIGHT WITH INTEGRAL SECURITY BARS BRISTOLTEAL-4848 OR APPROVED EQUAL
 - 7. HSS 3X3X3/16" RIDGE BEAM
 - 8. VENT PIPES IN ROOF FOR ANTENNA. PROVIDE METRIC FLASHING PER BOOFING MANUFACTURERS' RECOMMENDATIONS.
 - 9. TRUSS BRACING - DETAIL 6 ON SHEET S-502
 - 10. PROVIDE OPENING IN ROOF DECK FOR CLEAN - SEE DRAWINGS
 - 11. LAX 1X4 FRAMING FOR ROOF OPENINGS
 - 12. OPENING IN ROOF FOR RESTROOM VENT PIPE. PROVIDE PENETRATION FLASHING PER ROOFING MANUFACTURERS' RECOMMENDATIONS.
 - 13. MATCH EXISTING
 - 14. COOL ROOF SRI RATING OF ROOFING PANELS SHALL BE 20 OR GREATER

DATE: TOP OF EXISTING FINISH FLOOR AT INTERIOR PERIMETER OF THE BUILDING IS SET AT 0'-0"

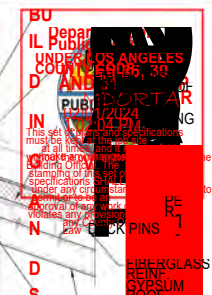
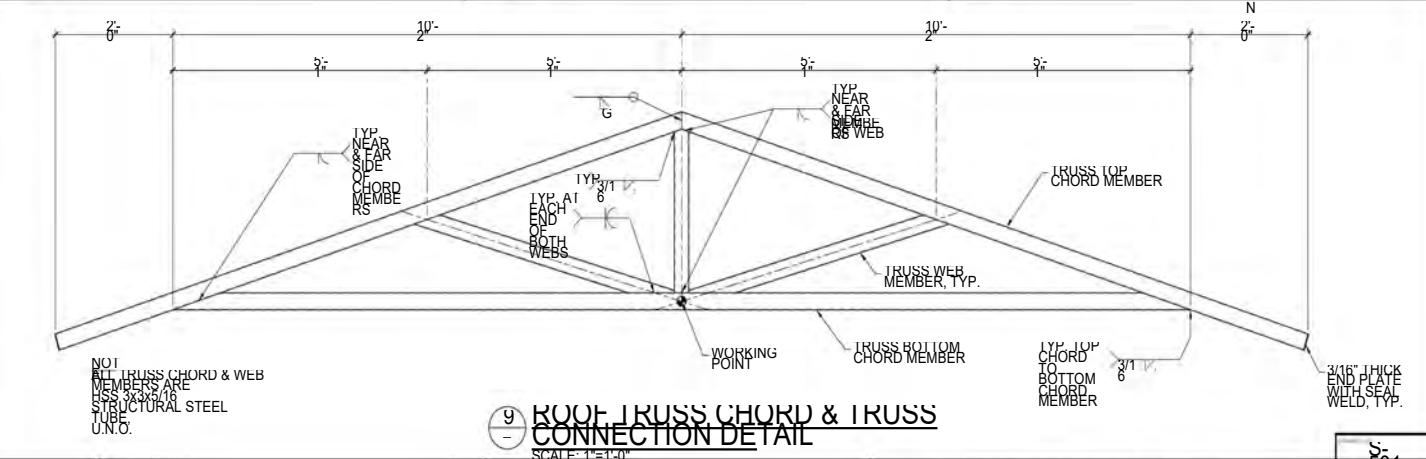
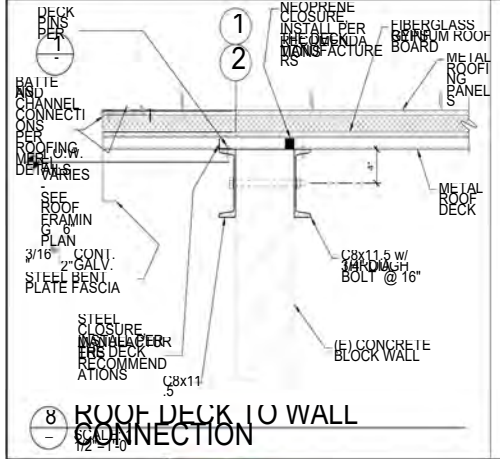
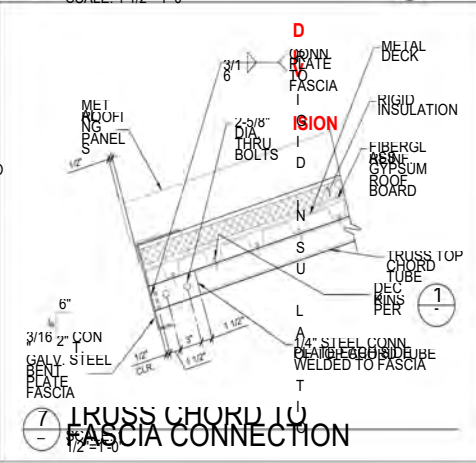
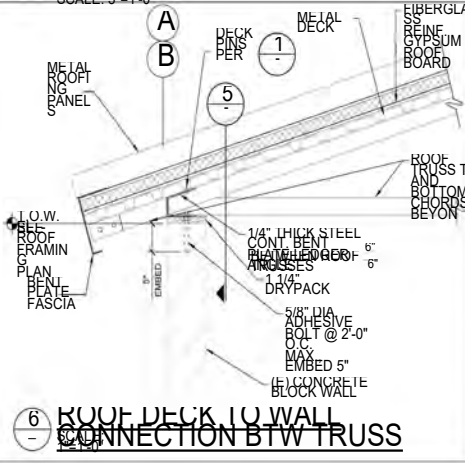
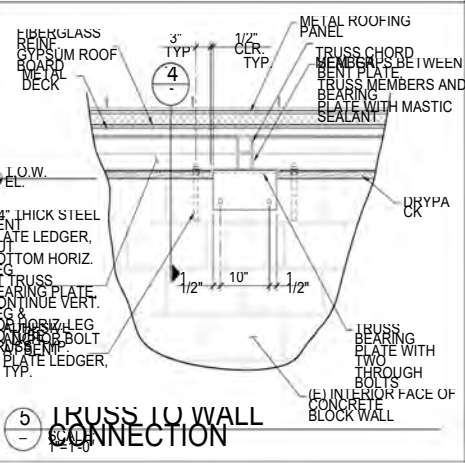
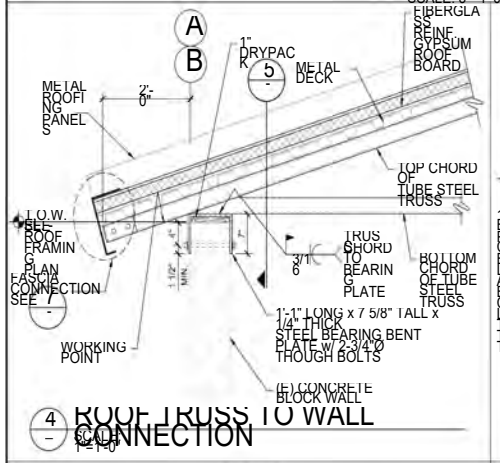
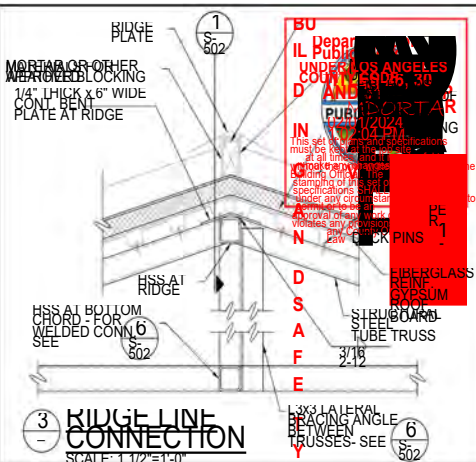
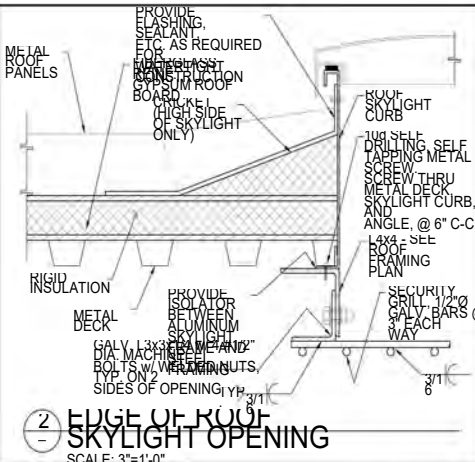
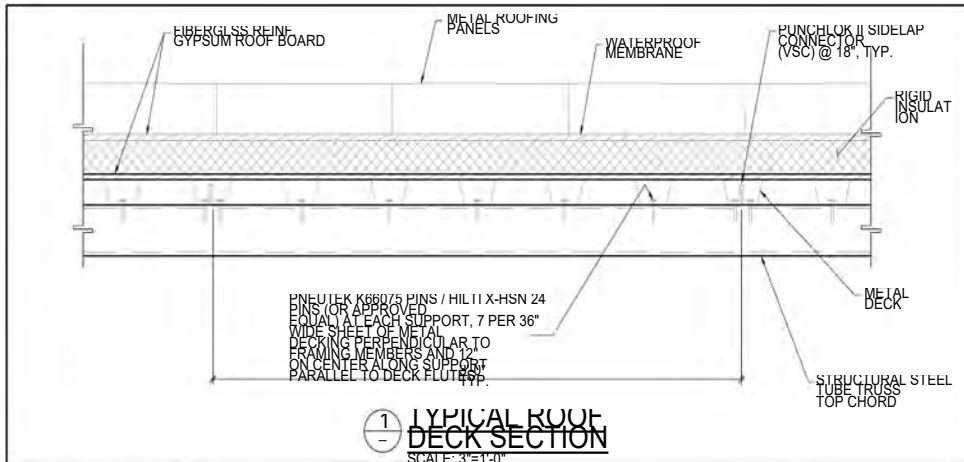


CITY OF LONG BEACH
 PUBLIC WORKS DEPARTMENT



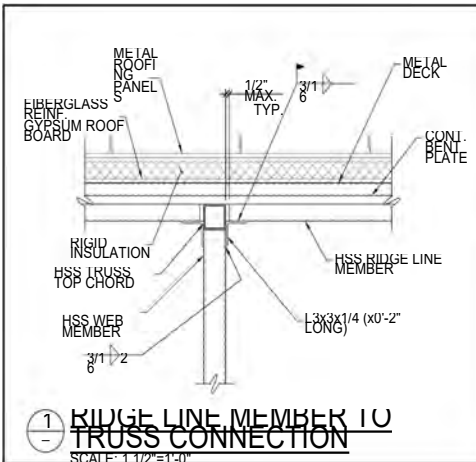
NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
 ROOF FRAMING PLAN

Sheet	S-502
Date	
Scale	
Author	
Check	
200-093553-23001	

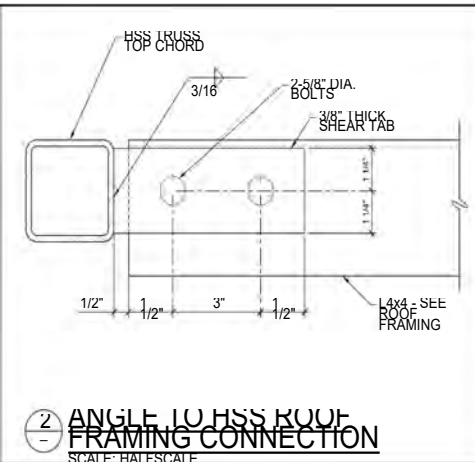


NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
STRUCTURAL DETAILS I

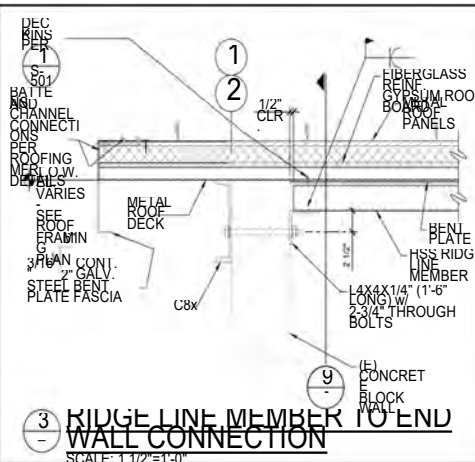
Sheet No.	S-501
Date	
By	
Check	
Scale	
Project No.	200-093453-23001



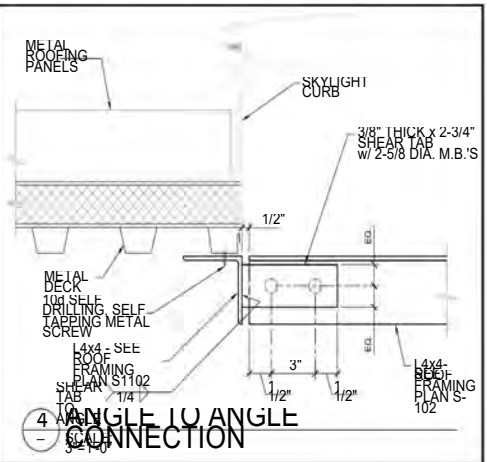
1 - RIDGE LINE MEMBER TO TRUSS CONNECTION
SCALE: 1 1/2"=1'-0"



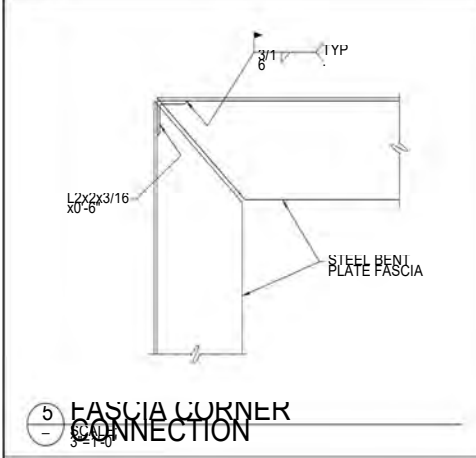
2 - ANGLE TO HSS ROOF FRAMING CONNECTION
SCALE: HALF SCALE



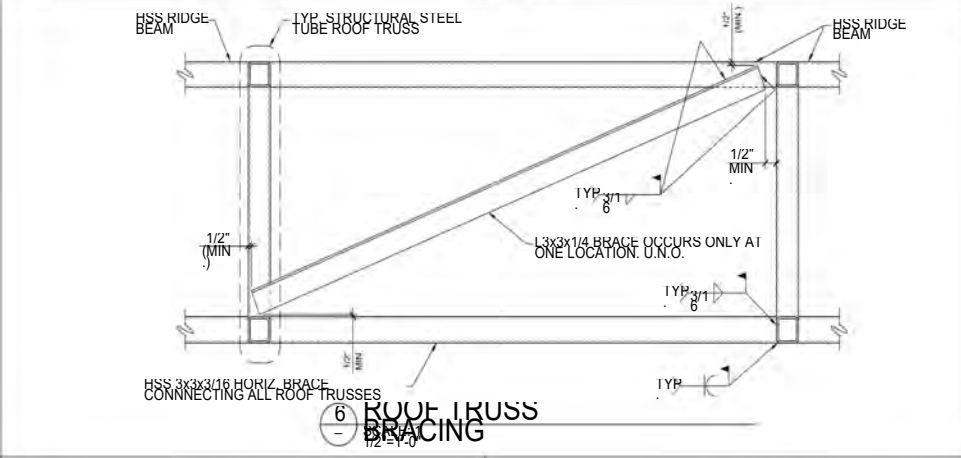
3 - RIDGE LINE MEMBER TO END WALL CONNECTION
SCALE: 1 1/2"=1'-0"



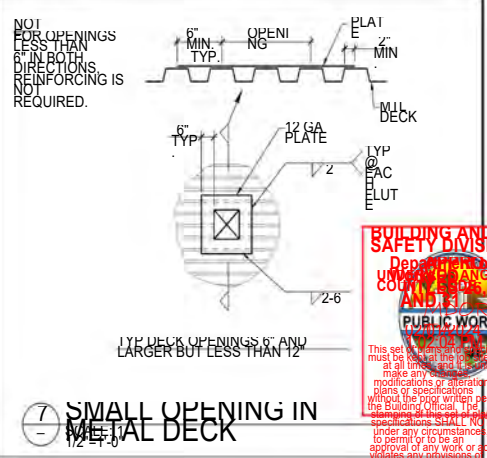
4 - ANGLE TO ANGLE CONNECTION
SCALE: 3\"/>



5 - FASCIA CORNER CONNECTION
SCALE: 3\"/>

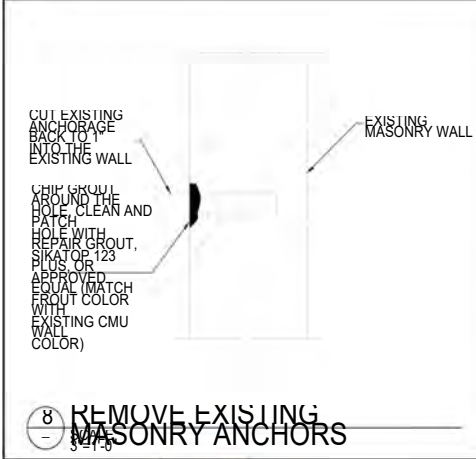


6 - ROOF TRUSS BRACING
SCALE: 1 1/2"=1'-0"

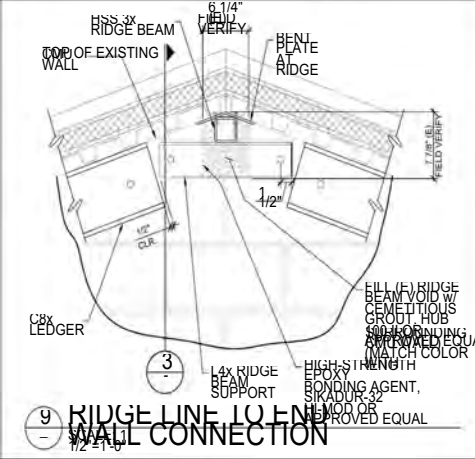


7 - SMALL OPENING IN METAL DECK
SCALE: 1 1/2"=1'-0"

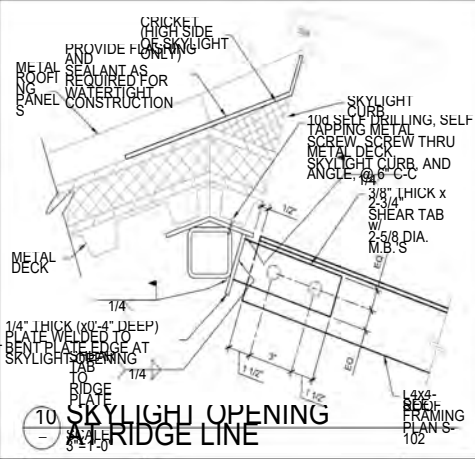
BUILDING AND SAFETY DIVISION
Department of Public Works
CITY OF LOMITA
PUBLIC WORKS
This set of plans and specifications must be read in their entirety at all times. It is the responsibility of the contractor to make any modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The contractor shall be deemed to be in approval of any work or activity that violates any provisions of the County Ordinance or State Law.



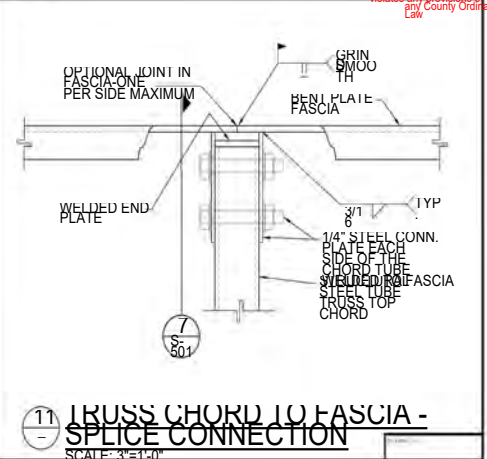
8 - REMOVE EXISTING MASONRY ANCHORS
SCALE: 3\"/>



9 - RIDGE LINE TO END WALL CONNECTION
SCALE: 1 1/2"=1'-0"



10 - SKYLIGHT OPENING AT RIDGE LINE
SCALE: 3\"/>



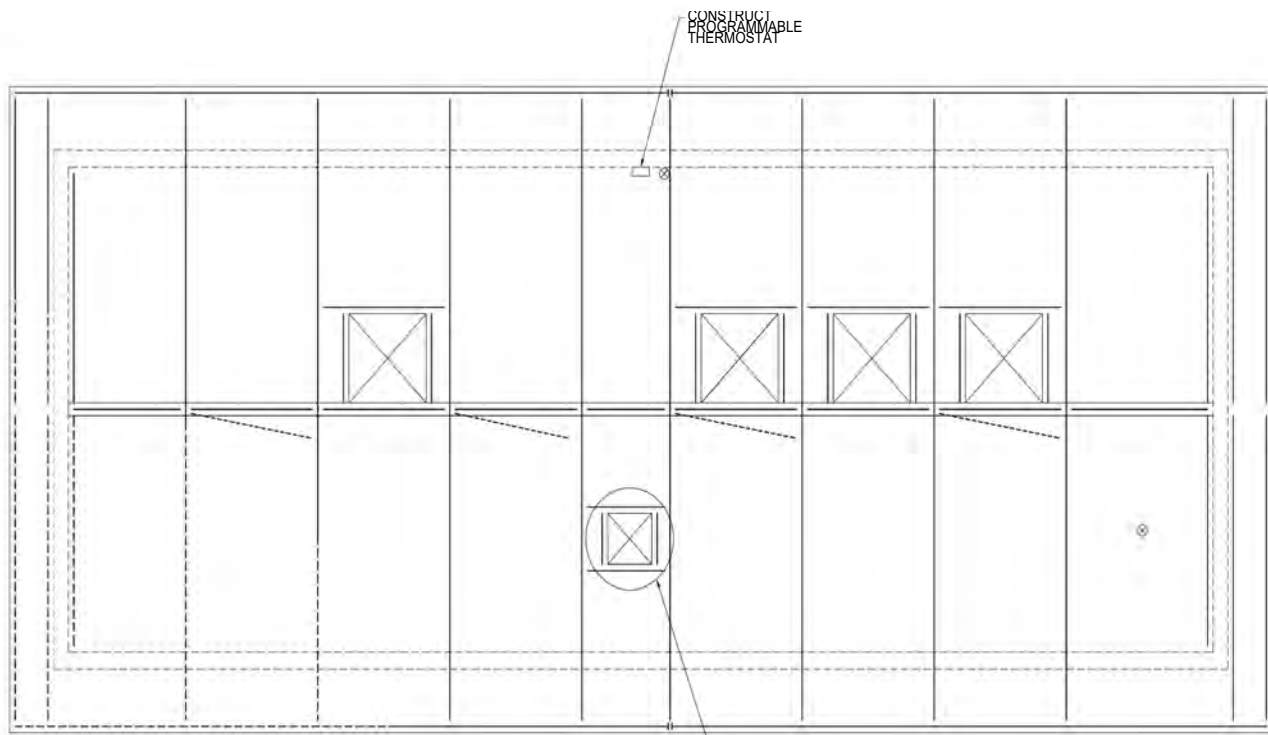
11 - TRUSS CHORD TO FASCIA - SPLICE CONNECTION
SCALE: 3\"/>



NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
STRUCTURAL DETAILS 2

S-502
200-99353-23001

This set of drawings and specifications must be kept on file and it is unlawful to make any modifications or alterations to these plans or specifications without the prior written permission of the Building Official. The drawings and specifications SHALL NOT, under any circumstances, be deemed to permit or to be an approval of any work or activity that violates any provisions of any County Ordinance or State Law.



CONSTRUCT PROGRAMMABLE THERMOSTAT

CONSTRUCT ROOF CURB SIDE EXHAUST FAN, CUBE (3/4 HP, 2500 CFM, 1485 RPM) OR APPROVED EQUAL PER STRUCTURAL PLANS FOR ANCHORAGE

MECHANICAL PLAN
 SCALE: 3/8"=1'-0"



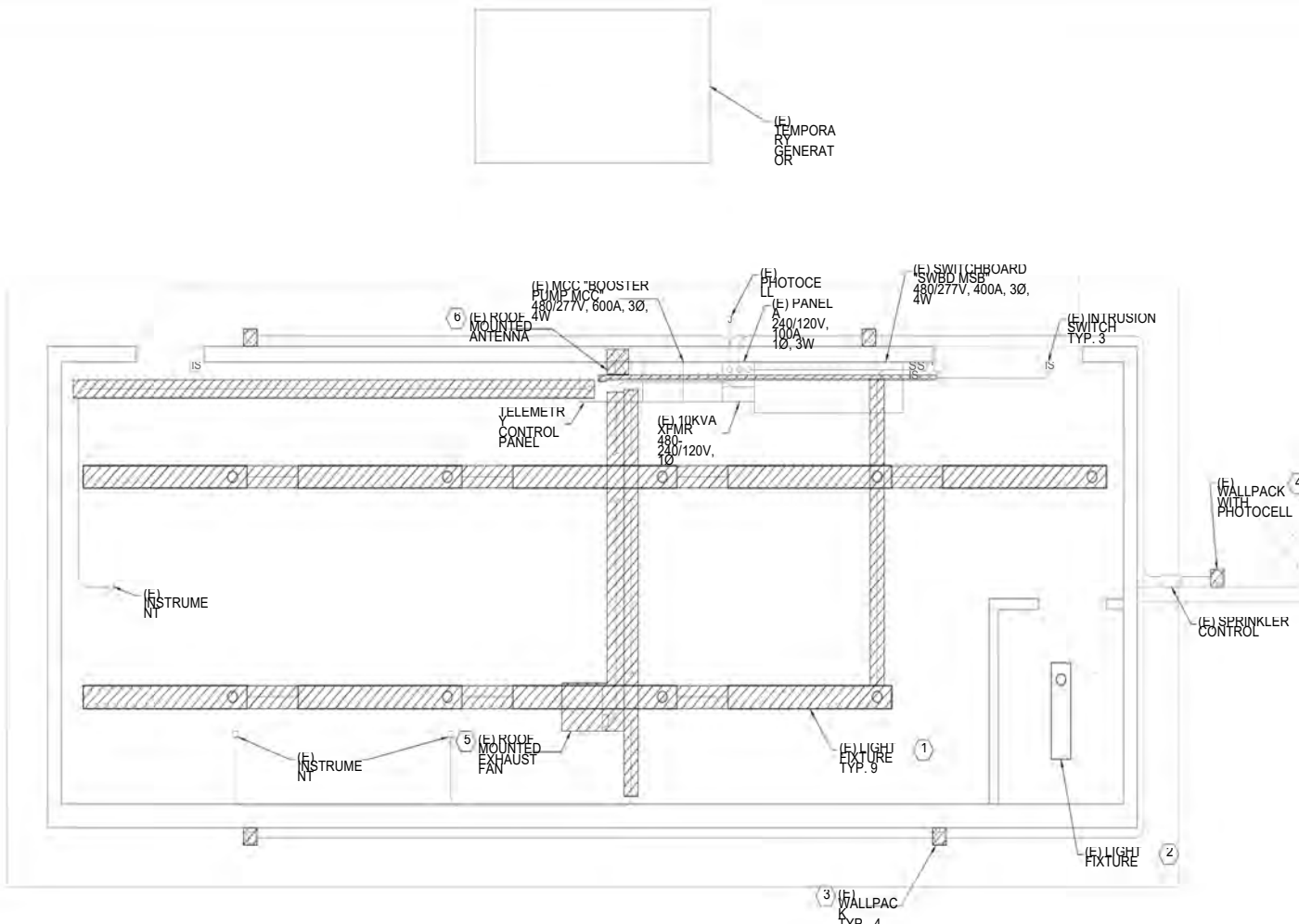
CITY OF LOMA
 PUBLIC WORKS DEPARTMENT
 2500 UNIVERSITY AVENUE, SUITE 200
 LOMA, CALIFORNIA 95653
 TEL: 925-269-7200 FAX: 925-269-7201



DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT NO.: _____

NEW ROOF DESIGN FOR APPIAN WAY
 PUMP STATION
 MECHANICAL PLAN

PROJECT NO.	M-15.1
DATE	
SCALE	
200-09353-23001	
11	14



- GENERAL NOTES**
1. THE SCOPE OF WORK IS TO REPLACE THE WOODEN ROOF WITH A STEEL ROOF. THE EXISTING ROOF MOUNTED EXHAUST FAN WILL BE REPLACED WITH A NEW CEILING AND OUTDOOR LIGHTS SHALL BE REMOVED AND ANY WORK DETACHED FROM THE EXISTING ELECTRICAL FIXTURES.
 2. ALL CONDUITS/WIRING ATTACHED TO EXISTING FIXTURES SHALL BE DISCONNECTED AND REMOVED. TEMPORARY CONDUITS AND WIRES SHALL BE REMOVED AND WIRES SHALL BE PUMP STATION IN OPERATION DURING THE DEMOLITION WORK.
 3. THE EXISTING PHOTOCELLS SHALL BE REMOVED AND NEW PHOTOCELLS SHALL BE INSTALLED ON THE ROOF FROM OLD PHOTOCELLS CONNECTIONS TO NEW CONDUIT ONLY. PHOTOCELLS ARE SCHEMATIC/DIAGRAMMATIC.

- CONSTRUCTION NOTES**
1. EXISTING LIGHT FIXTURES SHALL BE REMOVED AND DISPOSED PRIOR TO ROOF REMOVAL. NEW LIGHTS WILL BE INSTALLED AFTER THE NEW ROOF IS FINISHED. REFER TO THE REVISIONS TO BE REMOVED.
 2. EXISTING WALLPACKS SHALL BE REMOVED AND DISPOSED. THESE WALLPACKS WILL BE REPLACED WITH NEW WALLPACKS. REFER TO THE REVISIONS FOR MORE DETAILS.
 3. EXISTING CONDUITS/WIRES SHALL BE REMOVED AND DISPOSED. CONDUITS/WIRES SHALL BE REPLACED WITH NEW CONDUITS/WIRES. REFER TO THE REVISIONS FOR MORE DETAILS.
 4. EXISTING PHOTOCELLS SHALL BE REMOVED AND DISPOSED. NEW PHOTOCELLS SHALL BE INSTALLED AFTER THE NEW ROOF IS FINISHED. REFER TO THE REVISIONS FOR MORE DETAILS.
 5. EXISTING SPRINKLER CONTROL SHALL BE REMOVED AND DISPOSED. NEW SPRINKLER CONTROL SHALL BE INSTALLED AFTER THE NEW ROOF IS FINISHED. REFER TO THE REVISIONS FOR MORE DETAILS.
 6. EXISTING ROOF MOUNTED ANTENNA SHALL BE REMOVED AND DISPOSED. NEW ANTENNA SHALL BE INSTALLED ON A ROOF MOUNTED EXHAUST FAN AND DIRECTED TO THE TELEMETRY CONTROL PANEL PRIOR TO ROOF REMOVAL.

1 ELECTRICAL DEMO PLAN
SCALE: 3/8"=1'-0"



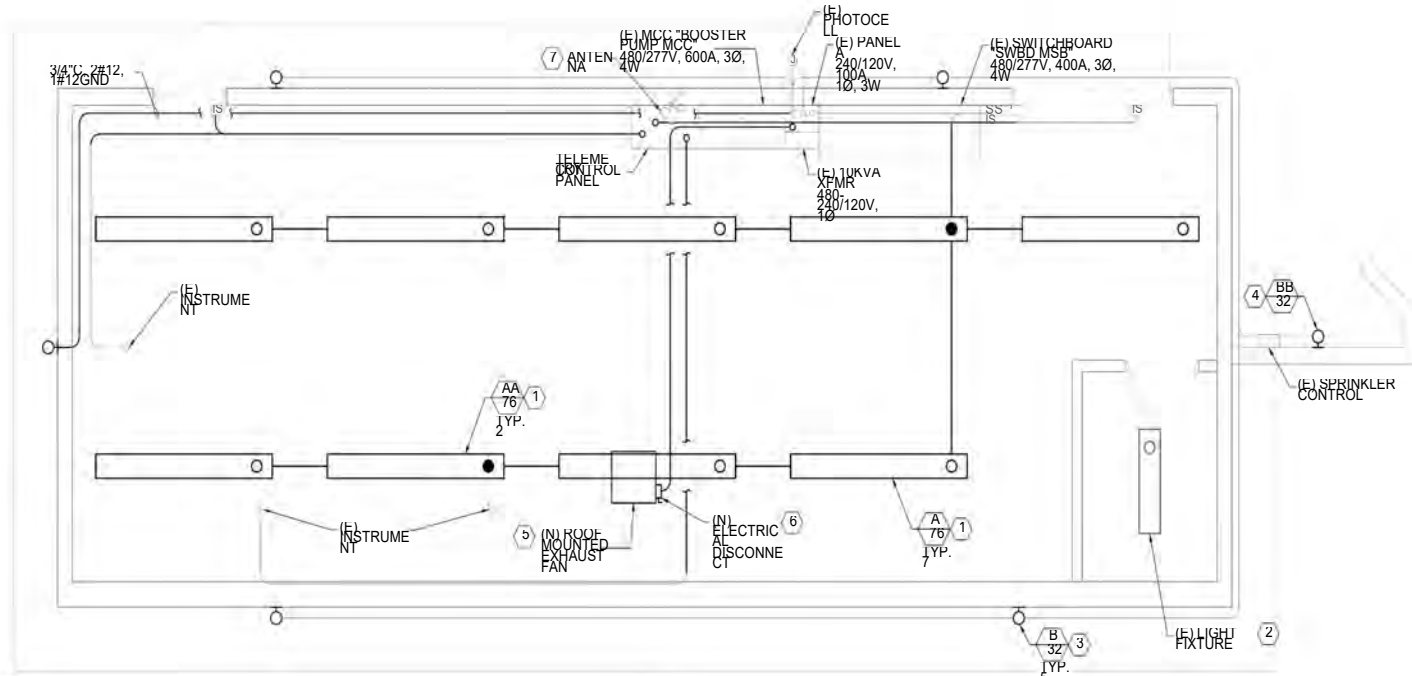
City of Los Angeles
PUBLIC WORKS DEPARTMENT
24300 HARBORE AVENUE, 2ND FL. LOS ANGELES, CA 90027
TEL: (213) 320-3100 FAX: (213) 320-4039

NO.	DATE	BY	DESCRIPTION	APPROVED

DESIGNED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 APPROVED BY: _____ DATE: _____

NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
ELECTRICAL DEMOLITION PLAN

PROJECT NO.	100-1925-0-000
DATE	02/9/20
SCALE	AS SHOWN
PROJECT	NEW ROOF DESIGN FOR APPIAN WAY PUMP STATION
DATE	02/9/20
SCALE	AS SHOWN



- GENERAL NOTES**
1. THE SCOPE OF WORK IS TO REPLACE THE WOODEN ROOF WITH A STEEL ROOF. THE EXISTING ROOF MOUNTED EXHAUST FAN SHALL BE REPLACED WITH A NEW CAN. THE EXISTING CEILING AND OUTDOOR LIGHTS SHALL BE REMOVED. ANY WORK DETAIL SHALL BE INSTALLED ON THE NEW ROOF EXISTING DETAIL SHALL BE REMOVED.
 2. ALL CONDUIT LOCATIONS ARE SCHEMATIC DIAGRAMMATIC.
 3. EXPOSED CONDUITS SHALL BE GALVANIZED RIGID STEEL CONDUITS. ELECTRICAL METALLIC TUBING IS ACCEPTABLE FOR INDOOR LIGHTING.

- CONSTRUCTION NOTES**
1. NEW LIGHT FIXTURES WILL BE INSTALLED AT THE SAME LOCATIONS AFTER THE NEW ROOF IS INSTALLED.
 2. EXISTING LIGHT FIXTURES IN THE REST ROOM TO BE KEPT IN PLACE.
 3. INSTALL NEW WALLPACK AND CONDUIT WIRES.
 4. INSTALL NEW WALLPACK WITH PHOTOCELL AND EXISTING CONDUIT WIRES.
 5. MOUNTED EXHAUST FAN SHALL BE INSTALLED ON THE ROOF AND NEAR THE NEW ROOF MOUNTED EXHAUST FAN SHALL BE INSTALLED AND SUPPORTED ATTACHED IN THE ORIGINAL LOCATION AT THE SIMILAR HEIGHT AND DIRECTION AFTER THE NEW ROOF HAS BEEN INSTALLED.

ELECTRICAL SITE PLAN
SCALE: 3/8"=1'-0"

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	FIXTURE TYPE	FIXTURE MANUFACTURER	LED	VOLTS	WATTAGE	LAMP TYPE	DESCRIPTION AND VARIATIONS	MANUFACTURER AND CATALOG NO.
A 76	•			120	1	76	NEMA 4X FIBERGLASS HOUSING PENDANT MOUNTING, FEM LED LUMINAIRE WITH 5000K COLOR TEMPERATURE, DIMMABLE WITH FITTINGS ON BOTH ENDS AND DUAL PENDANT MOUNTING BRACKETS.	LITHO NEMA-L96-12000L-M-LPACL-MD-G210-50K-50CRI OR APPROVED EQUAL.
AA 76	•			120	1	76	NEMA 4X FIBERGLASS HOUSING PENDANT MOUNTING, FEM LED LUMINAIRE WITH 5000K COLOR TEMPERATURE, DIMMABLE WITH FITTINGS ON BOTH ENDS AND DUAL PENDANT MOUNTING BRACKETS.	LITHO NEMA-L96-12000L-M-LPACL-MD-G210-50K-50CRI OR APPROVED EQUAL.
B 32	•			120	1	32	LED WALL PACK, PRISMATIC GLASS LENS, IP65 RATED, 5000K COLOR TEMPERATURE.	LITHONIA LTV2-L-P2-50K-MVOLT-PE OR EQUAL.
BB 32	•			120	1	32	LED WALL PACK, PRISMATIC GLASS LENS, IP65 RATED, 5000K COLOR TEMPERATURE, EQUIPPED WITH PHOTOCELL.	LITHO LTV2-L-P2-50K-MVOLT-PE OR EQUAL.



NO.	DATE	BY	DESCRIPTION



NEW ROOF DESIGN FOR APIAN WAY PUMP STATION

ELECTRICAL SITE PLAN

PROJECT NO: 1908-19100-0100

DATE: 02/9/20

**APPEN
DIX I
CONSTRUCTION AND
DEMOLITION
DEBRIS RECYCLING
SUMMARY**

CONSTRUCTION AND DEMOLITION

DEBRIS RECYCLING SUMMARY

Project Type: Roadway and/or Bridge/Structure Traffic Signal/Street Lighting
 Water/Sewer Other
 Project Name: _____ Date: _____

City Contract No. _____

Project Location: _____

Project Guide Page/ Grid No(s): _____ To: _____

Duration: _____ \$ _____

Recycling Cost: _____

Contractor Name	Total Quantity	Total Reuse/Recycling	Total Disposal	Total Recycling	Total
Debris Type(s) of	Quantity	Quantity	Quantity	Quantity	Quantity
Generate	Generate	Reuse/Recycling	Disposal	Disposal	Quantity
Contractor Address:	c.y.	or	Site	Facility	Quantity
Asph	(tons, c.y. or units)				(tons, c.y. units)
Concrete					
Green Waste					
Metal (ferrous)					
Metal (non-ferrous)					
Mixed Debris					
Soil/Wood Waste					
Other:					
Total					

- Notes
- Other debris types may include, but are not limited to: Ash, Cardboard, Asbestos, Pipes, Blasts, Pallets, Clearing Debris, Non-ferrous and Tires.
 - Attach additional sheets if necessary.
 - If the debris is taken to a transfer station solely for the purpose of reuse/recycling, it must transfer to a transfer station for the purpose of transfer to a disposal facility.
 - If the debris is taken to a transfer station for the purpose of transfer to a disposal facility, it must transfer to a transfer station as the disposal facility.

Prepared by _____ Signature
 Phone #: _____

**APPEN
DIX IT
INSPECTION RECORD
FOR LOS ANGELES
COUNTY DIVISION OF
BUILDING AND
SAFETY**



COUNTY OF LOS ANGELES INSPECTION RECORD

Hours: 8:00 AM - 4:30 PM

Job Address:

Monday, Friday

Permit No.

(310) 534-3760

24320 SOUTH NARBONNE AVENUE

LOMITA, CA 90717

Description:

NO.	INSPECTOR	DATE	INSPECTOR
-----	-----------	------	-----------

Building Inspection and Approvals			
B1	Location/ setbacks		
B2	Engineer		
B3	Foundation/Footing		
B4	Structural/Truss		
B5	Walls/Partitions		
B6	Floor Slab & Steel		
B7	Raised Floor		
B8	Framing		
B9	Underfloor		
B10	Insulation		
B11	Interior/Exterior		
B12	Roof/Attic		
B13	Staircase		
B14	Handrails		
B15	Handrails		
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B18	Handrails		
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B100	Handrails		

Do Not Cover Walls Until Frame, Mechanical, & Plumbing Have Been Signed

Electrical Inspection and Approvals			
E1	Temporary Power		
E2	Service/Upgrade		
E3	Ground		
E4	Underground		
E5	Rough		
E6	Rough		
E7	Wiring		
E8	Dist		
E9	Panel		
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E100	Panel		

NO.	INSPECTOR	DATE	INSPECTOR
-----	-----------	------	-----------

Mechanical Inspection and Approvals			
M1	Mechanical		
M2	Exhaust		
M3	Vent		
M4	Combustion		
M5	Mechanical		
M6	Duct		
M7	Compressor		
M8	Thermostat		
M9	Fire		
M10	Dampers		
M11	Smoke		
M12	Smoke		

Plumbing Inspection and Approvals

P1	Water Service		
P2	Water		
P3	Water Lines		
P4	Rough Gas		
P5	Piping		
P6	Rough		
P7	Plumbing		
P8	Sewer		
P9	(Public/Private)		
P10	Backflow		
P11	Water		
P12	Water		
P13	Water		
P14	Water		

Plumbing Other Approvals

O1	Spec. Insp. Reports		
O2	Methane System		
O3	Grading		
O4	Agency Approvals		
A1	Department		
A2	Construction Division		
A3	Environmental Prog.		
A4	Highway Department		
A5	ACMD		
A6	Department		
A7	Department		
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A50	Department		

THIS PERMIT CARD AND THE APPROVALS HEREON ARE TO BE KEPT IN A CONSPICUOUS PLACE ACCESSIBLE TO THE INSPECTOR... BE THE DUTY OF THE APPLICANT TO CAUSE THE WORK TO REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES. PERMITS WILL BE VOIDED IF WORK IS NOT STARTED WITHIN 180 DAYS OR IS SUSPENDED FOR A PERIOD EXCEEDING 180 DAYS.

**APPEN
DIX III^N
ASBESTOS TEST
RESULTS**



EMSL Analytical, Inc.

200 Route 130 North
Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 688-5300

EMSL Order:

042406352

Customer ID:

CLARS3

Project:

Customer PO:

Attention: Christian

Goerrissen
Email: christian@emsl.com
Phone: (818) 402-9844
4295
Crowsworth, CA
91313

Phone: (818)
402-9844

Received Date: (818)
03/27/2024 9:40 AM

Analysis Date:
04/01/2024

Collected Date:

Project: 10000154 / 26255 Appian Way
Lomita / City Water System

Test Report: Asbestos Analysis of Bulk Materials via ASHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample ID	Location	Asbestos Type	Fibrous (%)	Non-Fibrous (%)	Asbestos Type
0154B-1	Roof Southwest Corner - Cement	Clay Fibrous Homogen	3% Cellulose Synthetic	97% Non-fibrous (Other)	None Detected
0154B-2	Roof Southwest Corner - Felt	Black Fibrous Homogen	8% Cellulose	92% Non-fibrous (Other)	None Detected

Analyst:
Andrea Doughty (2)

Samantha Rundstrom,
Laboratory Manager
or Other Approved
Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 Interim Method) supplemented with procedures described in the optional version of the method. This report must not be used by the client to claim approval for use in litigation or for enforcement by N.J.A.C. 17:27 or any agency of the federal government. Non-triable organically bound materials present a problem matrix and therefore initial reports require gravimetric reduction prior to analysis. Unless requested, initial reports for materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single layer. Estimated uncertainty is available on request.

Printed: 4/1/2024 5:03 PM

Page 1
of 1



042406352
5 DAYS

Chain of Custody Form- Bulk Sampling

CSC Job # 10000154	Sampling By Christian Goerrissen	Date Taken March 26, 2024	# Samples 2	Page # 1	of 1	Total Pages 1
Job Name & Location Lomita Railroad Museum 2437-260 th Street Lomita, CA 90717			Customer Id No.: BOA Architecture			
Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy			Lab Submitted to: FETSC			
ID #	Material Description	HM	Location of Sample	Condition	Friable	Quantity
31	Cement Roof Shingles	1	Roof SW	Green	NO	~2000
32	Roof Felt	2	Roof	Green	✓	✓
CONDITION CODE				FRIABLE CODE		HOMOGENEOUS CODE
G= GOOD D= DUBIOUS				F= FAIR P= POOR		Y= YES N= NO
INSPECTION COMMENTS:				HA= HOMOGENEOUS MATERIAL SF= Square Ft. LF= LINEAR Ft.		
Relinquished By:				Date & Time		
[Signature]				3-26-24 @ 3:00 PM		
Received By:				Date & Time		
[Signature]				3/27/24 May		

RECEIVED
ENVIRONMENTAL
2024 MAR 27 10:09

Clark Seif Clark

BIDDER'S PROPOSAL

APPIAN WAY PUMP STATION ROOF REPLACEMENT

Company: MIK Construction Inc.

Honorable Mayor and Members
of the Lomita City Council
Lomita, California

In accordance with the Notice Inviting Bids pertaining to the receiving of sealed proposals by the City Clerk of the City of Lomita for the above titled improvement, the undersigned hereby proposes to furnish all Work to be performed in accordance with the Plans, Specifications, Standard Drawings, and the Contract Documents, for the unit price or lump sum set forth in the following schedule.

The undersigned hereby acknowledges that he/she has examined the copies of the plans, specifications and all Contract Documents for this project and is fully aware of scope of the work.

The undersigned also acknowledges that he/she has examined the project site and locality where the work is to be performed and the legal requirements and conditions affecting the cost, progress, and performance of the work in strict accordance with the Contract Documents.

The undersigned also acknowledges that timely completion of the project is important to the City. Therefore, time being of the essence, he/she proposes that the work commenced and will be completed within the time specified in the Notice Inviting Bids.

Specification or Items not indicated on Bid Form: The Contractor is to accommodate those portions of the work required by the specifications or contract documents, whose method of payment is not included in other bid items elsewhere.

In addition, bid items costs associated with bonds, insurance, traffic control, labor, equipment, materials, overhead, profits, all other indirect costs shall be considered full compensation for each bid item.

All work shall be completed within 180 working days from the date the notice to proceed is issued by the Engineer.

**PROJECT BID
SCHEDULE**

Item No.	Item Description	Qty	Unit	Unit Price	Total Bid
1	Mobilization and Demobilization (Includes Temporary CMU Walling, Roof Demolition, Haul Away, and Disposal)	1	LS	\$	\$
2	Furnish and install New Roof System	1480	SF	\$31.24	\$46,235.20
3	Furnish and install Acrylic Domed Skylight	4	EA	\$289.23	\$1,156.92
4	Furnish and install Conduit & Wiring	1	LS	\$7,344.20	\$7,344.20
5	Furnish and install Wallpack	6	EA	\$1,821.97	\$10,931.82
6	Furnish and install Ceiling Light	9	EA	\$1,821.95	\$16,397.55
7	Furnish and install Exhaust Fan	1	EA	\$	\$
8	relocate temporary electrical conduit and antenna and provide temporary protection to existing equipment during construction	1	LS	\$28,491.62	\$28,491.62
TOTAL BID				\$625,700.00	\$

TOTAL

BID 625,700
Figures 0.00
(Words)

(Word
BID MAY BE REJECTED IF TOTAL IS NOT
SHOWN IN FIGURES AND WORDS.

CONTRACTOR'S AFFIDAVIT

STATE OF CALIFORNIA }
 }
COUNTY OF Los Angeles }

Peter Moon, being first duly sworn, deposes and says:

- 1. That he is the Vice President
 Title
of MIK Construction Inc.
 (Name of Partnership, Corporation, or Sole Proprietorship)

hereinafter called "Contractor," who has submitted to the City of Lomita a proposal for:
APPIAN WAY PUMP STATION ROOF REPLACEMENT.

- 2. That said proposal is genuine; that the same is not sham; that all statement of facts therein are true.
- 3. That such proposal was not made in the interest or behalf of any person, partnership, company, association, organization or corporation not named or disclosed;
- 4. That the Contractor did not, directly or indirectly, induce, solicit or agree with anyone else to submit a false or sham bid, to refrain from bidding, or to withdraw the bid, to raise or fix the bid price of the Contractor or anyone else, or to raise or fix any overhead, profit or cost element of the Contractor's price or the price of anyone else; and did not attempt to induce action prejudicial to the interest of the City of Lomita, or of any other bidder, or anyone else interested in the proposed contract;
- 5. That the Contractor has not in any manner sought by collusion to secure for itself an advantage over any other bidder or to induce action prejudicial to the interests of the City of Lomita, or of any other bidder or of anyone else interested in the proposed contract;
- 6. That the Contractor has not accepted any bid from any subcontractor or materialman through any bid depository, the bylaws, rules or regulations of which prohibit or prevent the Contractor from considering any bid from any subcontractor or materialman, which is not processed through said bid depository, or which prevent any subcontractor or materialman from bidding to any contractor who does not use the facilities of or accept bids from or through such bid depository;

7. That the Contractor did not, directly or indirectly, submit the Contractor's bid price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any individual or group of individuals, except to the City of Lomita, or to any person or persons who have a partnership or other financial interest with said Contractor in its business.

Dated this 30th day of July, 2024.

Subscribed and Sworn to *Peter Moon* MIK Construction Inc.
Contractor
Vice President
Title

before me this 29 day of July, 2024.

Aaron J. Garcia
Notary Public in and for said.
County and State California
(Seal) Los Angeles



The undersigned furthermore agrees to enter and execute a contract, with necessary bonds, at the unit prices set forth herein and in case of default in executing such contract, with necessary bonds, the check or bond accompanying this bid and the money payable thereon shall be forfeited thereby to and remain the property of the City of Lomita.

The above unit prices include all work appurtenant to the various items as outlined in the Specifications and all work or expense required for the satisfactory completion of said items. In case of discrepancies between unit prices and totals, the unit prices shall govern.

The undersigned declares that it has carefully examined the Plans, Specifications, and Contract Documents, and has investigated the site of the work and is familiar with the conditions thereon.

Contractor MIK Construction Inc.

Date: 7/30/2024 By: Peter Moon

Contractor's State License No.: 921766 Class: ^{B, C39, A}_{C10, C38} Exp. Date: 9/30/2024

Contractor's Address: 11727 Arkansas Street, Artesia, CA 90701

Phone: (562) 941-2400

BID BOND (10%)

KNOW ALL MEN BY THESE PRESENTS: That we, MIK Construction, Inc.

as principal, and Fidelity and Deposit Company of Maryland

as sureties, are held and firmly bound unto the City of Lomita, State of California, in the penal sum of Ten Percent of Total Amount Bid----- dollars (\$ 10% of Bid-----), for the payment whereof we hereby bind ourselves, our successors, heirs, executors or administrators jointly and severally, firmly by these presents.

The condition of this obligation is such that, whereas the above bounded principal is about to file with and submit to the City of Lomita a bid or proposal for the performance of certain work as required in the City of Lomita, said work being: **APPIAN WAY PUMP STATION ROOF REPLACEMENT** in compliance with the Specifications therefor under an invitation of said City contained in a notice or advertisement for bids or proposals; now if the bid or proposal of the said principal shall be accepted and if the said work be thereupon awarded to the principal by said City and if the said principal shall enter into a contract with the said City in accordance with said bid or proposal, or if the bid or proposal of the said principal is rejected, then this bond shall be void and of no effect and otherwise in full force and effect.

WITNESS our hands this 25th day of July, 2024

MIK Construction, Inc.

[Signature]

Principal
Fidelity and Deposit Company of Maryland
Surety/Attorney-in-Fact

[Signature]
Signature Rebecca Haas-Bates, Attorney-in-Fact

Name: Fidelity and Deposit Company of Maryland
Local Address: 777 S. Figueroa Street, Suite 3900
Los Angeles, CA 90017
Phone No.: (213) 270-0600
Fax No.: (213) 270-0845

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

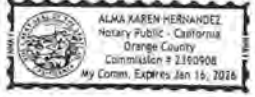
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Orange)
On 07/25/2024 before me, Alma Karen Hernandez, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Rebecca Haas-Bates
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Bid Bond Document Date: 07/25/2024
Number of Pages: One(1) Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Rebecca Haas-Bates Signer's Name: _____
 Corporate Officer — Title(s): _____ Corporate Officer — Title(s): _____
 Partner — Limited General Partner — Limited General
 Individual Attorney in Fact Individual Attorney in Fact
 Trustee Guardian or Conservator Trustee Guardian or Conservator
 Other: _____ Other: _____
Signer Is Representing: _____ Signer Is Representing: _____
Fidelity and Deposit Company of Maryland

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 25th day of July, 2024.



Thomas O. McClellan

Thomas O. McClellan
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reports@claims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

LIST OF SUBCONTRACTORS

APPIAN WAY PUMP STATION ROOF REPLACEMENT

The Bidder is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should familiarize itself with Section 2-3 of the Standard Specifications.

Name Under Which Subcontractor is Licensed: Steel City

License Number: 952843

Address of Office, Mill or Shop: 24300 Narbonne Ave., Lomita, CA 90717

Specific Description of Sub-Contract: Engineering / Shoring / Site Office / Storage

Name Under Which Subcontractor is Licensed: Aceteck

License Number: 916982

Address of Office, Mill or Shop: 13219 Halldale Ave., Gardena, CA 90249

Specific Description of Sub-Contract: Demolition / Standing Seam Metal Roof / Skylight

Name Under Which Subcontractor is Licensed: Juno Electric

License Number: 925889

Address of Office, Mill or Shop: 951 S. Meridian Ave. Alhambra, CA 91803

Specific Description of Sub-Contract: Electrical Rough / Finish

Name Under Which Subcontractor is Licensed: SPEC Painting

License Number: 1080771

Address of Office, Mill or Shop: 407 W. Imperial Hwy, Ste H312, Brea, California 92821

Specific Description of Sub-Contract: Painting

Subcontractors listed in accordance with the provisions of Section 2-3 must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work.

LIST OF SUBCONTRACTORS

APPIAN WAY PUMP STATION ROOF REPLACEMENT

The Bidder is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should familiarize itself with Section 2-3 of the Standard Specifications.

Name Under Which Subcontractor is Licensed: Shoreline Constructors Inc.

License Number: 965385

Address of Office, Mill or Shop: PO Box 7029, Ventura, CA 93006

Specific Description of Sub-Contract: Structural Steel / Metal Deck

Name Under Which Subcontractor is Licensed: KP Electric Co Inc

License Number: 1000909

Address of Office, Mill or Shop: 2007 Raymer Ave Ste S, Fullerton, CA 92833

Specific Description of Sub-Contract: Lighting Fixtures

Name Under Which Subcontractor is Licensed: I Tech Mechanical Contractor, Inc.

License Number: 965751

Address of Office, Mill or Shop: 421 S. Van Ness Ave Los Angeles CA 90020

Specific Description of Sub-Contract: Exhaust Fan

Name Under Which Subcontractor is Licensed: _____

License Number: _____

Address of Office, Mill or Shop: _____

Specific Description of Sub-Contract: _____

Subcontractors listed in accordance with the provisions of Section 2-3 must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work.

CONSTRUCTION PROJECT REFERENCE

(Work similar in magnitude and degree of difficulty completed by Contractor within the past three [3] years.)

1. Name (Firm/Agency): Los Angeles County Department of Public
Address: 900 S Fremont Ave, Alhambra, CA
Contact Person: Dan Carter Telephone No.: 951-522-4001
dcarter@dpw.lacounty.gov
Title of Project: Civic Center Central Plant
Project Location: 301 N Broadway Los Angeles CA
Date of Completion: 4/1/2024 Contract Amount: \$ 367,703.07

2. Name (Firm/Agency): Los Angeles County Internal Services
Address: 1100 N Eastern Ave, Los Angeles CA
Contact Person: Jeffrey Banks Telephone No.: 909-379-9754
jbanks@isd.lacounty.gov
Title of Project: Sheriff CRDF - DM Repairs
Project Location: 11703 S. Alameda St. Lynwood CA 90262
Date of Completion: 5/20/2022 Contract Amount: \$ 2,845,106.87

3. Name (Firm/Agency): Los Angeles County Internal Services
Address: 1100 N Eastern Ave, Los Angeles CA
Contact Person: Thomas Valdez Telephone No.: 510-310-4024
tvaldez@isd.lacounty.gov
Title of Project: Montebello Library
Project Location: 1550 W Beverly Blvd. Montebello CA
Date of Completion: 7/21/2023 Contract Amount: \$ 1,066,018.02

VIOLATIONS OF FEDERAL, STATE OR LOCAL LAWS

1. Has your firm or its officers been assessed any penalties by an agency for noncompliance or violations of Federal, State or Local labor laws and/or business or licensing regulations within the past five (5) years relating to your construction projects?

Yes/No: No Federal/State: N/A

If "yes," identify and describe, (including agency and status): N/A

Have the penalties been paid? Yes/No: N/A

2. Does your firm or its officers have any ongoing investigations by any public agency regarding violations of the State Labor Code, California Business and Professions Code or State Licensing Laws?

Yes/No: No Code/Laws: N/A Section/Article: N/A

If "yes," identify and describe, (including agency and status): N/A

DISQUALIFICATION OR DEBARMENT

Has your firm, any officer of your firm, or any employee who has a proprietary interest in your firm ever been disqualified, removed, or otherwise prevented from bidding on, performing work on, or completing a federal, state or local project because of a violation of law or a safety regulation? Yes/No: No. If yes, provide the following information (if more than once, use separate sheets):

Date: _____ Entity: _____

Location: _____

Reason: _____

Provide Status and any Supplemental Statement: _____

Has your firm been reinstated by this entity? Yes/No: _____

CITY COUNCIL

JIM GAZELEY
MARK WARONEK
HENRY SANCHEZ JR
MICHAEL SAVIDAN
CINDY SEGAWA



CITY OF LOMITA

ADMINISTRATION

ANDREW VIALPANDO
CITY MANAGER

DEPARTMENT OF PUBLIC WORKS

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 1

DATE: JUNE 26, 2024
TO: ALL PROSPECTIVE PARTICIPANTS
SUBJECT: CLARIFICATIONS TO THE NOTICE TO BID

Please note the following changes and/ or additions to the plans and specifications for the project indicated above. The bidder shall execute the certification at the end of this addendum and shall attach the executed addendum to the documents submitted with the bid.

GENERAL

This addendum serves to modify the duration of the project from 180 working days to 80 working days.

Bid Opening due date remains unchanged.

Please sign the attached acknowledgement of receipt of Addendum and enclose the original copy of the acknowledgement in your proposal. If you have any questions or concerns, please call me at (310) 304-4968.

Sincerely,

Frederic Aboujaoude, PE
Principal Engineer

CITY HALL OFFICES • 24300 NARBONNE AVENUE, LOMITA • CALIFORNIA 90717
(310) 325-7110 • FAX (310) 325-4024 • www.lomita.com/cityhall

ACKNOWLEDGEMENT OF ADDENDUM

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 1

Complete and sign this acknowledgement form. Enclose the original copy of the acknowledgement in your proposal. Failure to do so may result in disqualification of your firm's proposal.

The undersigned acknowledges receipt of **Addendum No. 1** dated June 26, 2024.

ATTEST: 
Principal: MIK Construction Inc.
Address: 11727 Arkansas Street, Artesia, CA 90701
By: Peter Moon
Title: Vice President

CITY HALL OFFICES • 24300 NARBONNE AVENUE, LOMITA • CALIFORNIA 90717
(310) 325-7110 • FAX (310) 325-4024 • www.lomita.com/cityhall

CITY COUNCIL

JIM GAZELEY
MARK WARONEK
HENRY SANCHEZ JR
MICHAEL SAVIDAN
CINDY SEGAWA



CITY OF LOMITA

ADMINISTRATION

ANDREW VIALPANDO
CITY MANAGER

DEPARTMENT OF PUBLIC WORKS

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 2

DATE: JULY 16, 2024
TO: ALL PROSPECTIVE PARTICIPANTS
SUBJECT: QUESTIONS FROM PROSPECTIVE BIDDERS

Please note the following changes and/ or additions to the plans and specifications for the project indicated above. The bidder shall execute the certification at the end of this addendum and shall attach the executed addendum to the documents submitted with the bid.

QUESTIONS

This addendum serves to answer questions from bidders as listed below:

1. If awarded the contract, would we be able to schedule a controlled power shutdown of the pump system?
→ Yes, shutdowns would need to be coordinated with the City at least one week in advance.
2. Specification Section 1.02 includes a list of submittal requirements such as AutoCAD drawings, short circuit coordination, and arc flash study report. However, with no additional equipment or circuits being installed, then this would be a study report on existing systems. Therefore, is this still necessary? Will the City be supplying the report, if needed?
→ The requirement for CAD files and electrical study are not required for this project. We are not changing the power equipment; therefore the study is not required.

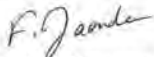
CITY HALL OFFICES • 24300 NARBONNE AVENUE, LOMITA • CALIFORNIA 90717
(310) 325-7110 • FAX (310) 325-4024 • www.lomita.com/cityhall

3. Are U.S.A Materials required? If so, is a "Made in USA" label required?
- Materials do not have to be made in America. The Buy America provision does not apply to this project.
4. If we submit drawings for a temporary hard lid with 14" x 2" trusses with 1/2" plywood, will this suffice and replace the requested shoring/bracing? We believe that this is sufficient to protect the pump equipment and electrical. It would also work as a platform for the demolition and installation portions of the work.
- Yes, this is feasible. The contractor should submit temporary support layout and calculations for the City to review to confirm the adequacy.
5. Can we temporarily remove the sound barriers?
- Yes. The contractor can remove the sound barriers and reinstall them after the roof construction is completed. The contractor will be responsible for any damage of the sound barriers during the construction.
6. Can you clarify where the temporary location of the antenna should be?
- The temporary location of the antenna should be within the pump station site north of the pump station building. The contractor may need to construct a temporary support outside of the pump station OR to install a temporary wall mounted support to the pump station wall to support the antenna during the roof construction. The final location should be coordinated with the city. The temporary antenna should be located at the same elevation and pointing to the same direction as the existing antenna.
7. Can we provide our welder's shop drawings and have your city engineer stamp them or will we be required to hire an additional engineer for the stamp?
- The steel shop drawings for the roof framing does not need to be stamped and signed by a California Professional Engineer. However, the drawings shall be submitted for review and approval to the City as a submittal.

Bid Opening due date remains unchanged.

Please sign the attached acknowledgement of receipt of Addendum and enclose the original copy of the acknowledgement in your proposal. If you have any questions or concerns, please call me at (310) 304-4966.

Sincerely,



Frederic Aboujaoude, PE
Principal Engineer

CITY HALL OFFICES • 24300 NARBONNE AVENUE, LOMITA • CALIFORNIA 90717
(310) 325-7110 • FAX (310) 325-4024 • www.lomita.com/cityhall

ACKNOWLEDGEMENT OF ADDENDUM

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 2

Complete and sign this acknowledgement form. Enclose the original copy of the acknowledgement in your proposal. Failure to do so may result in disqualification of your firm's proposal.

The undersigned acknowledges receipt of **Addendum No. 2** dated July 16, 2024.

ATTEST:



Principal:

MIK Construction Inc.

Address:

11727 Arkansas Street, Artesia, CA 90701

By:

Peter Moon

Title:

Vice President

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CITY COUNCIL

JIM GAZELEY
MARK WARONEK
HENRY SANCHEZ JR
MICHAEL SAVIDAN
CINDY SEGAWA



CITY OF LOMITA

ADMINISTRATION

ANDREW VIALPANDO
CITY MANAGER

DEPARTMENT OF PUBLIC WORKS

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 3

DATE: JULY 22, 2024
TO: ALL PROSPECTIVE PARTICIPANTS
SUBJECT: CLARIFICATION TO THE NOTICE TO BID

Please note the following changes and/ or additions to the plans and specifications for the project indicated above. The bidder shall execute the certification at the end of this addendum and shall attach the executed addendum to the documents submitted with the bid.

GENERAL

This addendum serves to revise the contract duration to 120 days.

Bid Opening due date remains unchanged.

Please sign the attached acknowledgement of receipt of Addendum and enclose the original copy of the acknowledgement in your proposal. If you have any questions or concerns, please call me at (310) 304-4968.

Sincerely,

A handwritten signature in cursive script, appearing to read "F. Aboujaoude".

Frederic Aboujaoude, PE
Principal Engineer

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ACKNOWLEDGEMENT OF ADDENDUM

APPIAN WAY PUMP STATION ROOF REPLACEMENT PROJECT

ADDENDUM No. 3

Complete and sign this acknowledgement form. Enclose the original copy of the acknowledgement in your proposal. Failure to do so may result in disqualification of your firm's proposal.

The undersigned acknowledges receipt of **Addendum No. 3** dated July 22, 2024.

ATTEST:



Principal:

MIK Construction Inc.

Address:

11727 Arkansas Street, Artesia, CA 90701

By:

Peter Moon

Title:

Vice President

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Minutes of Boards of Directors Meeting
Of
MIK Construction Inc.

Director's meeting was held at 8022 Westman Avenue, Whittier, CA 90606 on the 31st of August 2022 at 9:00 AM of said day.

Present at this session of the meeting:

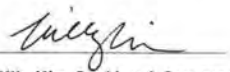
- Billy Kim, the President of said corporation.
- Peter Moon, the Vice President of said corporation.

On motion duly made and carried by affirmative vote of a majority of directors present at the meeting, the following resolutions were adopted:

Resolved, that only one signature is required, the President or Vice President, for signing of bidding documents and contracts to represent MIK Construction Inc.

There being no other business to come before the meeting, it was adjourned on motion and duly made and carried.

Dated:



Billy Kim, President & Secretary