



CITY OF CHANDLER JOB ORDER PROJECT AGREEMENT

Project Name: **SEWER MANHOLE REHABILITATION 2022 – PROJECT 1**

Project No. **WW2208.401**

This JOB ORDER PROJECT AGREEMENT ("Job Order") is made this _____ day of _____ 2023 ("Effective Date"), by and between the City of Chandler, an Arizona municipal corporation, ("City") and **Achen-Gardner Construction, LLC**, an Arizona limited liability company, ("JOC Contractor") and is entered into pursuant to Job Order Master Agreement No. JOC1901.401 ("JOC Master Agreement"). City and JOC Contractor may be referred to individually as "Party" or collectively as "Parties").

City and JOC Contractor, in consideration of the mutual covenants herein set forth, agree as follows:

RECITALS

A. On or about December 12, 2019, the Parties entered into the JOC Master Agreement, which terms and conditions are made a part of and incorporated into this Job Order Project Agreement by this reference.

B. City proposes to engage JOC Contractor for rehabilitation of 26 sanitary sewer manholes, as more fully described in **Exhibit "A"**, which is attached to and made a part of this Job Order by this reference.

C. JOC Contractor is ready, willing, and able to provide the services described in **Exhibit "A"** for the compensation and fees set forth and as described in **Exhibit "B"**, which is attached to and made a part of this Agreement by this reference.

ARTICLE 1. DESCRIPTION OF WORK

The Parties enter into this Job Order Project Agreement for the **SEWER MANHOLE REHABILITATION 2022 – PROJECT 1**, Project Number **WW2208.401**. The scope of work consists of rehabilitation of 26 sanitary sewer manholes, all as more particularly set forth in **Exhibit "A"** attached hereto and incorporated herein by reference.

The JOC Contractor will not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment or change order and signed by the authorized signatories for each party.

Performance and Payment Bonds, as set forth in **Exhibit "C"** and **Exhibit "D"** respectively attached hereto and incorporated herein by reference, will be due prior to execution of each Job Order Project Agreement in the full amount of each Job Order.

At project completion, JOC Contractor must complete Contractor's Affidavit Regarding Settlement of Claims and Certificate of Completion, as set forth in **Exhibit "E"** and **Exhibit "F"** respectively attached hereto and incorporated herein by reference.

ARTICLE 2. PROJECT PRICE

City will pay JOC Contractor for completion of the Work in accordance with the JOC Master Agreement a fee not to exceed the Guaranteed Maximum Price of **\$1,926,699.59** Dollars determined and payable as set forth in JOC Master Agreement and **Exhibit "B"** attached hereto and made a part hereof by reference.

ARTICLE 3. CONTRACT TIME & SCHEDULE

JOC Contractor agrees to complete all Construction within **225** calendar days from the Notice to Proceed (NTP) Date.

ARTICLE 4. PARTICIPANTS

CITY:	Construction Project Manager: Raymond Potts	
	Phone:	480-782-3326
	Email:	Raymond.potts@chandleraz.gov
JOC CONTRACTOR:	Achen-Gardner Construction, LLC	
	2195 W. Chandler Blvd., Ste. 200 Chandler AZ 85224	
	JOC Contractor Representative: Dan Spitza	
	Phone:	480-940-1300
	Email:	dspitza@achen.com

ARTICLE 5. FORCED LABOR OF ETHNIC UYGHURS PROHIBITED By entering into this Agreement, Contractor certifies and agrees Contractor does not currently use and will not use for the term of this Agreement: (i) the forced labor of ethnic Uyghurs in the People's Republic of China; or (ii) any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or (iii) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the Parties have executed this Job Order as of the Effective Date.

"CITY"

CITY OF CHANDLER:

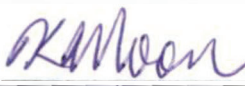
"JOC CONTRACTOR"

Achen-Gardner Construction, LLC.

MAYOR Date

Signature Date
Daniel J. Spitz

Recommended By:


Digitally signed by Kimberley Moon
DN: C=US, E=Kimberly.Moon@ChandlerAZ.gov, O=City
of Chandler, OU=Capital Projects Division, CN=Kimberly
Moon
Date: 2023.08.22 10:16:14-07'00'

Kimberley Moon, P.E.
CIP City Engineer

Print Name

President

Title

ATTEST: If Corporation

APPROVED AS TO FORM:

Secretary

City Attorney

By: 

ATTEST:

ADDRESS FOR NOTICE

Achen-Gardner Construction, LLC

2195 W. Chandler Blvd., Ste. 200

Chandler, AZ 85224

City Clerk SEAL

EXHIBIT A
SCOPE OF WORK



JOC PROPOSAL FOR CITY OF CHANDLER – SEWER MANHOLE REHAB 2022 – PROJECT 1

August 15, 2023

City of Chandler
Mr. Raymond Potts
215 E. Buffalo Street
Chandler, Arizona 85224

City of Chandler Project No.: WW2208.401
Achen-Gardner Construction, LLC Project No.: 3821103

Dear Mr. Potts:

Below please find Achen-Gardner Construction, LLC's ("Achen-Gardner") JOC Proposal ("Proposal") including the Schedule of Values (SOV) for the rehabilitation of 26 manholes.

This JOC Proposal total for the Direct Cost and markups is **\$1,227,967.09** excluding Owner Allowance, Item 230 (\$698,732.50); for a total estimated contract value of **1,926,699.59**. Achen-Gardner does not guarantee the Owner Allowance amount.

Should you have any questions and/or comments, please feel free to contact me at (480) 403-9399 or e-mail dbroderick@achen.com.

Sincerely,
ACHEN-GARDNER CONSTRUCTION, LLC

Dan Broderick, Sr. Project Manager

Attachments

INDEX OF EXHIBITS

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO: WW2208.401

Exhibit A:	Scope of Work / Baseline Project Schedule Assumptions
Exhibit B.0:	Job Order Cost Proposal
Exhibit B.1:	Schedule of Values Manhole Rehab
Exhibit B.2	Schedule of General Conditions
Exhibit B.3	Allowance Summary
Exhibit B.4:	List of GMP Documents
Exhibit B5	Clarifications and Assumptions
Exhibit G	Subcontractor and Supplier Solicitation Documentation, Award Recommendations and Quotes

EXHIBIT A: SCOPE OF WORK

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO: WW2208.401

The overall project scope is to rehabilitate 26 manholes with 11 each located on Andersen Boulevard, 10 each located on Ray Road, and 5 each located near McClintock and Chandler Boulevard. There are 7 each rehabilitated with inserts, 11 each with full coating, and 8 each with partial repairs.

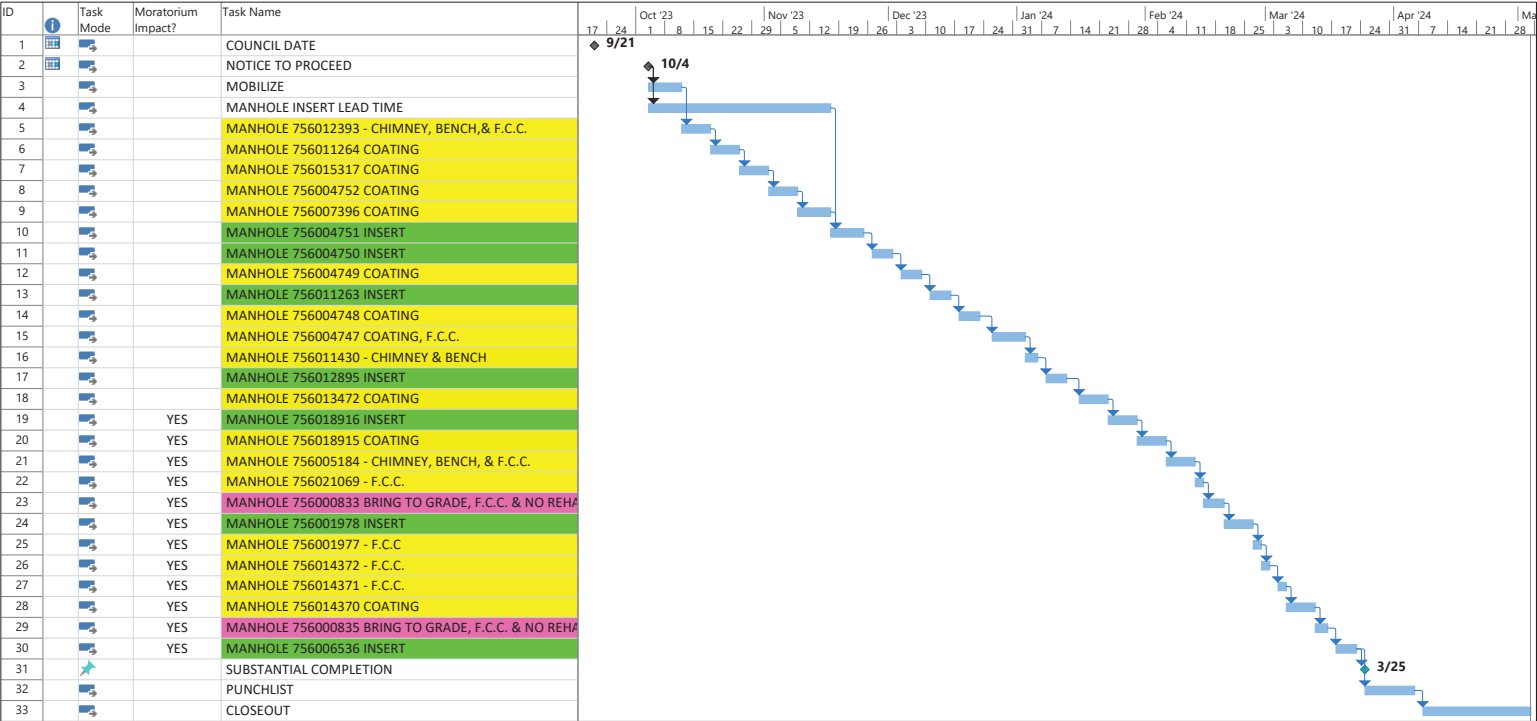
EXHIBIT A: BASELINE PROJECT SCHEDULE

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO: WW2208.401



**EXHIBIT B
FEE SCHEDULE**

EXHIBIT B.0: JOB ORDER COST PROPOSAL

AUGUST 15, 2023
CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1
JOC PROPOSAL
PROJECT NO: WW2208.401

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EXHIBIT "B.0"				
JOB ORDER COST PROPOSAL				
SUMMARY SHEET				
CITY OF CHANDLER - SEWER MANHOLE REHAB 2022 - PROJECT 1 (WW2208.401)				
Negotiated Prices				
	Price of Subcontractor(s)		\$	-
	Price of Subconsultant(s)		\$	-
	General Conditions		\$	298,019.88
	Preconstruction Labor (if applicable)		\$	-
	Construction Labor/Equipment/Materials (if applicable)		\$	750,306.29
		SUBTOTAL (NEGOTIATED PRICES):	\$	1,048,326.17
Overhead and Profit (Coefficient per Job Order Master Agreement)		8.50%	\$	89,107.72
				\$ 1,137,433.89
Insurance, Bonds, & Taxes				
	Sales Tax Percentage (Current Tax Rate)	ENTER TAX % HERE:	5.07%	\$ 59,253.77
	General Liability Insurance Percentage (Actual Cost per Job Order)			\$ 22,179.96
	Builder's Risk Insurance Percentage (Actual Cost per Job Order)		<i>Included</i>	\$ -
	Payment Bond (Actual Cost per Job Order)			\$ 9,099.47
	Performance Bond (Actual Cost per Job Order)		<i>included</i>	\$ -
		SUBTOTAL (INSURANCE, BONDS, & TAXES):	\$	90,533.20
COMBINED TOTAL (TOTAL + INSURANCE, BONDS, & TAXES):			\$	1,227,967.09
City's Allowance			\$	698,732.50
TOTAL JOB ORDER:			\$	1,926,699.59

Per the Job Order Master Agreement - This Fee Table includes all fees, costs, insurance and bond premiums, allowances, construction contingency, and taxes of any type necessary to fully, properly and timely perform and construct the Work. Also per the Job Order Master Agreement - For any portion of the Work which, either through this Contract, Change Order or otherwise, is performed and paid for on a cost, or time and materials basis, the costs may be reimbursed to JOC Contractor and chargeable against the Contract Price will be determined as set forth in MAG 109.5.

EXHIBIT B.1: SCHEDULE OF VALUES MANHOLE REHAB

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO.: WW2208.401

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CITY OF CHANDLER - SEWER MANHOLE REHAB 2022 - PROJECT 1

PROJECT NO.: WW2208.401

JOB ORDER NO.: 03

REVISION # 2
REVISION DATE 8/15/2023

EXHIBIT B.1 - JOB ORDER PROPOSAL (MANHOLE REHAB)

ACHEN-GARDNER CONSTRUCTION, LLC

2195 W. CHANDLER BLVD #200

CHANDLER, AZ 85224

PROJECT NO.: 3821104

PAY ITEM	DESCRIPTION	QUANTITY	UM	UNIT PRICE	TOTAL
1	MOBE/ DEMOBE	26.00	EA	\$ 1,513.00	39,338.00
2	MANHOLE BENCH COATING & REHAB	22.00	EA	\$ 10,191.00	224,202.00
RUNNING TOTAL #1 (MOB/BENCH)					263,540.00
3	MANHOLE 756004747 COATING & F.C.C.	1.00	EA	\$ 16,265.29	16,265.29
4	MANHOLE 756004748 COATING	1.00	EA	\$ 16,498.00	16,498.00
5	MANHOLE 756004749 COATING	1.00	EA	\$ 15,378.00	15,378.00
6	MANHOLE 756004750 INSERT	1.00	EA	\$ 39,606.00	39,606.00
7	MANHOLE 756004751 INSERT	1.00	EA	\$ 40,732.00	40,732.00
8	MANHOLE 756004752 COATING	1.00	EA	\$ 15,598.00	15,598.00
9	MANHOLE 756007396 COATING	1.00	EA	\$ 15,398.00	15,398.00
10	MANHOLE 756011263 INSERT	1.00	EA	\$ 41,410.00	41,410.00
11	MANHOLE 756011264 COATING	1.00	EA	\$ 14,298.00	14,298.00
12	MANHOLE 756012393 - CHIMNEY, BENCH, & F.C.C.	1.00	EA	\$ 8,341.00	8,341.00
13	MANHOLE 756015317 COATING	1.00	EA	\$ 15,798.00	15,798.00
14	MANHOLE 756001978 INSERT	1.00	EA	\$ 38,973.00	38,973.00
15	MANHOLE 756005184 - CHIMNEY, BENCH, & F.C.C.	1.00	EA	\$ 8,341.00	8,341.00
16	MANHOLE 756006536 INSERT	1.00	EA	\$ 41,410.00	41,410.00
17	MANHOLE 756014370 COATING	1.00	EA	\$ 14,498.00	14,498.00
18	MANHOLE 756000833 BRING TO GRADE, F.C.C. & NO REHAB	1.00	EA	\$ 8,603.00	8,603.00
19	MANHOLE 756000835 BRING TO GRADE, F.C.C. & NO REHAB	1.00	EA	\$ 8,603.00	8,603.00
20	MANHOLE 756001977 - F.C.C	1.00	EA	\$ 4,745.00	4,745.00
21	MANHOLE 756014371 - F.C.C.	1.00	EA	\$ 4,745.00	4,745.00
22	MANHOLE 756014372 - F.C.C.	1.00	EA	\$ 4,745.00	4,745.00
23	MANHOLE 756021069 - F.C.C.	1.00	EA	\$ 4,745.00	4,745.00
24	MANHOLE 756011430 - CHIMNEY & BENCH	1.00	EA	\$ 3,595.00	3,595.00
25	MANHOLE 756012895 INSERT	1.00	EA	\$ 37,030.00	37,030.00
26	MANHOLE 756013472 COATING	1.00	EA	\$ 14,498.00	14,498.00
27	MANHOLE 756018915 COATING	1.00	EA	\$ 15,298.00	15,298.00
28	MANHOLE 756018916 INSERT	1.00	EA	\$ 37,615.00	37,615.00
RUNNING TOTAL #2 (MANHOLE REHAB)					486,766.29
JOA PROPOSAL SUBTOTAL #1 & #2 (DIRECT COSTS)					750,306.29
33	GENERAL CONDITIONS (EXHIBIT B.2)	6.00	MO	\$ 49,669.98	298,019.88
RUNNING TOTAL #3 (DIRECT COSTS + GCs)					1,048,326.17
190	OVERHEAD AND PROFIT		%	8.50%	89,107.72
RUNNING TOTAL #4 (DIRECT COSTS + GCs + OH&P)					1,137,433.89
200	INSURANCE		%	1.95%	22,179.96
210	BOND		%	0.80%	9,099.47
RUNNING TOTAL #5 (DIRECT COSTS + GCs + OH&P + INS + BOND)					1,168,713.32
220	SALES TAXES		%	5.07%	59,253.77
RUNNING TOTAL #6 (DIRECT COSTS + GCs + OH&P + INS + BOND + SALES TAXES)					1,227,967.09
230	CITY'S ALLOWANCE (INCL. MARK-UPS) EXHIBIT B.3	1.0	AL	698,732.50	698,732.50
JOA PROPOSAL TOTAL					1,926,699.59

EXHIBIT B.2: SCHEDULE OF VALUES GENERAL CONDITIONS

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO: WW2208.401

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CITY OF CHANDLER - SEWER MANHOLE REHAB 2022 - PROJECT 1					
PROJECT NO.: WW2208.401				REVISION #	2
JOB ORDER NO.: 03				REVISION DATE	8/15/2023
EXHIBIT B.2 - GENERAL CONDITIONS (BID ITEM #33)					
ACHEN-GARDNER CONSTRUCTION, LLC					
2195 W. CHANDLER BLVD #200					
CHANDLER, AZ 85224					
PROJECT NO.: 3821104					
PAY ITEM	DESCRIPTION	QUANTITY	UM	UNIT PRICE	TOTAL
33.01	PROJECT SUPERINTENDENT/VEHICLE	1,056.00	HR	140.71	148,592.97
33.02	PROJECT MANAGER/VEHICLE	264.00	HR	142.40	37,593.39
33.03	PROJECT ENGINEER/VEHICLE	568.00	HR	104.29	59,237.82
33.04	ICE AND WATER	6.00	MO	303.33	1,820.00
33.05	YARD FENCING	6.00	MO	-	0.00
33.06	YARD / FIELD TOILET - 2 EA	6.00	MO	1,000.00	6,000.00
33.07	BUY CONSTRUCTION WATER	800.00	MG	4.19	3,350.00
33.08	SWEEPING	6.00	MO	3,740.00	22,440.00
33.09	END OF PROJECT CLEANUP	1.00	LS	2,443.17	2,443.17
33.10	DUMP FEES FOR END OF PROJECT CLEANUP	1.00	LS	400.00	400.00
33.11	CONCRETE WASHOUT	26.00	EA	543.94	14,142.53
33.12	PROJECT INFORMATION SIGNS	2.00	EA	1,000.00	2,000.00
33.13	YARD RENT	6.00	MO	-	0.00
	GENERAL CONDITIONS (DIRECT COSTS)				298,019.88
33	MONTHLY GENERAL CONDITIONS	6	MO	49,669.98	

EXHIBIT B.3: SCHEDULE OF VALUES ALLOWANCE SUMMARY

AUGUST 15, 2023

CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1

JOC PROPOSAL

PROJECT NO: WW2208.401

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CITY OF CHANDLER - SEWER MANHOLE REHAB 2022 - PROJECT 1					
PROJECT NO.: WW2208.401			REVISION #		2
JOB ORDER NO.: 03			REVISION DATE		8/15/2023
EXHIBIT B.3 - CIT'S ALLOWANCE SUMMARY					
ACHEN-GARDNER CONSTRUCTION, LLC					
2195 W. CHANDLER BLVD #200					
CHANDLER, AZ 85224					
PROJECT NO.: 3821104					
PAY ITEM	DESCRIPTION	QUANTITY	UM	UNIT PRICE	TOTAL
230.01	QC TESTING (ALLOWANCE)	1.00	AL	32,500.00	32,500.00
230.02	F&I FLOW MANAGEMENT (ALLOWANCE)	1.00	AL	56,000.00	56,000.00
230.03	TRAFFIC CONTROL (ALLOWANCE)	1.00	AL	305,214.00	305,214.00
230.04	OFF-DUTY OFFICER (ALLOWANCE)	1.00	AL	52,800.00	52,800.00
230.05	OWNER ALLOWANCE	1.00	AL	150,000.00	150,000.00
230	RUNNING TOTAL #1 (DIRECT COSTS)				596,514.00
	OVERHEAD AND PROFIT		%	8.50%	50,703.69
	RUNNING TOTAL #2 (DIRECT COSTS + OH&P)				647,217.69
	INSURANCE		%	1.95%	12,620.74
	BOND		%	0.80%	5,177.74
	RUNNING TOTAL #3 (DIRECT COSTS + OH&P + INS + BOND)				665,016.18
	SALES TAXES		%	5.07%	33,716.32
	RUNNING TOTAL #4 (DIRECT COSTS + OH&P + INS + BOND + SALES TAXES)				698,732.50

EXHIBIT B4: LIST OF GMP DOCUMENTS

AUGUST 15, 2023

**CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1
JOC PROPOSAL**

PROJECT NO: WW2208.401

- Chandler provided the list with Manhole Information on Project 1 (attached) dated 5/19/23 – 1 page. Document A.1.
- Chandler provided a download link with manhole videos and reports dated 4/15/20.
- Chandler manhole rehab map for sections 9-50 and 9-51 dated 5/11/22 – 2 pages. Document A.3.
- Pro-Pipe provided man entry assessment reports for four manholes dated 7/8/20 – 8 pages. Document A.4.
- Chandler location maps for 5 each manholes dated 9/29/20 – 25 pages. Document A.5.
- Chandler (Ray Potts) email requesting proposal dated 5/24/23 - 2 pages. Document A.6.
- Chandler (Ray Potts) email with City comments dated 8/4/23 1-64 pages. Document A.0.
- Chandler (Ray Potts) email with City comments dated 8/11/23 1-64 pages.

EXHIBIT B5: CLARIFICATIONS AND ASSUMPTIONS

AUGUST 15, 2023
CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1
JOC PROPOSAL
PROJECT NO: WW2208.401

NOTE: This JOC proposal is based on the following clarifications and assumptions.

1. *Fee Exclusions:* JOC proposal excludes all costs associated with City permit and plan review fees, Quality Assurance (QA) (i.e., City inspection and testing) costs, impact fees, and utility company fees, water meters/meter installations except for construction water, and/or any other fees not specifically identified herein.
2. *Unit Price Contract Administration:* This JOC proposal will be administered as a Measured Quantity/Unit Price, Guaranteed Not-to-Exceed Contract. The Schedules of Values (Re: Exhibit B.1) is defined by the individual work/pay items plus fee structure, and markups (re: Exhibit B.1). Final contract price/payout will be based on field measured, final completed quantities at the approved unit prices, approved allowance and/or contingency utilization, and approved change orders. It is understood that these City approved prices including mark-ups are the “Cost of the Work”. The mark-up structure on the Schedule of Values (Exhibit B.1) will apply to Change Orders and/or Extra Work, allowances, and contingencies. The mark-ups for MAG section 109.5 do not apply for this contract. Pay Item under-runs and/or unused items shall fall to Owner’s Allowance for the duration of the project. Quantity over-runs shall be paid at the unit price established in the Schedule of Values for the pay item and shall be paid from Owner’s Allowance or Change Orders.
3. *Aerial Construction Photography:* Achen-Gardner shall provide a pre-construction video/photographs and progress photographs/videos periodically. Aerial videos shall only be provided if FAA and local approval is provided to fly a drone camera. Drone videos if allowed, shall be standard drone footage.
4. *Utility Relocations / Unknown Buried Conflicts:* This JOC proposal excludes all costs associated with removing, replacing and/or relocating any existing buried or overhead dry utilities and/or unknown buried conflicts including PCCP.
5. *Schedule:* The project schedule is based on working standard 8 hour regular daylight shifts that can include some weekends as scheduled and approved by the City. Our schedule excludes delay impacts due to unforeseen material supply chain issues, unforeseen utility impacts (SRP, etc.), unplanned traffic control impacts, working out of sequence, and or impacts from delays.

FEE SCHEDULE ITEM CLARIFICATIONS

ITEM NO.	DESCRIPTION	CLARIFICATION / ASSUMPTION
DIRECT COSTS		
1	Mobilization	• Mobilization & Demobilization • Achen transport of our equipment • Sub Mobilization • Measured and paid on a per each basis.
2	Manhole Bench Coating and Rehab	• Includes subcontractor cleaning to suitable substrate and coating of bench per MAG spec 420-3. • Coat with 250 mills of DFT Raven 405 product. • Debris shields and flow-thru plugs shall be utilized by the coating subcontractor. • Achen Gardner support • Measured and paid on a per each basis.
3-5,8,9, 11-13,15, 17-24,26,27	Manhole Rehab Coating	• Includes subcontractor cleaning to suitable substrate and coating of walls/chimney per MAG spec 420-3. • Coat walls with 250 mills of DFT Raven 405 product. • Install new City furnish rings and covers as called out on Exhibit B.1 schedule of values (F.C.C). • Debris shields and flow-thru plugs shall be utilized by the coating subcontractor. • Achen-Gardner support • Measured and paid on a per each basis
6,7,10,14,16,25,28	Manhole Rehab Insert	• Remove existing cones. • Includes subcontractor cleaning existing bench to suitable substrate and coating of bench per MAG spec 420-3. • Coat with 250 mills of DFT Raven 405 product to interface with new insert. • Furnish and install new Armorock insert. • Annular space to between the existing manhole and the new insert to be filled with grout. • Backfill from cone to existing surface with 1-sack slurry. • Includes asphalt replacement to a maximum of 5”. • Measured and paid on a per each basis.
33	General Conditions	• Includes cost of Project Management – Project Supt., Project Manager, Project Engineer, and vehicles. • Ice/drinking water. • Temporary Facilities (6.0 months) – toilets.. • End of project cleanup. • Sweeping • Constructions water, concrete washout and project informational signs. • Chandler provided yard site. Fencing and yard rental have been removed from estimate. • Measured and paid on a monthly basis.
ALLOWANCES		
230.01	Material Testing (Allowance)	• Quality Control based on MAG testing requirements for frequency and type. • Includes the cost to Pano the completed manhole rehabilitations. • Measured and paid for on a cost-plus markups basis unless unit prices can be utilized where applicable out of owner contingency F2.
230.02	Furnish and Install Flow Management (Allowance)	• Includes flow management consisting of pumps and/or piping to bypass the flow. The bid includes flow thru plugs for the bench repairs.

ITEM NO.	DESCRIPTION	CLARIFICATION / ASSUMPTION
		Measured and paid for on a cost-plus markups basis unless unit prices can be utilized where applicable out of owner contingency F2.
230.03	Traffic Control (Allowance)	- Traffic Control includes barricades and signage for the project. - Traffic Control Plans - includes preparation, submission, and updates of Traffic Control Plans (TCP). - Traffic Control setup & takedown - includes installation, daily maintenance, and removal of barricades and signage in accordance with approved TCP. - Variable message boards with installation and removal labor. - Traffic control includes project plating and milling for plates. - Traffic control includes jersey barrier with installation/removal labor. - Measured and paid for on a cost-plus markups basis unless unit prices can be utilized where applicable out of owner contingency F2.
230.04	Off Duty Police Officer w/ vehicle (Allowance)	- Chandler Off-Duty Police Office and Vehicle. - Hourly rate may be adjusted to match actual costs incurred (<i>City rates could be subject to change during the duration of the project</i>). - Measured and paid for on a cost-plus markups basis unless unit prices can be utilized where applicable out of owner allowance F2.
230.05	Owner's Allowance	- For City requested upgrades and changes per Construction Contract Article 15.4.2 Owner's Contingency. - Measured and paid for on a cost-plus markups basis unless unit prices can be utilized where applicable.
CMAR FEE		
190	CMAR Construction Fee	Measured and paid on calculation of 8.5% of subtotal direct costs, contingencies, allowances, and job overhead.
BONDS AND INSURANCE		
200	Insurance	Measured and paid on calculation of 1.95% of subtotal for direct costs.
210	Performance and Payment Bonds	Measured and paid on calculation of .8% of subtotal for direct costs.
SALES TAX		
220	Gross Receipts Tax	- Calculated based on 65% of 7.8% City of Chandler Sales Tax rate. - Calculation may be adjusted to match actual sales tax incurred (<i>City rates could be subject to change during the duration of the project</i>). - Measured and paid on calculation of 5.07% of subtotal direct costs, contingencies, allowances, job overhead, CMAR fee, bonds and insurance.

EXHIBIT C

PERFORMANCE BOND

ARIZONA STATUTORY PERFORMANCE BOND
PURSUANT TO TITLES 28, 34, AND 41, ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

Bond No. 609206217

KNOW ALL MEN BY THESE PRESENTS THAT: Achen-Gardner Construction, LLC

(hereinafter "Principal"), and Liberty Mutual Insurance Company (hereinafter "Surety"), a corporation organized and existing under the laws of the State of Massachusetts with its principal office in the City of Boston, holding a certificate of authority to transact surety business in Arizona issued by the Director of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto City of Chandler (hereinafter "Obligee") in the amount of *see below (Dollars) (\$ *), for the payment whereof, Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

**One Million, Nine Hundred Twenty-Six Thousand, Six Hundred Ninety-Nine and 59/100ths----- (Dollars) (\$1,926,699.59)*

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated

the 21st day of September, 2023 for construction of **SEWER MANHOLE REHABILITATION 2022 - PROJECT 1, WW2208.401** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copies at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal faithfully performs and fulfills all the undertakings, covenants, terms, conditions and agreements of the contract during the original term of the contract and any extension of the contract, with or without notice of the Surety, and during the life of any guaranty required under the contract, and also performs and fulfills all the undertakings, covenants, terms, conditions, and agreements of all duly authorized modifications of the contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, the above obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this 21st day of September, 2023.

CBI Bonding, Inc.

AGENT OF RECORD

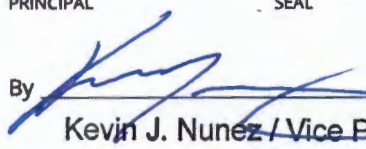
535 E. McKellips Road, #129
Mesa, AZ 85203

AGENT ADDRESS

Achen-Gardner Construction, LLC

PRINCIPAL

SEAL

By: 

Kevin J. Nunez / Vice President

Liberty Mutual Insurance Company

SURETY

SEAL

By: 

Stephanie L. Bucholz, Attorney-in-Fact



EXHIBIT D

PAYMENT BOND

ARIZONA STATUTORY PAYMENT BOND
PURSUANT TO TITLES 28, 34, AND 41, OF THE ARIZONA REVISED STATUTES
(Penalty of this Bond must be 100% of the Contract amount)

Bond No. 609206217

KNOW ALL MEN BY THESE PRESENTS THAT: Achen-Gardner Construction, LLC

(hereinafter "Principal"), as Principal, and Liberty Mutual Insurance Company (hereinafter "Surety"), a corporation organized and existing under the laws of the State of Massachusetts with its principal office in the City of Boston, holding a certificate of authority to transact surety business in Arizona issued by the Director of the Department of Insurance pursuant to Title 20, Chapter 2, Article 1, as Surety, are held and firmly bound unto City of Chandler (hereinafter "Obligee") in the amount of *see below

(Dollars) (\$ *see below), for the payment whereof, the Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

One Million, Nine Hundred Twenty-Six Thousand, Six Hundred Ninety-Nine and 59/100ths---(Dollars) (\$1,926,699.59)

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the 21st day of September, 2023, for construction of **SEWER MANHOLE REHABILITATION 2022 - PROJECT 1, WW2208.401** which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal promptly pays all moneys due to all persons supplying labor or materials to the Principal or the Principal's subcontractors in the prosecution of the work provided for in said contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2 Arizona Revised Statutes, and all liabilities on this bond will be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it were copied at length in this Contract.

The prevailing party in a suit on this bond may recover as part of the judgment reasonable attorney fees that may be fixed by a judge of the court.

Witness our hands this 21st day of September, 2023.

CBI Bonding, Inc.

AGENT OF RECORD

535 E. McKellips Road, #129
Mesa, AZ 85203

AGENT ADDRESS

Achen-Gardner Construction, LLC

PRINCIPAL

SEAL

By

Kevin J. Nunez / Vice President

Liberty Mutual Insurance Company

SURETY

SEAL

By

Stephanie L. Bucholz, Attorney-in-Fact





This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: **8200472-975281**

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Stephanie L. Bucholz, Andrew A. Farr, Barry R. Farr, Gregory P. Griffith, Debra K. Williams

all of the city of Mesa state of Arizona each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 7th day of February, 2019.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By:

David M. Carey
David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 7th day of February, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By:

Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 21st day of September, 2023.



By:

Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

STATE OF ARIZONA

DEPARTMENT OF INSURANCE AND FINANCIAL INSTITUTIONS

This is to certify, that this instrument is a true, full and correct copy of the original on file with the Department of Insurance and Financial Institutions of the State of Arizona and consists of 1 page(s)

Hereunto set my hand and the official seal of this Department for the Director of Insurance and Financial Institutions this 24 February 2021.



Authorized Representative



301815

Certificate No.:



STATE OF ARIZONA



DEPARTMENT OF INSURANCE
CERTIFICATE OF AUTHORITY

I, CHARLES R. COHEN, Director of Insurance of the State of Arizona, do hereby
certify that

LIBERTY MUTUAL INSURANCE COMPANY

Domiciled in Massachusetts

NAIC NO. 23043

has complied with the requirements of the Arizona Revised Statutes and is hereby
authorized, subject to the provisions thereof and the Charter Powers of said
Company to transact the following kinds of insurance:

CASUALTY WITH WORKERS' COMPENSATION

DISABILITY

MARINE AND TRANSPORTATION

PROPERTY

SURETY

VEHICLE

within the State of Arizona until terminated at the request of the insurer or suspended
or revoked by the Director of Insurance.

Arizona Revised Statutes § 20-217 (C) states:

*A Certificate of Authority remains the property of the State of Arizona.
Upon termination at the request of the insurer or revocation by the
Director of Insurance, the insurer shall immediately deliver the
Certificate of Authority to the Director of Insurance.*

In TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official
seal of the Director of Insurance at the City of Phoenix. The effective date of this
Certificate is November 28, 2001.

Charles R. Cohen

Charles R. Cohen
Director of Insurance



11-28-01

0002140
301815

EXHIBIT E

CONTRACTOR'S AFFIDAVIT REGARDING SETTLEMENT OF CLAIMS

_____, Arizona

Date _____

Project Name: **SEWER MANHOLE REHABILITATION 2022 – PROJECT 1**

Project No.: **WW2208.401**

To the City of Chandler, Arizona

Gentlemen:

This is to certify that all lawful claims for materials, rental of equipment and labor used in connection with the construction of the above project, whether by subcontractor or claimant in person, have been duly discharged.

The undersigned, for the consideration of \$_____, as set out in the final pay estimate, as full and complete payment under the terms of the contract, hereby waives and relinquishes any and all further claims or right of lien under, in connection with, or as a result of the above described project. The undersigned further agrees to indemnify and save harmless the City of Chandler against any and all liens, claims or liens, suits, actions, damages, charges and expenses whatsoever, which said City may suffer arising out of the failure of the undersigned to pay for all labor performances and materials furnished for the performance of said installation.

Signed and dated at _____, this _____ day of _____ 20_____.

CONTRACTOR

By _____

STATE OF ARIZONA)
) SS
COUNTY OF MARICOPA)

The foregoing instrument was subscribed and sworn to before me this _____ day of _____
20 _____.

Notary Public

My Commission Expires

EXHIBIT F

CERTIFICATE OF COMPLETION

Project: **SEWER MANHOLE REHABILITATION 2022 – PROJECT 1**
Project No.: **WW2208.401**

(TO BE COMPLETED BY CONTRACTOR)

I HEREBY CERTIFY THAT ALL GOODS AND/OR SERVICES REQUIRED BY CITY OF CHANDLER PROJECT NO. **WW2208.401** HAVE BEEN DELIVERED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND BID SPECIFICATIONS AND ALL ACTIVITIES REQUIRED BY THE CONTRACTOR UNDER THE CONTRACT HAVE BEEN COMPLETED AS OF _____.
(Date)

FIRM NAME: _____

PRINCIPAL: _____
(Name)

(Signature)

(Title) DATE: _____

CERTIFIED BY ENGINEER/CONSULTANT (IF APPLICABLE):

(Signature) DATE: _____

(Firm Name)

PROJECT ACCEPTED BY USER DEPARTMENT

(Signature) DATE: _____

(Dept. /Div.)

_____ Date of Final Walk-Through

_____ Date As-Built Received

_____ City As-Built Number

EXHIBIT G

SUBCONTRACTOR DOCUMENTS WITH JOC CONTRACTOR

Any subcontractor assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the JOC Contractor and their subcontractors, and do not apply to the Agreement between the JOC Contractor and the City.

EXHIBIT G SUBCONTRACTOR AND SUPPLIER SOLICITATION DOCUMENTATION,
AWARD RECOMMENDATIONS, AND QUOTES

AUGUST 15, 2023
CITY OF CHANDLER – SEWER MANHOLE REHAB – PROJECT 1
JOC PROPOSAL
PROJECT NO: WW2208.401

See the following subcontractor and supplier quotes.

- 1) This Proposal is based on recommended awarded subcontractor Southwest Environmental for the manhole rehab scope and if the inserts are required the supplier will be Armorock. The lead time for the inserts is 5- 6 weeks. Their resource values and related proposals/quote clarifications, inclusions, exclusions, escalation clauses, and qualifications are included in the proposal.

Supplier / Subcontractor	Total amount
Armorock (Insert Material)	\$ 97,444
Aims/Southwest Environmental Inc.	\$193,247

Quote Analysis Report

Achen-Gardner Construction, LLC 89 Carl Morsch
 3821101-2-1 CHANDLER SEWR MH REHAB - PROJECT 1

MHREHAB MHREHAB

Vendor Code								AIMS
Vendor Name								AIMS Companies
Vendor Phone								6022370292
Bid	Activity	Resource	Desc	Quan	Unit	Plug Price	Unit Price	
5000	2051020	4CLEANCOAT60	MANHOLE BENCH COATING & R	22.00	EA	5,000.0000	5,000.0000	
6200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	7,217.0000	
8200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	7,450.0000	
10200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	6,330.0000	
12200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	5,365.0000	
15200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	5,900.0000	
17200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	6,550.0000	
19200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	6,350.0000	
21200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	6,810.0000	
23200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	5,250.0000	
25200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	3,150.0000	
27200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	6,750.0000	
29200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	4,750.0000	
31200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	3,150.0000	
33200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	7,050.0000	
35200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	5,450.0000	
37200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
39200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
41200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
43200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
45200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
47200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	2,150.0000	
49200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	1,000.0000	
51200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	4,600.0000	
53200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	5,450.0000	
55200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	1.00	LS	0.0000	6,250.0000	
57200	2051020	4CL&COAT60CY	SPECIAL COATING 60" CYLINDEI	0.00	LS	0.0000	5,465.0000	
Quoted Amount								193,247
Plugged Amount								0
Bond								0
Mobilization								0
% Adjustment								0
\$ Adjustment								0
Total Adjustments								0
Totals						110,000	193,247	
Diff From Plug								0
Total Minority								0

A 'P' beside a price indicates a plug price.
 Green background indicates that the vendor is selected.

Dan Broderick

From: Don McDowell <dmcowell@swetinc.com>
Sent: Monday, June 12, 2023 9:08 AM
To: Carl Morsch; Dan Broderick
Cc: Diego Arriaga
Subject: RE: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal
Attachments: Mh Rehab Quote WW2208 - Chandler Project 1 DM V2.xlsx

Carl, for your review.

Don R. McDowell, AMPP
VP – Infrastructure Rehab



SWE is a division of the AIMS Companies
Office: (602) 331-0888
Cell: (602) 403-1423

From: Carl Morsch <CMorsch@achen.com>
Sent: Monday, June 12, 2023 7:38 AM
To: Don McDowell <dmcowell@swetinc.com>; Dan Broderick <dbroderick@achen.com>
Cc: Diego Arriaga <DArriaga@achen.com>
Subject: RE: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal

Good Morning Don,

Thank you for the pricing sent over the weekend for the coating rehab for these structures. If it is not too much trouble, are you able to separate your pricing per location to the following items. Mobilization including a physical inspection of each location, Bench rehab, and wall rehab with chimneys. Also please include a price for a total rehab of the 3 that you only have listed as chimney and bench in the event something has changed over the past 3 years since the inspection photos were taken.

Thank you for your help and time.

Sincerely,

CARL MORSCH
Senior Estimator

Office: 480.940.1300 | Cell: 602.505.1014 | Email: cmorsch@achen.com

ACHEN-GARDNER CONSTRUCTION

100% EMPLOYEE OWNED

550 South 79th Street | Chandler, AZ 85226

WE ARE MOVING! New Chandler Address as of June 5th: 2195 W. Chandler Boulevard, Suite 200, Chandler AZ 85224

2425 West Wave Hill Court | Tucson, AZ 85705

achen.com | [facebook](https://www.facebook.com) | [twitter](https://twitter.com) | [linkedin](https://www.linkedin.com) | [instagram](https://www.instagram.com) | [youtube](https://www.youtube.com)

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From: Don McDowell <dmcdowell@swetinc.com>
Sent: Friday, June 9, 2023 4:50 PM
To: Dan Broderick <dbroderick@achen.com>
Cc: Carl Morsch <CMorsch@achen.com>; Diego Arriaga <DArriaga@achen.com>
Subject: RE: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal

DB, I included pricing on the supplied spreadsheet. I did not see MH conditions that warranted a polymer insert. Price includes full rehab, structural underlayment to original profile and coating thickness at 250mils per Chandler Tech Specs. There was not a lot of data on the frame and cover conditions – reports said all were corroded / fit was good. Let me know if you want the casting removed and replaced.

Don R. McDowell, AMPP
VP – Infrastructure Rehab



SWE is a division of the AIMS Companies
Office: (602) 331-0888
Cell: (602) 403-1423

From: Dan Broderick <dbroderick@achen.com>
Sent: Friday, June 9, 2023 1:56 PM
To: Don McDowell <dmcdowell@swetinc.com>
Cc: Carl Morsch <CMorsch@achen.com>; Diego Arriaga <DArriaga@achen.com>
Subject: RE: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal

Don – how is the bid comings? We need to get Chandler the bid the first part of next week. Thank you

DAN BRODERICK
Senior Project Manager / Director of Pipeline Rehabilitation
Main: 480.940.1300 | Cell: 602.376.9434 | Email: dbroderick@achen.com

ACHEN-GARDNER CONSTRUCTION
100% EMPLOYEE OWNED

Current Chandler Address: 550 South 79th Street | Chandler, AZ 85226

WE ARE MOVING! New Chandler Address as of June 5th: 2195 W. Chandler Boulevard, Suite 200, Chandler AZ 85224

2425 West Wave Hill Court | Tucson, AZ 85705

achen.com | [facebook](https://www.facebook.com/achenconstruction) | [twitter](https://twitter.com/achenconstruction) | [linkedin](https://www.linkedin.com/company/achenconstruction) | [instagram](https://www.instagram.com/achenconstruction) | [youtube](https://www.youtube.com/channel/UCvQvQvQvQvQvQvQvQvQvQvQ)

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From: Don McDowell <dmcdowell@swetinc.com>
Sent: Tuesday, May 30, 2023 2:41 PM
To: Dan Broderick <dbroderick@achen.com>
Cc: Carl Morsch <CMorsch@achen.com>; Diego Arriaga <DArriaga@achen.com>
Subject: RE: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal

Received, I'll get working on this right away.

Don R. McDowell, AMPP

VP – Infrastructure Rehab



SWE is a division of the AIMS Companies

Office: (602) 331-0888

Cell: (602) 403-1423

From: Dan Broderick <dbroderick@achen.com>
Sent: Tuesday, May 30, 2023 2:26 PM
To: Don McDowell <dmcdowell@swetinc.com>
Cc: Carl Morsch <CMorsch@achen.com>; Diego Arriaga <DArriaga@achen.com>
Subject: WW2208 - Sewer MH Rehab 2022 - Project 1 Proposal

Don – attached please find the link to the videos for 24 out of 26 manholes. Manholes 833 (#16) & 835 (#17) are buried under asphalt. We are looking for you to give your opinion on the type of rehab needed based on the 3-year-old videos. If they need inserts we will provide/install Armorock products with Southwest rehabbing the bench. The other manholes will be completely rehabbed by Southwest. Manhole 11430 (#22) has PVC walls. We would like to get the pricing back by the 9th of June. Don't hesitate to contact us with any questions. Thank you

<https://achen.box.com/s/85nno2rt3d63l502pzdhl1lj05083q14>

DAN BRODERICK

Senior Project Manager / Director of Pipeline Rehabilitation

Main: 480.940.1300 | Cell: 602.376.9434 | Email: dbroderick@achen.com

ACHEN-GARDNER CONSTRUCTION

100% EMPLOYEE OWNED

Current Chandler Address: 550 South 79th Street | Chandler, AZ 85226

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Manhole Information			Type of Repair Recommended													
Count	Location	Manhole EID	Manhole Rehabilitation Recommendation (Based on previous assessment in 2020)	Depth of Manhole - Rim to Invert (ft)	Surface Area (SF)	Pipe Diameter (in)	Depth of Manhole - Rim to top of Pipe (ft)	Barrel Diameter (in)	Ring, Cover, & Collar Replacement Unit Price \$2150.00	Full MH Rehab incl. bench w/250 mils of Epoxy	Bench Rehab Only Unit Price \$5000.00	Chimney and Bench Rehab Unit Price \$6000.00	Chimney and bench Rehab; PVC Point Repairs Unit Price \$6800.00	60" Chimney Wall Unit Price \$37.00SF/\$42.00 SF tloc removal	Manned Entry MH Assessment Unit Price \$750.00 min 3	Uncover and Adjust to Grade
1	Anderson Blvd	756004747	Manhole Rehabilitation	17.2	271	28	14.9	59		\$12,967.00						
2	Anderson Blvd	756004748	Manhole Rehabilitation	17.6	277	28	15.3	60		\$13,200.00						
3	Anderson Blvd	756004749	Manhole Rehabilitation	15.7	247	28	13.4	60		\$12,080.00						
4	Anderson Blvd	756004750	Manhole Rehabilitation	14.8	235	28	12.5	60		\$11,115.00						
5	Anderson Blvd	756004751	Manhole Rehabilitation	14.9	235	21	13.2	59		\$11,650.00						
6	Anderson Blvd	756004752	Manhole Rehabilitation	16.0	252	28	13.7	59		\$12,300.00						
7	Anderson Blvd	756007396	Manhole Rehabilitation	15.7	247	28	13.4	60		\$12,100.00						
8	Anderson Blvd	756011263	Manhole Rehabilitation	16.5	260	28	14.2	61		\$12,560.00						
9	Anderson Blvd	756011264	Manhole Rehabilitation	13.8	217	30	11.3	60		\$11,000.00						
10	Anderson Blvd	756012393	Remove Tloc & Rehab	16.7	263	24	14.7	60		\$14,000.00						
11	Anderson Blvd	756015317	Manhole Rehabilitation	16.3	257	28	14.0	59		\$12,500.00						
12	Ray Rd	756001978	Manhole Rehabilitation	12.9	203	12	11.9	62		\$10,500						
13	Ray Rd	756005184	Chimney and Bench Rehabilitation	11.7	184	15	10.5	60		\$10,715.00			\$6,800.00			
14	Ray Rd	756006536	Manhole Rehabilitation	16.9	266	25	14.8	61		\$12,800.00						
15	Ray Rd	756014370	Manhole Rehabilitation	14.0	221	18	12.5	61		\$11,200.00						
16	Ray Rd	756000833					0.0									
17	Ray Rd	756000835					0.0									
18	Ray Rd	756001977	Reassess in 3 to 5 years	13.5	213	18	12.0	60		\$12,000.00						
19	Ray Rd	756014371	Reassess in 3 to 5 years	12.9	203	15	11.7	58		\$11,550.00						
20	Ray Rd	756014372	Reassess in 3 to 5 years / Clean	13.0	205	15	11.8	60		11,650.00						
21	Ray Rd	756021069	Reassess in 3 to 5 years	11.8	186	15	10.6	60		\$11,800.00			\$6,800.00			
22	ntock & Chandler Vill	756011430	Remove Tloc & Rehab	16.3	257	30	13.8	61		\$13,750.00						
23	ntock & Chandler Vill	756012895	MH Rehabilitation	12.6	198	15	11.4	59		\$10,350.00						
24	ntock & Chandler Vill	756013472	Brick MH Rehab	14	221	15	12.8	59		\$11,200.00						
25	ntock & Chandler Vill	756018915	MH Rehabilitation	15.3	241	15	14.1	60		\$12,000.00						
26	ntock & Chandler Vill	756018916	MH Rehabilitation	14.1	222	15	12.85	57		\$11,215.00						
Subtotal									0	286202	0	0	13600	0	0	0

Quote Analysis Report

Achen-Gardner Construction, LLC 89 Carl Morsch
 3821101-2-1 CHANDLER SEWR MH REHAB - PROJECT 1

MHINSERT MANHOLE INSERTS

Vendor Code								ARMOROCK
Vendor Name								Armorock
Vendor Phone								7028249702
Bid	Activity	Resource	Desc	Quan	Unit	Plug Price	Unit Price	
		2MHINSERTDEL	MANHOLE INSERT DELIVERY	7.00	EA	2,130.0000	2,130.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,739.0000	13,739.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	11,302.0000	11,302.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	10,669.0000	10,669.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	10,669.0000	10,669.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	10,036.0000	10,036.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,036.0000	12,036.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	11,403.0000	11,403.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	10,669.0000	10,669.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	10,669.0000	10,669.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	10,036.0000	10,036.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	12,428.0000	12,428.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	10,669.0000	10,669.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	11,747.0000	11,747.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	0.00	EA	13,106.0000	13,106.0000	
		2MHINSERT	SEWER MANHOLES INSERT MED	1.00	EA	11,254.0000	11,254.0000	
Quoted Amount								97,444
Plugged Amount								0
Bond								0
Mobilization								0
% Adjustment								0
\$ Adjustment								0
Total Adjustments								0
Totals						97,444	97,444	
Diff From Plug								0
Total Minority								0

A 'P' beside a price indicates a plug price.
 Green background indicates that the vendor is selected.



1575 W Horizon Ridge Parkway
#530427
Henderson, NV 89012

207 Heritage Court
Sulphur Springs, TX 75482

1708 Turkey Creek Road
Plant City, FL 33566

702-824-9702
www.armorock.com

Quote Date: 6/8/2023

To:

Ref: Chandler Rehab
Chandler, AZ

Q U O T A T I O N

Notes:

1. Quote is subject to our standard terms, conditions, and shipping policies.
2. Payment is due at Net 30. Late Payment service charge for over 30 days will be charged at 18% APR
3. Quote is valid for 60 days from issue date to receipt of PO after 60 days quote is subject to change based off market value of materials.
4. All applicable taxes are to be paid by purchaser
5. If owner requires items to be grouted in field contractor is responsible for materials and labor costs incurred.
6. All loads will be billed at \$2130 for each truck. Total of five(5) needed for job. Customer will only be billed for trucks used. Additional trucks will be billed at market rate.
7. Freight requested under 3 days notice may be subject to increased freight rates
8. Products will be billed at unit pricing per quotation
9. Rush orders will be priced accordingly.
10. Contractor shall be responsible for joint sealing and performance.
11. Miscellaneous items such as grout, epoxy, and hardware are not included with the structures unless a specific line item is shown on this quote. Additional charges will apply for any extra items that are not shown on this quote.
12. Final lead time is determined at date of approved submittal.
13. Project retention is not allowed.
14. Summation of structure price is for convenience of bidding only. Structures will be billed by components. Customer purchase order needs to match up to component pricing.



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For:

Ref: Chandler Rehab
Chandler, AZ

Quote Date: 6/8/2023

Structure		Description		Height	Weight	Price
Anderson MH 756004747		60" Polymer Rehab		14.90'	6,207	\$13,106
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6035NB	60 IN X 2 FT 11 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756004748		60" Polymer Rehab		15.30'	6,331	\$13,739
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6039NB	60 IN X 3 FT 3 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756004749		60" Polymer Rehab		13.40'	5,618	\$12,428
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6016NB	60 IN X 1 FT 4 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756004750		60" Polymer Rehab		12.50'	5,277	\$11,302
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6053NB	60 IN X 4 FT 5 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
4	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756004751		60" Polymer Rehab		13.20'	5,525	\$12,428
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6013NB	60 IN X 1 FT 1 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756004752		60" Polymer Rehab		13.70'	5,711	\$12,428
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6019NB	60 IN X 1 FT 7 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756007396		60" Polymer Rehab		13.40'	5,618	\$12,428
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6016NB	60 IN X 1 FT 4 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756011263		60" Polymer Rehab		14.20'	5,897	\$13,106
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6025NB	60 IN X 2 FT 1 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		
Anderson MH756015317		60" Polymer Rehab		14.00'	5,866	\$12,428
1	MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB		
1	RMHS6024NB	60 IN X 2 FT POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB		
6	MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE		



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www.armorock.com

For:

Ref: Chandler Rehab
Chandler, AZ

Quote Date: 6/8/2023

Structure	Description	Height	Weight	Price
Anderson MH75611264	60" Polymer Rehab	11.30'	4,874	\$10,669
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6040NB	60 IN X 3 FT 4 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Anderson MH75612393	60" Polymer Rehab	14.70'	6,114	\$13,106
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6032NB	60 IN X 2 FT 8 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
6 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
McCintock MH756018915	60" Polymer Rehab	14.10'	5,897	\$13,106
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6025NB	60 IN X 2 FT 1 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
6 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
McClintock MH756012895	60" Polymer Rehab	11.40'	4,905	\$10,669
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6041NB	60 IN X 3 FT 5 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
McClintock MH756013472	60" Polymer Rehab	12.80'	5,432	\$11,747
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6022NB	60 IN X 1 FT 10 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6036NB	60 IN X 3 FT POLYMER MH SECTION NO BELL REHAB	
1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	4 MASJ	14' X 1 1/8" JOINT MASTIC	
1 PEPOXY	EPOXY KIT FOR CIP BASE			
McClintock MH756018916	60" Polymer Rehab	12.85'	5,401	\$11,254
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6057NB	60 IN X 4 FT 9 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
2 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
McClintock MH756011430	60" Polymer Rehab	13.80'	5,804	\$12,428
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6022NB	60 IN X 1 FT 10 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
6 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756001977	60" Polymer Rehab	12.00'	5,122	\$11,403
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6012NB	60 IN X 1 FT POLYMER MH SECTION NO BELL REHAB	1 RMHS6036NB	60 IN X 3 FT POLYMER MH SECTION NO BELL REHAB	
1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	4 MASJ	14' X 1 1/8" JOINT MASTIC	
1 PEPOXY	EPOXY KIT FOR CIP BASE			



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For:

Ref: Chandler Rehab
Chandler, AZ

Quote Date: 6/8/2023

Structure	Description	Height	Weight	Price
Ray MH756001978	60" Polymer Rehab	11.90'	5,091	\$10,669
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6047NB	60 IN X 3 FT 11 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756005184	60" Polymer Rehab	10.50'	4,564	\$10,036
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6030NB	60 IN X 2 FT 6 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756006536	60" Polymer Rehab	14.80'	6,176	\$13,106
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6034NB	60 IN X 2 FT 10 IN POLYMER MH SECTION NO BELL REHAB	2 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
6 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756014370	60" Polymer Rehab	12.50'	5,308	\$12,036
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6012NB	60 IN X 1 FT POLYMER MH SECTION NO BELL REHAB	1 RMHS6042NB	60 IN X 3 FT 6 IN POLYMER MH SECTION NO BELL REHAB	
1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	4 MASJ	14' X 1 1/8" JOINT MASTIC	
1 PEPOXY	EPOXY KIT FOR CIP BASE			
Ray MH756014371	60" Polymer Rehab	11.70'	4,998	\$10,669
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6044NB	60 IN X 3 FT 8 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756014372	60" Polymer Rehab	11.80'	5,060	\$10,669
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6046NB	60 IN X 3 FT 10 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Ray MH756021069	60" Polymer Rehab	10.60'	4,595	\$10,036
1 MHTL36X30	36 IN POLYMER CONC TRANSITION LID 30 IN	1 RMHC6036	60 IN X 3 FT ECC POLYMER CONE W/ 36" ACCESS REHAB	
1 RMHS6031NB	60 IN X 2 FT 7 IN POLYMER MH SECTION NO BELL REHAB	1 RMHS6048NB	60 IN X 4 FT POLYMER MH SECTION NO BELL REHAB	
4 MASJ	14' X 1 1/8" JOINT MASTIC	1 PEPOXY	EPOXY KIT FOR CIP BASE	
Sub-Total				\$284,996
Freight/Delivery				\$10,650
Total Price for Chandler Rehab				\$295,646