CITY OF LAS VEGAS
1700 North Grand Avenue
Las Vegas, New Mexico 87701
Phone: (505) 454-1401 Fax: (505) 454-8027

PURCHASE ORDER

PO Number: 231789 **Date:** 06/02/2023

Request #: 302478 **Vendor #:** 06096

ISSUED TO: HDR ENGINEERING, INC.
8404 INDIAN HILLS DRIVE
OMAHA, NE 68114-

SHIP TO: City of Las Vegas
Attn:Water Treatment Plant
385 NM 65
Las Vegas, NM 87701

Vendor Fax #: (505) 830-5454

ITEM	UNITS	DESCRIPTION	PRICE	PROJ	GL ACCOUNT NUMBER	AMOUNT
1	0	GATHER AND REVIEW EXISTING DATA $31,319.00 EVALUATE WATER DEMAND $35,327.00 HISTORICAL WATER QUALITY DATA $48,671.00 TREATMENT TECHNOLOGY EVALUATION $197,393.00 DEVELOP RECOMMENDED IMPROVEMENTS $34,868.00 WTP FACILITY PLAN $93,929.00 DESKTOP EVALUATION TREATMENT $200,000.00 NMGRT $49,716.80 13-1-127	0.00		646-0000-650-8807	667,437.60

DEPARTMENT ORDER

Approved By: _____ **Date:** 6/6/23

SUBTOTAL:	667,437.60
TAX:	0.00
SHIPPING:	0.00
TOTAL	667,437.60

1. Original invoice plus one copy must be sent to: City of Las Vegas, 1700 North Grand Avenue, Las Vegas, NM 87701.
2. Payment may be expected within 30 days of receipt of goods, unless otherwise stated.
3. C.O.D. shipment will not be accepted.
4. Purchase Order numbers must appear on all shipping containers, packing slips and invoices. Failure to comply with the above request may delay payment.
5. All goods are to be shipped F.O.B. Destination unless otherwise stated.
6. All materials and services are subject to approval based on the description on the face of the purchase order or appendages thereof. Substitutions are not permitted without approval of the Requesting Department. Material not approved will be returned at no cost to the City.
7. All goods and equipment must meet or exceed all necessary city, state and federal standards and regulations.
8. Vendor or manufacturer bears risk of loss or damage until property received and/or installed.
9. Seller acknowledges that the buyer is an equal opportunity employer. Seller will comply with all equal opportunity laws and regulations that are applicable to it as a supplier of the buyer.
10. The City is exempt from all federal excise and state tax – ID# 85-6000149

STATE OF NEW MEXICO
EMERGENCY DETERMINATION FORM

The emergency procurement method (NMSA 1978, Section 13-1-127) may only be used when there exists a threat to public health, welfare, safety or property requiring procurement under emergency conditions. The existence of the emergency condition creates an immediate and serious need for services, construction or items of tangible personal property that cannot be met through normal procurement methods and the lack of which would seriously threaten:

1. the functioning of government;
2. the preservation or protection of property; or
3. the health or safety of any person.

I. Name of Agency: **City of Las Vegas**

Agency Chief Procurement Officer: ***Helen Vigil***

Telephone Number: ***505-454-1401***

II. Name of Contractor: HDR

Address of Contractor:
2155 Louisiana Blvd NE Suite 3000 Albuquerque NM 87110-5483

Amount of prospective contract: $667,437.60

Term of prospective contract: Until contract from the RFP is in place

III. Please thoroughly list the services (scope of work), construction or items of tangible personal property of the contract:
Preliminary Engineering Report for the Water Treatment Facility. See attached task order

IV. Provide an explanation for the justification of the procurement including a description of the emergency condition(s) requiring use of emergency procurement and the practicable competition utilized in compliance with NMSA 1978, Section 13-1-127.

The preliminary engineering report for the replacement of the water treatment facility was in progress when current contract, procured under RFP, was determined to be invalid. Need to continue with the scope of work in progress without delay due to the nature of this PER. City is on a expedited schedule to complete this process to ensure safe and potable water for the community.

V. Please describe what measures are being taken to minimize the duration and effect of this particular emergency procurement (for example: is the emergency only in place until a competitive process can be completed, etc.).

We are awaiting on the RFP procurement process for future scope of work.

VI. Describe what measures the Agency will take in the future to prevent/mitigate use of an emergency procurement under similar circumstances.

Contracts are reviewed regularly and tracked for approved addendums well before contract expiration.

Certified by:

Department Director Date: 6/1/23

Approved by:

Procurement Officer Date: 6/1/2023

Approved:

Finance Director Deputy Date: 6/2/23

CITY OF LAS VEGAS REQUISITION FOR PURCHASE

PURCHASE ORDER NO.: 302478

REQUIREMENTS | CHECK APPROPRIATE BOX | DATE: 6/1/2023

PURCHASES INDER RESOLUTION #14-18 STATE PROCUREMENT CODE: Dept. Order

- ☐ $0 TO $19,999.99 Best Obtainable Price; Requires 3 telephoned, written, faxed or e-mailed quotes;
- ☐ $20,000.00 TO $59,999.99 Requires 3 written and signed quotes; (Goods or services)
- ☐ $60,000.00 AND OVER Formal Process (Requires RFQ, RFP, RFB, etc.)

☐ BID NO.: ____ – ____ AWARDED: ____/____/____; CONTRACT NO.: ____ EXPIRES: ____/____/____
(RECORD BID NUMBER, AWARDED DATE, AND CONTRACT NUMBER ABOVE)

☐ SPD CONTRACT; SPD NO.: ____ EXPIRES: ____/____/____
☐ EXEMPT PURCHASE; Provide Section No.: ____
☐ GSA CONTRACT; GSA NO.: ____ – ____ EXPIRES: ____/____/____
☐ PROFESSIONAL SERVICES; ____
☐ SOLE SOURCE: REQUIRES DETERMINATION AND MUST BE POSTED ON CLV WEBSITE FOR 30 DAYS PRIOR TO PROCURING GOODS AND/OR SERVICES.
☐ OTHER CITY CONTRACT: NO: ____ EXPIRES: ____/____/____
☑ EMERGENCY; ____ SECTIONS 13-1-127 STATE PRODUREMENT CODE

STATEMENT OF NEED: (Must Complete)

Professional Engineering Services for Development of a Facility Plan/Preliminary Engineering Report for a new Water Treatment Plant

* IN COMPLIANCE WITH THE PROCUREMENT CODE # 14-18 THE FOLLOWING QUOTES WERE OBTAINED*

DATE	NAME OF VENDOR	PHONE NUMBER	PERSON CONTACTED	PRICE QUOTED

(If needed, attach additional quote documentation to this requisition)

LINE	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	SUB TOTAL
1	1	ea	*Gather & Review Existing Data*	*$31,319.00*	
2	1	ea	*Evaluate Water Demand*	*$35,327.00*	
3	1	ea	*Historical Water Quality Data*	*$48,671.00*	
4	1	ea	*Treatment Technology Evaluation*	*$197,393.00*	
5	1	ea	*Develop Recommended Improvements*	*$34,868.00*	
6	1	ea	*WTP Facility Plan*	*$93,929.00*	
7	1	ea	~~*desktop Evaluation Treatment*~~	~~*$200,000.00*~~	
8	1	ea	*NMGRT(7.7500)*	*$49,716.80*	
			Refer to Po 231332		

VENDOR: HDR **TOTAL: $** $667,437.60

ADDRESS: 2155 Louisiana BLVD NE Suite 6000&9000 Albuquerque NM 87110

NM CRS NO.: **FEDERAL TAX NO.:**

I CERTIFY THAT THIS PURCHASE IS NECESSARY AND THAT THE REQUESTED ITEMS WILL BE PURCHASED AT THE LOWEST BID OR BEST OBTAINABLE PRICE.

BUDGET $ ____
EXPENDED TO DATE $ ____
CURRENT EXPENSE $ ____
BALANCE $ 334120

SIGNATURE OF PERSON REQUESTING
646-0000-650-8807

FUND DEPARTMENT ACTIVITY

APPROVED BY: DChang 6/2/23 BUDGET AVAILABLE YES: ____ NO: ____

WHITE COPY: ACCOUNTS PAYABLE YELLOW COPY: PURCHASING PINK COPY: DEPARTMENT

CITY OF LAS VEGAS
1700 North Grand Avenue
Las Vegas, New Mexico 87701
Phone: (505) 454-1401 Fax: (505) 454-8027

PURCHASE ORDER

PO Number: 231332 **Date:** 02/24/2023

Request #: 301817 **Vendor #:** 06096

ISSUED TO: HDR ENGINEERING, INC.
8404 INDIAN HILLS DRIVE
OMAHA, NE 68114-

SHIP TO: City of Las Vegas
Attn:Utilities Department
905 12th Street
Las Vegas, NM 87701

Vendor Fax #: (505) 830-5454

ITEM	UNITS	DESCRIPTION	PRICE	PROJ	GL ACCOUNT NUMBER	AMOUNT
1	0	NMGRT (7.7500) BID-2022-12 AWARDED-10/13/21 CONTRACT NO- 3850-22 ADDENDUM 1 EXP 10/13/23	0.00		646-0000-650-8807	49,716.80
2	0	DESK TOP EVALUATION TREATMENT	0.00		646-0000-650-8807	200,000.00
3	0	TREATMENT TECHNOLOGY EVALUATION	0.00		646-0000-650-8807	197,393.00
4	0	GATHER AND REVIEW EXISTING DATA FOR NEW WTP	0.00		646-0000-650-8807	31,319.00
5	0	EVALUATE WATER DEMAND	0.00		646-0000-650-8807	35,327.00
6	0	HISTORICAL WATER QUALITY DATA	0.00		646-0000-650-8807	48,671.00
7	0	DEVELOP RECOMMENDED IMPROVMENTS	0.00		646-0000-650-8807	34,868.00
8	0	WTP FACILITY PLAN	0.00		646-0000-650-8807	93,929.00

DEPARTMENT ORDER

Approved By: _____ **Date:** 3/1/2023

SUBTOTAL:	691,223.80
TAX:	0.00
SHIPPING:	0.00
TOTAL	691,223.80

1. Original invoice plus one copy must be sent to: City of Las Vegas, 1700 North Grand Avenue, Las Vegas, NM 87701.
2. Payment may be expected within 30 days of receipt of goods, unless otherwise stated.
3. C.O.D. shipment will not be accepted.
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7. All goods and equipment must meet or exceed all necessary city, state and federal standards and regulations.
8. Vendor or manufacturer bears risk of loss or damage until property received and/or installed.
9. Seller acknowledges that the buyer is an equal opportunity employer. Seller will comply with all equal opportunity laws and regulations that are applicable to it as a supplier of the buyer.
10. The City is exempt from all federal excise and state tax – ID# 85-6000149

January 25, 2023

Maria Gilvarry
Utilities Director
City of Las Vegas
905 12th Street
Las Vegas, NM 87701

Subject: **Proposal to Provide Professional Engineering Services for Development of a Facility Plan / Preliminary Engineering Report (PER) for a New Water Treatment Plant (WTP) at Montezuma, NM**

Dear Ms. Gilvarry:

HDR Engineering, Inc. (HDR) has prepared the attached proposal to provide professional engineering services to the City of Las Vegas (City) for the completion of a Facility Plan / Preliminary Engineering Report (PER) for a new water treatment plant (WTP) at Montezuma, NM. HDR has prepared this proposal based on previous discussions and meetings with City staff.

PROJECT BACKGROUND AND PURPOSE

The City of Las Vegas, NM (City) meets customer water demands using two sources: surface water from the Gallinas River and groundwater from the Taylor Well Field. Historically 100% of the potable water supplied to the City comes from surface water treated to drinking water standards at the City's existing water treatment plant (WTP) in Montezuma, NM. In emergency situations, 10% can come from the City's existing well field. The WTP is a conventional surface water filtration treatment facility and currently treats a flow of approximately 1.75 million gallons per day (MGD). The WTP was originally constructed as a direct filtration plant in the 1970's but several modifications were completed in the following decades to expand the capacity and improve the facility. The modifications included the addition of pre-treatment consisting of coagulation, flocculation, and settling, replacing the original traveling bridge filters with gravity multi-media granular filters, and converting the disinfection facilities from gas chlorine to liquid chlorine and then onsite sodium hypochlorite generation.

The source/raw water for the WTP supplied from the Gallinas River is stored in three reservoirs: Peterson Reservoir, Bradner Reservoir, and Storrie Lake. The storage reservoirs act as environmental buffers to changing water quality and variable flow rates in the river. Historically, the water quality in the river has been good and only required treatment for turbidity removal and disinfection. However, the Hermits Peak and Calf Canyon wildfire, which began in April 2022 in the Pecos Wilderness of the Santa Fe National Forest in an area northwest of the City directly impacted large portions of the Gallinas River watershed. Although the fires are currently contained, the characteristics of the source water have changed due to the burn scar in the watershed and the summer monsoon rains. As a result, the City's ability to provide treated water for the potable water distribution system has been challenged due to ash, debris, and other dissolved constituents in the raw water supply that are washed into the river during rain events.

The City intends to continue diverting raw water from the Gallinas River but the impact of the wildfire on the Gallinas River watershed will be an ongoing issue for years into the future. Although the existing WTP has

historically been successful in providing a safe and reliable drinking water, the City is not able to sufficiently treat the compromised water quality to meet drinking water regulations while also satisfying the community's water demand even with stringent conservation measures. The WTP will require various systems and equipment to be upgraded or replaced to treat the now-degraded river water quality. For example, the City is currently experiencing challenges with the pre-treatment system, chemical dosing system, filters, and the solids handling from the water treatment process. The existing mixed-media filter system experiences capacity and reliability issues. Fixes to this system are constrained by the differential settlement with the filter building structure.

The purpose of this project is to complete a Facility Plan / PER for the WTP to document and evaluate treatment technologies for a new WTP. An evaluation of the required treatment capacity will also be completed. The new WTP will include state-of-the-art water treatment processes to provide multiple barriers and effective removal of contaminants historically absent and now occurring in the river so the community receives drinking water that will meet or exceed state and federal drinking water standards. The facility will also be designed to meet current standards and industry practices related to resiliency and reliability.

Based on our understanding of the project elements and needs of the City, we have developed the following scope of services. The following paragraphs provide a description of the services that will be provided as a part of this project.

SCOPE OF SERVICES

Project Management, Coordination and Administration

HDR will perform project coordination and management throughout the project which will include the following:

- Coordination with City and operations staff
- Monitoring of the project scope of services, budget, and schedule
- Management and coordination of HDR team members
- Implementation of HDR's QA/QC program consisting of quality control reviews of technical deliverables by senior technical staff
- Preparation of monthly invoices

This task also includes the attendance of project meetings and preparation of documentation as necessary (agendas, meeting minutes, etc.). HDR will attend the following meetings.

- One Kick-off Meeting with the City
- Four Design Review Meetings with the City
- Six Project Status Meeting with the City and Applicable Funding / Regulatory Agencies
- Six Project Coordination Meetings with the City and the City's Other Design Consultants

HDR will attend up to four meetings in person at the City's offices in Las Vegas, NM. Other project meetings will be conducted via online or virtual meeting platform.

Task 1 - WTP Facility Plan / PER

Subtask 1.1 - Data Gathering

The completion of this task will allow HDR to develop a thorough understanding of the existing WTP operations and performance. The City will provide HDR with applicable studies for the facility completed since 2017. This may include hydraulic, performance or condition assessment studies completed by the City and/or others. HDR will obtain and review the following:

- Previous studies and reports
- "As-Built" drawings
- Shop drawings
- Maintenance records
- Water supply and production records
- Water quality records for raw water, within the WTP, the Entry Point of the Distribution System, and in the distribution system
- Operational data for the WTP facilities
- Relevant regulatory correspondence from New Mexico Environment Department (NMED), EPA, etc.
- Other available information

In addition to reviewing the existing data and reports, HDR will also meet with and interview WTP Operations staff to discuss and obtain information on operating conditions, constraints and conditions at the WTP.

Subtask 1.2 - Evaluate Water Demand and Required Treatment Capacity

This task will be completed to develop projections of future water demands for use in evaluating the required treatment capacity for the WTP facilities. Historical demand, population, and customer base information will be provided by the City. HDR will evaluate existing water production and demand information to arrive at the appropriate ratios for the existing system and make projections for future conditions.

HDR will obtain and review water billing and WTP production records to develop projections for the City's water demands and identify the following:

- Estimates of Population / Customer Growth
- Historical Water Use Trends
- Existing Demands
- Total System Production
- Total System Production Peaking Factors
- Total System Metered Sales
    - Average Annual
    - Winter
    - Maximum Month
    - Maximum Day
- Design Year Demands
    - Average Annual
    - Winter

- Maximum Month
- Maximum Day

Subtask 1.3 - Evaluate Water Quality, Regulations and Potential Impacts

This task will identify the current and proposed regulatory requirements to evaluate regulatory issue impacts on the WTP. Water quality conditions and key issues regarding the treatment requirements will be developed and assessed. The finished water quality goals including SDWA and NMED requirements and aesthetic water quality goals will be developed in conjunction with the City.

HDR will obtain and review water quality data for the City's raw water supply sources and finished water to determine the following items and their impact on the water treatment process.

- pH, Temperature, Cl_2 Residuals
- TOC, DOC, and DBP's including TTHM and HAA5's
- CT Data / Disinfection Profile
- Raw Water Pathogens – Cryptosporidium and Giardia
- Alkalinity, Hardness, etc.

HDR will identify a proposed treatment process that will allow the WTP to meet the regulatory requirements. The key issues to be addressed in this evaluation include:

Current Regulatory Requirements

- Primary regulated contaminants
- Secondary regulated contaminants
- Revised Total Coliform Rule (RTCR)
- Surface Water Treatment Rule (SWTR)
- Interim Enhanced Surface Water Treatment Rule (IESWTR)
- Filter Backwash Rule
- Long Term 1 and 2 Enhanced Surface Water Treatment Rules (LT1ESWTR and LT2ESWTR)
- Stage 1 and 2 Disinfectant and Disinfectant By-Products Rules (Stage 1 and 2 D/DBPR)
- Lead and Copper Rule (LCR), the LCR Amendments, and the LCR Revisions (LCRR)

Proposed Regulatory Requirements

- Lead and Copper Rule Improvements (LCRi)
- Revisions to the Microbial and Disinfection Byproduct Rules (MDBP)
- Regulations pertaining to perfluoroalkyl substances (PFAS)
- Harmful Algal Blooms (HAB) and algal toxins
- Contaminant Candidate List (CCL) and Regulatory Determinations

Following the completion of this task HDR will prepare a Water Quality Technical Memorandum (TM) summarizing the proposed WTP's compliance with existing SDWA regulations and potential concerns with meeting future SDWA regulations. A summary of future regulations and their potential impact on the WTP will be included. The TM will be submitted to the City for review and comment.

Subtask 1.4 - Treatment Technology Evaluation

A variety of treatment technologies are applicable for the treatment scheme for the City's new WTP including conventional and innovative technologies which can accomplish the treatment objectives identified in Subtask 1.3. Block diagram schematics and discussions will be included for several treatment options.

The treatment technology evaluation will include consideration of the following:

- Conventional and membrane filtration technologies
- Other processes (Advanced Oxidation Process, UV, etc.).

The concept and treatment scheme to accomplish the treatment objectives will be developed as a part of this subtask and will include key treatment process units as well as required supporting systems such as chemical feed systems, residuals handling, and buildings. Technologies will be considered for their proven track record, ability to meet current and future regulatory requirements, costs (Capital and O&M), operator training and skill requirements, installation considerations, and future expandability. Space requirements for initial and future capacities will also be considered.

These options will be screened in coordination with City staff. The practical aspects of implementation, applicability of the technology, O&M requirements and approximate cost will be considerations in screening. The goal is to identify one treatment scheme and physical configuration to carry forward for future permitting and design efforts to be completed as part of a separate task order.

Subtask 1.5 - Develop Recommended Improvements

The objective of this task is to establish an implementation plan based on regulatory, production, and operational priorities identified in prior subtasks.

HDR will refine the selected treatment scheme and physical configuration identified in Subtask 1.4 to determine which components will be included in the treatment scheme for the new WTP. It is anticipated that existing WTP buildings and equipment will not be used in the new treatment process and will be demolished/removed following startup of the new WTP. HDR will work with the City to develop the sequential order of implementation for the design, construction, and startup of the new WTP and subsequent demolition/removal of the existing WTP buildings.

Following the completion of this task HDR will prepare a Recommended Improvements TM. The purpose of this TM is to define the required improvements, summarize the key project requirements. The components for the new WTP and associated construction phasing will be summarized.

The key components of the TM will include:

- Improvement Requirements
- Project Development and Scope
- Design Schematics to 10% level of design
- Initial construction and operational permitting requirements
- Constructability Issues
- Construction and Transition Phasing Schedule
- Budgetary Level Capital Cost Estimates

- Budgetary Level O&M Cost Estimates

The TM will be submitted to the City for review and comment. HDR will conduct a review meeting with the City to review the Draft TM and discuss implementation issues with City management and WTP operations staff.

Subtask 1.6 - WTP Facility Plan / PER

The WTP Facility Plan / PER is a compilation of the efforts and various technical memorandums completed in the previous tasks. This task will consist of preparing the Facility Plan / PER which will be a stand-alone document that summarizes and presents pertinent information from the various tasks. As a part of this task HDR will incorporate the City comments to the TM's submitted as a part of other tasks and compile them into a WTP Facility Plan / PER for NMED review and approval.

HDR will conduct a review meeting with City staff after completion of the Draft Facility Plan / PER. A Final Facility Plan / PER will be prepared based on City review comments. At the completion of the project the Final Facility Plan / PER will be provided to the City in hardcopy format and in electronic PDF format.

Optional Task - Desktop Evaluation of Advanced Treatment for IPR/DPR

HDR understands as part of the City's overall long term water supply strategy, the City is interested in investigating alternative water supply sources including potentially expanding the use of Class 1A reclaimed water from the City's wastewater treatment plant (WWTP). The City views the WWTP effluent as a valuable water resource and has a reclaimed water system that is currently used to provide irrigation water for the Highlands Golf Course and seven City parks. The City wishes to further expand the use of reclaimed water for two purposes: 1) further offset potable water demand throughout the service area, and 2) augment the City's raw water supply.

If authorized by the City, HDR will conduct a limited desktop evaluation to identify advanced treatment processes and other provisions in the treatment scheme that would be required to meet the City's future intent of augmenting the raw water supply using Class 1A reclaimed water through indirect potable reuse (IPR) or direct potable reuse (DPR). The evaluation of advanced treatment may be completed in conjunction with the evaluation of treatment technologies and the proposed treatment scheme for the City's new WTP.

NMED does not currently have an established regulatory framework for IPR/DPR so the desktop evaluation will include coordination with NMED to establish the regulatory requirements for the proposed advanced treatment process and selecting / evaluating up to 3 advanced treatment alternatives.

The desktop evaluation is only intended to include a review of the proposed advanced treatment process and regulatory requirements but does not include the completion of sampling and bench- or pilot-scale testing for evaluating the performance of the advanced treatment process. Additional detailed studies to evaluate performance of the proposed advanced treatment process will need to be completed in the future as part of a separate task order.

This proposal includes an allowance of $200,000 (1,012 labor hours) for completing the desktop evaluation of IPR/DPR. This task will only be completed upon receiving approval and a written notice to proceed from the City.

ASSUMPTIONS

The following assumptions/clarifications to our proposal are provided.

1. The City will provide HDR with existing record drawings in AutoCAD or PDF format and other existing information required to prepare base plans of the WTP.
2. HDR's scope of services does not include permitting or environmental assessments or associated regulatory coordination. An environmental assessment, archaeological and/or biological review if required, will be completed as part of a separate task order.

ESTIMATED FEE

HDR will provide the engineering services listed above for this project for a total fixed price fee of $441,507, exclusive of New Mexico Gross Receipts Tax, as summarized below.

Task	Description	Estimated Fee
1.1	Gather and Review Existing Data	$31,319
1.2	Evaluate Water Demand and Required Treatment Capacity	$35,327
1.3	Historical Water Quality Data Review and Evaluation	$48,671
1.4	Treatment Technology Evaluation	$197,393
1.5	Develop Recommended Improvements	$34,868
1.6	WTP Facility Plan / PER	$93,929
Total Estimated Fee		**$441,507**

Optional Task		
Task	**Description**	**Estimated Fee**
-	Desktop Evaluation of Advanced Treatment for IPR/DPR	$200,000

PROJECT SCHEDULE

Following the receipt of a written Notice to Proceed, we anticipate the scope of services can be completed within approximately 180 calendar days. Schedule durations do not include observed City, State and Federal holidays or review time required by the City and NMED. The final project schedule will be determined after receipt of a written Notice to Proceed and additional coordination discussions with the City.

HDR understands the urgency in getting the project underway and we are ready to begin work immediately in order to expedite this project on behalf of the City. We look forward to receiving your favorable response to our proposal. Please do not hesitate to contact our office at (505) 830-5400 should you have questions or need additional information.

Sincerely,
HDR Engineering, Inc.

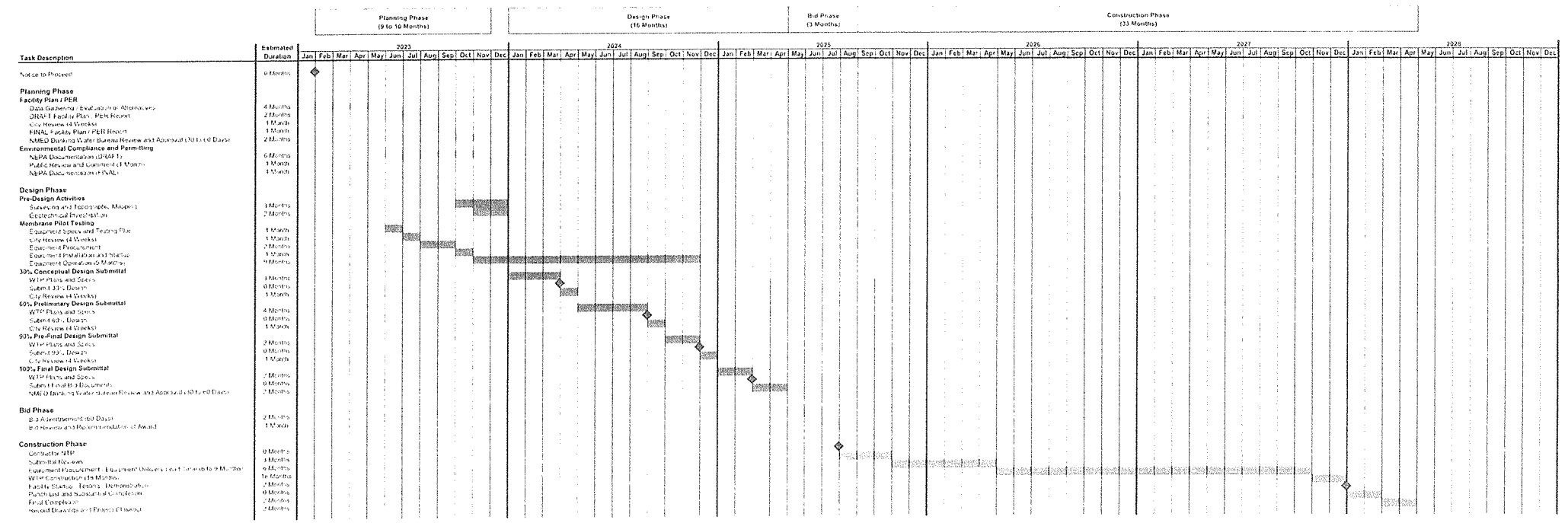
Aaron Meilleur, PE
AZ/NM Operations Manager

Chris Rodriguez, PE
Project Manager

Recommend Approval

City Manager, Date 1/26/23

Attest: City Clerk 1/26/23


Planning Phase
(9 to 10 Months)
Design Phase
(16 Months)
Bid Phase
(3 Months)
Construction Phase
(33 Months)
Task Description
Estimated Duration
2023
2024
2025
2026
2027
2028
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
Notice to Proceed
0 Months
Planning Phase
Facility Plan / PER
Data Gathering / Evaluation of Alternatives
4 Months
DRAFT Facility Plan / PER Report
2 Months
City Review (4 Weeks)
1 Month
FINAL Facility Plan / PER Report
1 Month
NMED Drinking Water Bureau Review and Approval (30 to 60 Days)
2 Months
Environmental Compliance and Permitting
NEPA Documentation (DRAFT)
6 Months
Public Review and Comment (1 Month)
1 Month
NEPA Documentation (FINAL)
1 Month
Design Phase
Pre-Design Activities
Survey and Topographic Mapping
3 Months
Geotechnical Investigation
2 Months
Membrane Pilot Testing
Equipment Specs and Testing Plan
1 Month
City Review (4 Weeks)
1 Month
Equipment Procurement
2 Months
Equipment Installation and Startup
1 Month
Equipment Operation (5 Months)
5 Months
30% Conceptual Design Submittal
WTF Plans and Specs
3 Months
Submit 30% Design
0 Months
City Review (4 Weeks)
1 Month
60% Preliminary Design Submittal
WTF Plans and Specs
4 Months
Submit 60% Design
0 Months
City Review (4 Weeks)
1 Month
90% Pre-Final Design Submittal
WTF Plans and Specs
2 Months
Submit 90% Design
0 Months
City Review (4 Weeks)
1 Month
100% Final Design Submittal
WTF Plans and Specs
2 Months
Submit Final Bid Documents
0 Months
NMED Drinking Water Bureau Review and Approval (30 to 60 Days)
2 Months
Bid Phase
Bid Advertisement (60 Days)
2 Months
Bid Review and Recommendation of Award
1 Month
Construction Phase
Contractor NTP
0 Months
Submittal Reviews
3 Months
Equipment Procurement - Equipment Orders Placed Concurrent to 9 Months
9 Months
WTF Construction (15 Months)
15 Months
Facility Startup, Testing, Demonstration
2 Months
Punch List and Substantial Completion
0 Months
Final Completion
2 Months
Record Drawings and Project Closeout
2 Months