



**MAGNA WATER DISTRICT AGENDA
FOR THE
REGULAR BOARD MEETING
AT 10:00 AM
THURSDAY JANUARY 9, 2025**

8885 W 3500 S, MAGNA, UT 84044

GENERAL OFFICE BUILDING

(801)250-2118

Fax(801)250-1452

JANUARY 9, 2025
REGULAR BOARD MEETING AGENDA
MAGNA WATER DISTRICT

MEETING DATE: January 9, 2025, at 10:00 am
LOCATION: 8885 W 3500 S, MAGNA, UT, GENERAL OFFICE BUILDING

- A. Call to Order**
- B. Public, Board and Staff join in the Pledge of Allegiance**
- C. Welcome the Public and Guests**
- D. Nominations and motion to Elect Board Chairman for 2025**
- E. Public Comment**

Written requests that are received – Please do not take over three minutes due to time restraints for other individuals and the Board.

- F. Inquire of any conflicts of interests that need to be disclosed to the Board**
- G. Approval of common consent items**
 - 1. Minutes of the regular board meeting held December 12, 2024
 - 2. Expenses for December 2 to December 29, 2024
 - General Expenses: \$2,510,329.34
 - Zions Bank Bond Payment: \$83,492.50

- H. New Employee Introduction**
 - Quinton Gorringer
 - Parker VanValkenburg

- I. Department Reports:**
 - 1. General Manager Report
 - 2. Engineering Report
 - 3. Water Operations Report (water production and call out report)
 - 4. Wastewater Operations Report
 - 5. Controller/Clerk Report
 - Compliance Requirements Report
 - 6. HR Manager Report

J. Project Awards & Agreements

Discussion and possible motion to approve the following project awards and agreements:

1. (Trevor) Task order from AE2S for bidding and construction management services for 8800 W Waterline Replacement Project in the amount of \$14,600.

K. Administrative

Discussion and possible motion to approve the following administrative items:

For information and discussion only – no action items:

1. (Trevor) Change house alternative analysis.
2. Next month's board meeting – February 13, 2025, at 10:00 am

L. Motion to take a brief recess and immediately following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205.

M. Motion to close the closed meeting and re-open the public board meeting.

N. Consider action on any noticed agenda item discussed in closed meeting.

O. Other Business

P. Adjourn

Meeting Minutes

**MINUTES OF THE
REGULAR MEETING
OF THE BOARD OF TRUSTEES OF
MAGNA WATER DISTRICT**

A regular meeting of the Board of Trustees of the Magna Water District was held Thursday, December 12, 2024, at 10:00 a.m. at the Magna Water District General Office, Kim Bailey Board Room, located at 8885 West 3500 South, Magna, UT.

Call to Order: Mick Sudbury called the meeting to order at 10:00 a.m.

Trustees Present:

Mick Sudbury, Chairman
Jeff White
Dan Stewart, excused

Staff Present:

Clint Dilley, General Manager
LeIsle Fitzgerald, District Controller
Trevor Andra, District Engineer
Dallas Henline, Wastewater Operations Manager
Raymond Mondragon, Water Operations Manager
Andrew Sumsion, HR Manager
Steve Clark, Water Operations Manager Assistant

Also Present:

Nathan Bracken, Smith Hartvigsen PLLC, excused
Nate Rogers, Bowen Collins Associates
Jeff Beckman, Bowen Collins Associates
Don Olsen, Epic Engineering
Todd Richards, Magna City
Ken O.- Epique
Georgia York, Magna Resident
Jack Nielsen, Magna Resident
Gary Vance, JUB Engineering
Marie Owens, AE2S Engineering
Nate Rogers, Bowen Collins Associates

Welcome the Public and Guests: Chairman welcomed those in attendance.

Pledge of Allegiance: Chairman lead those in attendance in the Pledge of Allegiance.

Public Comment: None.

Chairman asked if any of the staff or board members had a conflict of interest with anything on this agenda. There were no conflicts of interest.

Approval of Common Consent Items:

Minutes of the regular board meeting held November 14, 2024

Minutes of the 2025 Budget Hearing held November 14, 2024

Expenses for November 4 to December 1, 2024:

General Expenses: \$1,085,100.26

Zions Bank Bond Payment: \$83,492.50

A motion was made by Jeff White, seconded by Mick Sudbury, to approve the minutes of the regular board meeting and the minutes of the 2025 budget hearing held November 14, 2024, and the general expenses from November 4 to December 1, 2024, and the Zions Bank Bond payment in the amount of \$1,085,100.26 and \$83,492.50; respectively. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea.

EMPLOYEE RECOGNITION

Andrew Sumsion and the rest of Management recognized the following individuals for passing certifications:

Ed Tucker – Andrew recognized the extra effort that Ed Tucker took to get the new lighting in the EDR.

Scott Beck – Wastewater Treatment Certification - Grade IV

No action was taken, for full discussion please go to the board meeting recording beginning as position 2:29 to 5:50.

DEPARTMENT REPORTS

General Manager Report: No action was taken, for full discussion please go to the board meeting recording beginning at position 5:51 to 14:36. Please also see the general manager's report inserted in the board meeting packet.

Engineering Report:

Trevor reported on ongoing projects. No action was taken, for full discussion, please go to the board meeting recording beginning at position 14:37 to 18:03. Please also see the engineering insert in the board meeting packet.

Water Operations Report (including water production and call out report): Steve reported the culinary water production for the month of November was 94.35 million gallons or 289.56-acre feet, a 5.69% increase from 2023. YTD was 1,663.47 million gallons or 5,105.37-acre feet, a 8.9% increase from 2023. We have purchased 735.27-acre feet of water from Jordan Valley Water. Steve reported the total number of call outs for water and wastewater departments for November was 10. The total hours paid for those call outs was 36. No action was taken, for full discussion please go to the board meeting recording beginning at position 18:04 to 20:41. Please also see the water production report inserted in the board meeting packet.

Wastewater Operations Report (including status and call out report): Dallas reported to the board the jobs and status of the wastewater treatment plant and wastewater collections operations. There were no actions taken, for full discussion, please go to board meeting recording beginning at position 20:42 to 22:15.

Controller Report/Clerk Report:

Compliance Requirements Report: LeIsle reported the district is up to date with legal requirements and internal policies. No action was taken, for full discussion please go to the board meeting recording beginning at position 22:16 to 29:08. Please also see the controller/clerk insert in the board meeting packet.

HR Manager Report:

Andrew reported to the Board the following:

- Safety focus for the Month of December is ergonomics and workplace injuries in the workplace.
- Plan on interviewing candidates for open positions next week.
- Two selected candidates starting in December.

No action was taken, for full discussion please go to the board meeting recording beginning at position 29:09 to 29:53.

WATER AND SEWER AVAILABILITY

Eagle Meadows Subdivision located at 7613 W 3100 S: A motion was made by Jeff White, seconded by Mick Sudbury to approve water and sewer services to the Eagle Meadows Subdivision located at 7613 W 3100 S. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 29:54 to 37:30.

PROJECT AWARDS & AGREEMENTS

Discussion and possible motion to approve the following project awards and agreements:

Renewal of annual insurance policies for 2025 through Olympus Insurance in the amount of \$262,926: Darrel Child with Olympus Insurance explained there was an underwriters bid that came in a little later than the rest, which ended up coming in as the lowest bid. It's an underwriter that we have been insured with before and Darrell recommends the District go ahead and go with the underwriter coming in with the lowest bid. This underwriter does not offer "no-fault" coverage, however, the District will be visiting other options and alternatives to assist with this. A motion was made by Jeff White, seconded by Mick Sudbury to approve the renewal of the District's annual insurance policies for 2025 through Olympus Insurance in the amount of \$227,841. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 37:31 to 48:33.

Stantec task order for construction management services on the West Side Collection System Improvement Project 1B in the amount of \$162,570: A motion was made by Jeff White, seconded by Mick Sudbury to approve Stantec task order for construction management services on the West Side Collection System Improvement Project 1B in the amount of \$162,570. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 48:34 to 51:55.

AE2S task order for 2025 LCRR/LCRI Compliance support in the amount of \$38,600: A motion was made by Jeff White, seconded by Mick Sudbury to approve AE2S task order for 2025 LCRR/LCRI Compliance support in the amount of \$38,600. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 48:34 to 54:32.

ADMINISTRATIVE

Discussion and possible motion to approve the following administrative items:

Approval of the selected engineering consultants for the West side collection projects: A motion was made by Jeff White, seconded by Mick Sudbury to approve the following selected engineering consultants for the West side collection projects:

Bowen Collins & Associates

JUB Engineering

AE2S

The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 54:33 to 58:29.

Approval of the investment Committee Meeting held December 3, 2024, to remove funds from the watchlist: A motion was made by Jeff White, seconded by Mick Sudbury to approve the investment committee meeting minutes. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 58:30 to 1:00:21.

Change house alternative analysis: Trevor presented the analysis provided by Bowen Collins & Associates. They presented the District with three different alternatives. Management provided the analysis to the Board for their review and will bring back next month to discuss, or to approve one of the alternatives as the Board wishes. There were no actions taken, for full discussion, please go to board meeting recording beginning at position 1:00:22 to 1:21:38.

Approval of adding Clint Dilley and LeIsle Fitzgerald as authorized users to the District's PTIF accounts: A motion was made by Jeff White, seconded by Mick Sudbury to approve adding Clint Dilley and LeIsle Fitzgerald as authorized users to the District's PTIF accounts. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position to 1:21:39 to 1:22:29.

Approval of 2025 Regular Board Meeting Schedule: A motion was made by Jeff White, seconded by Mick Sudbury to approve the 2025 Regular Board Meeting Schedule as presented. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 1:22:30 to 1:23:22.

Approval of 2024 Fraud Risk Assessment: A motion was made by Jeff White, seconded by Mick Sudbury to approve the 2024 Fraud Risk Assessment as presented. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to board meeting recording beginning at position 1:23:23 to 1:23:46.

For information and discussion only – no action items:

Report on HB280 Study: Nathan Bracken, Smith Hartvigsen, District's legal Counsel, explained HB280 study that was to study the concept of Special District's levying taxes plus charge user fees. There were no actions taken, for full discussion, please go to board meeting recording beginning at position 1:23:47 to 1:32:45.

2025 Conference Schedule: Provided to the Board for their information. No action was taken.

Next month's board meeting – January 9, 2025 at 10:00 am

Motion to take a brief recess and immediately following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205: Jeff White made a motion to take a brief recess and immediately following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205. The motion was seconded by Mick Sudbury, and approved as follows: Mick Sudbury, yea, and Jeff White, yea at 11:37 am.

Motion to close the closed session and to reopen the open session of the Board Meeting: Jeff White made a motion to close the closed session and reconvene the open session at 12:33 p.m. The motion was seconded by Mick Sudbury and approved as follows: Jeff White, yea, and Mick Sudbury, yea.

Consider action on any noticed agenda item discussed in closed meeting: None

Other Business: None

Adjourn: Having no further business to discuss, a motion was made by Jeff White, seconded by Mick Sudbury, to adjourn the meeting at 12:34 pm. The motion was approved as follows: Jeff White, yea, and Mick Sudbury, yea.

Attest

Chairperson

Invoice Payments

MAGNA WATER DISTRICT
INVOICE PAYMENTS
12/02/2024 TO 12/31/2024

| Check Issue Date | Payee | Amount | Description |
|------------------|--|-------------|---|
| 12/2/2024 | AMERITAS LIFE INSURANCE CORP | 1,642.83 | INSURANCE |
| 12/2/2024 | DEPT OF GOVERNMENT OPER | 5,331.92 | FUEL FOR VEHICLES |
| 12/2/2024 | PITNEY BOWES GLOBAL FINAN SERVICES LLC | 190.20 | LEASE OF POSTAGE MACHINE |
| 12/2/2024 | THE LINCOLN NATIONAL LIFE | 731.10 | INSURANCE |
| 12/3/2024 | COSTCO WHOLESALE | 241.73 | MISC SUPPLIES- OFFICE SUPPLIES- OFFICE |
| 12/3/2024 | NATIONAL BENEFIT SERVICES, LLC | 52.00 | HRA PLAN ADMIN FEES - NOV 2024 |
| 12/3/2024 | ROCKY MOUNTAIN POWER CO., | 66.33 | POWER WWTP BLDG |
| 12/3/2024 | ROCKY MOUNTAIN POWER CO., | 37,692.62 | POWER 7650 W 2100 S |
| 12/4/2024 | AQS ENVIRONMENTAL SCIENCE | 2,000.00 | SEWER CHEMIST CONSULTANT |
| 12/4/2024 | CORRIO CONSTRUCTION, INC. | 25,000.00 | WWTP DRAIN WELL REBUILD |
| 12/4/2024 | DELCO WESTERN | 10,515.39 | SECONDARY WELL # 2 MOTOR REBUILD |
| 12/4/2024 | DELCO WESTERN | (10,363.15) | CREDIT FOR INVOICE PAID 9/26/24 |
| 12/4/2024 | GRAINGER | 139.08 | AIR CONTROL VALVES - ACTUATORS- EDR |
| 12/4/2024 | GREATER S.L. MUNICIPAL SERVICES DIST. | 9,950.00 | PROJECT 8306 WESTERN DRIVE MC230007 |
| 12/4/2024 | HARRINGTON INDUSTRIAL PLASTICS | 423.00 | FITTINGS- EDR STACK CHANGEOUT |
| 12/4/2024 | HORROCKS | 370.00 | MWD HAYNES WELL #8 REPLACEMENT |
| 12/4/2024 | INTERMOUNTAIN CONCRETE SPEC. | 294.34 | RADIUS BOARD- SHOP |
| 12/4/2024 | JORDAN VALLEY WATER | 657.90 | WATER LAB & TESTING |
| 12/4/2024 | JORDAN VALLEY WATER | 688.50 | WATER LAB & TESTING |
| 12/4/2024 | KILGORE COMPANIES, LLC | 147.34 | LANDSCAPE ROCKS- LEAK REPAIR |
| 12/4/2024 | LEVERAGE IT SOLUTIONS | 1,740.00 | CONVERSION - MAGNAWATER.COM TO MAGNAWATERUT.GOV |
| 12/4/2024 | LEVERAGE IT SOLUTIONS | 1,799.98 | SETUP, CONFIGURATION ,& ADD DESKTOP TO THE DOMAIN |
| 12/4/2024 | LGG INDUSTRIAL, INC | 79.10 | COOLANT HOSES - NORTH GENERATOR- WWTP |
| 12/4/2024 | LOWE'S | 668.89 | SEWER MANHOLE REHAB PROJECT - 2256 S 5700 W |
| 12/4/2024 | LOWE'S | 372.29 | VACUUM- SHOP |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 576.00 | ADMIN OFFICES NOT COOLING |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 128.00 | SHOP QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 118.75 | ADMIN OFFICE QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 673.00 | EDR QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 100.00 | WWTP ADMIN BLDG QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 641.50 | WWTP OPERATIONS QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 256.25 | ADMIN OFFICE QUARTERLY MAINTENANCE |
| 12/4/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 417.00 | OVERHEAD HEATER REPAIR- 8000 BOOSTER STATION |
| 12/4/2024 | METERWORKS | 2,256.42 | 2" SECONDARY METERS |
| 12/4/2024 | MORGAN ASPHALT | 53.41 | ASPHALT REPAIRS |
| 12/4/2024 | NICKERSON CO. | 46,376.00 | REPLACE PUMP HAYNES 7 |
| 12/4/2024 | NOLAND & SON CONSTRUCTION CO | 69,675.00 | 8400 W 4100 S EXPLORATORY JOB |
| 12/4/2024 | PURCELL TIRE COMPANY | 63.50 | TIRE REPAIR -#61 |
| 12/4/2024 | READY MADE CONCRETE, INC. | 905.75 | CONCRETE FOR REPAIR PATCHES |
| 12/4/2024 | RHINO PUMPS | 36.08 | REFURBISH SPLIT SEAL- RAS PUMP |
| 12/4/2024 | RICOH USA , INC | 249.77 | ADMIN OFFICE COPIER TONER |
| 12/4/2024 | RICOH USA , INC | 409.30 | ADMIN OFFICE COPIER TONER |
| 12/4/2024 | SAFETY-KLEEN SYSTEMS, INC. | 416.30 | PARTS WASHER SOLVENT |
| 12/4/2024 | SKM INC. | 918.75 | SCADA MAINTENANCE SEWER SYSTEM |
| 12/4/2024 | SKM INC. | 187.50 | SCADA MAINTENANCE/SUPPORT WATER |
| 12/4/2024 | STANTEC CONSULTING SERVICES INC. | 4,270.92 | MAGNA WESTSIDE COLLECTION SYSTEM IMPROVEMENT |
| 12/4/2024 | STANTEC CONSULTING SERVICES INC. | 22,451.79 | WRF MASTER PLAN UPDATE 2023 |
| 12/4/2024 | STEP SAVER, INC. | 817.32 | PARKING LOT SALT |
| 12/4/2024 | VANGUARD CLEANING SYSTEMS | 650.00 | CLEANING OF OFFICE |
| 12/4/2024 | VANGUARD CLEANING SYSTEMS | 350.00 | CLEANING OF WWTP |
| 12/4/2024 | VANGUARD CLEANING SYSTEMS | 542.00 | CLEANING OF EDR |
| 12/4/2024 | VLCM | 8,750.00 | TELEPHONE UPGRADE |
| 12/5/2024 | COSTCO WHOLESALE | 166.16 | MISC SUPPLIES- OFFICE SUPPLIES- SHOP |
| 12/5/2024 | REGENCE BCBS OF UTAH | 14,675.38 | INSURANCE |
| 12/5/2024 | SEBIS DIRECT, INC | 1,121.35 | PROCESS OF MONTHLY BILLINGS |
| 12/5/2024 | U. S. POSTMASTER | 16,000.00 | POSTAGE FOR MONTHLY BILLINGS |
| 12/9/2024 | VESTIS | 160.50 | EDR UNIFORMS |
| 12/9/2024 | VESTIS | 26.89 | EDR SUPPLIES & MATS |
| 12/9/2024 | VESTIS | 585.49 | SHOP UNIFORMS |
| 12/9/2024 | VESTIS | 97.84 | ADMIN OFFICE MATS & SUPPLIES |
| 12/9/2024 | VESTIS | 590.26 | WWTP UNIFORMS& SUPPLIES |
| 12/9/2024 | VESTIS | 67.01 | WWTP UNIFORMS& SUPPLIES |
| 12/9/2024 | VESTIS | 26.89 | EDR SUPPLIES & MATS |
| 12/9/2024 | VESTIS | 102.78 | SHOP MATS & SUPPLIES |
| 12/9/2024 | VESTIS | 97.84 | ADMIN OFFICE MATS & SUPPLIES |
| 12/9/2024 | VESTIS | 409.32 | WWTP UNIFORMS |
| 12/9/2024 | VESTIS | 67.01 | EDR SUPPLIES & MATS |
| 12/9/2024 | VESTIS | 26.89 | EDR LAB & TESTING |
| 12/9/2024 | VESTIS | 89.70 | SHOP MATS & SUPPLIES |
| 12/9/2024 | VESTIS | 97.84 | ADMIN OFFICE MATS & SUPPLIES |

MAGNA WATER DISTRICT
INVOICE PAYMENTS
12/02/2024 TO 12/31/2024

| Check Issue Date | Payee | Amount | Description |
|------------------|--|-----------|---|
| 12/9/2024 | VESTIS | 226.20 | WWTP UNIFORMS& SUPPLIES |
| 12/9/2024 | VESTIS | 77.91 | EDR UNIFORMS |
| 12/9/2024 | VESTIS | 26.89 | EDR SUPPLIES & MATS |
| 12/9/2024 | VESTIS | 107.60 | SHOP UNIFORMS |
| 12/9/2024 | VESTIS | 97.84 | ADMIN OFFICE MATS & SUPPLIES |
| 12/9/2024 | VESTIS | 222.91 | WWTP UNIFORMS |
| 12/10/2024 | SIGN NOW | 192.60 | ONLINE APPLICATIONS |
| 12/10/2024 | WEST VALLEY CITY | 130.20 | STORMWATER EDR |
| 12/10/2024 | ALLDATA REPAIR | 1,500.00 | ALLDATA SOFTWARE LICENSING |
| 12/10/2024 | GFOA | 135.00 | ANNUAL GAAP UPDATE |
| 12/10/2024 | SIGN NOW | (220.50) | CREDIT FOR SALES TAX CHARGED |
| 12/10/2024 | CELLGATE | 177.00 | GATE SERVICE FEE |
| 12/10/2024 | DIVISION OF DRINKING WATER | 150.00 | CROSS CONNECTION CONTROL |
| 12/10/2024 | DIVISION OF DRINKING WATER | 150.00 | CROSS CONNECTION CONTROL |
| 12/10/2024 | SIGN NOW | 180.00 | ONLINE APPLICATIONS |
| 12/10/2024 | UTAH BROADBAND | 279.00 | TELEPHONE/INTERNET SERVICE |
| 12/10/2024 | UTAH BROADBAND | 775.00 | TELEPHONE/INTERNET SERVICE |
| 12/10/2024 | DIVISION OF DRINKING WATER | 1,440.00 | CERTIOFICATE RENEWAL |
| 12/10/2024 | VERIZON CONNECT | 563.00 | GPS TRACKING |
| 12/10/2024 | UTAH DIVISION OF WATER QUALITY | 150.00 | WW OPERATOR CERT RENEWAL |
| 12/10/2024 | UTAH DIVISION OF WATER QUALITY | 150.00 | WW OPERATOR CERT RENEWAL |
| 12/10/2024 | BANKCARD | 307.43 | NOVEMBER BOARD MTG LUNCH |
| 12/10/2024 | DIVISION OF DRINKING WATER | 540.00 | WATER OPERATOR CERT RENEWAL |
| 12/10/2024 | UTAH BROADBAND | 99.00 | INTERNET/BROADBAND SERVICE |
| 12/10/2024 | ANSERPHONE | 290.00 | AFTER HOURS PHONE SERVICES |
| 12/10/2024 | APPLICANT PRO | 175.90 | MONTHLY SUBSCRIPTION FEE |
| 12/10/2024 | BLUELINE SERVICES | 49.00 | RANDOM DRUG SCREENING |
| 12/10/2024 | BLUELINE SERVICES | 98.00 | RANDOM DRUG SCREENING |
| 12/10/2024 | REPUBLIC SERVICES | 511.10 | WATER GARBAGE COLLECTION |
| 12/10/2024 | REPUBLIC SERVICES | 2,142.80 | WWTP GARBAGE COLLECTION |
| 12/10/2024 | SHRED-IT | 79.67 | ADMIN OFFICE RECYCLING |
| 12/10/2024 | UTAH DIVISION OF WATER QUALITY | 150.00 | RENEWAL WASTEWATER CERTIFICATION |
| 12/10/2024 | ADOBE | 167.18 | ADOBE SUBSCRIPTION |
| 12/10/2024 | BANKCARD | 294.00 | SOD - REPAIRS |
| 12/10/2024 | BANKCARD | 3,564.00 | EMPLOYEE GIFT CARDS |
| 12/10/2024 | APA BENEFITS | 50.00 | BENEFIT PARTICIPANT FEE |
| 12/10/2024 | BANKCARD | 217.43 | LUNCH - MANAGEMENT TEAM BUILDING MEETING |
| 12/10/2024 | VERIZON CONNECT | 563.00 | VEHICLE TRACKING & GPS |
| 12/10/2024 | UTAH DIVISION OF WATER QUALITY | 150.00 | WASTEWATER OPER CERT RENEWAL |
| 12/10/2024 | BANKCARD | 684.84 | VENDOR XMAS GIFTS |
| 12/10/2024 | CASELLE | 2,474.00 | MONTHLY SUBSCRIPTION FEE |
| 12/10/2024 | UTAH DIVISION OF WATER QUALITY | (75.00) | REFUND CERTFICATION |
| 12/10/2024 | BANKCARD | 321.72 | COVERALLS |
| 12/10/2024 | BANKCARD | 2,234.23 | MECHANICS TOOLS |
| 12/10/2024 | BANKCARD | 118.09 | ACTIVITIES COMMITTEE LUNCH |
| 12/10/2024 | MID ATLANTIC TRUST COMPANY | 3,531.22 | 401(K) |
| 12/10/2024 | UTAH-IDAHO TEAMSTERS SECURITY FUND | 43,386.00 | UNION HEALTH & WELFARE |
| 12/10/2024 | WESTERN CONF TEAMSTERS PENSION | 30,401.40 | UNION PENSION CONTRIBUTION |
| 12/11/2024 | ADVANCED ENGINEERING & ENVIR. SERVICES | 246.40 | LEAD & COPPER RULE REVISION SUPPORT |
| 12/11/2024 | ADVANCED ENGINEERING & ENVIR. SERVICES | 21,093.00 | SCADA UPGRADES DESIGNS & BIDDING |
| 12/11/2024 | ADVANCED ENGINEERING & ENVIR. SERVICES | 9,707.00 | WTP STORAGE TANK |
| 12/11/2024 | ADVANCED ENGINEERING & ENVIR. SERVICES | 2,696.00 | 8800 W WATER REPLACEMENT |
| 12/11/2024 | ALLSTATE | 478.27 | INSURANCE |
| 12/11/2024 | AMBIENTE H2O INC | 3,970.15 | REPAIR WAS PUMP # 1- RAS BLDG- WWTP |
| 12/11/2024 | ARDURRA | 5,843.75 | MWD 2024 GIS SERVICES |
| 12/11/2024 | BECK, SCOTT | 256.00 | EXAM REIMBURSMENT & BONUS |
| 12/11/2024 | BOWEN COLLINS & ASSOCIATES | 7,932.00 | WRF CHANGING ROOM & OPERATIONS BLDG EVALUATION |
| 12/11/2024 | BOWEN COLLINS & ASSOCIATES | 4,733.25 | MWD MASTER PLANNING IMPACT FEE AND RATE STUDIES |
| 12/11/2024 | BOWEN COLLINS & ASSOCIATES | 5,371.50 | 7200 W SECONDARY WATERLINE PROJECT |
| 12/11/2024 | BOWEN COLLINS & ASSOCIATES | 26,214.10 | MWD REUSE PROJECT |
| 12/11/2024 | CASH (PETTY) | 13.57 | VALVE FOR OFFICE FOUNDATION |
| 12/11/2024 | CASH (PETTY) | 54.04 | SAFETY MEETING REFRESHMENTS |
| 12/11/2024 | CASH (PETTY) | 39.24 | FUSE- 7600 W GENERATOR |
| 12/11/2024 | CASH (PETTY) | 26.78 | SUPPLIES - COLLECTIONS SEWER TRUCK |
| 12/11/2024 | CASH (PETTY) | 11.00 | WWTP LAUNDRY |
| 12/11/2024 | CASH (PETTY) | 10.00 | WWTP LAUNDRY |
| 12/11/2024 | CASH (PETTY) | 47.33 | SAFETY MEETING REFRESHMENT |
| 12/11/2024 | CASH (PETTY) | 12.00 | WWTP LAUNDRY |
| 12/11/2024 | CASH (PETTY) | 11.00 | WWTP LAUNDRY |
| 12/11/2024 | CASH (PETTY) | 11.00 | WWTP LAUNDRY |

MAGNA WATER DISTRICT
INVOICE PAYMENTS
12/02/2024 TO 12/31/2024

| Check Issue Date | Payee | Amount | Description |
|------------------|------------------------------------|------------|---|
| 12/11/2024 | CHEMTECH-FORD | 710.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 338.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 454.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 178.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 529.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 348.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 60.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 338.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 600.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 454.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 338.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 454.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 363.00 | WWTP LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 640.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 600.00 | WATER LAB & TESTING |
| 12/11/2024 | CHEMTECH-FORD | 600.00 | WWTP LAB & TESTING |
| 12/11/2024 | CINTAS 1ST AID | 61.10 | FIRST AID CABINET- WWTP |
| 12/11/2024 | CINTAS 1ST AID | 7.15 | FIRST AID CABINET -WWTP |
| 12/11/2024 | CINTAS 1ST AID | 17.82 | FIRST AID CABINET -EDR |
| 12/11/2024 | CINTAS 1ST AID | 43.96 | FIRST AID CABINET- ADMIN OFFICE |
| 12/11/2024 | CINTAS 1ST AID | 59.99 | FIRST AID CABINET- SHOP |
| 12/11/2024 | CORRIO CONSTRUCTION, INC. | 210,803.41 | SECONDARY WATER REUSE |
| 12/11/2024 | CORRIO CONSTRUCTION, INC. | 60,624.37 | WWTP INFLUENT PROJECT |
| 12/11/2024 | CORRIO CONSTRUCTION, INC. | 168,179.72 | SECONDARY WATER REUSE |
| 12/11/2024 | CORRIO CONSTRUCTION, INC. | 369,657.22 | MAGNA WRF INFLUENT PROJECT |
| 12/11/2024 | CRUS OIL INC./QUALCO | 908.92 | GENERATOR FILTERS- EDR |
| 12/11/2024 | D DIAZ CONSTRUCTION LLC | 1,800.00 | HYDRANT METER REFUND |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 1,521.94 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 780.11 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 1,978.11 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 2,269.96 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 1,523.43 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 1,808.06 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 1,082.66 | SLUDGE REMOVAL |
| 12/11/2024 | E.T. TECHNOLOGIES, INC | 2,715.71 | SLUDGE REMOVAL |
| 12/11/2024 | GRANITE CONSTRUCTION | 2,656.20 | ASPHALT FOR REPAIRS |
| 12/11/2024 | HORROCKS | 1,406.00 | MWD HAYNES WELL 8 REPLACEMENT |
| 12/11/2024 | INTERMOUNTAIN FARMERS ASSOCIATION | 367.92 | SNOW SHOVELS |
| 12/11/2024 | JORDAN VALLEY WATER | 31,604.31 | WATER DELIVERIES NOV 2024 |
| 12/11/2024 | LEVERAGE IT SOLUTIONS | 430.48 | SOFTWARE RENEWAL - EDR |
| 12/11/2024 | LEVERAGE IT SOLUTIONS | 680.84 | SOFTWARE RENEWAL - WWTP ADMIN BLDG & WWTP |
| 12/11/2024 | LEVERAGE IT SOLUTIONS | 4,339.92 | SOFTWARE RENEWAL- OFFICE & SHOP |
| 12/11/2024 | LGG INDUSTRIAL, INC | 154.89 | DRAIN TUBE & HOSE CLAMPES- FINE SCREENS- WWTP |
| 12/11/2024 | MECHANICAL SERVICE & SYSTEMS, INC. | 1,668.53 | REPAIR OVERHEAD HEATER- 8000 BOOSTER STATION |
| 12/11/2024 | NOLAND & SON CONSTRUCTION | 595,114.07 | 2023 CULINARY WATERLINE REPLACEMENTS |
| 12/11/2024 | OWEN EQUIPMENT | 20.50 | GLASS DOME COVER- #8 |
| 12/11/2024 | PENDLETON GROVE LLC | 1,800.00 | HYDRANT RENTAL REFUND |
| 12/11/2024 | S.L.CO. ENGINEERING DIVISION | 125.00 | PERMIT FEES |
| 12/11/2024 | SEBIS DIRECT, INC | 1,096.18 | PROCESS OF MONTHLY BILLINGS |
| 12/11/2024 | STAKER PARSON | 1,800.00 | HYDRANT METER REFUND |
| 12/11/2024 | STANTEC CONSULTING SERVICES INC. | 12,541.81 | INFLUENT PROJECT PH 3 - ENGINEERING SERVICES DURING CONST |
| 12/11/2024 | STAPLES BUSINESS CREDIT | 17.41 | OFFICE SUPPLIES- OFFICE |
| 12/11/2024 | STAPLES BUSINESS CREDIT | 150.08 | OFFICE SUPPLIES- OFFICE |
| 12/11/2024 | STAPLES BUSINESS CREDIT | 346.68 | OFFICE SUPPLIES- WWTP |
| 12/11/2024 | THATCHER COMPANY | 4,473.33 | CHEMICALS |
| 12/11/2024 | THATCHER COMPANY | 7,693.26 | CHEMICALS |
| 12/11/2024 | UNIFIED FIRE AUTHORITY | 700.00 | HAZARDOUS PERMIT |
| 12/11/2024 | WHITAKER CONSTRUCTION | 1,800.00 | HYDRANT METER DEPOSIT REFUND |
| 12/12/2024 | AMAZON CAPITAL SERVICES | 71.06 | OFFICE SUPPLIES- OFFICE |
| 12/12/2024 | AMAZON CAPITAL SERVICES | 41.45 | OFFICE SUPPLIES- OFFICE |
| 12/12/2024 | MCGEES STAMP AND TROPHY CO. | 519.21 | YEARS OF SERVICE AWARD & SAFETY COMMITTEE PLAQUES |
| 12/12/2024 | MOUNTAINLAND SUPPLY COMPANY | 236.44 | 6 groove gasket for non-potable effluent pump." |
| 12/17/2024 | HACH COMPANY | 15,183.00 | WWTP CL-17. SONITAX & SONITAX INSTRUMENTATION |
| 12/17/2024 | TRUGREEN COMMERCIAL | 441.00 | ICE MELT - WWTP |
| 12/18/2024 | BLUE STAKES OF UTAH 811 | 428.53 | EMAIL NOTIFICATIONS NOVEMBER 2024 |
| 12/18/2024 | COSTCO WHOLESALE | 91.86 | OFFICE SUPPLIES- EDR |
| 12/18/2024 | COSTCO WHOLESALE | 652.41 | OFFICE SUPPLIES- WWTP |
| 12/19/2024 | ALLOTECH | 3,980.00 | PLAQUES FOR BUILDINGS |
| 12/19/2024 | CHEMTECH-FORD | 762.00 | WWTP LAB & TESTING |
| 12/19/2024 | CHEMTECH-FORD | 415.00 | WWTP LAB & TESTING |

MAGNA WATER DISTRICT
INVOICE PAYMENTS
12/02/2024 TO 12/31/2024

| Check Issue Date | Payee | Amount | Description |
|------------------|--------------------------------|-----------------|---|
| 12/19/2024 | CHEMTECH-FORD | 531.00 | WWTP LAB & TESTING |
| 12/19/2024 | CINTAS 1ST AID | 31.30 | FIRST AID CABINET -WWTP |
| 12/19/2024 | CINTAS 1ST AID | 7.15 | FIRST AID CABINET - ADMIN WWTP |
| 12/19/2024 | CINTAS 1ST AID | 7.15 | FIRST AID CABINET - EDR |
| 12/19/2024 | CINTAS 1ST AID | 48.50 | FIRST AID CABINET -ADMIN |
| 12/19/2024 | CINTAS 1ST AID | 86.00 | FIRST AID CABINET -SHOP |
| 12/19/2024 | E.T. TECHNOLOGIES, INC | 2,282.15 | SLUDGE REMOVAL |
| 12/19/2024 | E.T. TECHNOLOGIES, INC | 1,159.96 | SLUDGE REMOVAL |
| 12/19/2024 | E.T. TECHNOLOGIES, INC | 784.83 | SLUDGE REMOVAL |
| 12/19/2024 | E.T. TECHNOLOGIES, INC | 1,152.52 | SLUDGE REMOVAL |
| 12/19/2024 | HARRINGTON INDUSTRIAL PLASTICS | 130.31 | PIPING REPAIR-FILTER HOUSING- SCREW PRESSES- WWTP |
| 12/19/2024 | OSINC, INC | 200.00 | SAFETY BOOTS |
| 12/19/2024 | OSINC, INC | 200.00 | SAFETY BOOTS |
| 12/19/2024 | ROCKY MOUNTAIN POWER CO., | 21,758.81 | POWER BARTON 1 & 2 |
| 12/19/2024 | ROCKY MOUNTAIN POWER CO., | 1,732.77 | POWER HAYNES WELL |
| 12/19/2024 | SAFETY-KLEEN SYSTEMS, INC. | 364.00 | USED OIL SERVICE |
| 12/19/2024 | SALT LAKE VALLEY SWMC, UT | 243.78 | TRASH REMOVAL- SHOP |
| 12/19/2024 | STEVE REGAN CO. | 702.63 | BARB WIRE FENCE SUPPLIES |
| 12/19/2024 | THATCHER COMPANY | 15,562.88 | CHEMICALS |
| 12/19/2024 | THATCHER COMPANY | (7,500.00) | CHEMICALS |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 43.64 | POWER 3500 S TANKS |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 22.95 | POWER BACHUS TANKS |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 1,189.66 | POWER BOOSTER STATION |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 98.23 | POWER SECONDARY RES PUMP |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 310.66 | POWER SHALLOW WELLS |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 291.18 | POWER CEMENT SHOP |
| 12/20/2024 | ROCKY MOUNTAIN POWER CO., | 12.25 | JORDAN VALLEY CEMENT |
| 12/23/2024 | FERGUSON WATERWORKS #1616 | 169.16 | PARTS FOR WATER LINE & SHUT OFF VALVE- SHOP |
| 12/23/2024 | MOUNTAINLAND SUPPLY COMPANY | 2,470.14 | FILTER REPAIR- AMIADS FILTERS- SECONDARY |
| 12/23/2024 | MOUNTAINLAND SUPPLY COMPANY | 110.31 | CHECK VALVE |
| 12/23/2024 | POLYDYNE INC | 13,497.78 | CHEMICALS |
| 12/23/2024 | ROCKY MOUNTAIN POWER CO., | 1,761.07 | POWER 7600 RESERVOIR |
| 12/23/2024 | ROCKY MOUNTAIN POWER CO., | 4,514.15 | POWER ZONE 3 PUMP CULINARY |
| 12/23/2024 | SMITH HARTVIGSEN, PLLC | 3,387.50 | UPP PROPERTY |
| 12/26/2024 | CHEMTECH-FORD | 398.00 | WATER LAB & TESTING |
| 12/26/2024 | CHEMTECH-FORD | 415.00 | WWTP LAB & TESTING |
| 12/26/2024 | CHEMTECH-FORD | 531.00 | WWTP LAB & TESTING |
| 12/26/2024 | E.T. TECHNOLOGIES, INC | 2,185.68 | SLUDGE REMOVAL |
| 12/26/2024 | GENERATOR EXCHANGE, INC. | 285.00 | ALTERNATOR- #58 |
| 12/26/2024 | LEVERAGE IT SOLUTIONS | 2,880.00 | STANDARD SUPPORT - NOV 2024 |
| 12/26/2024 | M&M EXTERIORS | 8,338.00 | FASCIA, OSB REPLACEMENT & RESEAM ROOF- ADMIN |
| 12/26/2024 | STEVE REGAN CO. | 415.17 | BARB WIRE FENCE SUPPLIES |
| 12/26/2024 | WEAVER CONSULTANTS GROUP | 11,670.00 | CHEMICALS |
| 12/27/2024 | O'REILLY | 152.21 | AIR FILTERS - #8 |
| 12/27/2024 | O'REILLY | 269.16 | WELDING MATERIALS - WRF |
| 12/27/2024 | O'REILLY | 25.43 | WASHE HOSE KIT- #8 |
| 12/27/2024 | O'REILLY | 135.64 | SERVICE TRUCK SUPPLIES- SEWER |
| 12/27/2024 | O'REILLY | 42.95 | SERVICE TRUCK SUPPLIES- SEWER |
| 12/27/2024 | O'REILLY | 3.50 | FINANCE CHARGE |
| 12/31/2024 | CHEMTECH-FORD | 415.00 | WWTP LAB & TESTING |
| 12/31/2024 | CHEMTECH-FORD | 640.00 | WATER LAB & TESTING |
| 12/31/2024 | CONELY COMPANY | 338.26 | WASH NOZZLE- IN-LINE FILTER- SCREW PRESS- ADMIN |
| 12/31/2024 | E.T. TECHNOLOGIES, INC | 1,798.13 | SLUDGE REMOVAL |
| 12/31/2024 | E.T. TECHNOLOGIES, INC | 2,010.42 | SLUDGE REMOVAL |
| 12/31/2024 | DEPT OF GOVERNMENT OPER | 5,259.44 | FUEL FOR VEHICLES |
| 12/31/2024 | GUTTERS PREMIER | 1,920.00 | REPLACE DOWNSPOUTS- MECHANIC SHOP |
| 12/31/2024 | OWEN EQUIPMENT | 386,200.43 | VACTOR TRUCK |
| 12/31/2024 | PURCELL TIRE COMPANY | 586.24 | TIRES & ALIGNMENT- #69 |
| 12/31/2024 | SIX STAR MANAGEMENT | 1,800.00 | REFUND OF HYDRANT DEPOSIT |
| 12/31/2024 | THATCHER COMPANY | 8,539.75 | CHEMICALS |
| 12/31/2024 | THATCHER COMPANY | 7,609.61 | CHEMICALS |
| 12/31/2024 | THATCHER COMPANY | (3,500.00) | CHEMICALS |
| | | | |
| | | | |
| | | \$ 2,510,329.34 | |
| | | | |

| VENDOR NAME | AMOUNT | YTD Totals |
|--|------------|--------------|
| ADOBE | 167.18 | 1,161.31 |
| ADVANCED ENGINEERING & ENVIR. SERVICES | 33,742.40 | 289,772.82 |
| ALLDATA REPAIR | 1,500.00 | 1,500.00 |
| ALLOTECH | 3,980.00 | 3,980.00 |
| ALLSTATE | 478.27 | 5,739.24 |
| AMAZON CAPITAL SERVICES | 112.51 | 3,481.36 |
| AMBIENTE H2O INC | 3,970.15 | 29,134.36 |
| AMERITAS LIFE INSURANCE CORP | 1,642.83 | 17,898.87 |
| ANSERPHONE | 290.00 | 3,444.40 |
| APA BENEFITS | 50.00 | 9,725.00 |
| APPLICANT PRO | 175.90 | 1,918.82 |
| AQS ENVIRONMENTAL SCIENCE | 2,000.00 | 24,000.00 |
| ARDURRA | 5,843.75 | 36,242.23 |
| BANKCARD | 7,741.74 | 7,741.74 |
| BECK, SCOTT | 256.00 | 938.84 |
| BLUE STAKES OF UTAH 811 | 428.53 | 6,607.47 |
| BLUELINE SERVICES | 147.00 | 2,322.20 |
| BOWEN COLLINS & ASSOCIATES | 44,250.85 | 324,983.05 |
| CASELLE | 2,474.00 | 31,003.00 |
| CASH (PETTY) | 235.96 | 1,436.48 |
| CELLGATE | 177.00 | 905.00 |
| CHEMTECH-FORD | 11,111.00 | 95,834.00 |
| CINTAS 1ST AID | 370.12 | 5,254.21 |
| CONELY COMPANY | 338.26 | 338.26 |
| CORRIO CONSTRUCTION, INC. | 834,264.72 | 6,513,520.38 |
| COSTCO WHOLESALE | 1,152.16 | 4,443.01 |
| CRUS OIL INC./QUALCO | 908.92 | 2,218.25 |
| D DIAZ CONSTRUCTION LLC | 1,800.00 | 1,800.00 |
| DELCO WESTERN | 152.24 | 12,595.84 |
| DIVISION OF DRINKING WATER | 2,280.00 | 2,280.00 |
| E.T. TECHNOLOGIES, INC | 25,053.67 | 175,813.65 |
| FERGUSON WATERWORKS #1616 | 169.16 | 26,376.71 |
| DEPT OF GOVERNMENT OPER | 10,591.36 | 69,456.41 |
| GENERATOR EXCHANGE, INC. | 285.00 | 949.43 |
| GFOA | 135.00 | 295.00 |
| GRAINGER | 139.08 | 9,398.21 |
| GRANITE CONSTRUCTION | 2,656.20 | 7,969.20 |
| GREATER S.L. MUNICIPAL SERVICES DIST. | 9,950.00 | 11,425.00 |
| GUTTERS PREMIER | 1,920.00 | 1,920.00 |

| VENDOR NAME | AMOUNT | YTD Totals |
|--|------------|--------------|
| HACH COMPANY | 15,183.00 | 24,213.08 |
| HARRINGTON INDUSTRIAL PLASTICS | 553.31 | 2,122.24 |
| HORROCKS | 1,776.00 | 35,294.25 |
| INTERMOUNTAIN CONCRETE SPEC. | 294.34 | 1,255.29 |
| INTERMOUNTAIN FARMERS ASSOCIATION | 367.92 | 1,072.80 |
| JORDAN VALLEY WATER | 32,950.71 | 368,679.13 |
| KILGORE COMPANIES, LLC | 147.34 | 9,652.60 |
| LEVERAGE IT SOLUTIONS | 11,871.22 | 73,481.81 |
| LGG INDUSTRIAL, INC | 233.99 | 3,178.94 |
| LOWE'S | 1,041.18 | 10,852.14 |
| M&M EXTERIORS | 8,338.00 | 8,338.00 |
| MCGEES STAMP AND TROPHY CO. | 519.21 | 564.21 |
| MECHANICAL SERVICE & SYSTEMS, INC. | 4,579.03 | 28,581.37 |
| METERWORKS | 2,256.42 | 745,960.74 |
| MID ATLANTIC TRUST COMPANY | 3,531.22 | 247,439.78 |
| MORGAN ASPHALT | 53.41 | 8,585.00 |
| MOUNTAINLAND SUPPLY COMPANY | 2,816.89 | 62,059.20 |
| NATIONAL BENEFIT SERVICES, LLC | 52.00 | 42,260.00 |
| NICKERSON CO. | 46,376.00 | 46,376.00 |
| NOLAND & SON CONSTRUCTION | 664,789.07 | 2,285,656.99 |
| O'REILLY | 628.89 | 2,724.42 |
| OSINC, INC | 400.00 | 4,258.35 |
| OWEN EQUIPMENT | 386,220.93 | 400,901.34 |
| PENDLETON GROVE LLC | 1,800.00 | 1,800.00 |
| PITNEY BOWES GLOBAL FINAN SERVICES LLC | 190.20 | 760.80 |
| POLYDYNE INC | 13,497.78 | 80,986.68 |
| PURCELL TIRE COMPANY | 649.74 | 3,601.86 |
| READY MADE CONCRETE, INC. | 905.75 | 2,589.50 |
| REGENCE BCBS OF UTAH | 14,675.38 | 177,544.60 |
| REPUBLIC SERVICES | 2,653.90 | 31,001.92 |
| RHINO PUMPS | 36.08 | 91,334.39 |
| RICOH USA , INC | 659.07 | 4,132.48 |
| ROCKY MOUNTAIN POWER CO., | 69,494.32 | 942,210.89 |
| S.L.CO. ENGINEERING DIVISION | 125.00 | 17,125.00 |
| SAFETY-KLEEN SYSTEMS, INC. | 780.30 | 3,116.81 |
| SALT LAKE VALLEY SWMC, UT | 243.78 | 243.78 |
| SEBIS DIRECT, INC | 2,217.53 | 24,012.38 |
| SHRED-IT | 79.67 | 1,082.47 |
| SIGN NOW | 152.10 | 2,595.83 |

| VENDOR NAME | AMOUNT | YTD Totals |
|------------------------------------|--------------|---------------|
| SIX STAR MANAGEMENT | 1,800.00 | 1,800.00 |
| SKM INC. | 1,106.25 | 36,125.20 |
| SMITH HARTVIGSEN, PLLC | 3,387.50 | 40,862.00 |
| STAKER PARSON | 1,800.00 | 1,800.00 |
| STANTEC CONSULTING SERVICES INC. | 39,264.52 | 325,851.15 |
| STAPLES BUSINESS CREDIT | 514.17 | 4,680.37 |
| STEP SAVER, INC. | 817.32 | 2,043.30 |
| STEVE REGAN CO. | 1,117.80 | 5,280.26 |
| THATCHER COMPANY | 32,878.83 | 367,529.67 |
| THE LINCOLN NATIONAL LIFE | 731.10 | 8,042.10 |
| TRUGREEN COMMERCIAL | 441.00 | 1,377.00 |
| U. S. POSTMASTER | 16,000.00 | 56,342.00 |
| UNIFIED FIRE AUTHORITY | 700.00 | 700.00 |
| UTAH BROADBAND | 1,153.00 | 13,636.52 |
| UTAH DIVISION OF WATER QUALITY | 525.00 | 2,067.00 |
| UTAH-IDAHO TEAMSTERS SECURITY FUND | 43,386.00 | 512,884.50 |
| VANGUARD CLEANING SYSTEMS | 1,542.00 | 20,046.00 |
| VERIZON CONNECT | 1,126.00 | 6,820.60 |
| VESTIS | 3,205.61 | 13,139.76 |
| VLCM | 8,750.00 | 18,242.55 |
| WEAVER CONSULTANTS GROUP | 11,670.00 | 11,670.00 |
| WEST VALLEY CITY | 130.20 | 1,632.20 |
| WESTERN CONF TEAMSTERS PENSION | 30,401.40 | 343,201.38 |
| WHITAKER CONSTRUCTION | 1,800.00 | 1,800.00 |
| | | |
| TOTALS | 2,510,329.34 | 15,341,044.38 |
| | | |
| | | |

| MAGNA WATER DISTRICT ZIONS BANK BOND PAYMENT 11/04/2024 TO 12/01/2024 | | | |
|---|---------------------------|--------------|-----------------------|
| Check Issue Date | Payee | Amount | Description |
| 12/4/2024 | ZIONS FIRST NATIONAL BANK | 83,492.50 | 5436869-BOND SER 2013 |
| | | | |
| | | \$ 83,492.50 | |
| | | | |
| | | | |
| | | | |
| | | | |

Manager's Report



MEMO

TO: MWD Board of Directors
FROM: Clint Dilley, P.E., General Manager
DATE: 12/31/24 (January 9th Board Meeting)
RE: Report and Discussion from General Manager

PURPOSE OF MEMO

The purpose of this memo is to provide the Magna Water District (MWD) Board of Directors a general report from the General Manager and associated discussion with input from rest of management team to keep the board abreast of general matters in the District. The format of the memo will primarily be a list of bullet points to assist guiding the discussion in the board meeting.

REPORT FROM GENERAL MANAGER

After discussions with the board and management team we have focused our efforts on three main areas including 1) Staffing 2) Operations and 3) Communication as outlined in the following sections.

STAFFING

- Water Operations
 - One Service Maintenance position has been filled on construction crew & interviews will continue until second position has been filled
- Wastewater Operations
 - The Service Maintenance position on collections crew has been filled

OPERATIONS

- Water Operations
 - Construction crew working on install of fence along side of new railroad property
 - 7 out of 8 of the new EDR stacks have been installed by staff as of last week
 - Gearing up for next lead & copper rule requirements for providing filters when we complete service line replacements
- WWTP Operations
 - New vacuor truck was delivered on 12/26/24
 - Completed onsite training with Aqua Aerobics on Reuse Cloth Filter equipment
 - Collections crew attending blue stakes damage prevention training

- Office
 - Yoppify customer notification platform up and running now and will start with main break notifications
 - Completed transition of website and emails to .gov domain
 - Controller finalizing year-end inventory with operations departments
- Delinquent accounts
 - November 2024
 - Accounts that are delinquent: 806
 - Total of all delinquent accounts: \$114,845.70
 - Average delinquent account balance: \$142.49
 - Pink notices sent out = 357
 - Pink notices were 64% effective
 - Red notices were 92% effective as of 11/20/24
 - October 2024
 - Accounts that are delinquent: 714
 - Total of all delinquent accounts: \$109,509.90
 - Average delinquent account balance: \$153.37
 - Pink notices sent out = 367
 - Pink notices were 57% effective
 - Red notices were 97% effective as of 10/31/24
 - September 2024
 - Accounts that are delinquent: 727
 - Total of all delinquent accounts: \$97,875.68
 - Average delinquent account balance: \$134.63
 - Pink notices sent out = 444
 - Pink notices were 64% effective
 - Red notices were 94% effective as of 9/23/24

COMMUNICATION & MORALE

- Continue working toward improving communication w/ board members & community partners
 - Looking at teaming up with localscapes for putting on landscape design class out here in the community in Spring 2025
- Work to improve communication & morale with employees
 - Inaugural safety committee members will be recognized for their service to the District at January board meeting
- Work to improve communication with customers
 - Thorough and prompt response to customer concerns and complaints
 - None to report

Engineering Report

Engineering Report (Updated 12/31/24)

Capital and General Engineering Projects

- **8800 West Water line Project**
 - Upsize the water line in 8800 W from 3100 S to 2600 S. to 12-inch
 - Design 90%, bid in January/February
- **WRF Reuse Project**
 - Working on final items, landscape, sitework, clean interior
- **Influent Pump Station**
 - Processing submittals and RFI's
 - **Breaking Ground on Grit Building**
 - **Grubbing Pump Station Site**
 - **Preparing for by-pass on East & West Trunk lines**
 - Equipment Pre-procurement
 - Screw Pumps delivered
 - Grit Washers
- **WWTP Facility Plan Update**
 - WWTP model complete
 - Facility assessment complete
 - **Final Report Winter 2025**
- **Haynes Well #8 Replacement**
 - Well drilling and casing design complete
 - Pump house design complete
 - Working on paperwork and agreement for \$1.31 million grant
 - Submitted work plan and cost estimate to EPA for review
- **Haynes Well #7 Rehabilitation**
 - State Review of plan December
 - Bid December – January
 - **Start Feb/March 2025 so well is ready for service in summer 2025**
- **West Side Collection Phase 1B Project**
 - Awarded to BD Bush Excavation for Pilot Tube crossing method
 - **Anticipate February/March Start on open cut portion**
- **Solids Handling Building Expansion**
 - Plan review in progress
- **Change House**
 - Alternative Analysis complete.
- **Zone 3 Secondary Water Reservoir**
 - Property acquired
 - Design 80% complete.
- **Lobby Office**
 - Table and Chairs ordered (early January Delivery)

Water Operations Report

Water Production Report & Callout Report

December 2024

Water Production Summary

The culinary water production for the month of December was 98.2 million gallons or 301.43-acre feet, a 7.22% increase from 2023. YTD was 1,761.69 million gallons or 5,406,80-acre feet, a 8.78% increase from 2023.

We have purchased 798.53-acre feet of water from Jordan Valley Water.

Callout Report – Water and Wastewater Combined

Total number of call outs - 8

Water – 6

Wastewater – 2

Total Hours for call outs – 28

Water – 18

Wastewater – 10

Mainline Leak – 0

Service Line Leaks – 0

Miscellaneous - 8

Summary Of Water Deliveries
MAGNA WATER DISTRICT
System # 18014
Dec-24

| Source | Month's Deliveries (AF) | | Change % | Current Month's Gall | Deliveries YTD (AF) | | Change % | YTD Gallons |
|-----------------------------------|-------------------------|--------|----------|----------------------|---------------------|----------|----------|---------------|
| CULINARY WATER | 2024 | 2023 | | | 2024 | 2023 | | |
| Well Sources Barton and Haynes | 272.42 | 242.01 | | | 5,330.81 | 4,741.92 | | |
| To Waste | 31.27 | 29.18 | | | 629.86 | 573.47 | | |
| Total Finished Blend EDR | 238.17 | 208.56 | | | 4,608.27 | 4,118.89 | | |
| | | | | | | | | |
| JVWCD Magna Reading | 62.27 | 71.28 | | | 794.75 | 812.00 | | |
| JVWCD | 63.26 | 71.12 | | | 804.53 | 813.40 | | |
| Total Culinary Water | 301.43 | 279.68 | 7.22% | 98,214,334 | 5,412.80 | 4,932.29 | 8.88% | 1,763,641,798 |
| | | | | | | | | |
| SECONDARY WATER | | | | | | | | |
| Irrigation Well #1 | - | - | | | 231.72 | 106.60 | | |
| Irrigation Well #2 | - | - | | | 59.79 | 158.16 | | |
| Irrigation Well #3 | - | - | | | 36.55 | 59.66 | | |
| High Zone (secondary) | - | - | | | 348.80 | 172.36 | | |
| Low Zone (secondary) | - | - | | | 650.24 | 382.49 | | |
| | | | | | | | | |
| Total secondary Usage | - | - | #DIV/0! | - | 1,327.10 | 879.27 | 33.75% | 432,406,339 |
| | | | | | | | | |
| Total Production of Water | 301.43 | 279.68 | 7.22% | 98,214,334 | 6,739.90 | 5,811.56 | 14% | 2,196,048,137 |

* EDR Blend + Total Secondary + JVWCD = Total Production

DECEMBER CALL OUTS

| Dept. | Employee | Date | Hours | Description |
|----------------------------------|----------------|------------|-----------|---|
| WATER | MICHAEL HARMS | 12/1/2024 | 3 | SHUT WATER OFF AT METER, BROKEN PIPE IN HOME -2921 S DOVETAIL |
| EDR | MATT SKOGERBOE | 12/2/2024 | 3 | RESTART UNIT- LOW BLOWDOWN |
| SEWER | SCOTT BECK | 12/7/2024 | 4 | CHOPPER PUMP FAIL |
| SEWER | DYLLAN DELOBEL | 12/7/2024 | 3 | CHOPPER PUMP FAIL |
| WATER | JUSTIN LONG | 12/15/2024 | 3 | POSSIBLE SEWER BACKUP, NO BACKUP- 3633 S BOONE CIR |
| SEWER | CHET DRAPER | 12/20/2024 | 3 | SEWER SYSTEM TIE-IN WITH CORRIO |
| WATER | MATT HUNTER | 12/21/2024 | 3 | LEAKING WATER LINE - 8405 W 2700 S |
| | | | 3 | CUSTOMER NEED WATER SHUT OFF - 7743 W WASHINGTON |
| | | 12/22/2024 | 3 | LOW WATER PRESSURE- 4042 S DRY HOLLOW LN |
| Total Callout Hours | | | 28 | |
| Total Callouts | | | 8 | |
| Total Water/EDR Hours | | | 18 | |
| Total # of Water Callouts | | | 6 | |
| Total WWTP Hours | | | 10 | |
| Total WWTP Callouts | | | 2 | |

LEAKS

| Date | Address | Hours | Mainline/Service |
|--------------|---------|----------|------------------|
| TOTAL | | 0 | |

Controller/ Clerk Report

COMPLIANCE OF LEGAL REQUIREMENTS AND INTERNAL POLICIES CHECK LIST

| LEGAL REQUIREMENTS | DATE COMPLETED | DUE DATE | NEXT SCHEDULED FOR |
|--|--------------------------------------|--|--|
| Posting of Annual Schedule of Regular Board Meetings | 1/2/2025 | 1st Monday in January | 1/1/2026 |
| Adoption of District's Annual Tentative Budget | 10/10/2024 | 11/30/2024 | 10/1/2025 |
| Annual Certification and Filing of Budget with State Auditor | 11/30/2024 | 12/31/2024 | 12/31/2025 |
| Annual Filing of Impact Fees Report with State Auditor | 3/31/2024 | 3/31/2024 | 3/31/2025 |
| Annual Filing of Financial Statements with State Auditor | 6/30/2024 | 6/30/2024 | 6/30/2025 |
| Participation in Utah Public Finance Website (transparent.utah.gov) Salaries/Benefits | 1/31/2025 | 1/31/2025 | 1/31/2026 |
| Quarterly Budget to Actual Reports provided to Board of Trustees 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter | 5/16/2024 8/8/2024 11/14/2024 | May July November February | 05/31/2025 07/31/2025 11/30/2025 02/28/2026 |
| Quarterly Expenditures and Revenues posted to Utah Public Transparency Website 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter | 4/27/2024 7/30/2024 10/31/2024 | 04/30/2024 07/31/2024 10/31/2024 01/31/2025 | 04/30/2025 7/31/2025 10/31/2025 1/31/2026 |
| WWTP Annual Biosolids Report to State | 1/16/2024 | 2/18/2024 | 2/28/2025 |
| OSHA 300 Report - Posted & Submitted | 3/2/2024 | 3/2/2024 | 3/2/2025 |
| Board member contact information (name, phone number, and email address) posted on the Utah Public Notice Website | 1/8/2024 | 30 days after information has changed | 1/1/2025 |
| Semi-annual Report to State Money Management Council June 30 Report December 31 Report | 7/15/2024 1/25/2024 | 07/31/2024 01/31/2025 | 7/31/2025 1/31/2026 |
| File statement with Division of Corporations re: receipt of notice of claim | 1/8/2024 | January | 1/31/2025 |
| File with Registry of Lieutenant Governor | 5/22/2024 | A year from the last filing | 4/11/2025 |
| Disclosure regarding responsibility of homeowner to repair retail water line | 5/1/2024 10/31/2024 | Semi-Annually | 10/31/2024 |
| Annual ET Technologies Waste Renewal Certification | 4/30/2024 | 4/30/2024 | 4/30/2025 |
| Water Use Report | 3/31/2024 | 03/31/2024 | 3/31/2025 |

| | | | |
|--|------------|-------------------------------|------------|
| Municipal Wastewater Planning Program Report | 4/11/2024 | April 15 | 5/1/2025 |
| Publish Consumer Confidence Report | 7/1/2024 | Every July 1 | 7/1/2025 |
| Annual Employee Training | | | |
| Sexual Harassment & Discrimination | 5/31/2024 | December 31 | 5/31/2025 |
| Tuition Assistance Program | On-going | During Hiring Onboarding | On-going |
| Fraud Awareness Training | 9/1/2024 | December 31 | 9/1/2025 |
| Ethical Behavior | 7/31/2024 | December 31 | 7/31/2025 |
| Preventing Violence in the Workplace | 6/26/2024 | December 31 | 6/30/2025 |
| Annual Trustee Training | | | |
| Open and Public Meetings Act | 11/30/2024 | 12/01/2024 | 11/30/2025 |
| Utah Public Officers' and Employees' Ethics Act | 11/30/2024 | 12/01/2024 | 11/30/2025 |
| New Trustee Special and Local District training Course | 11/30/2024 | Within one year of Office | 11/30/2025 |
| Conflict of Interest Annual certification | 4/22/2024 | 2/29/2024 | 02/29/2025 |
| Employee Performance Evaluations | 11/30/2024 | 12/31/2024 | 11/30/2025 |
| Hotline | Ongoing | Posted on Website always | Ongoing |
| Annual Filing of Fraud Risk assessment with State Auditor | 12/12/2024 | June 30 of following year | 12/31/2025 |
| GRAMA Training Annual for Records Officer | 4/9/2024 | December 2024 | 4/9/2025 |
| Proper Notice of Public Meetings | Ongoing | date and time | Ongoing |
| Appoint A Board Chair Person Annually | 1/11/2024 | January Regular Board Meeting | 1/1/2025 |
| Public Tax Increase Hearing | Ongoing | When Needed | Ongoing |
| Review Insurance/Bonding Requirements | Annually | December 2024 | 2025 |
| Review Fund Balance Limitation | Annually | December 2024 | 2025 |
| Imposing/Increasing Fee - Public Hearing | 4/22/2021 | When needed | Unknown |
| Copies of "Robert's Rules of Order" | ongoing | ongoing | ongoing |
| (b) Subject to Subsection (3)(3), a board of trustees shall: (i) adopt rules of order and procedure to govern a public meeting of the board of trustees; (ii) conduct a public meeting in accordance with the rules of order and procedure described in Subsection (3)(b)(i); and (iii) make the rules of order and procedure described in Subsection (3)(b)(i) available to the public: (A) at each meeting of the board of trustees; and (B) on the local district's public website, if available | | | |
| Meeting Minutes | Ongoing | | Ongoing |
| Meeting Minutes and any materials distributed at the Meeting available on the Utah Public Notice Website, District website, and district office and within three business days after holding an open meeting, make an audio recording of the open meeting available to the public for listening. | | | |

AE2S

TASK ORDER NO. 5

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services—Task Order Edition dated , Owner and Engineer agree as follows:

1. TASK ORDER DATA

| | | |
|----|---------------------------------|--|
| a. | Effective Date of Task Order: | December 12th, 2024 |
| b. | Owner: | Magna Water District |
| c. | Engineer: | Advanced Engineering and Environmental Services, LLC |
| d. | Specific Project (title) | 8800 West Waterline Replacement |
| e. | Specific Project (description): | Bidding and Construction phase services for the 8800 W waterline replacement |
| f. | Related Task Orders | N/A |

2. BASELINE INFORMATION

Baseline Information. Owner has furnished the following Specific Project information to Engineer as of the Effective Date of the Task Order. Engineer's scope of services has been developed based on this information. As the Specific Project moves forward, some of the information may change or be refined, and additional information will become known, resulting in the possible need to change, refine, or supplement the scope of services.

Specific Project Title: 8800 West Waterline Replacement

Description of Improvements: _____

Prior Studies, Reports, Plans: _____

Facility Location(s): _____

3. SERVICES OF ENGINEER (“SCOPE”)

- A. The specific Basic Services to be provided or furnished by Engineer under this Task Order are:
- the services (and related terms and conditions) set forth in the following sections of Exhibit A, as attached to the Agreement referred to above, such sections being hereby incorporated by reference:
 - Bidding or Negotiating Services (Exhibit A, Paragraph A1.05)
 - Excluding Construction Phase Services (Exhibit A, Paragraph A1.06) except for:
 - Assisting with completion of contract documents with Contractor
 - Providing construction set of drawings and specifications
 - Providing as-built drawings after final completion of the project.

- B. All of the services included above comprise basic services for purposes of Engineer's compensation under this Task Order, with the exception of Resident Project Representative Services, if any, which are compensated separately.
- C. Additional Services: Services not expressly set forth as Basic Services in Paragraph 3.A above, and necessary services listed as not requiring Owner's written authorization, or requiring additional effort in an immediate, expeditious, or accelerated manner as a result of unanticipated construction events or Specific Project conditions, are Additional Services, and will be compensated by the method indicated for Additional Services in this Task Order. All other Additional Services require mutual agreement and may be authorized by amending the Task Order as set forth in Paragraph 8.05.B.2 of the Agreement, with compensation for such other Additional Services as set forth in the amending instrument.

4. DELIVERABLES SCHEDULE

- A. In submitting required Documents and taking other related actions, Engineer and Owner will comply with the following schedule:

| Party | Action | Exhibit A Reference | Schedule |
|----------|--|---------------------|---|
| Engineer | Submit 2 copies of Bidding/Proposal Phase deliverables (if any) | 1.05 | Within 7 days of written authorization by Owner to proceed with Bidding/Proposal Phase services. |
| Engineer | Submit 2 copies of Construction Phase deliverables (if any) | 2.02.A.22 | Within 30 days of final completion. |

5. ADDITIONS TO OWNER'S RESPONSIBILITIES

- A. Owner shall have those responsibilities set forth in Article 2 of the Agreement, and the following supplemental responsibilities that are specific to this Task Order: None

6. TASK ORDER SCHEDULE

- A. In addition to any schedule provisions provided above or elsewhere, the parties shall meet the following schedule: None

7. ENGINEER'S COMPENSATION

- A. The terms of payment are set forth in Article 4 of the Agreement.
- B. Owner shall pay Engineer for services rendered under this Task Order as follows:

| Description of Service | Amount | Basis of Compensation |
|------------------------------------|-----------------|-----------------------|
| 1. Basic Services | \$14,600 | |
| a. Study and Report Phase (1.02) | N/A | N/A |
| b. Preliminary Design Phase (1.03) | N/A | N/A |
| c. Final Design Phase (1.04) | N/A | N/A |
| d. Bidding/Proposal Phase (1.05) | \$7,800 | Hourly |
| e. Construction Phase (1.06) | \$6,800 | Hourly |
| f. Post-Construction Phase (1.07) | N/A | N/A |

| | | |
|---|-----------------|------------|
| 2. Resident Project Representative Services* | N/A | N/A |
| | | |
| TOTAL COMPENSATION (items 1 and 2) | \$14,600 | |
| | | |
| 3. Additional Services under Section 3.D above | (N/A) | |

*Based on a -month continuous construction period.

- C. Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and Subconsultants' charges, if any. Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered.

8. ENGINEER'S PRIMARY SUBCONSULTANTS FOR TASK ORDER, AS OF THE EFFECTIVE DATE OF THE TASK ORDER: NONE

9. ATTACHMENTS:

- A. Scope of Services

Execution of this Task Order by Owner and Engineer makes it subject to the terms and conditions of the Agreement and its exhibits and appendices, which Agreement, exhibits, and appendices are incorporated by this reference.

OWNER:

Magna Water District

By:**Date:**

Name: Clint Dilley, PE

Title: General Manager

Address for giving notices:

Magna Water District

8885 W 3500 S
Magna, Utah 84044
United States

Designated Representative:

Name: Trevor Andra, PE

Title: District Engineer

Address:

8885 W 3500 S
Magna, Utah 84044
United States

Phone: 801-250-2118

Email: trevor@magnawaterut.gov

ENGINEER:

Advanced Engineering and Environmental Services, LLC

By:**Date:**

Name: Sam Fankhauser, PE

Title: Operations Manager

Address for giving notices:

Advanced Engineering and
Environmental Services, LLC
4050 Garden View Drive, Suite 200
Grand Forks, North Dakota 58201
United States

Designated Representative:

Name: Russell Sprague, PE

Title: Project Manager

Address:

3400 North Ashton Boulevard, Suite 105
Lehi, UT 84043

Phone: 801-331-8489

Email: russell.sprague@ae2s.com

Detailed Scope of Services

AE2S Engineer will perform the following tasks:

1. Bid Period Services
 - Assist MWD with advertisement for bids.
 - Respond to RFIs with interpretations and clarifications.
 - Prepare up to 2 addenda, as necessary.
 - Attend a pre-bid meeting and bid opening meeting with contractors.
 - Evaluate bids and draft a letter of recommendation for award.
2. Construction Period Services
 - Assist District in completing contract documents necessary for construction (i.e. Notice of Award, Agreement, Certificate of Insurance, Notice to Proceed, Bonds, etc.)
 - Prepare "Released for Construction" set of specifications and plans
 - Prepare record drawings upon final completion of the project.

Change House

MAGNA WRF CHANGING ROOM AND OPERATIONS BUILDING STUDY

TO: Trevor Andra, P.E., District Engineer
Dallas Henline, Wastewater Operations Manager

COPIES: File

FROM: Nate Rogers, P.E.
Andee Harris, P.E.
Jeff Beckman, P.E.

DATE: December 2, 2024

SUBJECT: Magna WRF Changing Room and Operations Building Study

JOB NO.: 483-24-01

INTRODUCTION AND PURPOSE

The Magna Water District (District, MWD) owns and operates the Magna Water Reclamation Facility (MWRF) that treats sewer flows from the Magna City and a portion of West Valley City. The initial MWRF treatment facilities were constructed in the early 1960s and included primary and secondary clarifiers, an anerobic digester, and a digester control building. Since the initial construction, additional treatment processes and improvements have been constructed that have expanded the treatment capacity and upgraded the overall treatment process. As part of these subsequent upgrades, the original digester has been decommissioned and the digester control building has been repurposed to serve as the Operations Building for MWRF.

MWD desires to improve the current functionality and use of the existing Operations Building with the goal of providing an additional changing area and showers for the MWRF staff. MWD retained Bowen Collins & Associates (BC&A) to evaluate the feasibility of modifying the existing Operations Building to accommodate a larger changing room and to increase the number of showers. The initial concept included constructing an addition to the existing Operations Building that would provide space for a changing room with showers and lockers. The District also requested that BC&A evaluate the option of constructing a new Operations Building that is separate from the existing Operations Building for comparison. A separate Operations Building would allow for additional amenities such as a new control room, meeting rooms, office areas, and breakroom.

Initial meetings with District staff identified the following three alternatives to be included in the evaluation:

1. Alternative 1 - An expansion of the existing Operations Building to house a changing room with showers and lockers. This alternative is based on the initial concept.
2. Alternative 2 – Construction of a new, separate Operations Building located in the same location as the existing West Headworks Building. This concept would include the additional requested amenities while utilizing the footprint of the West Headworks Building which is scheduled to be decommissioned in late 2025.

3. Alternative 3 – Construction of a new Operations Building tentatively located in the open area to the south of the existing oxidation ditches. Like Alternative 2, this concept would include the additional requested amenities and a few other amenities such as parking for operations staff.

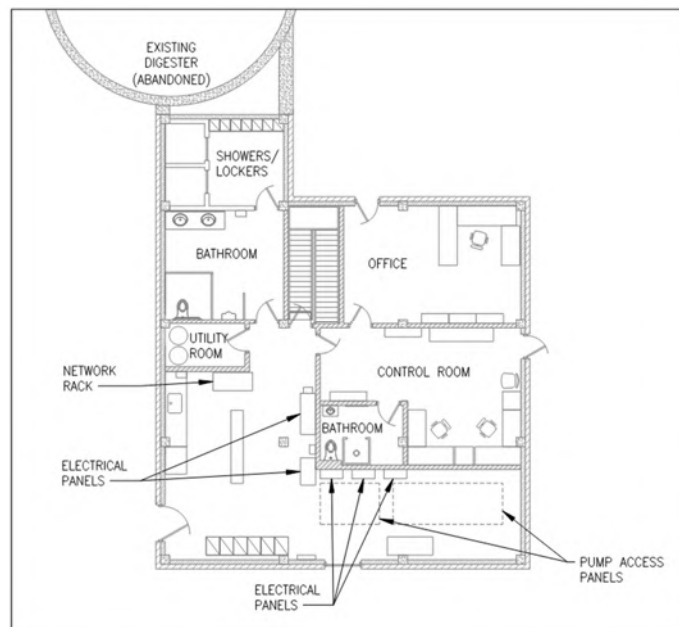
The purpose of this study is to provide a preliminary evaluation of each of these alternatives including advantages and disadvantages of each. The evaluation considered various aspects including constructability, structural requirements, existing utilities, and future operations. This report also provides an estimate of the probable cost of construction for each alternative along with a proposed timetable for design and construction.

BACKGROUND OF EXISTING OPERATIONS BUILDING

The existing Operations Building was constructed over sixty years ago and was originally used as the Digester Control Building. The building included critical equipment necessary for the treatment process such as chlorination equipment, sludge heat exchange equipment, a small laboratory, influent pumps and recirculation pumps. The digester was later decommissioned as part of subsequent MWRf expansion and improvement projects. Decommissioning of the digester allowed the Digester Control building to be repurposed. Over the years, various improvements and modifications have occurred to the Digester Control building, which is now referred to as the Operations Building.

The upper level of the Operations Building now includes an office for the senior operator, small control room with operator stations, SCADA network equipment, electrical gear, uniform storage, showers, and small changing area. The MWRf operators currently use these areas for many purposes. Some of these purposes include morning meetings, the main clock to punch in and out for work and a gathering area for lunches and breaks. The lower level of the building includes pumps and piping, some of which are necessary for continued operations of the MWRf. A portion of the lower level is also used for storage. Figure 1 below includes a layout of the upper level of the existing Operations Building. Appendix A includes photos of the existing Operations Building.

Figure 1 – Upper Level Layout of Existing Operations Building



The existing Operations Building is constructed of reinforced cast-in-place concrete and unreinforced masonry. Based on site visits and visual inspections, the cast-in-place concrete portions of the building appear to be in sound structural condition. The masonry walls appear to be structurally sound; however, their lack of reinforcement means they fail to meet the current building code and pose a substantial risk of failure during a seismic event.

The roof of the existing building also shows signs of deterioration and routinely leaks during rain and snow events. Irrespective of the evaluation of the alternatives included in this study, it is recommended that a detailed seismic evaluation of this building and repair to the roof structure be completed if this building continues to be utilized for its current purposes.

While the District has made good use of the existing MWRf Operations Building, there are concerns with the mixed use of space within the building. These concerns include high voltage electrical gear being located near the frequently accessed areas, SCADA network rack located near a wet area (showers), and insufficient shower and changing areas for staff.

ALTERNATIVE ANALYSIS

Below is a detailed summary of each alternative that includes information gathered from discussions with the District, BC&A, and other subconsultants. An overall site plan of the proposed locations of each of these alternatives can be seen in Figure 2. Included in this site plan are existing structures, utilities and areas that are currently under construction.

Moreover, District staff have identified additional amenities that should be considered in each alternative. Although each of the amenities is not critical to the treatment process and is not required, these amenities should be considered as they provide MWD staff with a safe and improved working environment. The following amenities were identified to be included in the evaluation:

- Showers
- Lockers
- Restrooms
- Uniform Storage
- SCADA Control Center
- Kitchen/Breakroom

A cost estimate for each of the alternatives can be seen in Appendix B, detailed by each respective section. These cost estimates are based on professional judgement, past project experience, and referencing unit cost items listed in RS means, 2021 edition.

The current construction industry in the mountain states region has experienced significant cost increases within the last couple of years. BC&A attempted to capture these increases; however, material and labor costs are in continual flux, and it is recommended that the District carefully monitor the construction market as consideration of the project proceeds. The estimated project cost is simply that, an estimate, and is intended to be used as a planning tool for the District.



For easier cost comparison between the alternatives investigated, the construction of each was assumed to have the following similar structural and architectural features:

- Reinforced concrete masonry unit (CMU) blocks on concrete footings
- Steel roof joists with flat roof and parapet wall similar to other buildings at the MWRF
- Rigid insulation on roof with TPO style roofing
- Framed interior walls with gypsum board

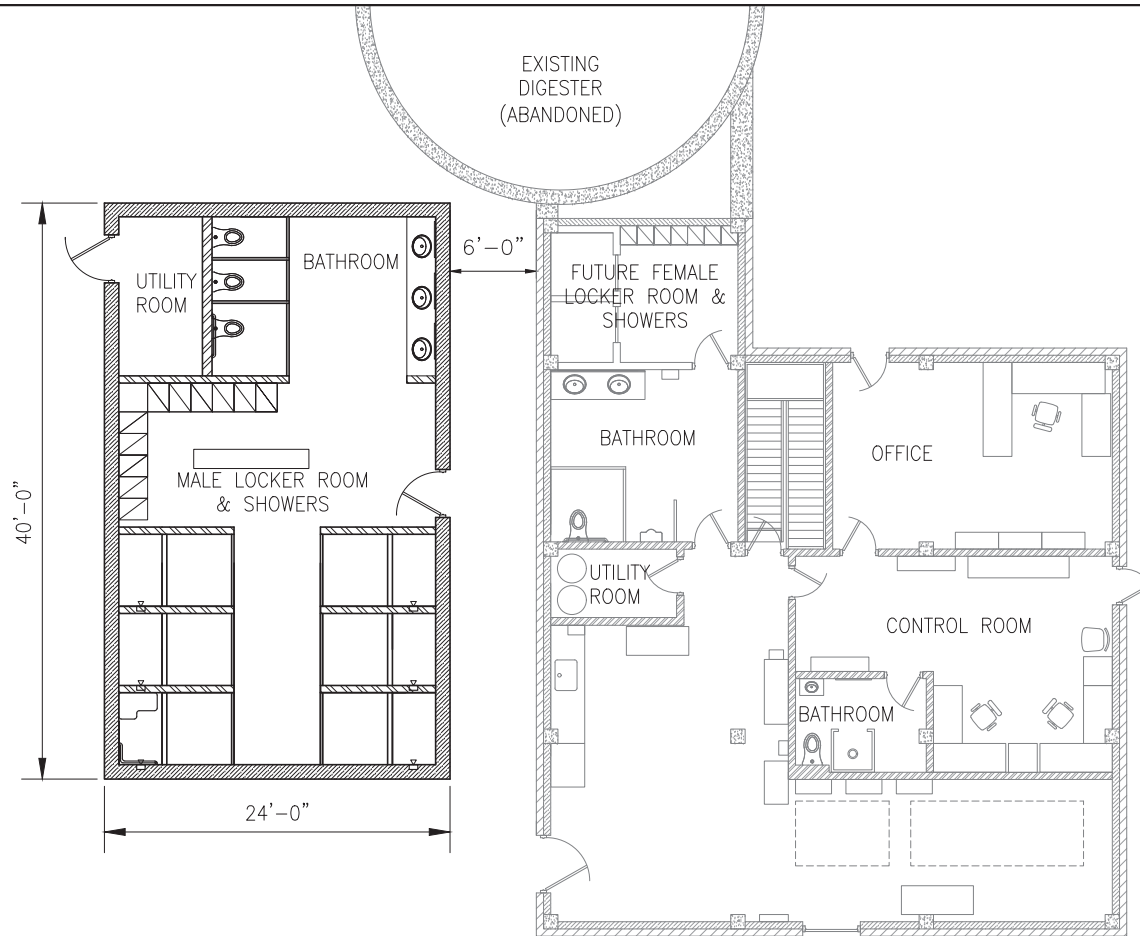
Alternative 1 – Existing Operations Building Expansion

When evaluation of this alternative first began, it was considered to expand the existing Operations Building with an attached addition to house the requested changing room. There were some concerns with an attached addition given the age of the existing building and the significant structural modifications that would be required. While the existing Operations Building is currently structurally sound, it contains several structural deficiencies when compared to current building codes. The building was designed and constructed in the early 1960s and would have been designed using the 1958 Uniform Building Code. This version of the code did not require any reinforcing in the exterior masonry walls. There is no evidence of any modifications that have been made to the building that would have provided reinforcement in the walls. After reviewing chapters 10 and 11 of the current 2021 International Existing Building Code (IEBC) which detail the provisions required to modify an existing building structure, it was determined that the financial commitment for an attached addition would be significantly more than a separate adjacent structure.

Therefore, it was determined that this alternative should be considered as a detached expansion that would sit adjacent to the existing Operations Building.

Proposed Layout. As shown in Figure 3, the proposed detached expansion would be located adjacent to the existing Operations Building with a recommended offset of at least 6 feet to allow for adequate clearance for the construction of the footings and foundation. To maintain an adequate driving path between the existing shop and the new detached expansion, the footprint of the expansion was designed to be no larger than 24 feet wide by 40 feet long. This alternative would also likely require the relocation of the power pole and small shed located on the southeast corner of the detached expansion to clear the area for an adequate driving path.

With the limited footprint, the detached expansion only includes a changing room with lockers, showers, and restrooms. The entrance to the detached expansion is currently shown on the east side of the building as there was initially some discussion about including a breezeway between the two buildings for easier access. While still a possibility, this idea of a breezeway was removed as it would require demolition somewhere along the west wall of the existing Operations Building for a new entrance and a remodel of the existing layout to accommodate the entrance.



Magna Water District
WRF Changing Room and Operations Building Study
FIGURE 3 -
ALTERNATIVE 1: OPERATIONS BUILDING EXPANSION

With the expansion being detached from the existing Operations Building, it is recommended that a separate Utility Room be provided to house electrical, plumbing, and other mechanical equipment. This would ensure the utilities are up to date with current building codes and housed in a structure designed for seismic events rather than extending those utilities from the existing building. During one site visit, District staff expressed concern regarding the existing HVAC system and how it struggles to maintain set temperatures in the summer months. After some coordination with an HVAC consultant, it is possible that the existing HVAC system was not designed for the heating loads produced by the electrical equipment and current occupancy of the building. If Alternative 1 were selected, it is recommended that a complete HVAC design be provided for both the existing Operations Building and the adjacent expansion. It would be proposed that all HVAC equipment be installed on the roof to maintain adequate clearance around the building for vehicles.

As shown in the site plan on Figure 2, there are some concerns with existing utilities that currently serve the existing operations building. The main SCADA, network, and communication lines and electrical duct bank run out of the west side of the existing operations building and out to different locations of the MWRf. This alternative would require rerouting or replacement of these communication and electrical lines. Given the importance of these utilities, an extended construction schedule may be required to verify that these were replaced or rerouted in the correct order so as to minimize interference with the MWRf operations.

Cost Estimate. As mentioned earlier, the construction of each alternative was assumed to have similar structural and architectural features for easier comparison. If desired, options such as an exterior masonry veneer (to match the existing operations building) could be included for Alternative 1 but were not included in this cost estimate.

The overall estimated cost for Alternative 1 is **\$738,000** which includes a 20% contingency. This was the least expensive alternative as it had a significantly smaller footprint than the other alternatives investigated. There were no included demolition costs in this estimate as it is assumed that this alternative would not require demolition of any existing structure and would only require rerouting certain utilities to be out of the construction area.

Advantages & Disadvantages. Table 1 below shows the advantages and disadvantages identified while investigating and designing Alternative 1.

Table 1 – Alternative 1 Advantages & Disadvantages

| Advantages | Disadvantages |
|--|---|
| - Provides Showers and Change Area for District Staff | - Due to the limited available footprint, the only amenities that were included was a changing room, lockers, showers and bathroom |
| - Alternative 1 is the most affordable of the identified options | - SCADA network equipment remains in a building that is not designed for seismic activity |
| | - This Alternative would require moving certain utilities including overhead power lines, underground communication lines and gas lines |
| | - The existing Operations Building may need a new HVAC system if current occupancy requirements remain |

Alternative 2 – New Building at West Headworks Location

The District is currently constructing the MWD Influent Project, which is scheduled for completion in March 2026. As part of that project the West Headworks Building will be decommissioned in late 2025 and afterward no plant operations will occur in that building. Due to its longtime service as a headworks building it is not well suited for other purposes such as a maintenance area or storage facility. Over the past few years, the interior and exterior features of the building have begun to decline, likely due to the hydrogen sulfide gases that are present in the wastewater flows that currently run through the building.

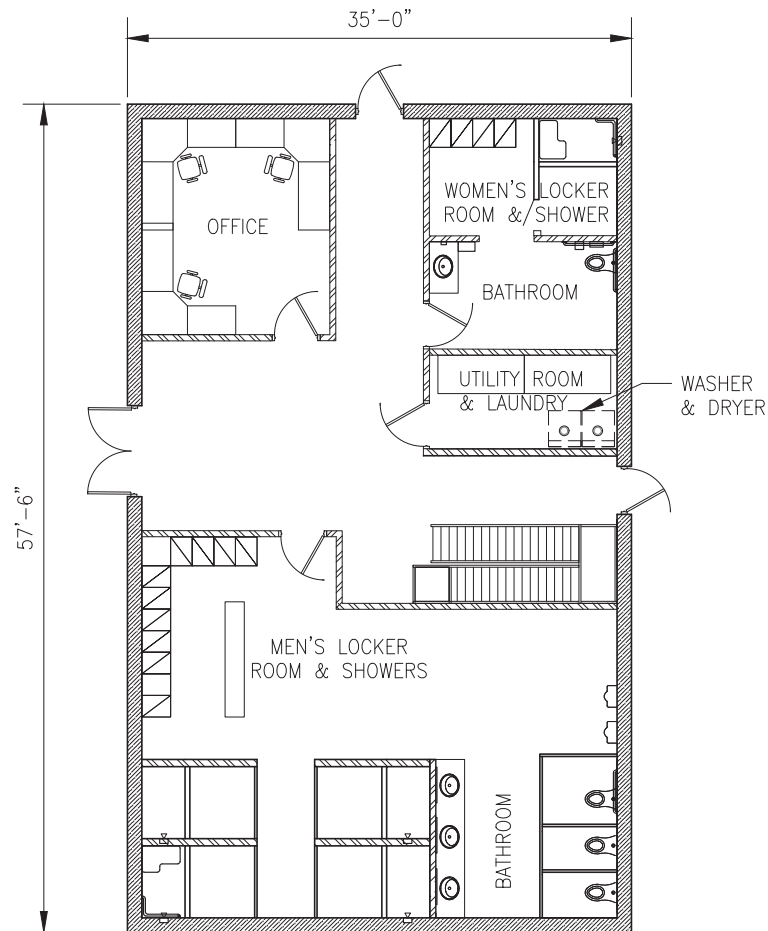
As part of this evaluation, Alternative 2 investigated the option of demolishing the existing West Headworks Building and replacing it with a new Operations Building. By utilizing the area of the existing West Headworks Building, the footprint of this alternative is governed by the existing building to better utilize space at the MWRf.

In evaluating the feasibility of putting a new structure on top of a demolished building footprint, BC&A discussed this alternative with Intermountain GeoEnvironmental Services (IGES), Inc. as they have performed several geotechnical studies at the MWRf site and are familiar with the geotechnical conditions there. During this discussion, two demolition ideas were proposed. The first was to remove both the above and below grade structure and replace the below grade structure with compacted structural fill to prepare the site for the future building. The second was to remove the above grade structure and only 4 feet below grade of the existing structure and filling the rest of the structure with flowable fill. Structural fill would then be placed on top of the flowable fill to prepare the site for the future building. The second option was proposed to both minimize costs and alleviate concerns of settlement if the structure was to be completely replaced with compacted structural fill. In these discussions, IGES did not raise any major concerns with either proposal and was confident that BC&A could take steps during design and construction to address settlement.

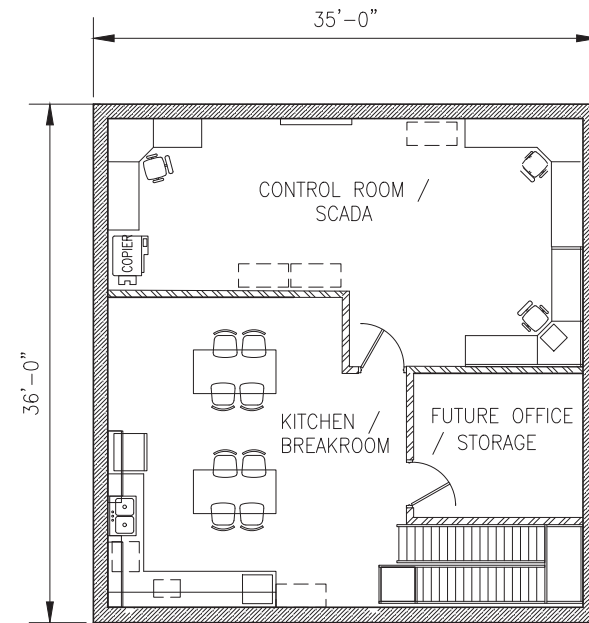
Proposed Layout. The proposed new building in Alternative 2 would not include a basement like the existing West Headworks Building and would only need a few feet of below-grade foundation to structurally support a new building. To accommodate the requested amenities, this alternative proposes the use of a two-story building seen in Figure 4. With the height of nearby existing buildings on the site, a two-story building would complement the other buildings while providing the necessary space for operations staff. The following amenities were included in the Alternative 2 design:

- Showers, Restrooms & Locker Rooms for Male and Female Operations Staff (Main Floor)
- Utility, Uniform and Laundry Rooms (Main Floor)
- Office Space (Main Floor)
- Control/SCADA Room (Upper Floor)
- Kitchen/Breakroom (Upper Floor)
- Future Office or Storage Area (Upper Floor)

It is noted that the upper floor is shown to only occupy ~60% of the available footprint. This was done to help minimize the overall cost of the new building, but the additional space could be utilized if desired. It was assumed that the SCADA network equipment would be located in the SCADA control room, but a separate room could be designed to house this equipment.



MAIN FLOOR LAYOUT
1/8" = 1'-0"



UPPER FLOOR LAYOUT
1/8" = 1'-0"



Magna Water District
WRF Changing Room and Operations Building Study
FIGURE 4 -
ALTERNATIVE 2: NEW BUILDING AT WEST HEADWORKS

Since this new Operations Building would sit in the same location as the existing West Headworks Building, it would utilize the same utility lines that currently run to that building. In looking into potential demands at the new building for electrical, gas and water it was determined that each of the existing utilities would be sufficient to serve the new Operations Building. One utility that does not currently exist is sanitary sewer, but the main MWRf plant drain line runs adjacent to the building and a sanitary sewer connection could be made to that line to serve the new building.

Cost Estimate. In creating the cost estimate for this alternative, BC&A discussed the proposed demolition with Corrio Construction, as they are currently working near the existing West Headworks Building. It was determined that it would be less expensive to go with the second demolition option explained above and backfill the remaining below grade structure with flowable fill. With this approach, the demolition cost, included in the “Existing Conditions” line item of the cost estimate (Appendix B), would be less than 5% of the overall projected building cost. This percentage only considers the removal of the existing structure and not the cost of flowable fill.

The overall estimated cost for Alternative 2 is **\$1,640,000** including a 20% contingency. This was the most expensive alternative as the concrete, masonry and metals estimates are higher due to the upper floor.

Advantages & Disadvantages. Table 2 below shows the advantages and disadvantages identified while investigating and designing Alternative 2.

Table 2 – Alternative 2 Advantages & Disadvantages

| Advantages | Disadvantages |
|--|--|
| - Includes amenities in addition to changing area and showers, such as new control rooms, offices, breakroom | - Additional demolition costs |
| - Demolition of the West Headworks Building since it will soon be decommissioned | - Building footprint limited by existing West Headworks Building |
| - Location is nearby the existing Operations Building | - Highest cost of three alternatives |
| - The same utility connections can be used to serve the new Operations Building | |
| - Preserves space at the MWRf for other improvements | |
| - Relocation of the SCADA network equipment to secure space | |

The main intent of Alternative 2 is two-fold – utilize the space that would exist as a result of the decommissioning of the existing West Headworks building and provide an opportunity to include the demolition of that building into the same project. As shown in Photo 11 in Appendix A, certain features of the existing West Headworks building have begun to deteriorate and would require

immediate attention in addition to ongoing maintenance if this building were to remain. Since the majority of the working area in the existing West Headworks Building is below grade, it is not well suited for other purposes such as a storage area. After decommissioning, the existing building would be abandoned and may become a safety concern given its current condition. If the existing West Headworks building was to remain, it would likely require significant upgrades to maintain what functionality it could still have after decommissioning.

Alternative 3 – New Building South of Oxidation Ditches

There are a few undeveloped areas at the MWRf that are well suited for additional structures. Alternative 3 investigated providing the District with a new Operations Building that would be built to suit each of the proposed amenities while also looking ahead to accommodate future growth.

While there are few areas shown in the attached site plan in Figure 2 that could accommodate a new Operations Building, it was intentionally located in the open space south of the existing Oxidation Ditches. This location minimizes the number of utilities that would need to be rerouted as well as still maintaining proximity to the existing Operations Building.

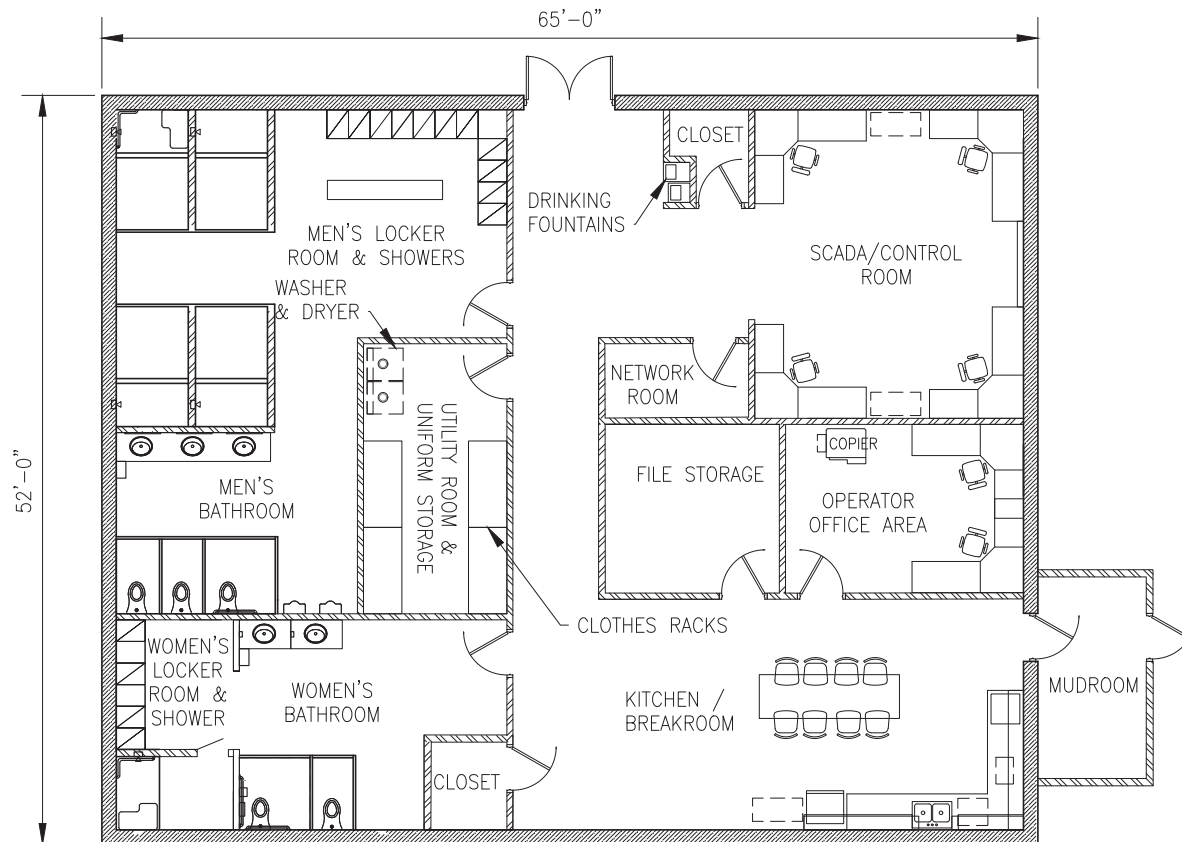
Electrical, gas, and water service are nearby this location and could easily be tapped or connected to for service for the new Operations Building. There is a sewer line that runs from the MWRf Administration Building to the existing Operations Building that would pass underneath this building. This alternative would require that this sewer line be rerouted.

Proposed Layout. Given the open area available, the building layout shown in Figure 5 is on a single level. This would maintain easy access to all areas, a common feature to the other buildings at the MWRf. As this building can be built to suit, the listed proposed amenities including a few others suggested by District staff were included in the design:

- Showers, Restrooms & Locker Rooms for Male and Female Operations Staff
- Utility, Uniform and Laundry Rooms
- Office Space
- Control/SCADA Room
- Kitchen/Breakroom
- Network Room
- File Storage Room
- Outside Parking Area
- Mudroom

The layout of Alternative 3 was reviewed with District staff to confirm that the size and layout for each of the requested amenities was sufficient.

Cost Estimate. The overall estimated cost for Alternative 3 is **\$1,537,000** which also includes a 20% contingency. While this alternative provided a similar square footage as Alternative 2, the lower cost is due to the building being built on a single level and not requiring any demolition prior to construction.



Magna Water District
WRF Changing Room and Operations Building Study
FIGURE 5 -
ALTERNATIVE 3: NEW BUILDING SOUTH
OF OXIDATION DITCHES

Advantages & Disadvantages. Table 3 below shows the advantages and disadvantages identified while investigating and designing Alternative 3.

Table 3 – Alternative 3 Advantages & Disadvantages

| Advantages | Disadvantages |
|---|--|
| - Includes amenities in addition to changing area and showers, such as new control rooms, offices, and breakroom. | - Sewer line from Admin Building would need to be rerouted around the building |
| - New Building can be designed to suit current and future needs | - Higher costs than Alternative 1 |
| - Location is central to the MWRF | |
| - Additional amenities can be considered given available area | |
| - Relocation of the MWRF network rack to air conditioned, secure space | |

Alternative 3 provides the District the space necessary to include the amenities desired, while relocating critical infrastructure (i.e. SCADA network) to a new building that is designed to current seismic standards. The location also allows for construction of the new building while minimizing disruptions to the current treatment operations. If this alternative was selected, many design combinations could be utilized to provide and optimize the desired amenities. The conceptual layout in Figure 5 was developed through multiple design iterations and discussions with District staff and should be considered as a good starting point for design.

SUMMARY

Each of the alternatives analyzed for this study are feasible. While an expansion of the existing Operations Building will provide a changing room with showers and lockers, it will not provide any of the other proposed amenities. Below is a summary table for a quick comparison of each of the alternatives.

| | Alternative 1 | Alternative 2 | Alternative 3 |
|-----------------------------------|---------------|---------------|---------------|
| Cost Estimate | \$738,000 | \$1,640,000 | \$1,537,00 |
| Amenities Provided | | | |
| Showers, Restrooms & Locker Room | ✓ | ✓ | ✓ |
| Utility, Uniform and Laundry Room | | ✓ | ✓ |
| SCADA/Control Room | | ✓ | ✓ |
| Kitchen/Breakroom | | ✓ | ✓ |
| Office Space | | ✓ | ✓ |
| Storage Area | | ✓ | ✓ |
| Future Office Space | | ✓ | ✓ |
| Network Room | | | ✓ |
| File Storage Room | | | ✓ |
| Outside Parking Area | | | ✓ |
| Mudroom | | | ✓ |

It is understood that the existing Operations Building holds historical value for the site, as it dates back to the original MWRf construction. Therefore, we do not recommend demolition of the building and recommend utilizing the existing building for storage or other low-risk occupancies in the future. This approach will help ensure that any potential structural failure due to an earthquake does not impact the operations of the MWRf.

It is recommended that a completely new Operations Building be built either in place of the existing West Headworks building or in an undeveloped area similar to the location shown for Alternative 3 to provide operations staff with additional space to better operate and manage the MWRf.

Given the amount of work required for each of these alternatives, it is estimated it would take approximately 18 months from notice to proceed to project completion. This timeline would include a complete design package with contract documents, bidding and construction. It is recommended that the District provide at least 6 weeks for the bidding process to allow for competitive bids. It is noted that the estimated schedule will be subject to some variation depending on which alternative is selected.

APPENDIX A PHOTOS



Photo 1 - Operations Building South Elevation



Photo 2 - Operations Building West Elevation

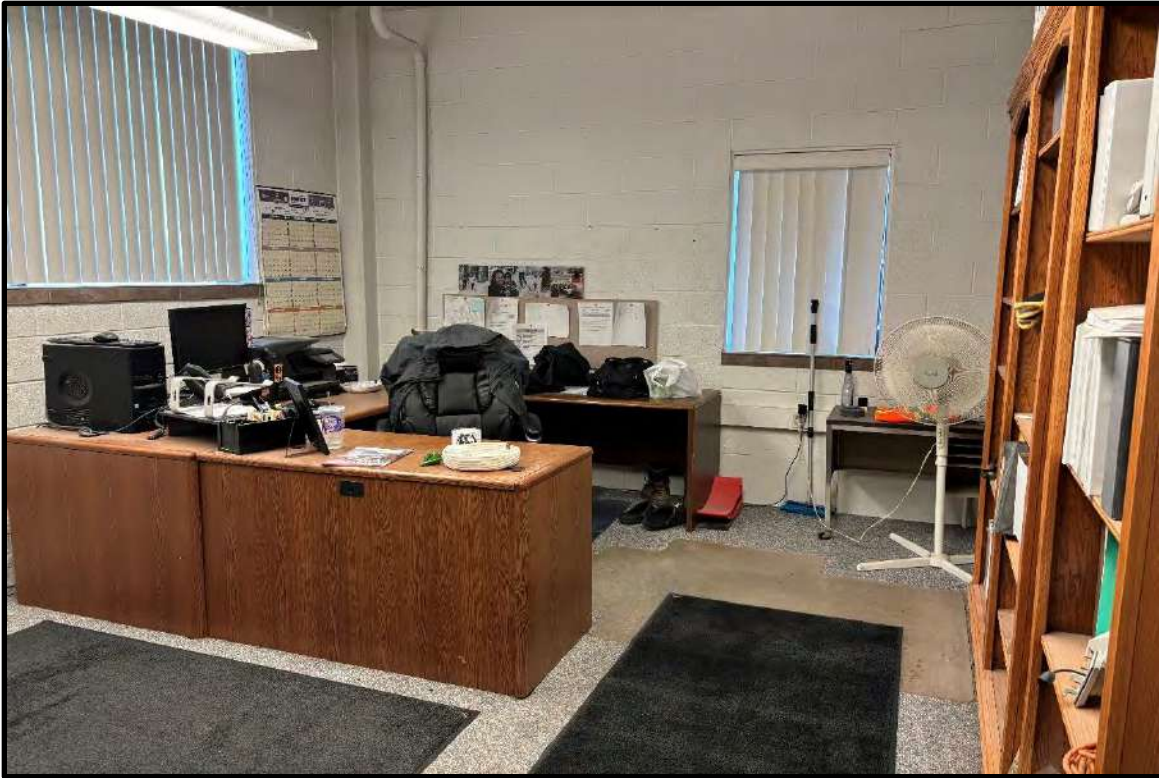


Photo 3 – Lead Operator Office



Photo 4 – Control Room/Operator Stations



Photo 5 – Uniform Storage Area And Electrical Gear

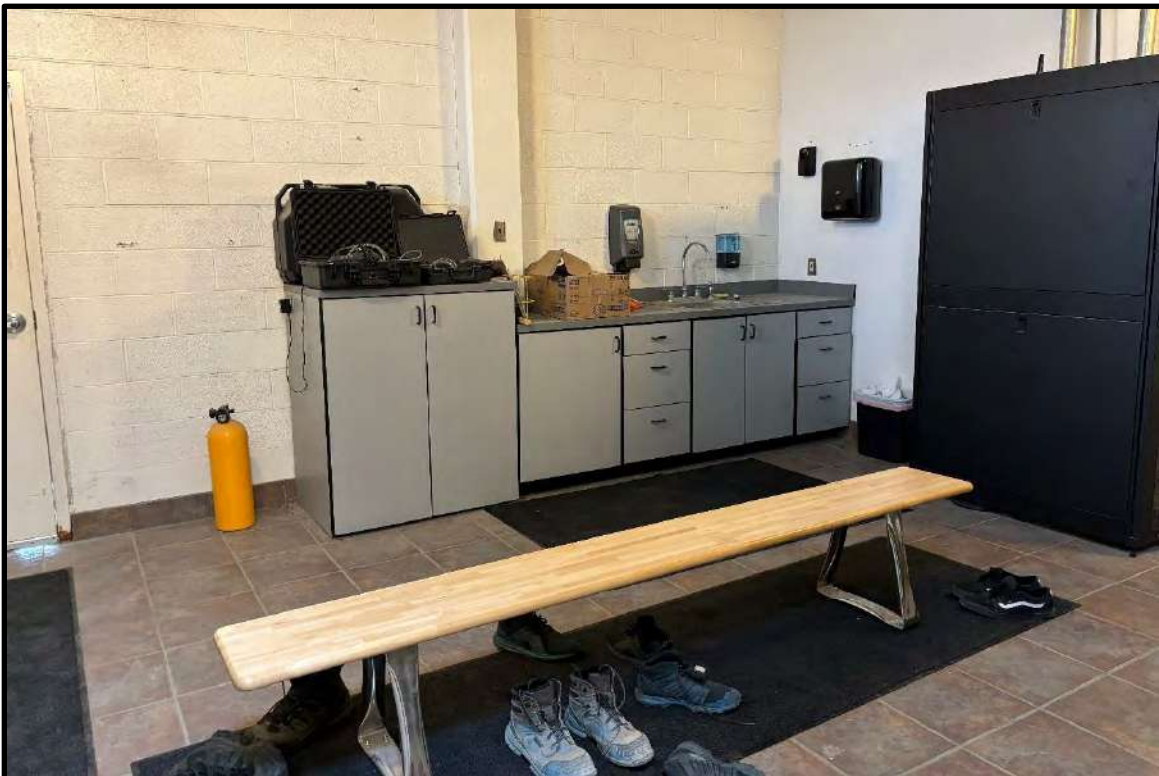


Photo 6 – Changing Area And Network Cabinet



Photo 7 – Showers And Lockers



Photo 8 – Electrical Gear Outside Showers



Photo 9 – Lower Level Pumps



Photo 10 – Lower Level Storage



Photo 11 – West Headworks (Location for Alternative 2)



Photo 12 – Inside West Headworks



Photo 13 – West Grass Area (Alternative 3)

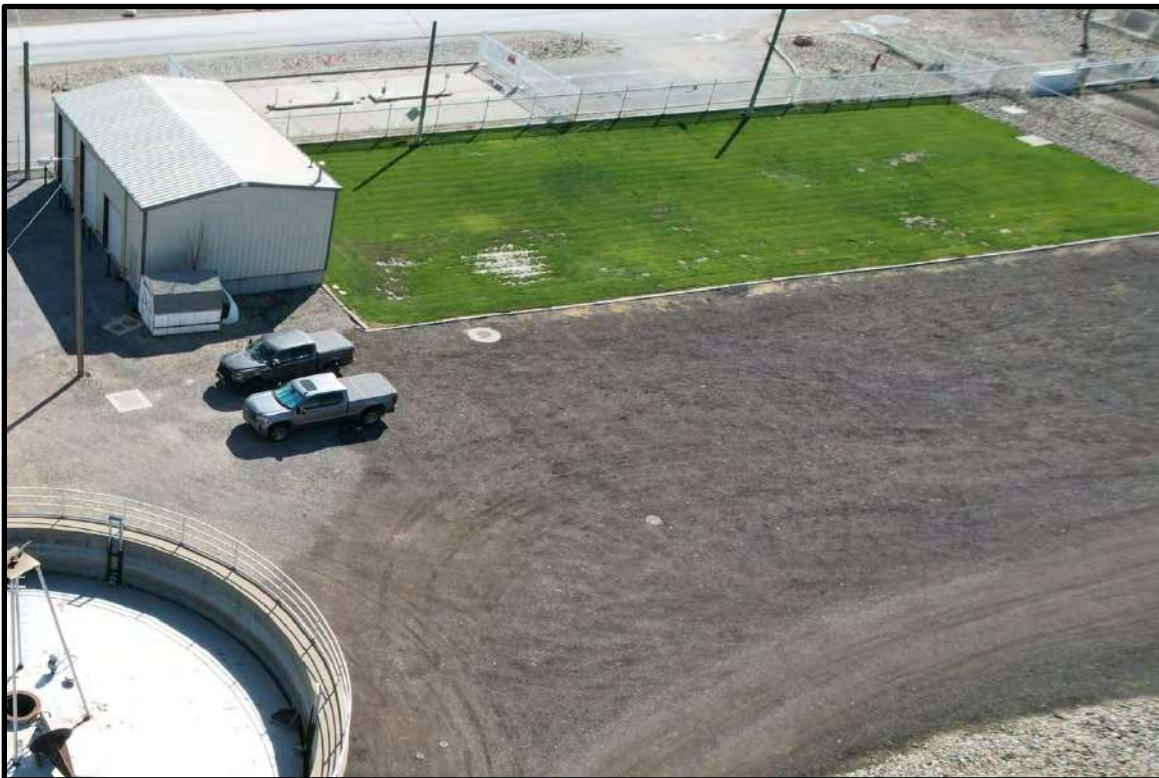


Photo 14 – West Grass Area Aerial (Alternative 3)

APPENDIX B
COST ESTIMATES

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 1, see Page 7

Date: 12/1/2024

Prepared By: NR

| No. | Item | Quantity | Units | Unit Cost | Cost |
|-----|---|----------|-------|----------------------|-------------------|
| 1 | 01 71 00 - MOBILIZATION | 1 | LS | \$ 55,851 | \$ 55,851 |
| 2 | 02 00 00 - EXISTING CONDITIONS | 1 | LS | \$ 6,600 | \$ 6,600 |
| 3 | 03 00 00 - CONCRETE | 1 | LS | \$ 66,110 | \$ 66,110 |
| 4 | 04 00 00 - MASONRY | 1 | LS | \$ 59,675 | \$ 59,675 |
| 5 | 05 00 00 - METALS | 1 | LS | \$ 35,904 | \$ 35,904 |
| 6 | 06 00 00 - WOOD, PLASTICS, AND COMPOSITES | 1 | LS | \$ 19,114 | \$ 19,114 |
| 7 | 07 00 00 - THERMAL & MOISTURE | 1 | LS | \$ 16,896 | \$ 16,896 |
| 8 | 08 00 00 - OPENINGS | 1 | LS | \$ 16,940 | \$ 16,940 |
| 9 | 09 00 00 - FINISHES | 1 | LS | \$ 42,471 | \$ 42,471 |
| 10 | 10 00 00 - SPECIALTIES | 1 | LS | \$ 41,289 | \$ 41,289 |
| 11 | 12 00 00 - FURNISHINGS | 1 | LS | \$ 2,255 | \$ 2,255 |
| 12 | 21 00 00 - FIRE SUPPRESSION | 1 | LS | \$ 22,550 | \$ 22,550 |
| 13 | 22 00 00 - PLUMBING | 1 | LS | \$ 60,610 | \$ 60,610 |
| 14 | 23 00 00 - HVAC | 1 | LS | \$ 50,270 | \$ 50,270 |
| 15 | 26 00 00 - ELECTRICAL | 1 | LS | \$ 65,789 | \$ 65,789 |
| 16 | 28 00 00 - ELECT. SAFETY & SECURITY | 1 | LS | \$ 3,168 | \$ 3,168 |
| 17 | 31 00 00 - EARTHWORK | 1 | LS | \$ 26,980 | \$ 26,980 |
| 18 | 32 00 00 - EXTERIOR IMPR. | 1 | LS | \$ 16,580 | \$ 16,580 |
| 19 | 33 00 00 - UTILITIES | 1 | LS | \$ 5,308 | \$ 5,308 |
| | Subtotal | | | | |
| | | | | Contingency (20%) | \$ 122,872 |
| | | | | Project Total | \$ 737,300 |

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 2, see Page 10

Date: 12/1/2024

Prepared By: NR

| No. | Item | Quantity | Units | Unit Cost | Cost |
|-----|---|----------|-------|----------------------|---------------------|
| 1 | 01 71 00 - MOBLIZATION | 1 | LS | \$ 95,328 | \$ 95,328 |
| 2 | 02 00 00 - EXISTING CONDITIONS | 1 | LS | \$ 49,500 | \$ 49,500 |
| 3 | 03 00 00 - CONCRETE | 1 | LS | \$ 228,443 | \$ 228,443 |
| 4 | 04 00 00 - MASONRY | 1 | LS | \$ 151,074 | \$ 151,074 |
| 5 | 05 00 00 - METALS | 1 | LS | \$ 147,235 | \$ 147,235 |
| 6 | 06 00 00 - WOOD, PLASTICS, AND COMPOSITES | 1 | LS | \$ 61,883 | \$ 61,883 |
| 7 | 07 00 00 - THERMAL & MOISTURE | 1 | LS | \$ 35,728 | \$ 35,728 |
| 8 | 08 00 00 - OPENINGS | 1 | LS | \$ 47,905 | \$ 47,905 |
| 9 | 09 00 00 - FINISHES | 1 | LS | \$ 88,481 | \$ 88,481 |
| 10 | 10 00 00 - SPECIALTIES | 1 | LS | \$ 52,553 | \$ 52,553 |
| 11 | 12 00 00 - FURNISHINGS | 1 | LS | \$ 3,465 | \$ 3,465 |
| 12 | 21 00 00 - FIRE SUPPRESSION | 1 | LS | \$ 29,150 | \$ 29,150 |
| 13 | 22 00 00 - PLUMBING | 1 | LS | \$ 96,250 | \$ 96,250 |
| 14 | 23 00 00 - HVAC | 1 | LS | \$ 72,270 | \$ 72,270 |
| 15 | 26 00 00 - ELECTRICAL | 1 | LS | \$ 125,126 | \$ 125,126 |
| 16 | 28 00 00 - ELECT. SAFETY & SECURITY | 1 | LS | \$ 10,808 | \$ 10,808 |
| 17 | 31 00 00 - EARTHWORK | 1 | LS | \$ 32,116 | \$ 32,116 |
| 18 | 32 00 00 - EXTERIOR IMPR. | 1 | LS | \$ 33,748 | \$ 33,748 |
| 19 | 33 00 00 - UTILITIES | 1 | LS | \$ 5,308 | \$ 5,308 |
| | Subtotal | | | | |
| | | | | Contingency (20%) | \$ 273,274 |
| | | | | Project Total | \$ 1,639,700 |

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 3, see Page 11

Date: 12/1/2024

Prepared By: NR

| No. | Item | Quantity | Units | Unit Cost | Cost |
|-----|---|----------|-------|----------------------|---------------------|
| 1 | 01 71 00 - MOBLIZATION | 1 | LS | \$ 89,367 | \$ 89,367 |
| 2 | 03 00 00 - CONCRETE | 1 | LS | \$ 185,020 | \$ 185,020 |
| 3 | 04 00 00 - MASONRY | 1 | LS | \$ 108,108 | \$ 108,108 |
| 4 | 05 00 00 - METALS | 1 | LS | \$ 125,257 | \$ 125,257 |
| 5 | 06 00 00 - WOOD, PLASTICS, AND COMPOSITES | 1 | LS | \$ 62,543 | \$ 62,543 |
| 6 | 07 00 00 - THERMAL & MOISTURE | 1 | LS | \$ 57,640 | \$ 57,640 |
| 7 | 08 00 00 - OPENINGS | 1 | LS | \$ 44,935 | \$ 44,935 |
| 8 | 09 00 00 - FINISHES | 1 | LS | \$ 89,526 | \$ 89,526 |
| 9 | 10 00 00 - SPECIALTIES | 1 | LS | \$ 60,220 | \$ 60,220 |
| 10 | 12 00 00 - FURNISHINGS | 1 | LS | \$ 3,465 | \$ 3,465 |
| 11 | 21 00 00 - FIRE SUPPRESSION | 1 | LS | \$ 30,800 | \$ 30,800 |
| 12 | 22 00 00 - PLUMBING | 1 | LS | \$ 84,700 | \$ 84,700 |
| 13 | 23 00 00 - HVAC | 1 | LS | \$ 80,520 | \$ 80,520 |
| 14 | 26 00 00 - ELECTRICAL | 1 | LS | \$ 140,526 | \$ 140,526 |
| 15 | 28 00 00 - ELECT. SAFETY & SECURITY | 1 | LS | \$ 10,808 | \$ 10,808 |
| 16 | 31 00 00 - EARTHWORK | 1 | LS | \$ 33,105 | \$ 33,105 |
| 17 | 32 00 00 - EXTERIOR IMPR. | 1 | LS | \$ 69,077 | \$ 69,077 |
| 18 | 33 00 00 - UTILITIES | 1 | LS | \$ 5,308 | \$ 5,308 |
| | Subtotal | | | | |
| | | | | Contingency (20%) | \$ 256,185 |
| | | | | Project Total | \$ 1,537,200 |

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.