



MAGNA WATER DISTRICT AGENDA
FOR THE
REGULAR BOARD MEETING
10:00 AM
THURSDAY SEPTEMBER 11, 2025

8885 W 3500 S, MAGNA, UT 84044

GENERAL OFFICE BUILDING

(801)250-2118

Fax(801)250-1452

SEPTEMBER 11, 2025
REGULAR BOARD MEETING AGENDA
MAGNA WATER DISTRICT

MEETING DATE: September 11, 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. Public Comment

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

E. Inquire of any conflicts of interests that need to be disclosed to the Board

F. Approval of common consent items

1. Minutes of the regular board meeting held August 14, 2025
2. Expenses for August 4 to August 31, 2025
 - General Expenses: \$1,756,667.21
 - Zions Bank Bond Payment: \$83,530.83

G. Department Reports:

1. General Manager Report
2. Engineering Report
3. Water Operations Report (water production and call out report)
4. Wastewater Operations Report
 - Magna Water Reclamation Facility Operations Report
5. Controller/Clerk Report
 - Compliance Requirements Report
6. HR Manager Report

H. Project Awards & Agreements

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

1. (Trevor) Bowen Collins and Associates task order for the Water Conservation Garden Enhancement Project in the amount of \$27,678.
2. (Trevor) Water Service Line Replacement project award to Tempest Enterprises in the amount of \$512,100.

I. Administrative

Discussion and possible motion to approve the following administrative items:

1. (Trevor) Updates to Magna Water District Standard Details.

For information and discussion only – no action items:

2. New Division of Drinking Water Public Water System Fee
3. Next month's board meeting – October 9, 2025, at 10:00 am

- J. 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, and (3) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205.**
- K. Motion to close the closed meeting and re-open the public board meeting.**
- L. Consider action on any noticed agenda item discussed in closed meeting.**
- M. Other Business**
- N. 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, August 14, 2025, at 10:00 am 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 am.

Trustees Present:

Mick Sudbury, Chairman
Jeff White
Dan Stewart

Management Team Present/Excused:

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

Also Present:

Nathan Bracken, Smith, Hartvigsen PLLC
Nate Rogers, Bowen Collins and Associates
Don Olsen, Epic Engineering
Dan Peay, Magna Resident
Doyle Jenkins
Raphael B Pinna, Stantec Engineers
David R Brickey, Magna City

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

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

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 conflict of interest.

Approval of Common Consent Items:

Minutes of the Public Hearing regarding issuance of water revenue bonds held July 10, 2025

Minutes of the regular board meeting held July 10, 2025

Expenses for July 7 to August 3, 2025:

General Expenses: \$1,563,182.60
Zions Bank Bond Payment: \$83,530.83

A motion was made by Dan Stewart, seconded by Jeff White, to approve the minutes of the public hearing regarding issuance of water revenue bonds, minutes of the regular board meeting held July 10, 2025, the general expenses from July 7 to August 3, 2025, and the Zions Bank Bond payment in the amount of \$1,563,182.60 and \$83,530.83; respectively. The motion was approved as follows: Dan Stewart, yea, Mick Sudbury, yea, and Jeff White, yea.

EMPLOYEE RECOGNITION

Office Team: LeIsle wanted to thank the office team for their work. The team received a compliment from a representative from Ivory Homes, how they have had a good experience when working with the office staff.

Operations Team: Steve wanted to recognize his team for a good job for the last couple of months.

Leaks, valve projects, pavement projects and facility maintenance has been a lot, they have been busy.

Gavin Henshaw – Water Distribution II Certification: Gavin Henshaw was recognized for passing his Water Distribution II Certification.

No action was taken, for full discussion please go to board meeting recording beginning at position 2:27 to 5:54.

NEW EMPLOYEE INTRODUCTION

Dalyn Touhuni: Andrew introduced Dalyn Touhuni, will be working on the Water Construction crew. He came with underground and excavation work experience, and is from Magna.

Taylor Warner: Andrew introduced Taylor Warner, will be working on the Water Construction crew, from Magna. Came to the District with chemical work.

No action was taken, for full discussion, please go to board meeting recording beginning at position 5:55 to 7:10.

DEPARTMENT REPORTS

General Manager Report: Clint highlighted the following:

Staffing: A position is open on the wastewater collections crew. Posted in house – no interests, now posted outside. Have some candidates that will be interviewed. Engineering staff position is still on hold.

Operations – Water: The construction crew had 15 leaks in June and 15 till July 21, 2025. A few more have come in after that. Not unusual, but keeps staff busy. Cause of these seem to be the older poly piping in the District installed when the specifications were different, the piping was installed in rock. The rock rubs along the pipe and puts holes in the pipe.

Operations – Wastewater: Dallas has been working on updating the District's Risk Management Plan that is due every 5 years, identifying hazards and risks at the wastewater treatment plant.

Office: Trevor has completed the on-site storm water site inspection. Steve's crew painted the sidewalk at the employee entrance where the step is at the sidewalk. Working on incorporating another 2 AMI gateways for meter reading. Incorporating these will eventually allow the customers to monitor their own usage.

Communication & Morale: 4th of July Parade went well with good feedback. Coordinating with Magna and West Valley City on their Water Elements General Plan. End of summer employee appreciation luncheon will be September 4, 2025 beginning at 11:30 am. The Christmas employee appreciation dinner will be held on December 12, 2025, and the Airport Hilton Garden.

Chairman wanted to make sure if the District has any planned work, to coordinate with the City, in order to prevent tearing up roads more than necessary.

No action was taken, for full discussion please go to the board meeting recording beginning at position 7:41 to 29:16. Please also see the general manager's report inserted in the board meeting packet.

Engineering Report: Trevor has been excused from this meeting. Clint reported on ongoing projects. No action was taken, for full discussion, please go to the board meeting recording beginning at position 29:17 to 33:13. 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 July was 283.50 million gallons or 870.10-acre feet, a 11.81% increase from 2024. YTD production for July was 1,117.60 million gallons or 3,430.02-acre feet, a 11% increase from 2024. We have purchased YTD 465.31-acre feet of water from Jordan Valley Water. The secondary water production for the month of July was 112.05 million gallons or 343.89-acre feet, a 9.97% increase from 2024. YTD as was 281.09 million gallons or 862.70-acre feet, a 13.3% increase from 2024. Steve reported the total number of call outs for water and wastewater departments for July was 22, and total hours paid was 77. Steve also updated the board on the Haynes #7 rehab project, the acid treatment will be finished up this week, then they will start the chlorine shock treatment on Monday, the project should be completed soon. A pre-bid meeting was held last week for the lead and copper line replacement project, bid opening will be the end of August. The SCADA upgrade project is just about complete, Barton wellfield is the only facility left to do, the project is just about complete. No action was taken, for full discussion please go to the board meeting recording beginning at position 33:30 to 43:18. Please also see the water production report inserted in the board meeting packet.

Wastewater Operations Report:

Magna Water Reclamation Facility Operations Report: Dallas reported this was a new document that Clint and he have been working on and will from here on out have it to report at each board meeting. It reports the general health of the plant. Gives a high level overview of some of the key permit limitations the plant is up against. The daily average flow to the plant has been 2.8 – 3.0 gallons per day. The total reuse flow for July was 73.29 mg of reuse water distributed in the secondary water system. The Reuse open house was scheduled for Thursday, September 18, 2025 at 10:00 am. No actions were taken, for full discussion, please go to board meeting recording beginning at position 43:19 to 1:03:00.

Controller Report/Clerk Report:

Compliance Requirements Report: LeIsle reported the District is compliance with legal requirements and internal policies.

2nd Quarter Budget to Actual Financial Report – June 30, 2025: LeIsle reported budget to actual position, reported that the revenue was above budget, non-operating revenue is under budget, operating expenses are under budget, and non-operating expenses are under budget. The District has spent about \$4,000,000 from their reserves on capital projects since January 2025.

No actions were taken, for full discussion, please go to board meeting recording beginning at position 1:03:01 to 1:13:01. Please also see the controller/clerk insert in the board meeting packet.

HR Manager Report:

Andrew reported to the Board the following:

- 5 employees to take OSHA10 training
- 3 employees to take traffic control training course
- Chris to take OSHA30 Training
- Wrapping 3rd quarter review on employee goals

- Hands on training on operating the cement and chain saws.

No action was taken, for full discussion please go to the board meeting recording beginning at position 1:13:02 to 1:17:44.

PROJECT AWARDS & AGREEMENTS

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

JUB Agreement for Professional Services for Preliminary Subdivision of Tank Parcel in the amount of \$9,500: A motion was made by Jeff White, seconded by Dan Stewart, to approve the JUB Agreement for professional services for preliminary subdivision of tank parcel in the amount of \$9,500. The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea, and Dan Stewart, yea. For full discussion please go to board meeting recording beginning at position 1:17:45 to 1:29:17.

Bowen Collins and Associates task order for design and bidding services of the WRF Operations Building in the amount of \$157,593: A motion was made by Jeff White, seconded by Dan Stewart, to approve Bowen Collins and Associates task order for design and bidding services of the WRF Operations Building in the amount of \$157,593. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea. For full discussion please go to board meeting recording beginning at position 1:29:18 to 1:32:30.

Annual purchase of meters for the meter replacement program for the amount not to exceed \$650,000 (budgeted): A motion was made by Jeff White, seconded by Dan Stewart, to approve the annual purchase of meters for the meter replacement program for the amount not to exceed \$650,000 (budgeted). The motion was approved a follows: Mick Sudbury, yea, Jeff White, yea, and Dan Stewart, yea. For full discussion please go to board meeting recording beginning at position 1:32:58 to 1:40:03.

Purchase of over axle trailer from Trailer Source Springville in the amount of \$14,590 (budgeted \$16,000): A motion was made by Jeff White, seconded by Dan Stewart, to approve the purchase of over axle trailer from Trailer Source Springville in the amount of \$14,590 (budgeted \$16,000). The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea and Dan Stewart, yea. For full discussion please go to board meeting recording beginning at position 1:40:04 to 1:41:30.

Purchase of two gateways for AMI meter reading from Meterworks in the amount of \$37,800 (budgeted \$30,000): A motion was made by Jeff White, seconded by Dan Stewart, to approve the purchase of two gateways for AMI meter reading from Meterworks in the amount of \$37,800 (budgeted \$30,000). The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea and Dan Stewart, yea. For full discussion please go to board meeting recording beginning at position 1:41:31 to 1:42:16.

IGES task order for geotechnical services for the WRF Operations Building in the amount not to exceed \$17,500: A motion was made by Jeff White, seconded by Dan Stewart, to approve the IGES task order for geotechnical services for the WRF Operations Building in the amount not to exceed \$17,500. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea. For full discussion please go to board meeting recording beginning at position 1:42:17 to 1:44:14.

Purchase of inflatable trench shoring from Mountainland Supply Company in the amount of \$8,245: A motion was made by Jeff White, seconded by Dan Stewart, to approve the purchase of an inflatable trench shoring from Mountainland Supply Company in the amount of \$8,245. The motion was

approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea. For full discussion please go to board meeting recording beginning at position 1:44:15 to 1:46:32.

ADMINISTRATIVE

Discussion and possible motion to approve the following administrative items:

For information and discussion only – no action items:

Next month's board meeting – September 11, 2025 at 10:00 am

Training & Safety

Discussion and possible motion to approve the following training & safety items:

Approval to attend the following conferences:

- APWA Fall Conference, Sandy, UT September 23 & 24, 2025
- Intermountain Section AWWA Annual Conference, Vernal, UT Sept 30 – Oct 2, 2025
- Caselle Annual Conference, Salt Lake City, UT October 7 & 8, 2025
- RWAU Cross Connection Control, Kanarraville, UT October 16, 2025
- UASD Annual Conference, Layton, UT November 5 – 7, 2025
- WEAU Midyear Conference, West Valley, UT November 18, 2025

A motion was made by Jeff White, seconded by Dan Stewart, to approve attendance to the above listed conferences. The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea, and Dan Stewart, yea. For full discussion please go to board meeting recording beginning at position 1:47:10 to 1:50:19.

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, and (3) 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) collective bargaining purposes pursuant to Utah Code Ann. §§52-4-204 through 205. The motion was seconded by Dan Stewart, and approved as follows: Dan Stewart, yea, Mick Sudbury, yea, and Jeff White, yea at 11:51 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 12:37 pm. The motion was seconded by Dan Stewart and approved as follows: Dan Stewart, yea, Mick Sudbury, yea, and Jeff White, yea.

Consider action on any noticed agenda item discussed in closed meeting:

Approval of Memorandum of Understanding with Teamsters Local 222: A motion was made by Jeff White, seconded by Dan Stewart, to approve the Memorandum of Understanding with Teamsters Local 222, regarding classifications in the union contract. It will remove the Office Clerical, Accounts Payable

Clerk, Accountant/Clerical Team Lead, and Staff Engineer classifications and add Cash Receipting Clerk, Accounts Receivable Clerk, and Customer Service Coordinator/Accounts Payable Clerk. The motion was approved as follows: Mick Sudbury, yea, Dan Stewart, yea and Jeff White, yea. For full discussion please go to board meeting recording beginning at position 1:51:26 to 1:53:03.

Other Business: None

Adjourn: Having no further business to discuss, a motion was made by Dan Stewart, seconded by Jeff White, to adjourn the meeting at 12:40 pm. The motion was approved as follows: Dan Stewart, yea, Mick Sudbury, yea, and Jeff White, yea.

Attest

Chairperson

INVOICE PAYMENTS

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
08/04/2025 to 08/31/2025**

Check Issue Date	Payee	Amount	Description
8/4/2025	DEPT OF GOVERNMENT OPER	5,578.45	FUEL FOR VEHICLES
8/4/2025	GRAINGER	66.24	STREAMLIGH BATTERY
8/4/2025	GRAINGER	413.50	BENCH GRINDER
8/4/2025	RICOH USA , INC	196.69	ADMIN OFFICE COPIER TONER
8/5/2025	MID ATLANTIC TRUST COMPANY	2,972.79	401(K)
8/5/2025	REGENCE BCBS OF UTAH	21,723.08	INSURANCE
8/5/2025	STAPLES BUSINESS CREDIT	56.47	OFFICE SUPPLIES- SHOP
8/5/2025	STAPLES BUSINESS CREDIT	431.16	UPS BATTERY BACK UPS- EDR
8/5/2025	STAPLES BUSINESS CREDIT	91.87	OFFICE SUPPLIES- SHOP
8/5/2025	STAPLES BUSINESS CREDIT	102.78	OFFICE SUPPLIES- WWTP
8/5/2025	STAPLES BUSINESS CREDIT	116.95	OFFICE SUPPLIES- EDR
8/5/2025	STAPLES BUSINESS CREDIT	20.58	OFFICE SUPPLIES- WWTP
8/5/2025	STAPLES BUSINESS CREDIT	346.54	OFFICE SUPPLIES- OFFICE
8/5/2025	STAPLES BUSINESS CREDIT	16.99	OFFICE SUPPLIES- OFFICE
8/5/2025	STAPLES BUSINESS CREDIT	7.23	OFFICE SUPPLIES- OFFICE
8/5/2025	VESTIS	77.21	SHOP UNIFORMS
8/5/2025	VESTIS	67.25	EDR UNIFORMS
8/5/2025	VESTIS	27.12	EDR MATS
8/5/2025	VESTIS	112.06	ADMIN OFFICE MATS & SUPPLIES
8/5/2025	VESTIS	77.21	SHOP UNIFORMS
8/5/2025	VESTIS	244.45	WWTP UNIFORMS
8/5/2025	VESTIS	67.45	EDR UNIFORMS
8/5/2025	VESTIS	27.12	EDR MATS
8/5/2025	VESTIS	112.06	ADMIN OFFICE MATS & SUPPLIES
8/5/2025	VESTIS	244.45	WWTP UNIFORMS
8/5/2025	VESTIS	67.45	EDR UNIFORMS
8/5/2025	VESTIS	27.12	EDR MATS
8/5/2025	VESTIS	112.06	ADMIN OFFICE MATS & SUPPLIES
8/5/2025	VESTIS	77.21	SHOP UNIFORMS
8/5/2025	VESTIS	244.62	WWTP UNIFORMS
8/5/2025	VESTIS	68.25	EDR UNIFORMS
8/5/2025	VESTIS	27.12	EDR MATS
8/5/2025	VESTIS	112.06	ADMIN OFFICE MATS & SUPPLIES
8/5/2025	VESTIS	77.21	SHOP UNIFORMS
8/5/2025	VESTIS	246.88	WWTP UNIFORMS
8/5/2025	VESTIS	67.05	EDR UNIFORMS
8/5/2025	VESTIS	27.12	EDR MATS
8/5/2025	VESTIS	112.06	ADMIN OFFICE MATS & SUPPLIES
8/5/2025	VESTIS	77.21	SHOP UNIFORMS
8/5/2025	VESTIS	244.10	WWTP UNIFORMS
8/6/2025	AQS ENVIRONMENTAL SCIENCE	2,000.00	SEWER CHEMIST CONSULTANT
8/6/2025	BD BUSH EXCAVATION	294,799.25	MAGNA WESTSIDE COLLECTION PROJECT
8/6/2025	BD BUSH EXCAVATION	156,020.88	MAGNA WESTSIDE COLLECTION PROJECT
8/6/2025	CHEMTECH-FORD, LLC	153.00	WWTP LAB & TESTING
8/6/2025	CHEMTECH-FORD, LLC	338.00	WWTP LAB & TESTING
8/6/2025	CHEMTECH-FORD, LLC	454.00	WWTP LAB & TESTING
8/6/2025	CHEMTECH-FORD, LLC	338.00	WWTP LAB & TESTING
8/6/2025	CHEMTECH-FORD, LLC	600.00	WATER LAB & TESTING
8/6/2025	E.T. TECHNOLOGIES, INC	1,739.75	SLUDGE REMOVAL
8/6/2025	E.T. TECHNOLOGIES, INC	1,504.15	SLUDGE REMOVAL
8/6/2025	E.T. TECHNOLOGIES, INC	1,428.14	SLUDGE REMOVAL
8/6/2025	ECKLES PAVING	36,450.00	ASPHALT PATCHING
8/6/2025	FERGUSON WATERWORKS #1616	139.44	POLY BEVELERS
8/6/2025	HENSHAW, GAVIN	339.00	EXAM REIMBURSEMENT & BONUS
8/6/2025	KENWORTH SALES CO., INC	283.95	OUTER CRANK- #70
8/6/2025	LEVERAGE IT SOLUTIONS	2,889.78	LICENSING ON SERVERS
8/6/2025	LEVERAGE IT SOLUTIONS	4,518.95	STANDARD SUPPORT -JULY 2025
8/6/2025	LOWE'S	162.83	MISC SUPPLIES- SHOP
8/6/2025	LOWE'S	156.49	MISC SUPPLIES-SHOP
8/6/2025	LOWE'S	434.29	MISC SUPPLIES- #31
8/6/2025	LOWE'S	209.22	MISC SUPPLIES- WWTP
8/6/2025	LOWE'S	209.22	MISC SUPPLIES- WWTP
8/6/2025	MADDOX AIR COMPRESSOR, INC	439.79	DUST COLLECTOR- SHOP
8/6/2025	MARSHALL'S INDUSTRIAL HARDWARE, LLC	58.43	PINS- TRENCH BOX
8/6/2025	MECHANICAL SERVICE & SYSTEMS, INC.	13,250.00	AC UNIT- WRF
8/6/2025	MORGAN ASPHALT	780.00	ASHPHALT FOR REPAIRS
8/6/2025	ROCKY MT WIRE ROPE	932.54	CABLE LINE PULLERS
8/6/2025	RULON HARPER CONSTRUCTION, INC	378.00	GRAVEL & ROADBASE FOR REPAIRS
8/6/2025	RULON HARPER CONSTRUCTION, INC	1,303.66	GRAVEL & ROADBASE FOR REPAIRS
8/6/2025	THATCHER COMPANY	10,470.72	CHEMICALS

MAGNA WATER DISTRICT
INVOICE PAYMENTS
08/04/2025 to 08/31/2025

Check Issue Date	Payee	Amount	Description
8/6/2025	THATCHER COMPANY	8,509.75	CHEMICALS
8/6/2025	THATCHER COMPANY	(350.00)	CHEMICALS
8/6/2025	THATCHER COMPANY	(4,876.00)	CHEMICALS
8/6/2025	THE SALT LAKE TRIBUNE	357.80	ADVERTISEMENT FOR BIDS
8/6/2025	TOTAL POWER & CONTROLS, LLC	138.00	TROUBLESHOOTING- STEP SCREENS EAST HEADWORKS- WWTP
8/6/2025	TRUGREEN COMMERCIAL	193.75	LAWN & TREE MAINTENANCE- WWTP
8/6/2025	VANGUARD CLEANING SYSTEMS	650.00	CLEANING - ADMIN OFFICE
8/6/2025	VANGUARD CLEANING SYSTEMS	350.00	CLEANING - WWTP
8/6/2025	VANGUARD CLEANING SYSTEMS	542.00	CLEANING - EDR
8/6/2025	WACO	6,470.51	CARTRIDGE FILTERS- EDR
8/6/2025	WELLS FARGO	93.00	SAFE DEPOSIT BOX RENEWAL
8/6/2025	ZIONS BANK PUBLIC FINANCIAL SVS	62,942.95	COMMERCIAL LOAN PAYMENT
8/10/2025	ADOBE	167.49	ADOBE STANDARD-OFFICE
8/10/2025	AIRGAS	78.00	ARGON RENTAL CYLINDER
8/10/2025	AIRGAS	78.00	ARGON RENTAL CYLINDER
8/10/2025	AIRGAS	6.00	ACETYLENE & OXYGEN RENTAL CYLINDERS
8/10/2025	AIRGAS	6.00	ACETYLENE & OXYGEN RENTAL CYLINDERS
8/10/2025	ANSERFONE	300.00	24 HR PHONE SERVICE
8/10/2025	APA BENEFITS	70.00	PARTICIPANT FEE- 2ND QTR
8/10/2025	APA BENEFITS	2,000.00	2024 DB VALUATION
8/10/2025	BANKCARD	(20.17)	RETURN SAMPLE SHIRT
8/10/2025	BANKCARD	5.15	EMPLOYEE ACTIVITY
8/10/2025	BANKCARD	20.17	EMPLOYEE SAMPLE SHIRT
8/10/2025	BANKCARD	23.66	EMPLOYEE APPRECIATION
8/10/2025	BANKCARD	90.06	GLOVES - CONSTRUCTION CREW
8/10/2025	BANKCARD	299.00	SHRM MEMBERSHIP
8/10/2025	BANKCARD	194.16	QUALITY APPLIANCE SERVICE - REPAIR AT WWTP
8/10/2025	BLUELINE SERVICES	199.25	RANDOM DRUG & ALCOHOL TESTING
8/10/2025	CASELLE	2,500.00	MONTHLY CONTRACT SUPPORT
8/10/2025	BANKCARD	331.35	BOARD MEETING LUNCH
8/10/2025	ORKIN	1,392.00	PEST CONTROL - ADMIN OFFICE
8/10/2025	ORKIN	1,392.00	PEST CONTROL - SHOP
8/10/2025	REPUBLIC SERVICES	2,056.48	GARBAGE COLLECTION- WWTP
8/10/2025	REPUBLIC SERVICES	527.90	GARBAGE COLLECTION- SHOP
8/10/2025	BANKCARD	715.00	RWI TIER 4 ANNUAL SUBSCRIPTION
8/10/2025	SHRED-IT	85.26	DOCUMENT SHREDDING
8/10/2025	SIGN NOW	180.00	ONLINE APPLICATIONS
8/10/2025	SIGN NOW	540.00	ONLINE APPLICATIONS SUBSCRIPTION
8/10/2025	BANKCARD	384.00	SUBSCRIPTION - EQUIP MAINTENANCE SOFTWARE
8/10/2025	UTAH BARRICADE	384.00	BARRICADE RENTAL
8/10/2025	UTAH BROADBAND	1,153.00	BROADBAND & INTERNET SERVICES
8/10/2025	VERIZON WIRELESS	1,554.26	CELLPHONE SERVICES
8/10/2025	VERIZON CONNECT	573.45	MONTHLY GPS
8/10/2025	WEST VALLEY CITY	200.00	RIGHT OF WAY PERMIT
8/10/2025	WEST VALLEY CITY	130.20	STORM WATER EDR
8/10/2025	ZAYO	2,902.34	TELEPHONE & DATA
8/10/2025	ZAYO	3,128.37	TELEPHONE & DATA
8/10/2025	UTAH-IDAHO TEAMSTERS SECURITY FUND	41,836.50	UNION HEALTH & WELFARE
8/10/2025	WESTERN CONF TEAMSTERS PENSION	24,862.64	UNION PENSION CONTRIBUTION
8/12/2025	ADVANCED ENGINEERING & ENVIR. SERVICES	77,292.72	SCADA UPGRADES DESIGN & BIDDING
8/12/2025	ADVANCED ENGINEERING & ENVIR. SERVICES	10,775.00	LEAD & COPPER RULE REVISION SUPPORT
8/12/2025	AIRGAS USA, LLC - CENTRAL DIVISION	85.17	WELDING GLOVES
8/12/2025	AIRGAS USA, LLC - CENTRAL DIVISION	51.66	GRINDING SHIELD
8/12/2025	AIRGAS USA, LLC - CENTRAL DIVISION	367.70	WELDING HELMET
8/12/2025	ALLSTATE	478.27	INSURANCE
8/12/2025	AMAZON CAPITAL SERVICES	284.75	TRIMMER LINE & REPLACMENT HEADS
8/12/2025	AMAZON CAPITAL SERVICES	(138.82)	RETURN OF TRIMMER LINE & REPLACEMENT HEADS
8/12/2025	AMAZON CAPITAL SERVICES	222.12	2 CYCLE OIL FOR EQUIPMENT
8/12/2025	AMAZON CAPITAL SERVICES	117.90	OFFICE SUPPLIES- OFFICE
8/12/2025	AMAZON CAPITAL SERVICES	454.69	FLY TRAPS- WWTP & WEED TREATMENT- SHOP
8/12/2025	ARDURRA	1,448.75	MWD 2025 GIS SERVICES
8/12/2025	BOWEN COLLINS & ASSOCIATES	12,822.00	MWD MASTER PLANNING IMPACT FEE AND RATE STUDIES
8/12/2025	BOWEN COLLINS & ASSOCIATES	13,932.30	MAGNA REUSE PROJECTS
8/12/2025	CINTAS 1ST AID	74.40	EDR CLEANED AND RESTOCKED CABINETS
8/12/2025	CINTAS 1ST AID	193.77	SHOP CABINET CLEANED & RESTOCKED
8/12/2025	CINTAS 1ST AID	138.66	WWTP CABINET CLEANED & RESTOCKED
8/12/2025	CINTAS 1ST AID	78.18	WWTP CABINET CLEANED & RESTOCKED
8/12/2025	CORRIO CONSTRUCTION, INC.	519,832.35	WRF INFLUENT PROJECT
8/12/2025	CRUS OIL INC./QUALCO	32.88	OIL FILTERS - FLEET
8/12/2025	CRUS OIL INC./QUALCO	282.03	HYDRAULIC FILTER & AIR COMPRESSOR OIL

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
08/04/2025 to 08/31/2025**

Check Issue Date	Payee	Amount	Description
8/12/2025	CRUS OIL INC./QUALCO	39.60	OIL FILTER- #31
8/12/2025	EVERGREEN BUSINESS SOLUTIONS	735.97	OFFICE SUPPLIES- OFFICE
8/12/2025	HORROCKS	1,707.00	MWD HAYNES WELL 7 REHABILITATION
8/12/2025	HORROCKS	1,300.00	MWD - HAYNES WELL 8 REPLACEMENT
8/12/2025	IGES, INC.	2,905.90	MAGNA WRF INFLUENT - MATERIALS TESTING
8/12/2025	JENKINS PLUMBING CO	879.22	BACKFLOW DEVICES TEST
8/12/2025	JORDAN VALLEY WATER	32,216.38	WATER DELIVERIES- JULY 2025
8/12/2025	LOWE'S	(14.14)	REFUND OF CHARGED SALES TAX
8/12/2025	LOWE'S	268.30	MISC SUPPLIES- WWTP
8/12/2025	LOWE'S	23.65	MISC SUPPLIES- SHOP
8/12/2025	LOWE'S	156.93	MISC SUPPLIES- WWTP
8/12/2025	LOWE'S	16.63	MISC SUPPLIES- WWTP
8/12/2025	LOWE'S	(209.22)	RETURN OF MISC SUPPLIES- WWTP
8/12/2025	MECHANICAL SERVICE & SYSTEMS, INC.	641.50	QUARTERLY MAINTENANCE - ADMIN BUILDING WWTP
8/12/2025	MOUNTAINLAND SUPPLY COMPANY	1,401.08	STOCK PARTS- SHOP
8/12/2025	MOUNTAINLAND SUPPLY COMPANY	519.87	PARTS FOR SERVICE LINE - CORDERO
8/12/2025	MOUNTAINLAND SUPPLY COMPANY	454.59	PARTS FOR SERVICE LINE - CORDERO
8/12/2025	MOUNTAINLAND SUPPLY COMPANY	1,017.88	AIR VAC- CANAL
8/12/2025	PREMIER TRUCK GROUP	199.99	BATTERY BOX COVER- #74
8/12/2025	PURCHASE POWER	250.00	POSTAGE - POSTAGE METER
8/12/2025	SEBIS DIRECT, INC	1,090.15	PROCESS OF MONTHLY BILLINGS
8/12/2025	SEBIS DIRECT, INC	24,000.00	POSTAGE FOR MONTHLY BILLING
8/12/2025	SKM INC.	1,073.39	SCADA MAINTENANCE- SEWER
8/12/2025	STANTEC CONSULTING SERVICES INC.	16,569.00	MAGNA INFLUENT PROJECT PHASE 3 - ENGINEERING SERVICES
8/12/2025	STANTEC CONSULTING SERVICES INC.	2,583.58	ENGINEERING SERVICES PROJECT 1-B DURING CONSTRUCTION
8/12/2025	THATCHER COMPANY	7,990.05	CHEMICALS
8/12/2025	WESTERN INDUSTRIAL PRODUCTS, INC	858.96	CHLORINE PIGTAILS- WWTP
8/13/2025	A-CORE INC	555.00	CORE DRILLING- POTHOLE- 3100 S 8000 W
8/13/2025	CHEMTECH-FORD, LLC	454.00	WWTP LAB & TESTING
8/13/2025	CHEMTECH-FORD, LLC	628.00	WATER LAB & TESTING
8/13/2025	CHEMTECH-FORD, LLC	338.00	WWTP LAB & TESTING
8/13/2025	CHEMTECH-FORD, LLC	1,470.00	WATER LAB & TESTING - LEAD & COPPER
8/13/2025	CHEMTECH-FORD, LLC	600.00	WATER LAB & TESTING
8/13/2025	IGES, INC.	15,197.50	WESTSIDE COLLECTOR PROJECT 2 DESIGN GEOTECHNICAL INVEST
8/13/2025	MORGAN ASPHALT	538.80	ASHPHALT FOR REPAIRS
8/13/2025	ROCKY MOUNTAIN MEDICAL CLINIC	65.00	DOT PHYSICAL
8/14/2025	E.T. TECHNOLOGIES, INC	778.51	SLUDGE REMOVAL
8/14/2025	HACH COMPANY	3,000.00	SERVICE AGREEMENT- FIELD SERVICE MAINT. & CALIBRATION
8/14/2025	HACH COMPANY	578.88	CHLORINE CL17 BUFFER & INDICATOR REAGENTS
8/15/2025	ENBRIDGE GAS	41.05	GAS 6850 W 2820 S
8/15/2025	ENBRIDGE GAS	20.70	GAS 6026 PARKWAY BLVD
8/15/2025	ENBRIDGE GAS	7.66	GAS 3291 S 8000 W
8/15/2025	ENBRIDGE GAS	23.97	GAS 8931 W 3500 S
8/15/2025	ENBRIDGE GAS	119.59	GAS 7650 W 2100 S
8/15/2025	ENBRIDGE GAS	43.67	GAS 8885 W 3500 S
8/15/2025	IPS	146.88	PAYROLL PROCESSING SERVICES
8/18/2025	ELITE GROUNDS, LLC	1,176.26	LANDSCAPING- OFFICE
8/18/2025	ELITE GROUNDS, LLC	979.08	LANDSCAPING- WWTP
8/18/2025	NAPA AUTO PARTS	89.28	KEY SWITCH-#44
8/18/2025	OSINC, INC	534.98	BOOT VOUCHER
8/19/2025	HUBER TECHNOLOGY	4,003.64	STEP SCREEN MOTOR- WWTP
8/19/2025	MID ATLANTIC TRUST COMPANY	2,972.79	401(K)
8/19/2025	ROCKY MOUNTAIN POWER CO.,	4,468.15	POWER BOOSTER STATION
8/19/2025	ROCKY MOUNTAIN POWER CO.,	71,219.32	POWER BARTON WELLS
8/19/2025	ROCKY MOUNTAIN POWER CO.,	6,051.38	POWER HAYNES WELL
8/19/2025	SAFETY-KLEEN SYSTEMS, INC.	454.52	WASHER SOLVENT
8/20/2025	LOUMIS CDL TESTING	1,575.00	CDL TESTING
8/20/2025	ROCKY MOUNTAIN POWER CO.,	100.70	POWER 3500 TANKS
8/20/2025	ROCKY MOUNTAIN POWER CO.,	20.80	POWER BACCHUS TANKS
8/20/2025	ROCKY MOUNTAIN POWER CO.,	2,376.43	POWER SECONDARY RES PUMP
8/20/2025	ROCKY MOUNTAIN POWER CO.,	9,282.83	POWER ADMIN OFFICE
8/20/2025	ROCKY MOUNTAIN POWER CO.,	576.27	POWER CEMENT BLDG SHOP
8/20/2025	ROCKY MOUNTAIN POWER CO.,	5,397.68	POWER 7600 RESERVOIR
8/20/2025	ROCKY MOUNTAIN POWER CO.,	12.59	POWER JORDAN VALLEY
8/21/2025	BLUE STAKES OF UTAH 811	532.66	BILLABLE & NON E-MAIL NOTIFICATIONS
8/21/2025	BOLT & NUT SUPPLY CO.	50.86	PULLER- FINE SCREEN GEARBOX- WWTP
8/21/2025	CHEMTECH-FORD, LLC	710.00	WWTP LAB & TESTING
8/21/2025	CHEMTECH-FORD, LLC	338.00	WWTP LAB & TESTING
8/21/2025	CHEMTECH-FORD, LLC	501.00	WWTP LAB & TESTING
8/21/2025	I-D ELECTRIC COMPANY	132,574.49	MAGNA SCADA UPGRADE

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
08/04/2025 to 08/31/2025**

Check Issue Date	Payee	Amount	Description
8/21/2025	ROCKY MOUNTAIN POWER CO.,	1,835.26	POWER SHALLOW WELLS
8/21/2025	WORKERS COMPENSATION FUND OF U	1,461.75	WCF INSURANCE-AUGUST 2025
8/25/2025	E.T. TECHNOLOGIES, INC	2,240.39	SLUDGE REMOVAL
8/25/2025	E.T. TECHNOLOGIES, INC	1,137.69	SLUDGE REMOVAL
8/25/2025	E.T. TECHNOLOGIES, INC	1,936.33	SLUDGE REMOVAL
8/25/2025	E.T. TECHNOLOGIES, INC	737.23	SLUDGE REMOVAL
8/25/2025	E.T. TECHNOLOGIES, INC	1,709.31	SLUDGE REMOVAL
8/27/2025	RICOH USA , INC	261.27	EDR COPIER MAINTENANCE CONTRACTS
8/27/2025	RICOH USA , INC	168.59	COPIER ADMINISTRATIVE OFFICE
8/27/2025	SMITH HARTVIGSEN, PLLC	3,508.50	GENERAL LEGAL MATTERS
8/27/2025	SMITH HARTVIGSEN, PLLC	332.00	EMPLOYMENT LAW & OTHER CONFIDENTIAL MATTER
8/27/2025	UTAH BARRICADE COMPANY	296.25	TRAFFIC CONTROL- POTHOLES- 3100 S 8000 W
		\$ 1,756,667.21	

VENDOR NAME	AMOUNT	YTD Totals
A-CORE INC	555.00	555.00
ADOBE	167.49	682.03
ADVANCED ENGINEERING & ENVIR. SERVICES	88,067.72	309,161.78
AIRGAS USA, LLC - CENTRAL DIVISION	672.53	8,813.17
ALLSTATE	478.27	3,826.16
AMAZON CAPITAL SERVICES	940.64	6,992.06
ANSERFONE	300.00	2,350.00
APA BENEFITS	2,070.00	3,460.00
AQS ENVIRONMENTAL SCIENCE	2,000.00	16,000.00
ARDURRA	1,448.75	43,870.00
BANKCARD	2,042.38	2,042.38
BD BUSH EXCAVATION	450,820.13	2,193,056.01
BLUE STAKES OF UTAH 811	532.66	4,013.26
BLUELINE SERVICES	199.25	2,138.08
BOLT & NUT SUPPLY CO.	50.86	81.94
BOWEN COLLINS & ASSOCIATES	26,754.30	215,460.23
CASELLE	2,500.00	17,344.00
CHEMTECH-FORD, LLC	6,922.00	54,205.00
CINTAS 1ST AID	485.01	3,309.84
CORRIO CONSTRUCTION, INC.	519,832.35	3,937,090.61
CRUS OIL INC./QUALCO	354.51	1,374.27
DEPT OF GOVERNMENT OPER	5,578.45	35,602.13
E.T. TECHNOLOGIES, INC	13,211.50	114,439.97
ECKLES PAVING	36,450.00	36,450.00
ELITE GROUNDS, LLC	2,155.34	14,352.79
ENBRIDGE GAS	256.64	65,304.34
EVERGREEN BUSINESS SOLUTIONS	735.97	1,118.61
FERGUSON WATERWORKS #1616	139.44	33,831.46
GRAINGER	479.74	10,270.26
HACH COMPANY	3,578.88	8,683.23
HENSHAW, GAVIN	339.00	1,200.40
HORROCKS	3,007.00	41,132.17
HUBER TECHNOLOGY	4,003.64	17,199.54
I-D ELECTRIC COMPANY	132,574.49	395,041.00
IGES, INC.	18,103.40	39,585.19
IPS	146.88	1,447.43
JENKINS PLUMBING CO	879.22	879.22
JORDAN VALLEY WATER	32,216.38	246,814.42
KENWORTH SALES CO , INC.-SALT LAKE CITY	283.95	562.86

VENDOR NAME	AMOUNT	YTD Totals
LEVERAGE IT SOLUTIONS	7,408.73	37,013.70
LOUMIS CDL TESTING	1,575.00	1,873.00
LOWE'S	1,414.20	6,560.22
MADDOX AIR COMPRESSOR, INC	439.79	439.79
MARSHALL'S INDUSTRIAL HARDWARE, LLC	58.43	58.43
MECHANICAL SERVICE & SYSTEMS, INC.	13,891.50	41,768.33
MID ATLANTIC TRUST COMPANY	5,945.58	225,366.02
MORGAN ASPHALT	1,318.80	5,428.74
MOUNTAINLAND SUPPLY COMPANY	3,393.42	89,777.77
NAPA AUTO PARTS	89.28	89.28
ORKIN	2,784.00	4,538.10
OSINC, INC	534.98	3,191.81
PREMIER TRUCK GROUP	199.99	1,106.98
PURCHASE POWER	250.00	1,900.61
REGENCE BCBS OF UTAH	21,723.08	130,165.50
REPUBLIC SERVICES	2,584.38	20,934.89
RICOH USA , INC	626.55	2,631.32
ROCKY MOUNTAIN MEDICAL CLINIC	65.00	4,241.00
ROCKY MOUNTAIN POWER CO.,	101,341.41	686,523.61
ROCKY MT WIRE ROPE	932.54	932.54
RULON HARPER CONSTRUCTION, INC	1,681.66	5,116.40
SAFETY-KLEEN SYSTEMS, INC.	454.52	1,756.73
SEBIS DIRECT, INC	25,090.15	65,421.02
SHRED-IT	85.26	659.43
SIGN NOW	720.00	1,665.00
SKM INC.	1,073.39	30,827.35
SMITH HARTVIGSEN, PLLC	3,840.50	28,936.50
STANTEC CONSULTING SERVICES INC.	19,152.58	217,066.11
STAPLES BUSINESS CREDIT	1,190.57	2,408.89
THATCHER COMPANY	21,744.52	224,808.93
THE SALT LAKE TRIBUNE	357.80	1,682.40
TOTAL POWER & CONTROLS, LLC	138.00	10,779.03
TRUGREEN COMMERCIAL	193.75	581.25
UTAH BARRICADE COMPANY	680.25	6,766.85
UTAH BROADBAND	1,153.00	9,224.00
UTAH-IDAHO TEAMSTERS SECURITY FUND	41,836.50	334,692.00
VANGUARD CLEANING SYSTEMS	1,542.00	12,336.00
VERIZON CONNECT	573.45	5,423.97
VERIZON WIRELESS	1,554.26	4,181.29

VENDOR NAME	AMOUNT	YTD Totals
VESTIS	2,643.90	22,029.07
WACO	6,470.51	12,802.57
WELLS FARGO	93.00	93.00
WEST VALLEY CITY	330.20	5,803.60
WESTERN CONF TEAMSTERS PENSION	24,862.64	223,001.83
WESTERN INDUSTRIAL PRODUCTS, INC	858.96	858.96
WORKERS COMPENSATION FUND OF U	1,461.75	17,466.50
ZAYO	6,030.71	27,053.33
ZIONS BANK PUBLIC FINANCIAL SVS	62,942.95	128,385.89
TOTALS	1,756,667.21	10,556,110.38

MAGNA WATER DISTRICT ZIONS BANK BOND PAYMENT 08/04/2025-08/31/2025			
Check Issue Date	Payee	Amount	Description
8/6/2025	ZIONS FIRST NATIONAL BANK	83530.83	5436869-BOND SER 2013
		\$ 83,530.83	

GENERAL MANAGER REPORT



MEMO

TO: MWD Board of Directors

FROM: Clint Dilley, P.E., General Manager

DATE: 09/03/25 (September 11th 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

- Wastewater Collections
 - Interviews for collections crew ongoing
- Engineering
 - Staff Engineer Position on hold

OPERATIONS

- Water Operations
 - Construction crew completed new mainline valve on 3100 South
 - Meter crew completed lead and copper sample coordination with participating customers
 - All fluoride disposed of and facilities cleaned. Will begin demo and removal next
 - All SCADA installs completed. Will finalize spot checks and operational testing next
- WWTP Operations
 - RMP completed a power loop along 2100 South which will improve reliability of power service at WWTP
 - DWQ complete permit compliance review at WWTP
 - WW OM able to get a storm water permit exemption at WWTP
- Office
 - GM attended town hall at DDW office on new fee that DDW will be charging to all public water systems

- Water OM getting bids for office cleaning
- Controller to coordinate demo for Managers on Neptune's My 360 AMI customer account portal
- Delinquent accounts
 - July 2025
 - Accounts that are delinquent: 499
 - Total of all delinquent accounts: \$178,402.56
 - Average delinquent account balance: \$357.52
 - Pink notices sent out = 384
 - Pink notices were 71% effective
 - Red notices were 95% effective as of 7/30/25
 - June 2025
 - Accounts that are delinquent: 220
 - Total of all delinquent accounts: \$38,569.45
 - Average delinquent account balance: \$175.31
 - Pink notices sent out = 260
 - Pink notices were 52% effective
 - Red notices were 97% effective as of 6/23/25
 - May 2025
 - Accounts that are delinquent: 781
 - Total of all delinquent accounts: \$105,686.25
 - Average delinquent account balance: \$135.32
 - Pink notices sent out = 279
 - Pink notices were 62% effective
 - Red notices were 94% effective as of 5/30/25

COMMUNICATION & MORALE

- Continue working toward improving communication w/ board members & community partners
 - Reuse Open House tour scheduled for Thursday, September 18th at 10 am
 - Several meetings with Magna City, MSD & DR Horton on 4100 South road
 - Director of Parks approached GM about MWD providing water service to Great Salt Lake Marina
- Work to improve communication & morale with employees
 - End of summer lunch for employees on September 4th
- Work to improve communication with customers
 - Thorough and prompt response to customer concerns and complaints
 - Question on white spots on plants from secondary water

ENGINEERING REPORT

Engineering Report (Updated 09/03/25)

Capital and General Engineering Projects

- **8800 West Water line Project**
 - Postponed till later date
- **7200 W and 3100 S Secondary Water Project**
 - Completed potholes needed to finish design
- **Influent Pump Station**
 - Processing submittals and RFI's
 - **Grit Building Block complete, start roof.**
 - **Pump Station: Concrete pour for walls complete, remove forms and backfill over next several weeks.**
 - **Continuing site piping, manholes and connection to east head works**
- **WWTP Facility Plan Update**
 - **Present WWTP Master Plan in October Meeting**
- **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
 - Resubmitted work plan and CatEx for final approval
 - **EPA understaffed but working on review of documents**
 - Anticipate starting application soon
- **Haynes Well #7 Rehabilitation**
 - **Completed acid treatment and chlorine treatment.**
 - **Continue to swap and develop well, removing sand.**
- **West Side Collection Phase 1B Project**
 - Have start location for relocation of fiber. Working on drawings and with UDOT to find an approved contractor.
- **West Side Collection Phase 2 Project**
 - **60% Design complete, moving towards 90% design**
- **Solids Handling Building Expansion**
 - Plan review in progress
- **Change House**
 - **Had kickoff meeting.**
 - **Working on layout and scheduling meeting with architects**
- **Zone 3 Secondary Water Reservoir**
 - **Held pre-construction meeting**
 - **Reviewing submittals**
 - **Construction fall with completion before the 2026 irrigation season**
- **Lead and Copper Service Line Replacement**
 - **Bidding complete**
 - **Finalizing loan with State**
- **Railroad Parcel**
 - Hold property

WATER OPERATIONS REPORT

Water Production Report & Callout Report

August 2025

Water Production Summary

The culinary water production for the month of August was 255.08 million gallons or 782.89-acre feet, a 7.35% increase from 2024. YTD production for August was 1,372.68 million gallons or 4,212.91-acre feet, a 10.35% increase from 2024.

We have purchased YTD 532.32-acre feet of water from Jordan Valley Water.

The secondary water production for the month of August was 101.23 million gallons or 310.71-acre feet, a 7.09% increase from 2024. YTD as was 382.32 million gallons or 1,173.41-acre feet, a 11.65% increase from 2024.

Callout Report – Water and Wastewater Combined

Total number of call outs - 39
Water – 37
Wastewater – 2

Total Hours for call outs – 145.5
Water – 133.5
Wastewater – 12

Mainline Leak – 2
Service Line Leaks – 8
Miscellaneous - 29

Summary Of Water Deliveries
MAGNA WATER DISTRICT
System # 18014
Aug-25

Source	Month's Deliveries (AF)		Change %	Current Month's Gall	Deliveries YTD (AF)		Change %	YTD Gallons
CULINARY WATER	2025	2024			2025	2024		
Well Sources Barton and Haynes	209.31	751.68			4,205.95	3,768.65		
To Waste	88.04	93.64			464.38	443.74		
Total Finished Blend EDR	715.88	657.04			3,680.59	3,240.18		
JVWCD Magna Reading	66.68	67.27			526.74	531.29		
JVWCD	67.01	68.28			532.32	536.81		
Total Culinary Water	782.89	725.32	7.35%	255,087,483	4,212.91	3,776.99	10.35%	1,372,684,039
SECONDARY WATER								
Irrigation Well #1	20.45	42.67			21.34	168.71		
Irrigation Well #2	28.86	-			98.45	59.79		
Irrigation Well #3	6.88	8.16			17.24	17.11		
High Zone (secondary)	90.11	78.59			327.80	272.43		
Low Zone (secondary)	0.05	159.26			4.40	518.71		
WWTP Reuse (secondary)	164.36	-			704.18	-		
Total Secondary Water	310.71	288.68	7.09%	101,238,329	1,173.41	1,036.75	11.65%	382,329,833
Total Production of Water	1,093.60	1,014.00	7.28%	356,325,501	5,386.32	4,813.74	11%	1,755,013,873

*** EDR Blend + Total Secondary + JVWCD = Total Production**

AUGUST CALL OUTS

Dept.	Employee	Date	Hours	Description
WATER	GAVIN HENSHAW	8/1/2025	3	COLD SIDE SECONDARY LEAK- HERITAGE APT
			3	NO WATER- 7205 W LARA LEIGH LN; HOT SIDE SERVICE LEAK- 8094 W FAUST CIR, FIXED
WATER	GENE STOTT	8/3/2025	3	COLD SIDE LEAK- 3833 S CLOUD PEAK DR, UNDER DRIVEWAY
		8/4/2025	3	COLD SIDE LEAK- 6564 W KETCHUM DR
		8/1/2025	3	HOT SIDE SERVICE LEAK- 8094 W FAUST CIR
		8/18/2025	3	HOT SIDE SERVICE LEAK- 7795 W CONGER RD
		8/22/2025	3	UDOT CALLED ABOUT SINKHOLE- STORMDRAIN
			3	SERVICE LEAK- 3432 S PATRICK DR; SERVICE LEAK- 8358 W CLARRY CIR
WATER	TAYLOR WARNER	8/26/2025	3	NO WATER, HOMEOWNERS SIDE- 2859 S 8560 W
		8/27/2025	3	HOT SIDE SERVICE LEAK- 2909 S 7785 W
EDR	JON DAVIS	8/1/2025	3	HOT SIDE SERVICE LEAK- 8094 W FAUST CIR
		8/4/2025	3	UNIT 2 & 3 CONCENTRATE PUMP, RESTART UNITS
EDR	ED TUCKER	8/14/2025	3	POWER OUTAGE- RESTART PLANT
		8/16/2025	3	FEED TANK LOW-RESET BYPASS VALVE
		8/17/2025	3	UNIT 4 FAILURE ALARM- START UNIT 1
		8/20/2025	3	FEED TANK LOW-RESET BYPASS VALVE
		8/4/2025	3	POWER FAILURE- SCADA ALARMS
		8/9/2025	3	MAINLINE LEAK- 3827 S CLOUD PEAK
		8/31/2025	3	UPS DIED, BYPASSED UPS. POWER SUPPLY FAILED- CHEMICAL ROOM, REPLACED POWER SUPPLY.
SEWER	SCOTT BECK	8/6/2025	3	CHOPPER PUMP FAIL
SEWER	CHET DRAPER	8/6/2025	3	CHOPPER PUMP FAIL
WATER	MICHAEL HARMS	8/15/2025	3	PROX SWITCH FAIL ON SCREW PRESS
		8/7/2025	3	SERVICE LEAK- 3181 S 7780 W
		8/8/2025	3	SPRINKLERS RUNNING FOR 2 DAYS AT NEW HIGH SCHOOL
			4	MAINLINE LEAK- 3191 S 7780 W
		8/9/2025	3	COLD SIDE LEAK IN YARD- 7211 W ADAMS RD, TURNED OFF WATER
			3	MAINLINE LEAK- 3827 S CLOUD PEAK
		8/12/2025	3	NO WATER IN HOME, A LOT OF WATER IN ROAD- 7648 W MOUNT ELINOR
WATER	QUINTON GORRINGE	8/8/2025	3	COLD SIDE SECONDARY LEAK- 7876 W THOREAU DR
WATER	JUSTIN LONG	8/8/2025	3	MAINLINE LEAK- 3191 S 7780 W
WATER	MATT SKOGERBOE	8/8/2025	3	MAINLINE LEAK- 3191 S 7780 W
SEWER	DYLLAN DELOBEL	8/15/2025	3	PROX SWITCH FAIL ON SCREW PRESS
WATER	CONNOR MCREYNOLDS	8/14/2025	3	WATER SHUT OFF- 3225 S MADISON DR; COLD SIDE LEAK- 7340 W MAJESTIC
WATER	MATT HUNTER	8/29/2025	3	SETTER LEAKING- 8548 W ZAMORA DR BLDG 11
			3	COLD SIDE LEAK- 3558 S WING POINT DR
			3	HOT SIDE SERVICE LEAK- 3261 S MADISON CIR
			3	COLD SIDE LEAK- 2630 S 8900 W
			3	COLD SIDE LEAK- 2921 S 8650 W
			3	SECONDARY COLD SIDE LEAK- 2646 S ZIRCONIUM WY
			3	HOT SIDE SERVICE LEAK- 3422 S PATRICK DR
			3.5	HOT SIDE SERVICE LEAK- 8671 W MESQUITE CIR; WATER RUNNING ACROSS ROAD- CEMETARY RD
		8/30/2025	3	CUSTOMER HAS NO WATER- 3543 S WING POINT DR
			3	COLD SIDE LEAK- 3607 S CANDIS DR
			3	SINKHOLE IN YARD- 3370 S CATALINA VIEW
			3	CUSTOMER NEEDED WATER SHUT OFF- 3706 S COPPER HOLLOW DR
		8/31/2025	3	PINHOLE LEAK ON SETTER- 8866 W HELEN DR; COLDSIDE SERVICE LEAK- 2528 S 8000 W
			3	WATER RUNNING OUT OF STORM DRAIN- 8400 W LOVE RIDGE
Total Callout Hours			145.5	
Total Callouts			39	
Total Water/EDR Hours			133.5	

Total # of Water Callouts	37
Total WWTP Hours	12
Total WWTP Callouts	2

LEAKS

Date	Address	Hours	Mainline/Service
8/1/2025	8094 W FAUST CIR	9	SERVICE
8/8/2025	3191 S 7780 W	13	MAINLINE
8/9/2025	3827 S CLOUD PEAK	6	MAINLINE
8/14/2025	3261 S MADISON CIR	3	SERVICE
8/18/2025	7795 W CONGER RD	3	SERVICE
8/22/2025	3432 S PATRICK DR	3	SERVICE
8/22/2025	8358 W CLARRY CIR	3	SERVICE
8/27/2025	2909 S 7785 W	3	SERVICE
8/29/2025	3422 S PATRICK	3	SERVICE
8/29/2025	8671 W MESQUITE CIR	3	SERVICE
TOTAL		49	

WASTEWATER OPERATIONS REPORT

Magna WRF Operations Report: August 2025

Overview:

The Water Reclamation Facility (WRF) has continued steady and reliable operations this month. Average daily flows remained close to 3 million gallons per day, providing stable operating conditions. All treatment processes remained consistent, and the plant continues to meet all permit requirements.

Improved Water Quality for Reuse:

Water leaving the facility continues to meet high quality standards. Effluent BOD and TSS remain well below permit limits, resulting in cleaner water being recycled for irrigation and other reuse purposes. Disinfection performance has also stayed strong, ensuring safe and dependable reuse water for the community.

PARAMETER	Permit Limit	June-2025	July-2025	Aug-2025
Influent BOD (mg/L)	N/A	233	235	167
Effluent BOD (mg/L)	25	5.0	5.0	5.0
BOD Removal Percent (%)	85	98	98	97
Influent TSS (mg/L)	N/A	255	275	144
Effluent TSS (mg/L)	25	5	4	4
TSS Removal Percent (%)	85	98	98	97
Additional Plant Parameters				
Wasting Rate (MGD)	N/A	.141	.130	.130
Daily Average Plant Flow (MGD)	N/A	3.037	2.972	2.950
Monthly Total Reuse Flow (MG)	N/A	52.399	73.29	53.4

**These measures are key indicators of how well the treatment process is working.*

***BOD** (Biochemical Oxygen Demand) is a measure of the amount of dissolved oxygen that microorganisms need to break down organic matter in wastewater under aerobic conditions.

***TSS** (Total Suspended Solids) is a measure of the amount of solid particles suspended in wastewater or effluent that can be trapped by a filter.

Monthly Highlights :

- **Reuse Demand:** Reuse volume decreased from 73.29 MG to 53.4 MG, showing the peak season demand has passed. Year-to-date, the facility has treated and reused 230 MG.
- **Power Service Upgrade:** The power service feed for the Water Reclamation Facility (WRF) has been transferred to the continuous looped line along 8000 West. This upgrade will improve power stability at the plant, reduce outages, protect treatment equipment, and lower operator callouts.

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	10/9/2025	11/30/2025	10/1/2026
Annual Certification and Filing of Budget with State Auditor	11/30/2025	12/31/2025	12/31/2026
Annual Filing of Impact Fees Report with State Auditor	3/31/2025	3/31/2025	3/31/2026
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	5/8/2025	May	05/31/2026
2nd Quarter	8/14/2025	August	08/31/2026
3rd Quarter	11/13/2025	November	11/30/2026
4th Quarter	2/28/2026	February	02/28/2027
Quarterly Expenditures and Revenues posted to Utah Public Transparency Website			
1st Quarter	4/27/2025	04/30/2025	04/30/2026
2nd Quarter	7/31/2025	07/31/2025	7/31/2026
3rd Quarter	10/31/2025	10/31/2025	10/31/2026
4th Quarter	1/31/2026	01/31/2026	1/31/2027
WWTP Annual Biosolids Report to State	2/10/2025	3/1/2025	3/1/2026
OSHA 300 Report - Posted & Submitted	3/2/2025	3/2/2025	3/2/2026
Board member contact information (name, phone number, and email address) posted on the Utah Public Notice Website	1/8/2025	30 days after information has changed	1/8/2026
Semi-annual Report to State Money Management Council			
June 30 Report	7/15/2024	07/31/2024	7/31/2025
December 31 Report	1/25/2025	01/31/2025	1/31/2026
File statement with Division of Corporations re: receipt of notice of claim	1/1/2025	January	1/1/2026
File with Registry of Lieutenant Governor	4/23/2025	A year from the last filing	4/30/2026
Disclosure regarding responsibility of homeowner to repair retail water line	5/1/2024 10/31/2024	Semi-Annually	10/31/2024
Year End W-2's	1/28/2025	January 31	1/31/2026
Quarterly Payroll Reports			
1st Quarter	4/27/2025	4/30/2025	4/30/2026
2nd Quarter	7/31/2025	7/31/2025	7/31/2026
3rd Quarter	10/31/2025	10/31/2025	10/31/2026
4th Quarter		1/31/2026	1/31/2027
Annual Sales Tax Return	1/28/2025	January 31	1/31/2026

LEGAL REQUIREMENTS	DATE COMPLETED	DUE DATE	NEXT SCHEDULED FOR
Annual ET Technologies Waste Renewal Certification	4/30/2025	4/30/2025	4/30/2026
Water Use Report	3/31/2025	03/31/XXXX	3/31/2026
Municiple Wastewater Planning Program Report	4/10/2025	April 15	5/1/2026
Publish Consumer Confidence Report	7/1/2024	Every July 1	7/1/2025
Risk Management Plan - WWTP	2025	Every 5 years	2030
Water Conservation Plan	2021	Every 5 years	2026
Annual Employee Training			
Sexual Harassment & Discrimination	6/25/2025	December 31	6/30/2026
Tuition Assistance Program	On-going	During Hiring Onboarding	On-going
Fraud Awareness Training	8/1/2025	December 31	9/1/2026
Ethical Behavior		December 31	
Preventing Violence in the Workplace	8/1/2025	December 31	9/1/2026
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	1/31/2025	1/31/2025	1/31/2026
Employee Performance Evaluations	11/30/2025	12/31/2025	11/30/2026
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	5/13/2025	December 2024	5/31/2026
Proper Notice of Public Meetings	Ongoing	at least 24 hours before public Meeting date and time	Ongoing
Appoint A Board Chair Person Annually	1/9/2025	January Regular Board Meeting	1/1/2026
Public Tax Increase Hearing	Ongoing	When Needed	Ongoing
Review Insurance/Bonding Requirements	Annually	December 2025	2026
Review Fund Balance Limitation	Annually	December 2025	2026
Imposing/Increasing Fee - Public Hearing	4/22/2021	When needed	Unknown
Meeting Minutes	Ongoing		Ongoing
Meeting Minutes and any materials distributed at the Meeting available on the Utah Public Notice Webiste, 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 listenting.			
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			

**BOWEN
COLLINS**

August 18, 2025

Trevor Andra, P.E.
District Engineer
Magna Water District
O - 801-250-6279
C – 801-231-4249
Via Email

Subject: Magna Water Conservation Garden Enhancement Project

Dear Trevor,

Bowen Collins & Associates (BC&A) appreciates the opportunity to submit our scope and fee to support improvements to the existing Magna Water Demonstration Garden located at the rear of the administration building. It is assumed that base mapping, existing utility information, and any relevant site plans will be provided to BC&A. The project will focus on enhancing visibility from the parking lot, upgrading path lighting, expanding plant diversity with additional water-conserving species, improving plant signage, creating a central information/kiosk center, and incorporating shaded seating areas for the public and visitor use. BC&A will also provide recommendations to enhance the visual appeal of existing native seed areas, which have not fully established or are currently lacking in visual interest.

Objectives

- Enhance the visibility and accessibility of the garden from the parking lot
- Improve educational and interpretive elements
- Expand and diversify the water-wise plant palette
- Increase user comfort and usability through lighting and shaded seating
- Provide visual improvements to areas seeded with native species

Scope of Work

1. Meetings and Site Visit

- BC&A will conduct up to two (2) virtual meetings with Magna Water District to review the 30% progress plans and 90% progress plans. Additionally, BC&A will conduct a site visit to document existing conditions and compare them to the design plans provided by Magna Water District.

2. Garden Parking Lot Wayfinding

- Evaluate and implement landscape design modifications that increase visual connection from the parking lot to the garden area (e.g., modify existing wayfinding sign and add new).

3. Lighting Improvements

- Existing lighting appeared damaged in areas; BC&A will assess current lighting conditions and provide recommendations for improvements as needed.

4. Plant Signage and Educational Features

- Design and install durable, easy-to-read plant identification signage that highlights water conservation benefits, native or adapted plant characteristics, and maintenance tips.
- Consider QR codes for more information
- Incorporate interpretive panels/central kiosk for additional educational resources.

5. Plant Diversity and Landscape Improvements

- Conduct a plant palette assessment to identify opportunities to expand species diversity with additional drought-tolerant, climate-adapted, and pollinator-friendly plants.
- Verify that plant selections support seasonal interest, low water use, and visual appeal.

6. Shade and Seating Areas

- Provide shade seating alternatives to provide public and visitor use during warmer months.

7. Native Seeding Area Improvements

- Evaluate existing seeded native areas for composition, density, and visual quality.
- Provide design solutions to improve visual interest, such as incorporating swathes of wildflowers, structured plant groupings, or interspersed low-maintenance ornamental grasses.

Deliverables

- Conceptual landscape improvement plan
- Light fixture recommendations
- Plant palette and signage layout
- Seating and shade structure design details
- Recommendations for improving native seed areas
- Cost estimate and phasing plan (if applicable)

Magna Water Conservation Garden Enhancement Project

August 18, 2025

Page 3

Attached is our proposed fee of \$27,678.00, which covers the tasks outlined above.

Please let me know if you have any questions regarding this scope and fee. We are happy to adjust as needed to fit your expected scope and fee. We are ready to begin work upon receiving your notice to proceed.

Sincerely,

Bowen Collins & Associates, Inc.

A handwritten signature in blue ink, appearing to read 'Jamie Tsandes', with a stylized, cursive script.

Jamie Tsandes, PLA

Vice President – Principal Landscape Architect

Cc: Cara Glabau, PLA

Demonstration Garden Upgrades

Magna Water

LAST UPDATED: August 2025

						Subtotal Hours	Subtotal Labor	Subtotal Expenses	Expenses	Total Cost
	Labor Category	Accounting	Irrigation	Landscape Architect	Landscape Architect PIC				Mileage	
	Staff	Skousen	Jacobsen	Glabau	Tsandes					
Task No.	Task Description									
	Design Period Services									
1	Meetings (2) and Site Visit (1), Admin	6		12	12	30	\$ 5,004.00	\$75.00	\$75.00	\$ 5,079.00
2	Garden Parking Lot Wayfinding			5	2	7	\$ 1,125.00	\$0.00		\$ 1,125.00
3	Lighting Improvements Considerations			6	2	8	\$ 1,266.00	\$0.00		\$ 1,266.00
4	Plant Signage and Educational Features			40	10	50	\$ 7,740.00	\$0.00		\$ 7,740.00
5	Plant Diversity and Landscape Improvements		12	20	20	52	\$ 8,460.00	\$0.00		\$ 8,460.00
6	Shade and Seating Areas			10	5	15	\$ 2,460.00	\$0.00		\$ 2,460.00
7	Native Seeding Area Improvements			8	2	10	\$ 1,548.00	\$0.00		\$ 1,548.00
	Sub-Total	6	12	101	53	172	\$ 27,603.00	\$75.00	\$75.00	\$ 27,678.00
	Total Hours	6	12	101	53	172				
	Total Cost						\$ 27,603.00	\$75.00	\$75.00	\$ 27,678.00

Expenses include:
 Mileage reimbursement at \$0.75/mile
 10% Markup on other project related expenses

Exclusions:
 Electrical Design
 Lighting Design

- Sheets**
 G-01 General Notes and Cover Sheet (1)
 C-01 Site Plan (1)
 L-01 Landscape Plan and Seeding Area (2)
 L-02 Irrigation Modifications (2)
 D-01 Signage Detail Sheets (2)
 D-02 Shade and Seating Details (2)
 D-03 General Details (1)

TEMPEST ENTERPRISE



August 28, 2025

Magna Water District
Clint Dilley, P.E.
General Manager
8885 West 3500 South
Magna, UT 84044

Re: Letter of Recommendation – Water Service Line Replacement Project Construction Contractor Selection

Dear Mr. Dilley,

Bids were opened for the construction of the Water Service Line Replacement Project (Project) on Wednesday, August 27, 2025, at 3:30 p.m. at the Magna Water District (District) office. Four sealed bids were submitted and read out loud. The apparent lower bidder for the Project is Tempest Enterprises, Inc. for a total of \$512,100.00.

The following is a summary of the bid results and the Engineer's Estimate.

Contractor	Bid Total
Tempest Enterprises	\$512,100.00
Utility One Inc.	\$638,242.00
VanCon Inc.	\$1,052,740.00
Beck Construction & Excavation Inc.	\$1,141,250.00

We have reviewed the bid for the apparent low bidder. Tempest Enterprises, Inc. has submitted a bid bond for the correct amount of 5% of the bid price, and the bonds are properly completed and notarized.

Tempest Enterprises, Inc. has completed similar projects of this size and type. Magna Water District has never worked with Tempest before, but their recommendations speak highly of them. We believe they are competent, and they have given the District a favorable bid price. If the District chooses to move forward with this Project, then we recommend awarding the project to Tempest Enterprises, Inc.

If you have any questions about our recommendation, please reach out to me directly at (801)-597-2449 or via email at Stockton.denos@ae2s.com.

Submitted in service,

Stockton Denos, PE
AE2S Project Manager

MWD STANDARD DETAILS



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley, P.E.

September 3, 2025

Subject: MWD Standard Details – 2025 Update

Over the last few years, we have had reoccurring questions from contractors in reference to our details. We have also had some pushback from contractors when the detail does not provide enough information. To help with this we reviewed each detail and made several changes or additions. Below is a list of details and description of the changes. Attached are each of the details for reference.

1) Typical Intersection and Cul-de-sac - Pipeline Placement (1A and 1B)

- a. 1A
 - i. Changed line type on water, sewer, and secondary
 - ii. Added FH Concrete pads
- b. 1B
 - i. Added direction on how to chamfer concrete around meter box lid

2) Standard Manhole

- a. Added part number to ring and lid callout.

3) Sewer Cleanout

- a. N/A

4) Sewer Service Lateral

- a. N/A

5) Waterline Thrust Blocking

- a. N/A

6) Gate Valve

- a. Added Concrete Collar example near curb and gutter
- b. Added to callout for 5000 psi concrete during winter

7) Fire Hydrant

- a. Added wax tape & poly wrap on hydrant/fittings

8) 3/4" Water Meter Service With Setter

- a. Added table for meter box diameter
- b. Change meter lid height to 0.5-inches above top back of curb
- c. Adjusted setter depth to between 12" & 14" below lid

9) 1" Water Meter Service

- a. Added table for meter box diameter
- b. Change meter lid height to 0.5-inches above top back of curb
- c. Adjusted setter depth to between 12" & 14" below lid
- d. Changed call out to correct ring and lid

10) 1 ½" and 2" Meter Vault

- a. Changed callout from ball valve to check valve on customer side of setter.
- b. Added part number to ring and lid callout.
- c. Removed brass nipple and added compression coupling.

11) 3" Water Meter Vault

- a. Added part number to ring and lid callout.

12) 4" Water Meter Vault

- a. Added part number to ring and lid callout.

13) 8" and 10" Water Meter Vault

- a. Added part number to ring and lid callout.

14) 6" and 8" Fire Flow Detector

- a. Added part number to ring and lid callout.

15) Sample Vault

- a. N/A

16) Oil and Grease Separator

- a. N/A

17) Secondary Water Single Service Connection

- a. Added Mueller Model #'s for 3/4" and 1" setters

18) Secondary Water 1 1/2" & 2" Meter Vault

- a. Added part number to ring and lid callout.

19) Secondary Water 3", 4" or 6" Meter Vault

- a. Added part number to ring and lid callout.

20) 4" Blow-off

- a. Added part number to ring and lid callout.
- b. Moved Gate Valve outside of manhole.
- c. Added note to clarify when 4" can be used as permanent blow-off

21) 6" Blow-off

- a. Added part number to ring and lid callout.
- b. Moved Gate Valve outside of manhole.
- c. Added note to clarify when 6" can be used as permanent blow-off

22) Culinary Water Air Vac Valve

- a. Added part number to ring and lid callout.

23) Secondary Water Air Vac Valve

- a. Added part number to ring and lid callout.

24) PRV Station

- a. N/A

25) Sewer, Culinary Water, & Secondary Water Pipe Trench Cross Section

- a. N/A

26) Pipeline Loop

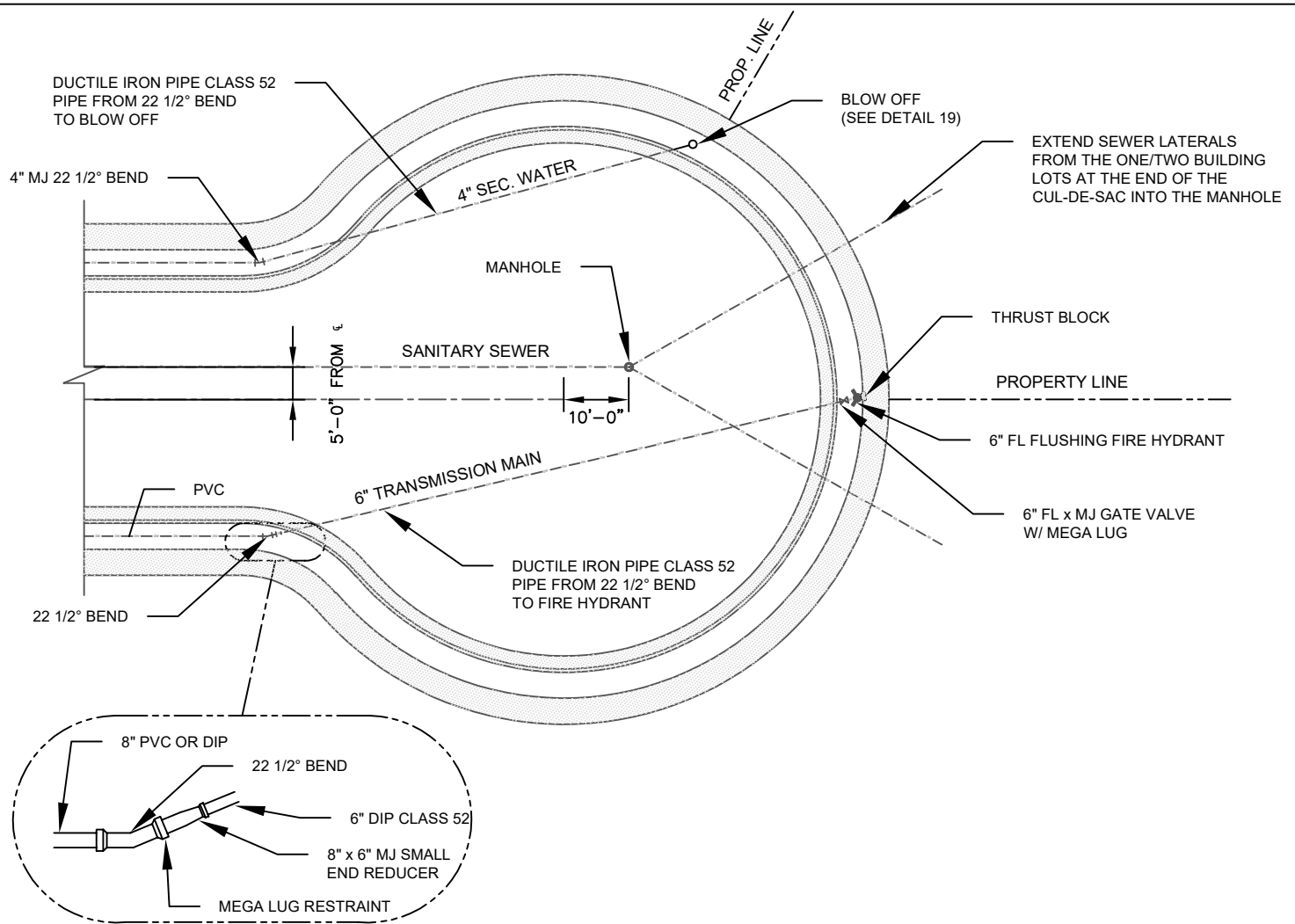
- a. N/A

Thanks,

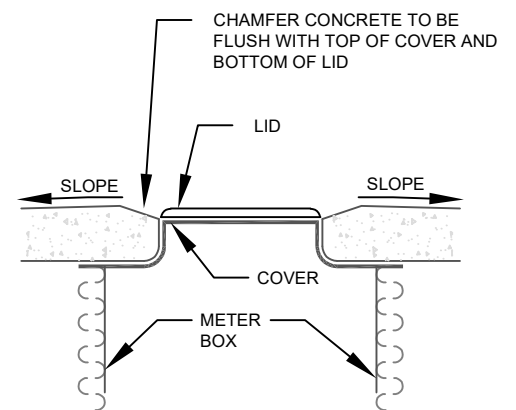
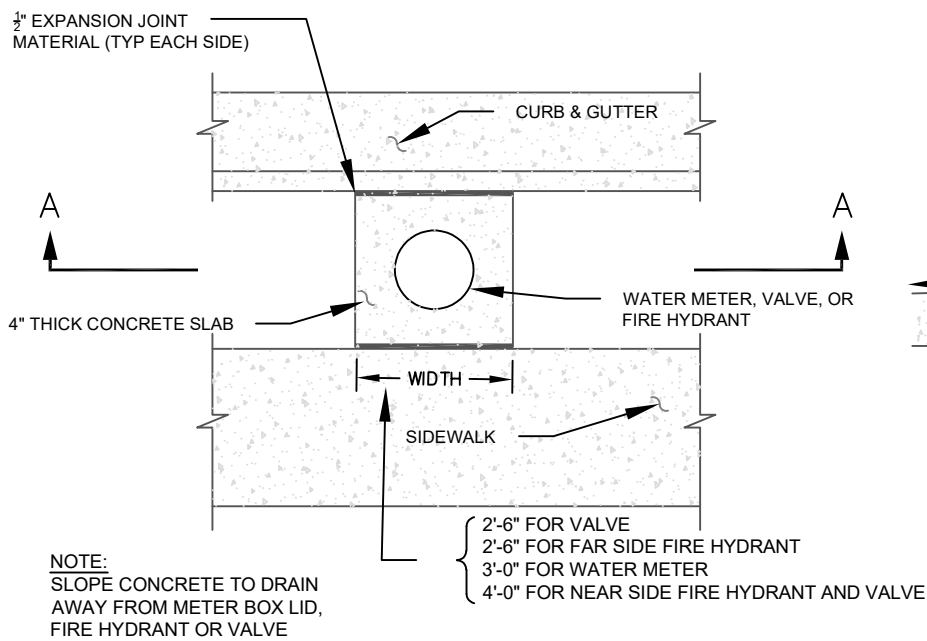
Trevor Andra, P.E.
Magna Water District
District Engineer

TYPICAL DETAILS INDEX

- 1) Typical Intersection and Cul-de-sac - Pipeline Placement (1A and 1B)
- 2) Standard Manhole
- 3) Sewer Cleanout
- 4) Sewer Service Lateral
- 5) Waterline Thrust Blocking
- 6) Gate Valve
- 7) Fire Hydrant
- 8) 3/4" Water Meter Service With Setter
- 9) 1" Water Meter Service
- 10) 1 1/2" and 2" Meter Vault
- 11) 3" Water Meter Vault
- 12) 4" Water Meter Vault
- 13) 8" and 10" Water Meter Vault
- 14) 6" and 8" Fire Flow Detector
- 15) Sample Vault
- 16) Oil and Grease Separator
- 17) Secondary Water Single Service Connection
- 18) Secondary Water 1 1/2" & 2" Meter Vault
- 19) Secondary Water 3", 4" or 6" Meter Vault
- 20) 4" Blow-off
- 21) 6" Blow-off
- 22) Culinary Water Air Vac Valve
- 23) Secondary Water Air Vac Valve
- 24) PRV Station
- 25) Sewer, Culinary Water, & Secondary Water Pipe Trench Cross Section
- 26) Pipeline Loop



CUL-DE-SAC DETAIL



SECTION A-A



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

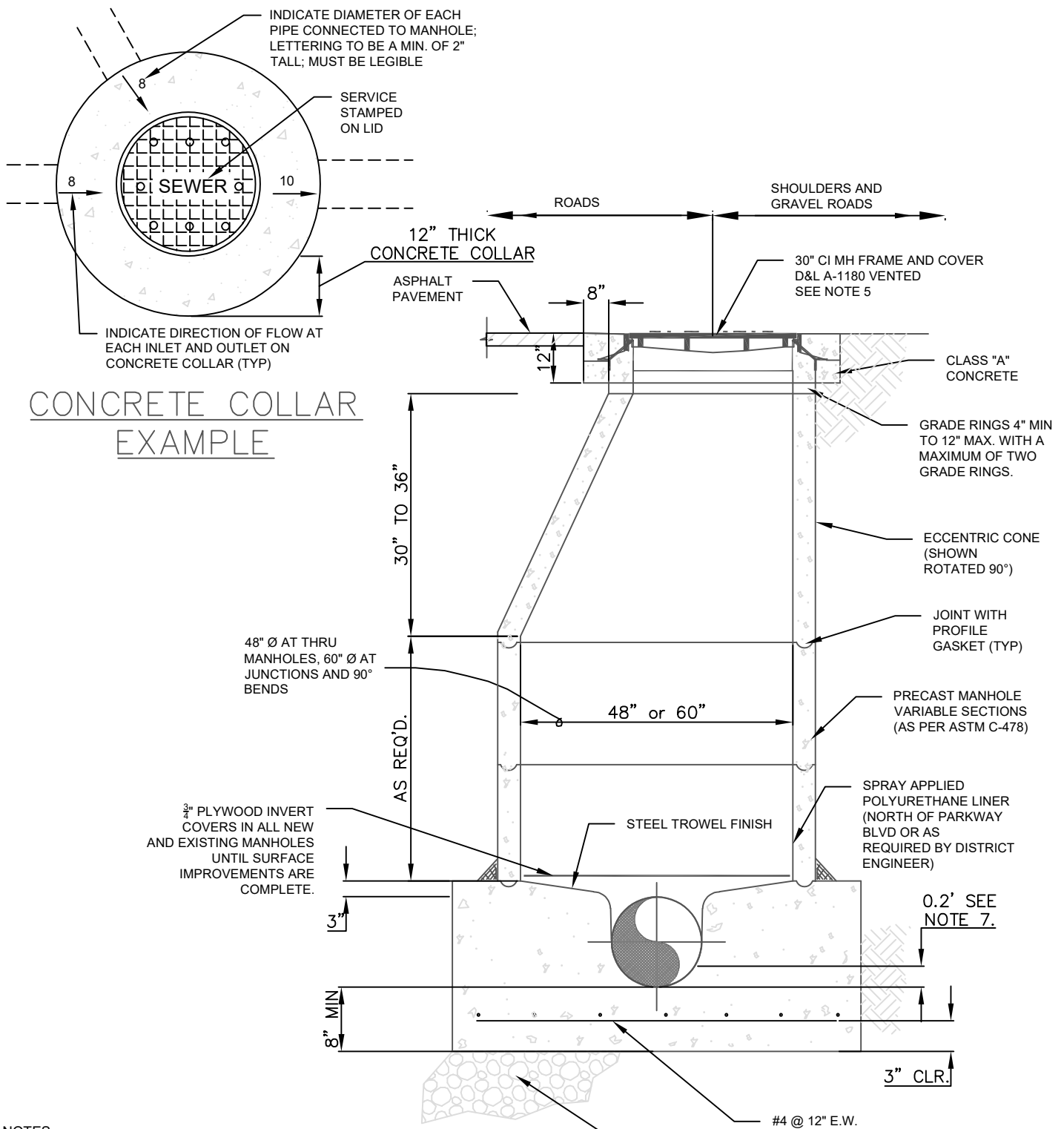
CULINARY, SECONDARY &
SEWER PLACEMENT DETAIL

DEPARTMENT

ENGINEERING

STANDARD DETAIL
1B

REVISION
2025



NOTES:

1. LOCATE MANHOLE COVER ON DOWNSTREAM SIDE OF MANHOLE
2. SET MANHOLE FRAME IN GROUT
3. ALL JOINTS TO BE WATER TIGHT. EXTRA GROUTING & SEALING MAY BE REQUIRED BELOW WATER TABLE.
4. MANHOLE BASE AND 1ST SECTION OF MANHOLE TO BE FABRICATED AS AN INTEGRAL UNIT.
5. RING & COVER TO EXTEND 12" ABOVE FINISH GRADE FOR NONTRAVELED AREA. MATCH FINISHED ROADWAY GRADE IN TRAVELED AREAS.
6. FLEXIBLE PIPE JOINTS AT ALL CONNECTIONS TO BE T-LOCK OR RUBBER BOOT.
7. NEW SEWER MAINS OR LATERALS ENTERING A MANHOLE SHALL BE A MINIMUM OF 0.2' ABOVE THE FLOWLINE OF THE EXISTING PIPE AT THE POINT OF CONNECTION FOR LOW FLOW COLLECTION MAINS, THE ELEVATION SHALL MATCH THE HYDRAULIC GRADE LINES DETERMINED BY AN ENGINEER.

PRECAST MANHOLE DETAIL

N.T.S.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

**STANDARD MANHOLE
DETAIL**

DEPARTMENT

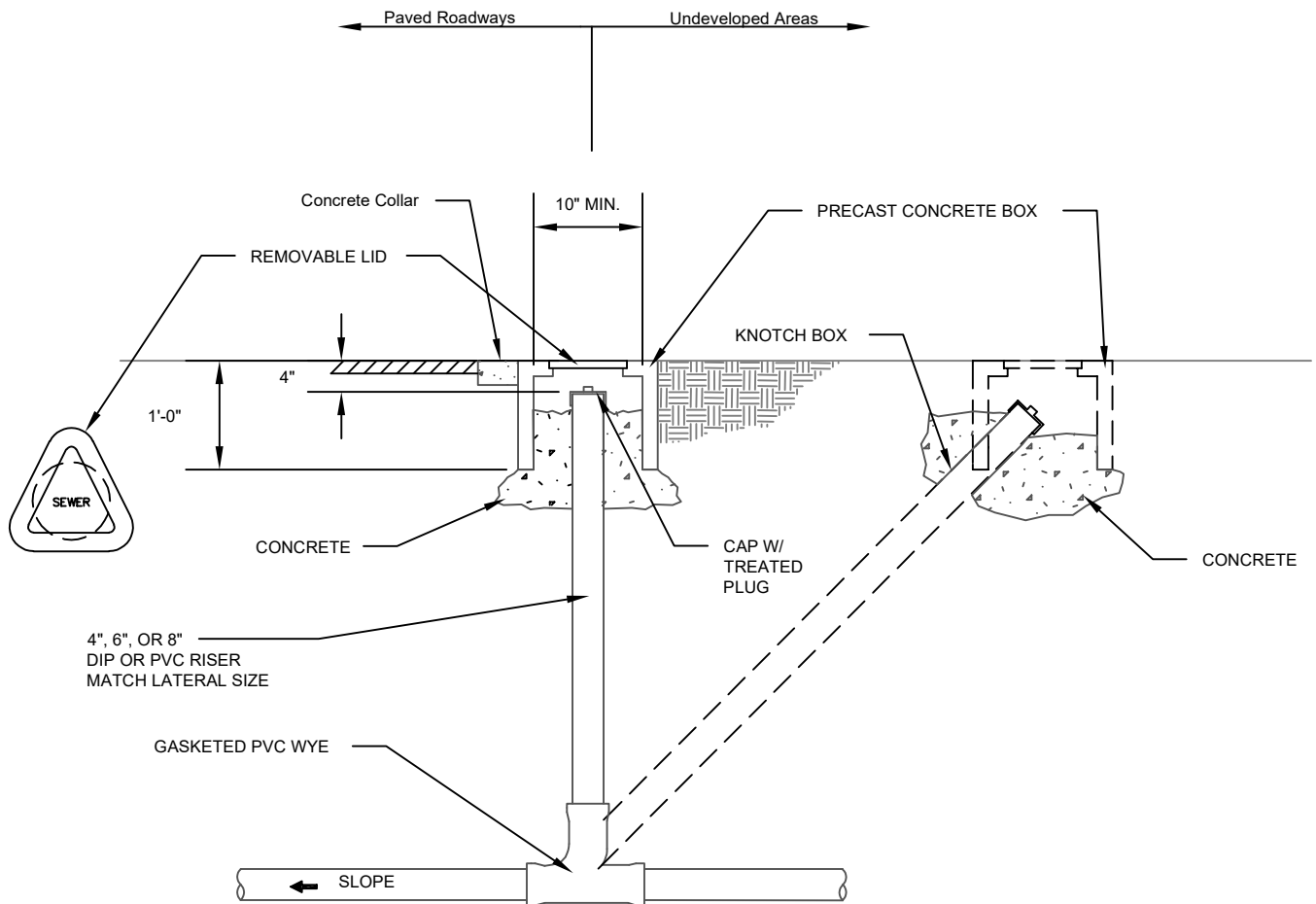
ENGINEERING

STANDARD DETAIL

2

REVISION

2025



A SEWER CLEANOUT
- N.T.S.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

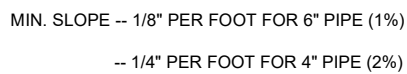
SEWER CLEANOUT

DEPARTMENT	
ENGINEERING	
STANDARD DETAIL	REVISION
3	2025

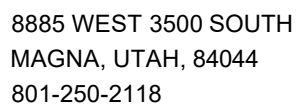
1. CLEANOUTS WILL BE REQUIRED WHERE SERVICE LATERALS EXCEED 50' FROM BUILDING TO PROPERTY LINE AND WHERE DEEMED NECESSARY BY THE INSPECTOR.
2. CONNECTIONS TO EXISTING MAINS SHALL BE SEWER SADDLE TYPE MACHINE CORE DRILLED AND GASKETED.
3. PREFERRED ARRANGEMENT: CENTERLINE OF WYE BRANCH TO BE PLACED IN UPPER THIRD OF MAIN.
4. CONCRETE THRUST BLOCKING ON ALL BENDS REQUIRED.



PLAN



ELEVATION



SEWER SERVICE LATERAL

DEPARTMENT

ENGINEERING

STANDARD DETAIL
4REVISION
2025

1. ALL WORK MUST BE INSPECTED BY MAGNA WATER DISTRICT PRIOR TO BACKFILL.
2. THRUST BLOCKS MUST BE POURED AGAINST UNDISTURBED SOIL.
3. ALL PIPE JOINTS MUST BE LEFT ACCESSIBLE.
4. CONCRETE MUST BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINES.
5. CONCRETE MUST HAVE A MINIMUM OF 3000 P.S.I. COMPRESSIVE STRENGTH IN 28 DAYS.
6. THRUST BLOCKS MUST BE POURED AS CLOSE AS POSSIBLE TO THE CONFIGURATION SHOWN.
7. BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 200 PSIG AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS./SQ. FT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESS. USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESS./200) X (2000/SOIL BEARING STRESS) X (TABLE VALUE).
8. BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.
9. BEARING AREAS FOR PIPE SIZES NOT SHOWN REQUIRE A SPECIAL DESIGN.

THE AREA OF BEARING PER THRUST BLOCK TO EQUAL THE FULL AREA SPECIFIED FOR THE LARGEST PIPE.

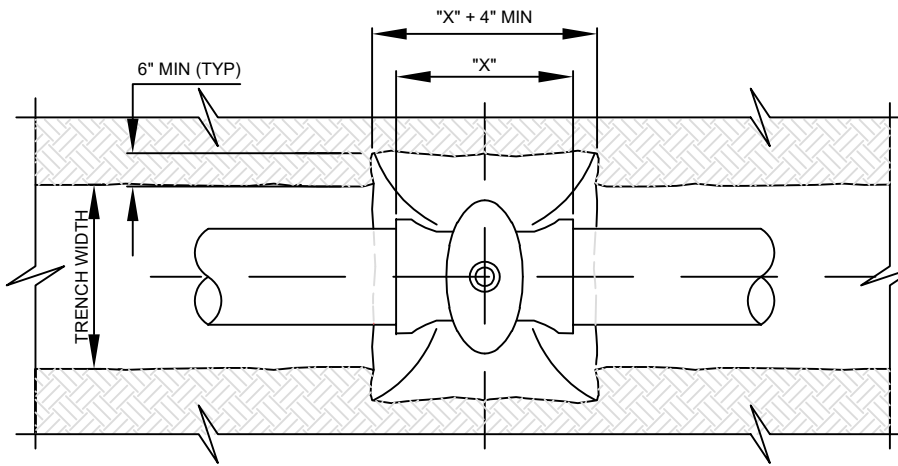
MINIMUM BEARING AREA IN SQ. FT.					
PIPE SIZE	TEES, VAL, DEAD ENDS	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	2	2	2	2	2
6"	3	4	3	2	2
8"	5	8	4	2	2
10"	8	12	6	4	3
12"	12	16	9	5	3
14"	19	26	14	7	4
16"	21	29	16	8	4

Diagram illustrating the construction details of a Vertical Thrust Block Assembly:

- Dimensions:**
 - Top horizontal dimension: 3'-6"
 - Left vertical dimension: SEE NOTE 3
 - Bottom horizontal dimension: SEE NOTE 3
 - Internal angle: 2'-0"
- Components and Materials:**
 - BACKFILL UBC COMPACTED TO 95%
 - M.J. 45° BEND AS SHOWN ON PLANS
 - 2-#6 REBAR HAIRPINS PAINT UNBEDDED PORTION OF BARS WITH 2 COATS OF COAL TAR EPOXY AND THEN COVER WITH 2" MIN. OF CONCRETE
 - PVC SIZED ON PLANS
 - CONC. BLOCK, CLASS C (4'-0"x4'-0"x6'-0") (SEE NOTE 3)

NOTES:

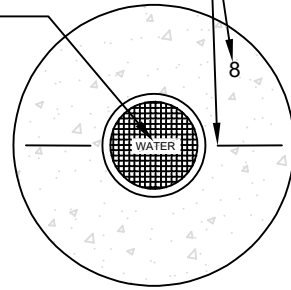
1. CONTRACTOR TO USE MECHANICAL THRUST RESTRAINT ON ALL VERTICAL BEND FITTINGS IN ADDITION TO THE AMOUNT OF CONCRETE SHOWN ABOVE.
2. CONTRACTOR SHALL USE THRUST RESTRAINT ON TWO HORIZONTAL JOINTS PRIOR TO AND TWO JOINTS FOLLOWING THE VERTICAL BEND.
3. DIMENSIONS OF CONCRETE BLOCK AS REQUIRED TO OBTAIN MINIMUM VOLUME OF 2 CUBIC YARDS



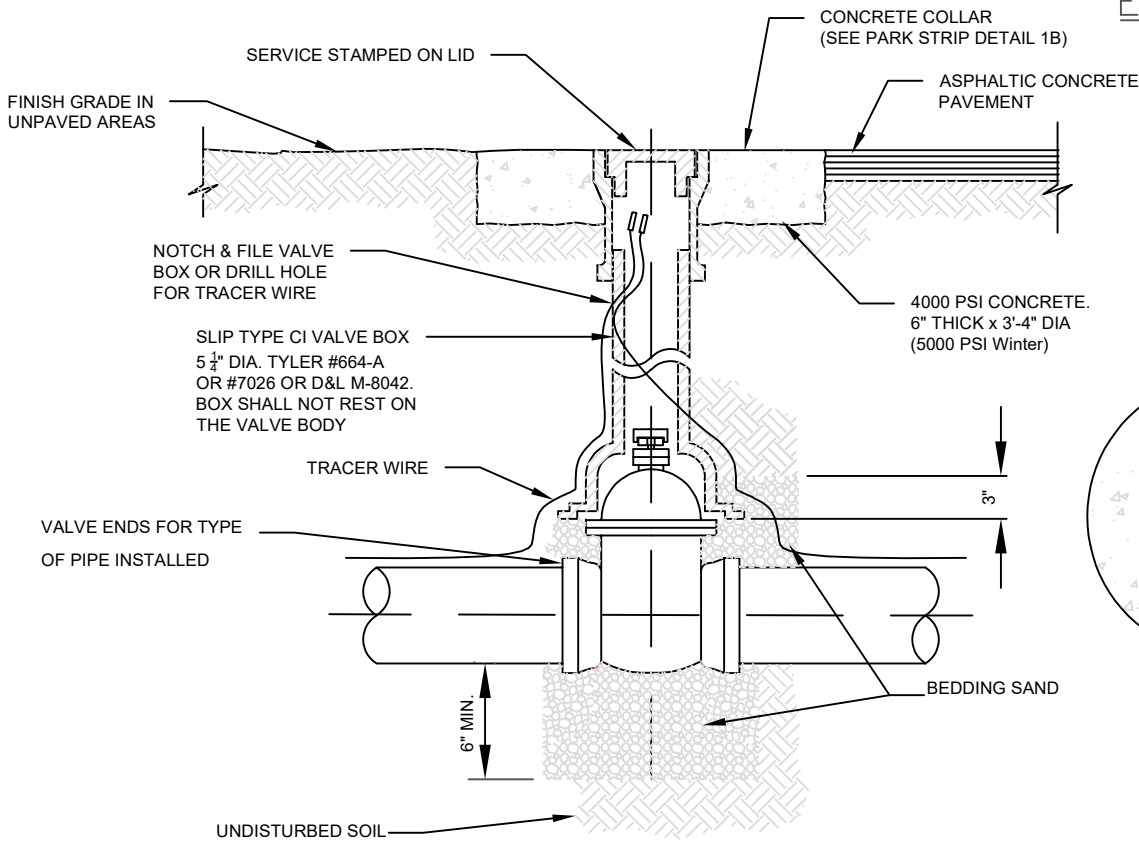
PLAN

INDICATE SIZE AND ORIENTATION OF MAIN ON CONCRETE COLLAR; MIN. OF 2\"/>

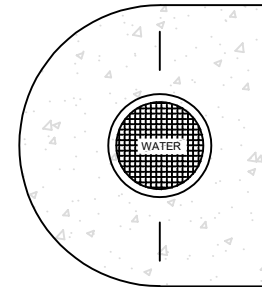
SERVICE STAMPED ON LID;
"WATER"
FOR CULINARY;
"IRRIGATION"
FOR SECONDARY;
"FIRE"
FOR HYDRANTS



CONCRETE COLLAR
EXAMPLE



SECTION



CONCRETE COLLAR
NEAR CURB
EXAMPLE

NOTES:

1. ALL BURIED VALVES SHALL BE PROVIDED W/ 2\"/>



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

GATE VALVE

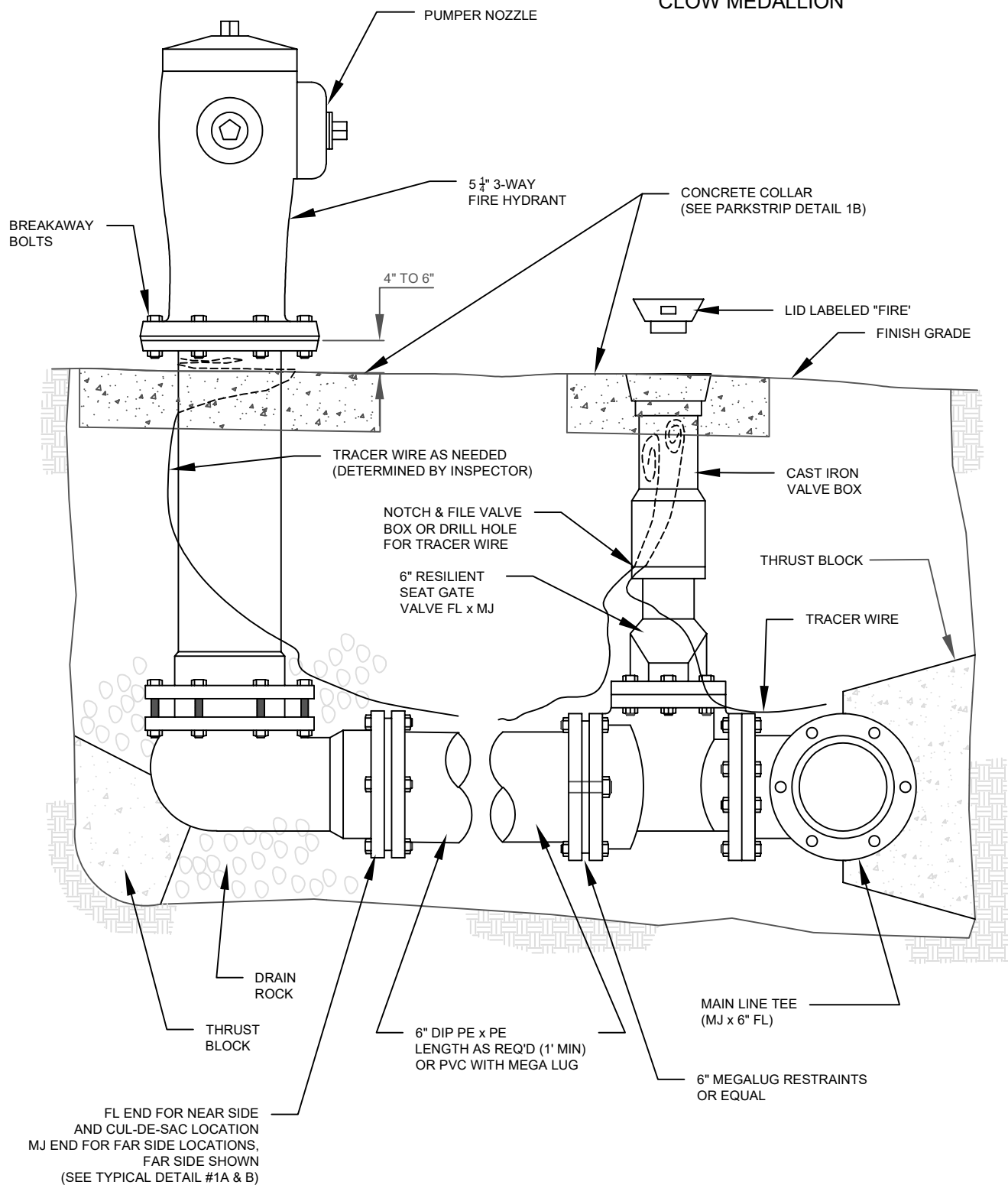
DEPARTMENT

ENGINEERING

STANDARD DETAIL
6

REVISION
2025

APPROVED MANUFACTURERS:
MUELLER SUPER CENTURION,
CLOW MEDALLION



NOTE: HYDRANT & FITTINGS
REQUIRE WAX TAPE & POLY WRAP.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

FIRE HYDRANT DETAIL

DEPARTMENT

ENGINEERING

STANDARD DETAIL
7REVISION
2025

RELOCATED METERS

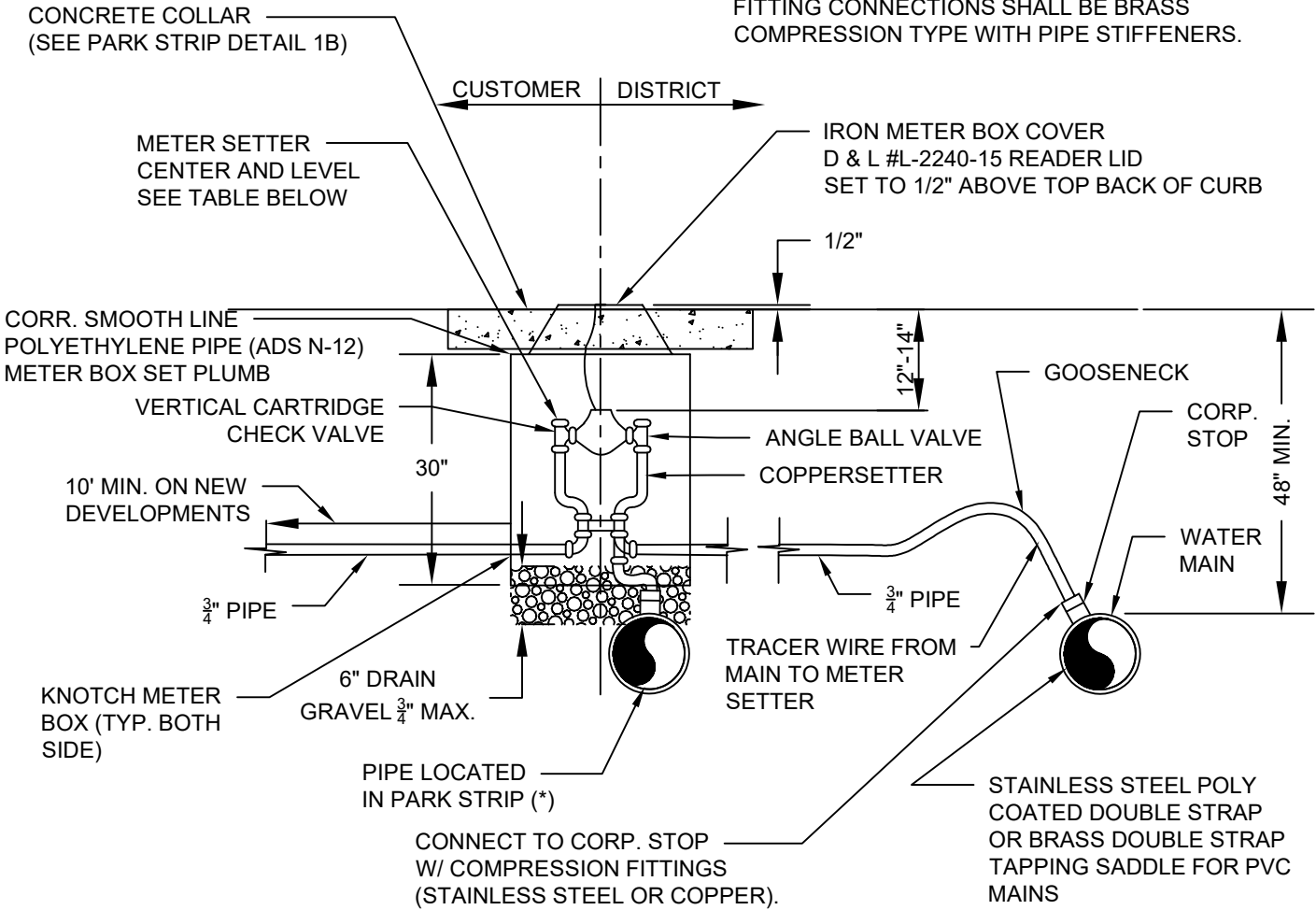
EXIST. LID, BOX, METER, AND SETTER TO BE RELOCATED TO LOCATIONS SHOWN ON PLANS. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE PIPING FROM THE MAIN TO THE METER, AND FROM THE METER TO THE OWNER'S PIPING TO BE PROVIDED BY THE CONTRACTOR MAKING SERVICE COMPLETE AND OPERATIONAL. AT THE OPTION OF THE DISTRICT NEW COMPONENTS OF THE LID, BOX, METER, OR SETTER MAY BE PROVIDED, IN WHICH THE NEW COMPONENTS SHALL BE USED AS PART OF THE RELOCATION CONNECTION.

NEW METERS

NEW METERS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS. THE LID, BOX, AND SETTER WILL BE PROVIDED BY THE CONTRACTOR. THE METER WILL BE PROVIDED BY THE DISTRICT. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE AND FROM THE METER TO 10'-0" ON TO THE OWNER'S PROPERTY SHALL BE PROVIDED BY THE CONTRACTOR

GENERAL NOTE

ALL SERVICE LINES 1" OR LESS SHALL USE
SMOOTH WALL HDPE BLUE PIPE SDR 9 PE 3408.
FITTING CONNECTIONS SHALL BE BRASS
COMPRESSION TYPE WITH PIPE STIFFENERS.



WATER METER SETTER			
METER SIZE	RISER HEIGHT	MUELLER MODEL #	METER BOX DIAMETER
5/8" x 3/4"	18"	B-2470-6AN	18"
3/4" x 3/4"	18"	B-2470-6AN	18"



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

3/4" WATER METER SERVICE

DEPARTMENT

ENGINEERING

STANDARD DETAIL
8REVISION
2025

RELOCATED METERS:

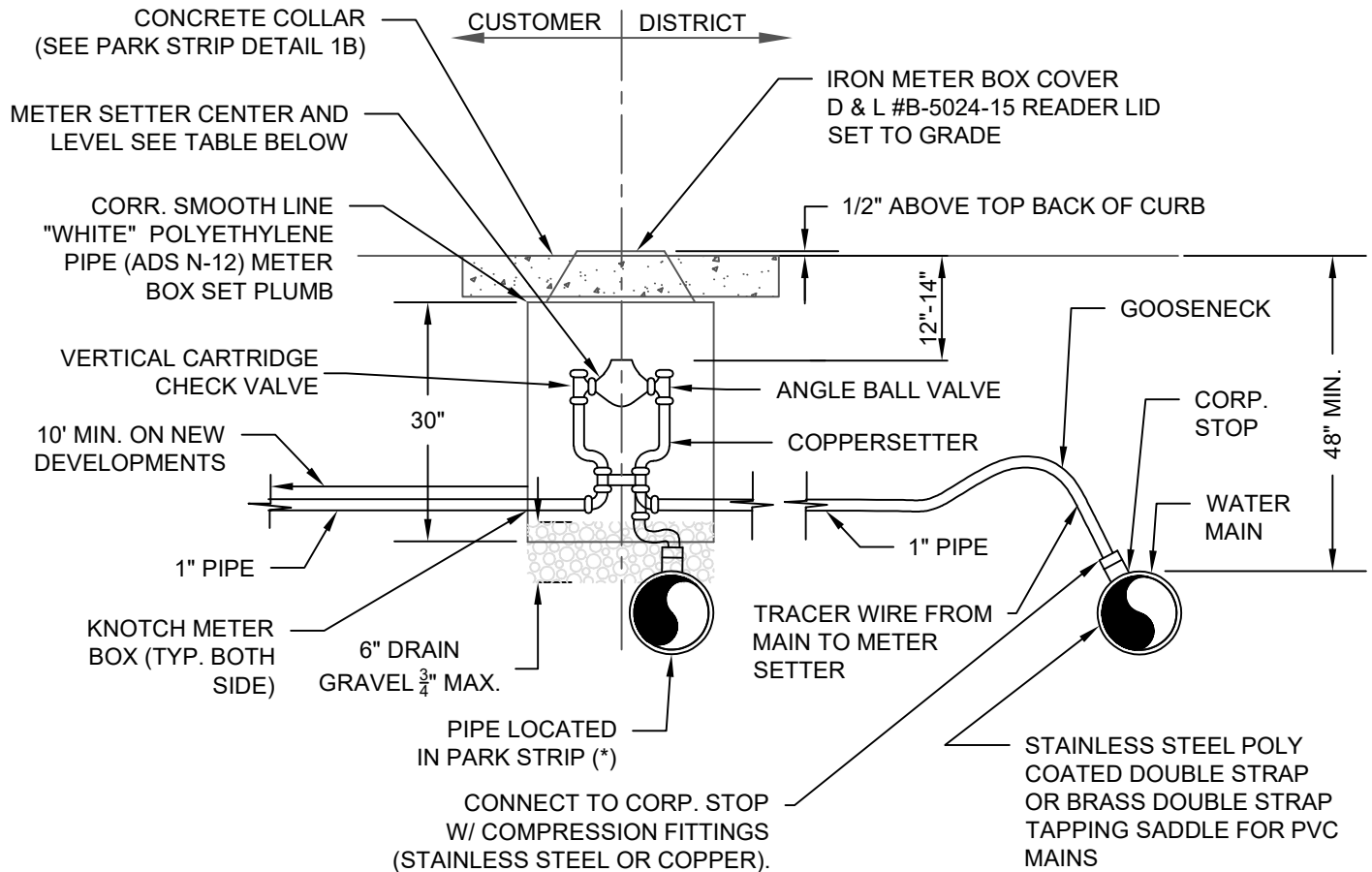
EXIST. LID, BOX, METER AND SETTER TO BE RELOCATED TO LOCATIONS SHOWN ON PLANS. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE PIPING FROM THE MAIN TO THE METER, AND FROM THE METER TO THE OWNERS PIPING TO BE PROVIDED BY THE CONTRACTOR MAKING SERVICE COMPLETE AND OPERATIONAL. AT THE OPTION OF THE DISTRICT NEW COMPONENTS OF THE LID, BOX, METER OR SETTER MAY BE PROVIDED, IN WHICH THE NEW COMPONENTS SHALL BE USED AS PART OF THE RELOCATION CONNECTION.

NEW METERS:

NEW METERS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS. THE LID, BOX, AND SETTER WILL BE PROVIDED BY THE CONTRACTOR. THE METER WILL BE PROVIDED BY THE DISTRICT. CONNECTION TO THE SUPPLY MAIN, CORP. STOP, AND SERVICE PIPING FROM THE MAIN TO THE METER AND FROM THE METER TO 10'-0" ONTO THE OWNERS PROPERTY SHALL BE PROVIDED BY THE CONTRACTOR.

GENERAL NOTE:

ALL SERVICE LINES 1" OR LESS SHALL USE SMOOTH WALL HDPE PIPE SDR 9 PE 3408. FITTING CONNECT SHALL BE BRASS COMPRESSION TYPE WITH PIPE STIFFENERS.



WATER METER SETTER			
METER SIZE	RISER HEIGHT	MUELLER MODEL #	METER BOX DIAMETER
1" x 1"	18"	B-2470-6AN	24"



8885 WEST 3500 SOUTH
MAGNA, UTAH 84044
801-250-2118

1" WATER METER SERVICE

DEPARTMENT

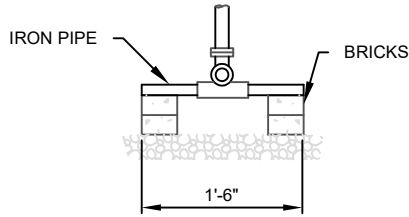
ENGINEERING

STANDARD DETAIL

9

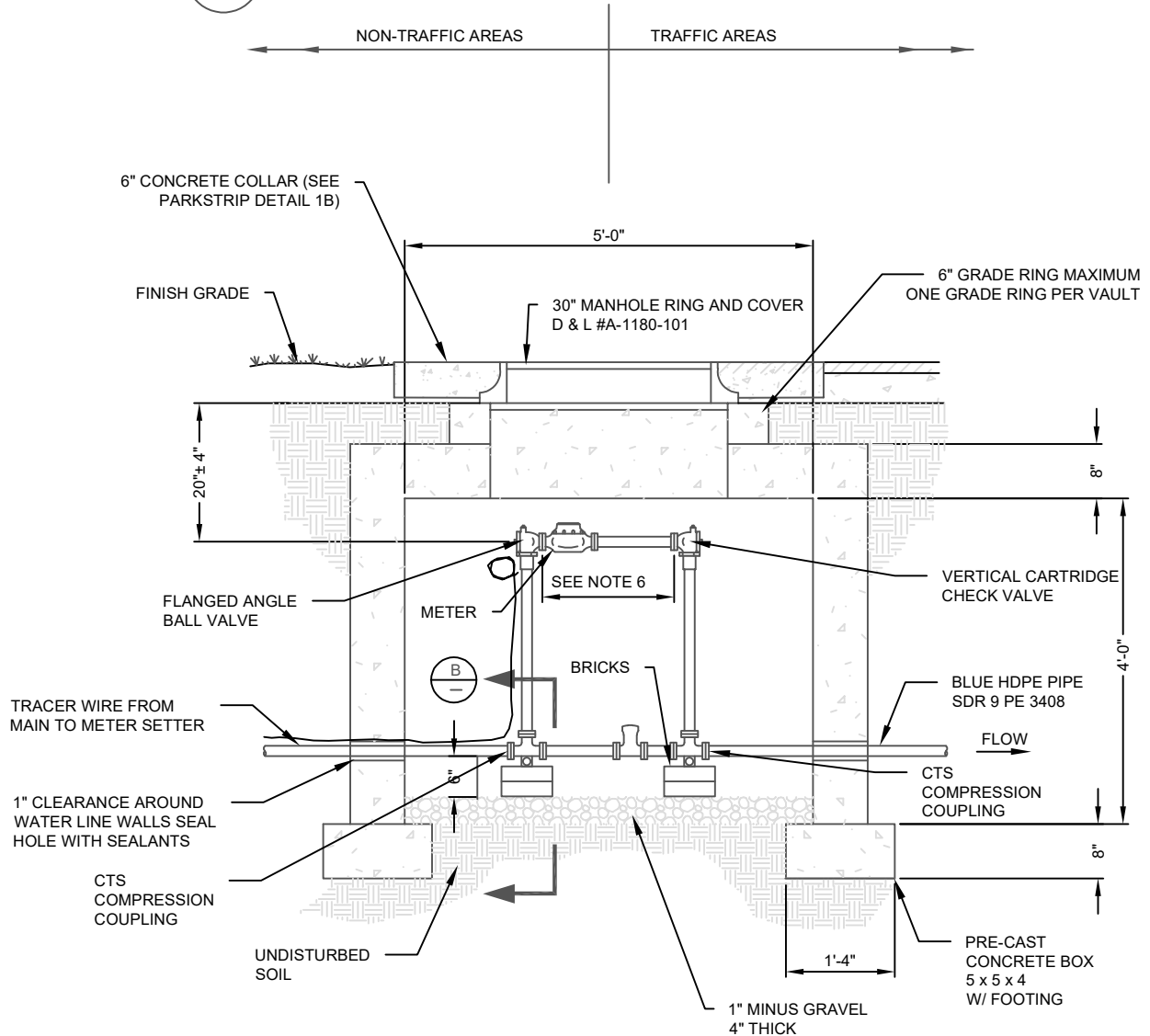
REVISION

2025



NOTES:

1. ALL WORK MUST BE INSPECTED BY MAGNA WATER DISTRICT PRIOR TO BACKFILL.
2. CENTER MANHOLE OVER THE METER.
3. BYPASS VALVE TO BE LEFT IN THE OFF POSITION & SEALED BY MAGNA WATER DISTRICT.
4. METER SUPPLIED BY MAGNA WATER DISTRICT.
5. METER LAYING LENGTH DETERMINED BY MAGNA WATER DISTRICT.
6. 1 1/2" DISK METER = 13 1/4"
1 1/2" TURBINE METER = 13 1/4"
2" DISK METER = 17 1/4"
2" TURBINE METER = 17 1/4"



WATER METER SETTER		
METER SIZE	FORD MODEL #	MUELLER MODEL #
1 1/2"	VBB76-24B-11-66x13.25	B-2423
2"	VBB77-24B-11-77x17.25	B-2423



8885 WEST 3500 SOUTH
MAGNA, UTAH 84044
801-250-2118

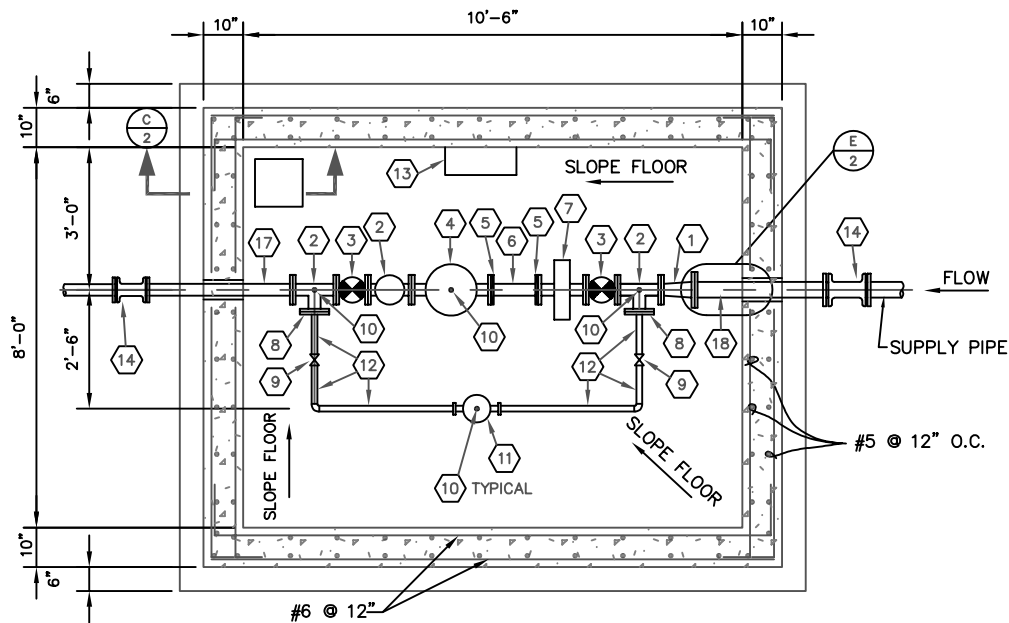
1 1/2" & 2" METER VAULT

DEPARTMENT

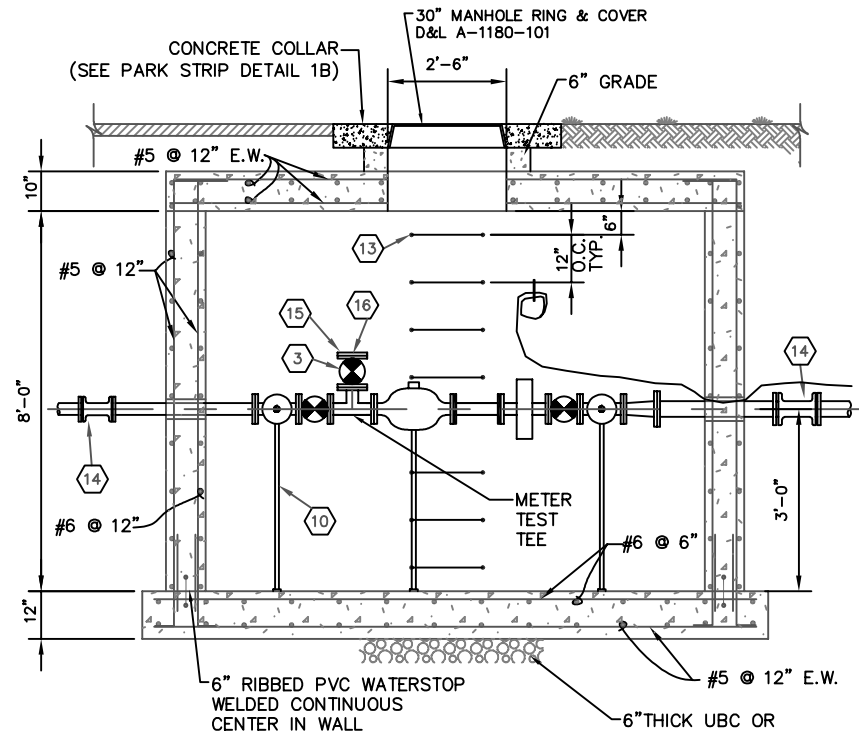
ENGINEERING

STANDARD DETAIL
10

REVISION
2025



A METER VAULT PLAN VIEW
SCALE: 3/8" = 1'-0"



B PROFILE VIEW
SCALE: 3/8" = 1'-0"

MARK	QUANTITY	DESCRIPTION
1	1	4" x 3" FL REDUCER
2	3	3" FL TEE
3	3	3" FL BALL VALVE
4	1	METER BY MAGNA WATER DISTRICT
5	2	3" VICTAULIC FLANGE ADAPTOR
6	1	3" x 1'-0" LONG GROOVED END DI PIPE (CLASS 55 MIN.)
7	1	3" FL PLATE STRAINER BY MAGNA WATER DISTRICT
8	2	3" FL x 1 1/2" THREADED
9	2	1 1/2" THREADED BALL VALVE

MARK	QUANTITY	DESCRIPTION
10	4	PIPE SUPPORT
11	1	1 1/2" FL BYPASS METER BY MAGNA WATER DISTRICT
12	-	1 1/2" COPPER PIPE
13	-	POLYPROPYLENE MANHOLE STEPS
14	2	MJ SOLID SLEEVES W/ MEGA LUG RESTRAINTS
15	1	3" FL x 3" THREADED
16	1	3" THREADED BRASS PLUG
17	1	3" FL x PE DI PIPE
18	1	4" FL x PE DI PIPE

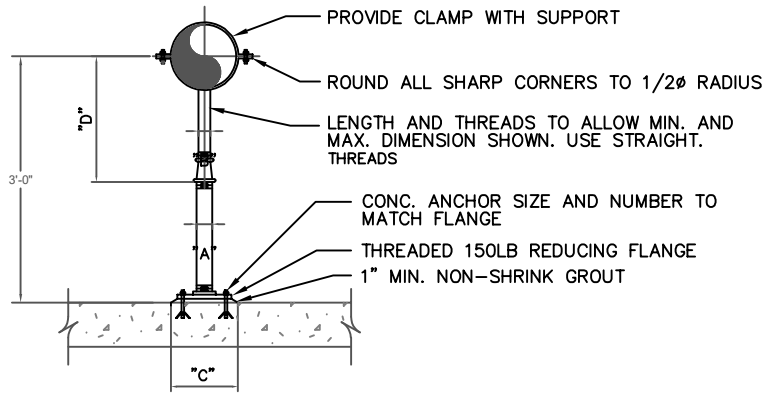
- NOTE:
CAST-IN-PLACE BOX SHOWN. PRECAST BOX
ALTERNATE SUBJECT TO FOLLOWING:
1. H-20 LOADING
 2. SUBMERGENCE DEPTH OF 8 FEET.
 3. NO HORIZONTAL JOINTS.
THROUGH THE PIPE OPENINGS.
 4. WATER STOP @ WALL/FLOOR JOINT.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

3-INCH WATER METER VAULT

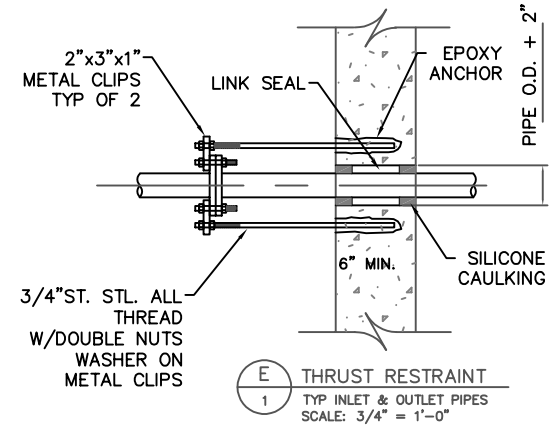
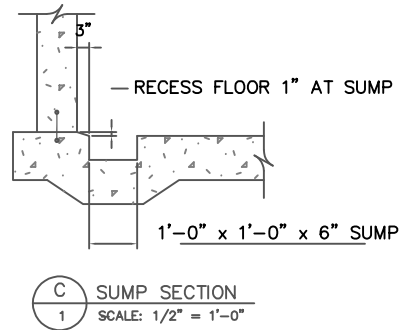
DEPARTMENT		
ENGINEERING		
STANDARD DETAIL 11	REVISION 2025	DRAWING NO. 1 OF 2



NOTES:

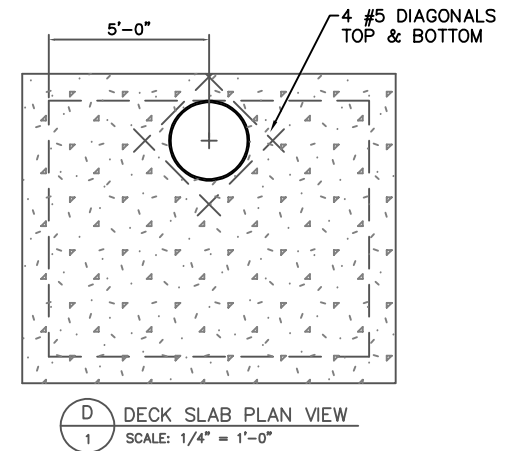
1. HOT DIP GALVANIZE AFTER FABRICATION.
2. PIPE SHALL BE SCHEDULE 40.

F
1 ADJUSTABLE PIPE SUPPORT
N.T.S.



ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE					
DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D	
				MINIMUM	MAXIMUM
*2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2

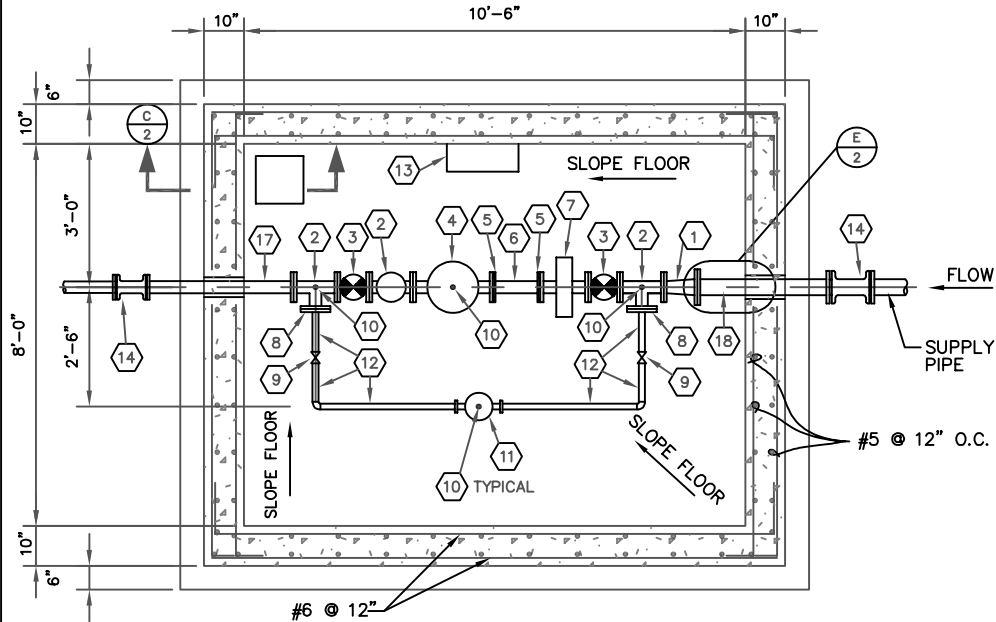
* USE 2 1/2" SUPPORTS FOR PIPE LESS THAN 2 1/2" Ø



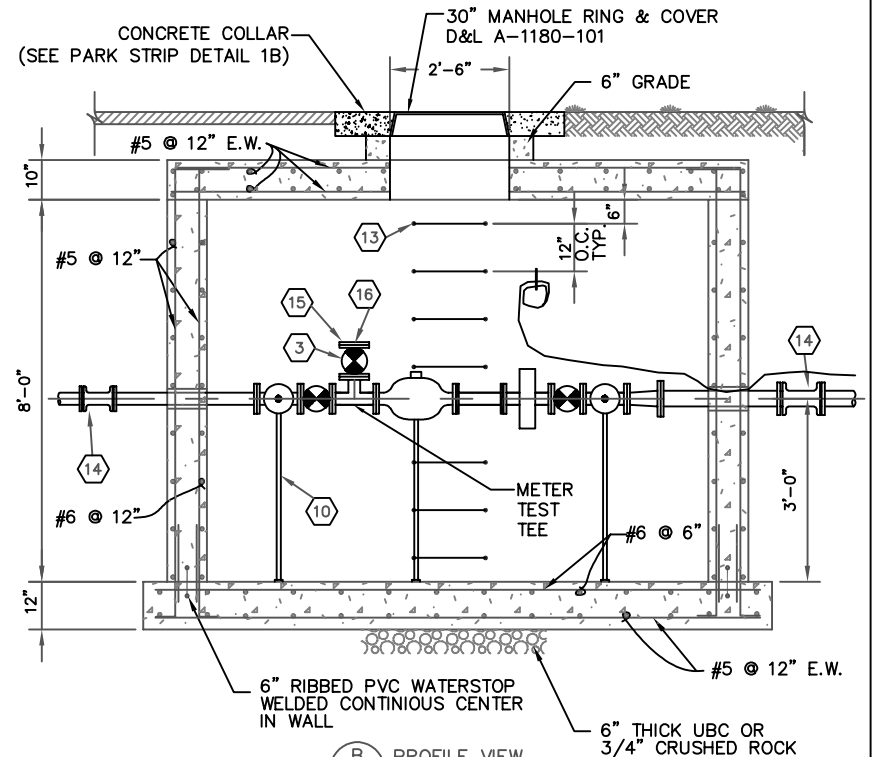
8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

3-INCH WATER
METER VAULT

DEPARTMENT		
ENGINEERING		
STANDARD DETAIL	REVISION	DRAWING NO.
11	2025	2 OF 2



A METER VAULT PLAN VIEW
SCALE: 3/8" = 1'-0"



B PROFILE VIEW
SCALE: 3/8" = 1'-0"

MARK	QUANTITY	DESCRIPTION
1	1	FL REDUCER IF REQ'D.
2	3	4" FL TEE
3	3	4" FL RESILIANT WEDGE GATE VALVE
4	1	METER BY MAGNA WATER DISTRICT
5	2	4" VICTAULIC FLANGE ADAPTOR
6	1	4" x 1'-0" LONG GROOVED END DI PIPE (CLASS 55 MIN.)
7	1	4" FL PLATE STRAINER BY MAGNA WATER DISTRICT
8	2	4" FL x 1 1/2" THREADED
9	2	1 1/2" THREADED BALL VALVE

MARK	QUANTITY	DESCRIPTION
10	4	PIPE SUPPORT
11	1	1 1/2" FL BYPASS METER BY MAGNA WATER DISTRICT
12	-	1 1/2" COPPER PIPE
13	-	POLYPROPYLENE MANHOLE STEPS
14	2	MJ SOLID SLEEVES W/ MEGA LUG RESTRAINTS
15	1	4" FL x 4" THREADED
16	1	4" THREADED BRASS PLUG
17	1	4" FL x PE DI PIPE
18	1	4" FL x PE DI PIPE

NOTE:

CAST-IN-PLACE BOX SHOWN. PRECAST BOX ALTERNATE SUBJECT TO FOLLOWING:

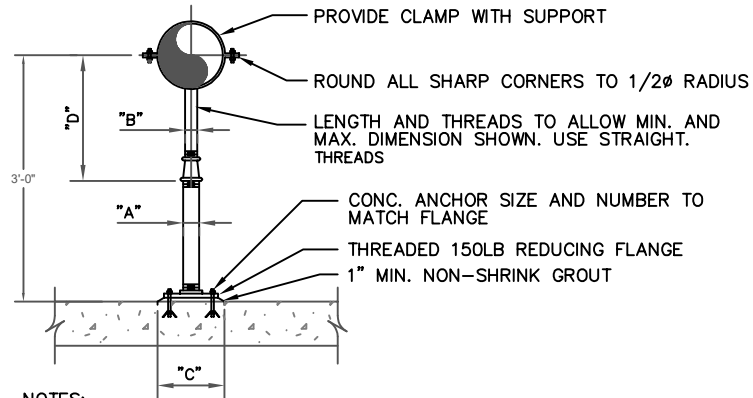
1. H-20 LOADING
2. SUBMERGENCE DEPTH OF 8 FEET.
3. NO HORIZONTAL JOINTS. THROUGH THE PIPE OPENINGS.
4. WATER STOP @ WALL/FLOOR JOINT.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

4-INCH WATER METER VAULT

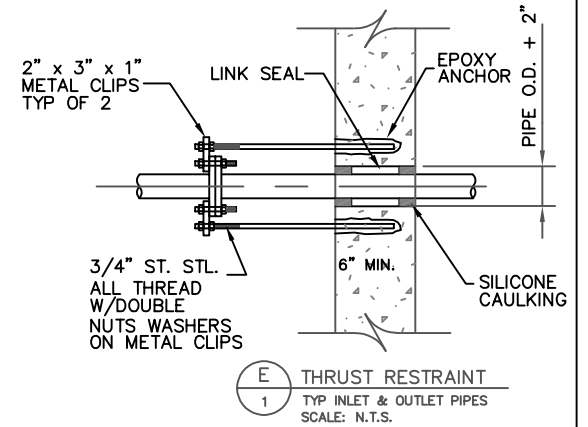
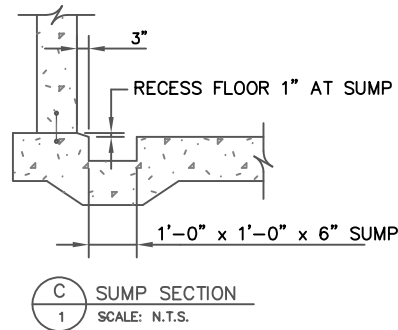
DEPARTMENT		
ENGINEERING		
STANDARD DETAIL	REVISION	DRAWING NO.
12	2025	1 OF 2



NOTES:

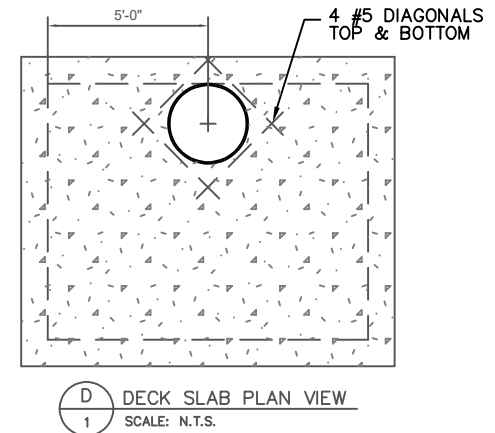
1. HOT DIP GALVANIZE AFTER FABRICATION.
2. PIPE SHALL BE SCHEDULE 40.

F
1 ADJUSTABLE PIPE SUPPORT
N.T.S.



ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE					
DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D	
				MINIMUM	MAXIMUM
*2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2

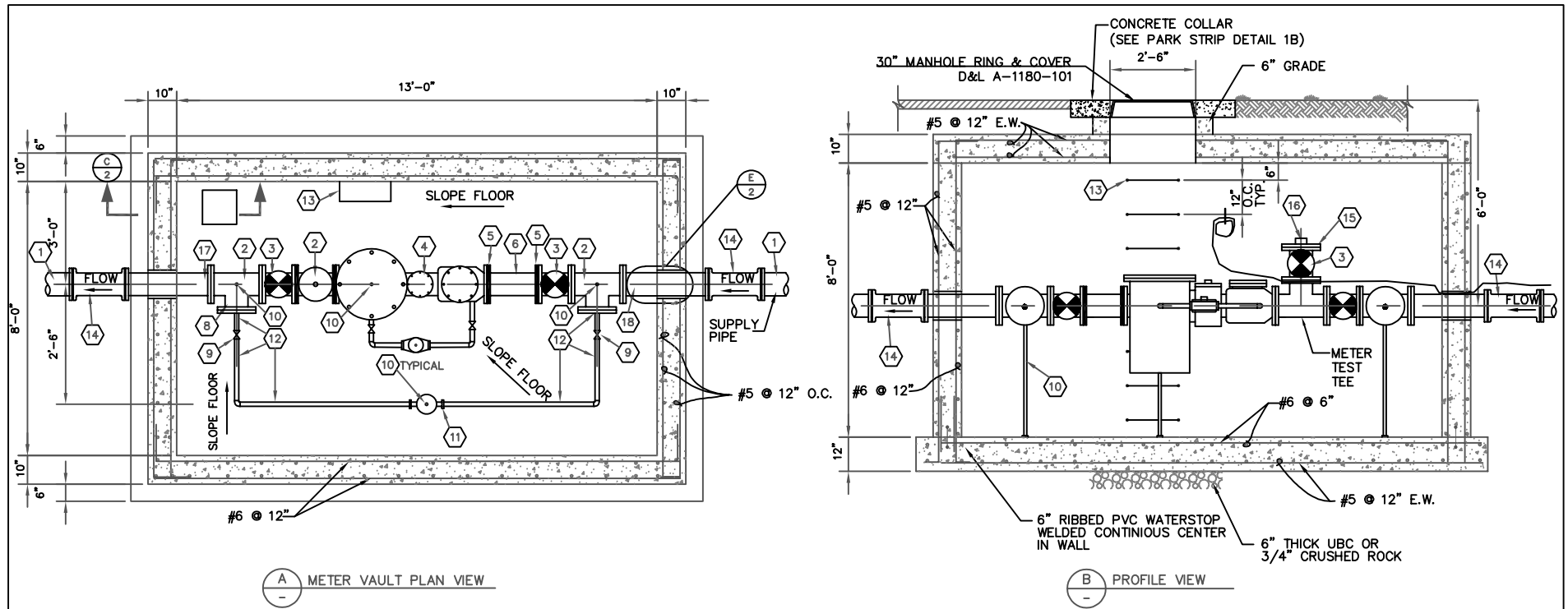
* USE 2 1/2" SUPPORTS FOR PIPE LESS THAN 2 1/2"Ø



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

4-INCH WATER METER VAULT

DEPARTMENT		
ENGINEERING		
STANDARD DETAIL	REVISION	DRAWING NO.
12	2025	2 OF 2



MARK	QUANTITY	DESCRIPTION
1	2	FL REDUCER IF REQ'D.
2	3	8" OR 10" FL TEE
3	3	8" OR 10" FL GATE VALVE
4	1	METER BY MAGNA WATER DISTRICT
5	2	8" OR 10" VICTAULIC FLANGE ADAPTOR
6	1	8" OR 10" x 1'-0" LONG GROOVED END DI PIPE (CLASS 55 MIN.)
7	1	NOT USED
8	2	8" OR 10" FL x 1 1/2" THREADED
9	2	1 1/2" THREADED BALL VALVE

MARK	QUANTITY	DESCRIPTION
10	4	PIPE SUPPORT
11	1	1 1/2" FL BYPASS METER BY MAGNA WATER DISTRICT
12	-	1 1/2" COPPER PIPE
13	-	POLYPROPYLENE MANHOLE STEPS
14	2	MJ SOLID SLEEVES W/ MEGA LUG RESTRAINTS
15	1	8" OR 10" FL x 4" THREADED
16	1	4" THREADED BRASS PLUG
17	1	8" OR 10" FL x PE DI PIPE
18	1	8" OR 10" FL x PE DI PIPE

NOTE:

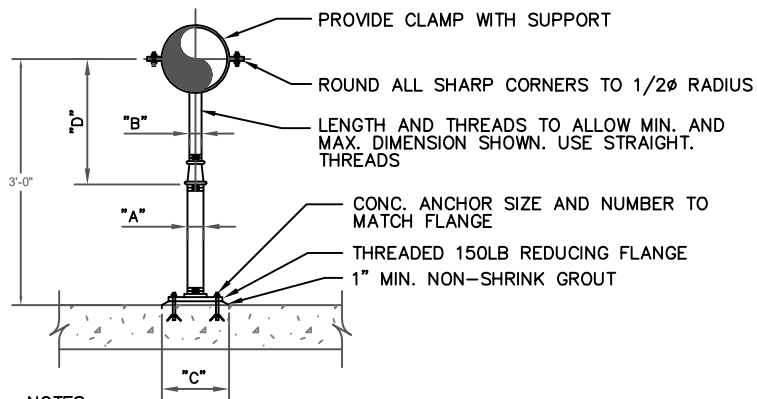
- CAST-IN-PLACE BOX SHOWN. PRECAST BOX ALTERNATE SUBJECT TO FOLLOWING:
1. H-20 LOADING
 2. SUBMERGENCE DEPTH OF 8 FEET.
 3. NO HORIZONTAL JOINTS. THROUGH THE PIPE OPENINGS.
 4. WATER STOP @ WALL/FLOOR JOINT.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

8 & 10-INCH WATER METER VAULT

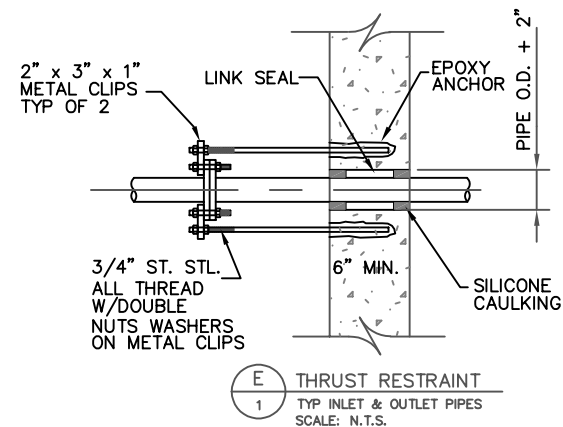
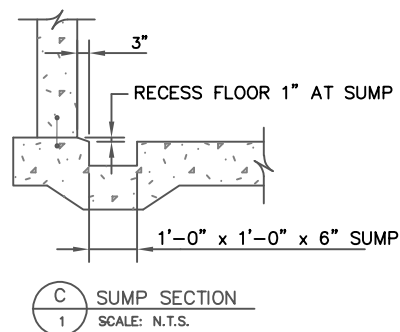
DEPARTMENT		
ENGINEERING		
STANDARD DETAIL	REVISION	DRAWING NO.
13	2025	1 OF 2



NOTES:

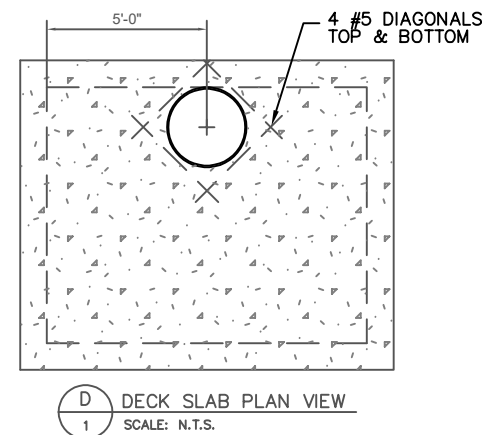
1. HOT DIP GALVANIZE AFTER FABRICATION.
2. PIPE SHALL BE SCHEDULE 40.

F
1 ADJUSTABLE PIPE SUPPORT
N.T.S.



ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE					
DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D	
				MINIMUM	MAXIMUM
*2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2

* USE 2 1/2" SUPPORTS FOR PIPE LESS THAN 2 1/2"Ø



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

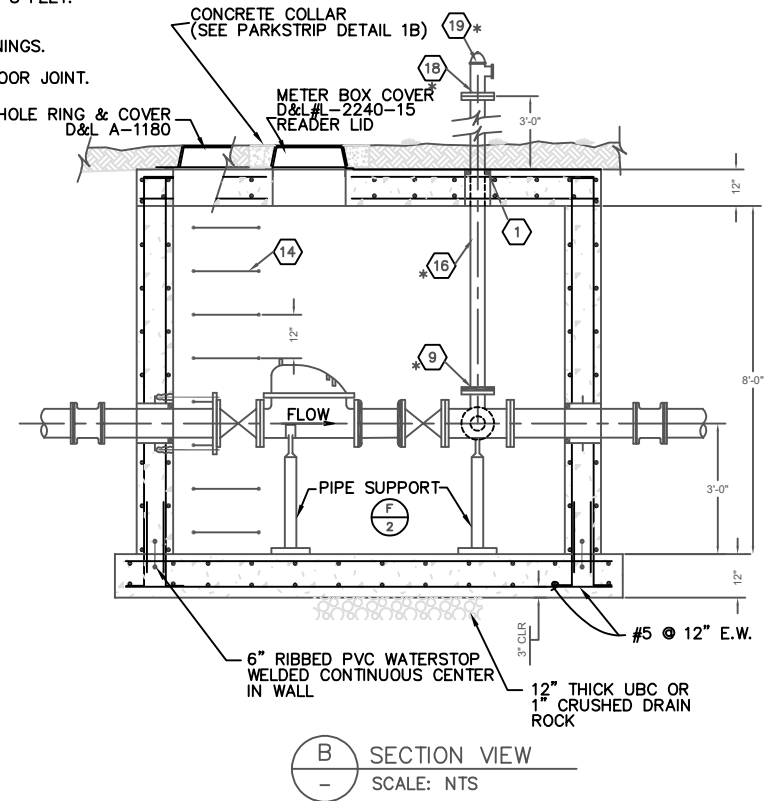
8 & 10-INCH WATER METER VAULT


DEPARTMENT		
ENGINEERING		
STANDARD DETAIL	REVISION	DRAWING NO.
13	2025	2 OF 2

DESIGN CRITERIA
-LOADING: H-20
-WATER LEVEL @ SURFACE

CAST-IN-PLACE BOX SHOWN. PRECAST BOX
ALTERNATE SUBJECT TO FOLLOWING:

1. H-20 LOADING
2. SUBMERGENCE DEPTH OF 8 FEET.
3. NO HORIZONTAL JOINTS.
THROUGH THE PIPE OPENINGS.
4. WATER STOP @ WALL/FLOOR JOINT.



MARK	DESCRIPTION	MARK	DESCRIPTION	MARK	DESCRIPTION
1	GALV. PIPE SLEEVE WITH 3" SEEP RING AND "LINK SEAL"	10	GROOVED END PIPE	15	MJ SOLID SLEEVE W/MEGA LUG RESTRAINTS
2	THRUST RESTRAINTSEE 	11	8"x8"x4" OR 6"x6"x4" FL TEE	16	4" FLxGROOVED END PIPE
3	FLxPE PIPE	12	4" SWING CHECK VALVE FLANGED (BRONZED FITTED)	17	PIPE SUPPORT
4	GATE VALVE FLANGED	13	FL BASE 90° BEND	18	4" BLIND FLANGE W/THREADED HOLE & THREADED NIPPLE
5	DETECTOR CHECK VALVE FLANGED, BRONZE FITTED W/ BY PASS METER	14	POLYPROPYLENE MH STEPS @ 12" O.C.	19	2 1/2" x 2 1/2" x 4" BRONZE 90° FIRE DEPARTMENT CONNECTION
6	3/4" BALL VALVE SCREWED				
7	3/4" SERVICE METER W/TOUCH READ (BY DISTRICT)				
8	3/4" BRASS PIPING SCREWED				
9	GROOVED FLANGED ADAPTOR, OR BLIND FLANGE				



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

6" & 8" FIRE FLOW DETECTOR

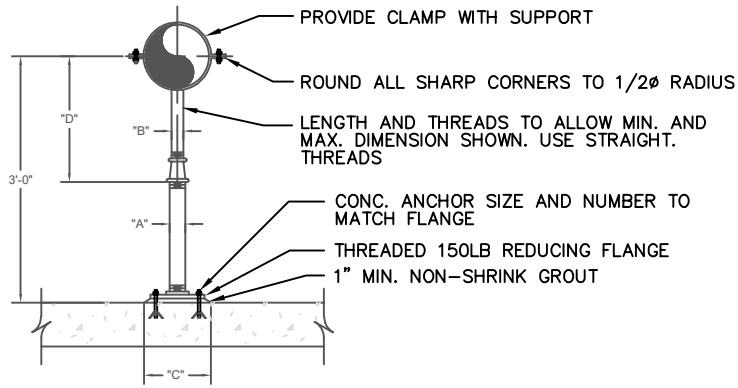
DEPARTMENT

ENGINEERING

STANDARD DETAIL
14

REVISION
2025

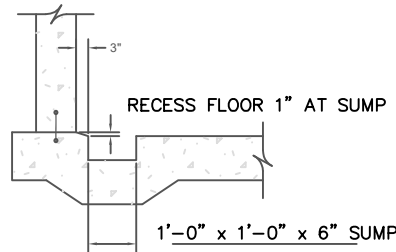
DRAWING NO.
1 OF 2



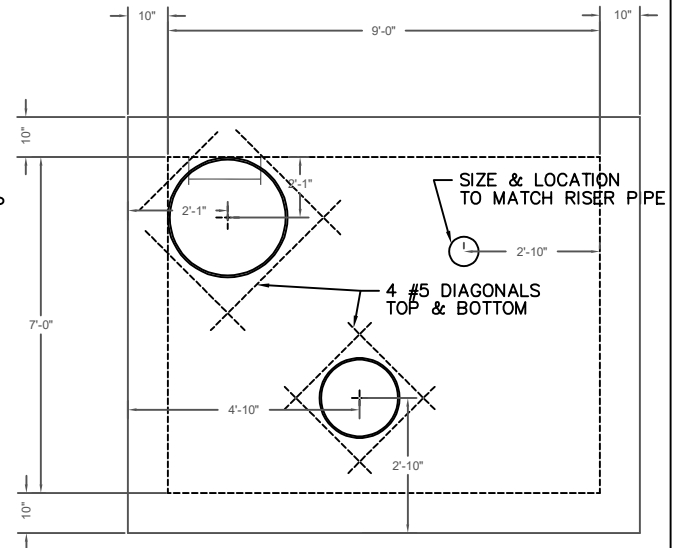
NOTES:

1. HOT DIP GALVANIZE AFTER FABRICATION.
2. PIPE SHALL BE SCHEDULE 40.

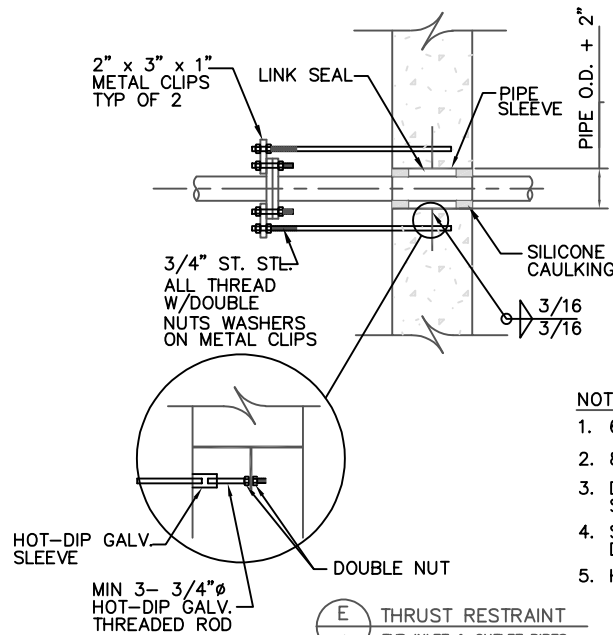
(F) ADJUSTABLE PIPE SUPPORT
1 N.T.S.



(C) SUMP SECTION
1 SCALE: 1/2" = 1'-0"



(D) DECK SLAB PLAN VIEW
1 SCALE: 1/4" = 1'-0"



(E) THRUST RESTRAINT
1 TYP INLET & OUTLET PIPES
SCALE: 3/4" = 1'-0"

NOTES:

1. 6" & SMALLER = SCH 40 STL PIPE
2. 8" & SMALLER = 1/4" THICK STL PIPE
3. DIA. OF SLEEVE AS PER LINK SEAL MANUFACTURE REC.
4. SEEP RING = 1/4" THICK STL PLATE DIA. AS REQ'D.
5. HOT-DIP GALVANIZE SLEEVE AFTER FABRICATION

ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE					
DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D	
				MINIMUM	MAXIMUM
*2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2

* USE 2 1/2" SUPPORTS FOR PIPE LESS THAN 2 1/2"Ø



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

6" & 8" FIRE FLOW DETECTOR

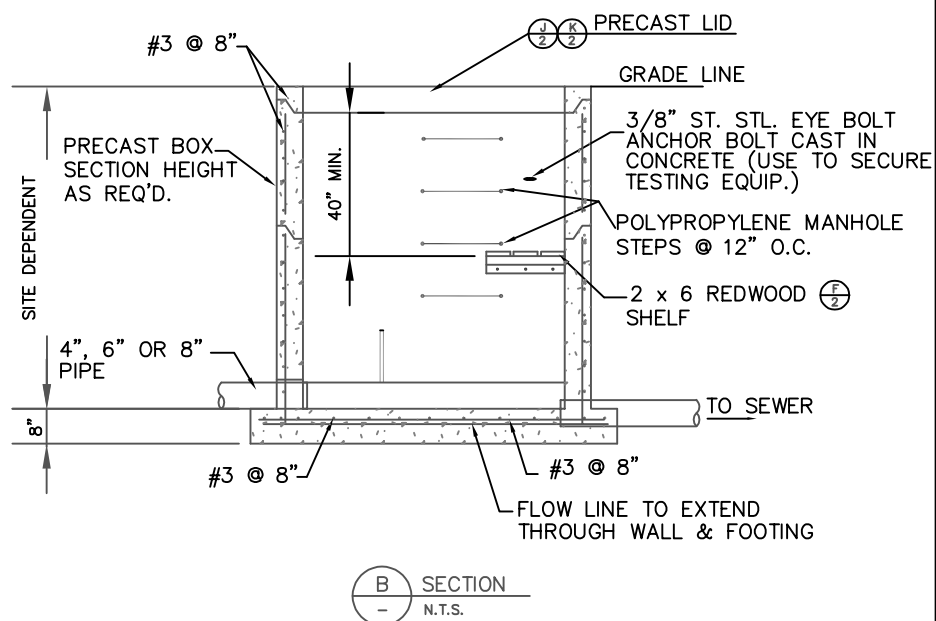
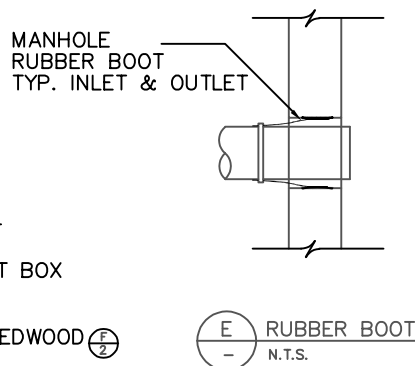
DEPARTMENT

ENGINEERING

STANDARD DETAIL
14

REVISION
2025

DRAWING NO.
2 OF 2



- NOTES:
1. WALLS & FLOOR
POURED MONOLITHIC
 2. USE MASTIC AT
PRECAST JOINTS.
 3. ALL JOINTS TO BE
WATER TIGHT.



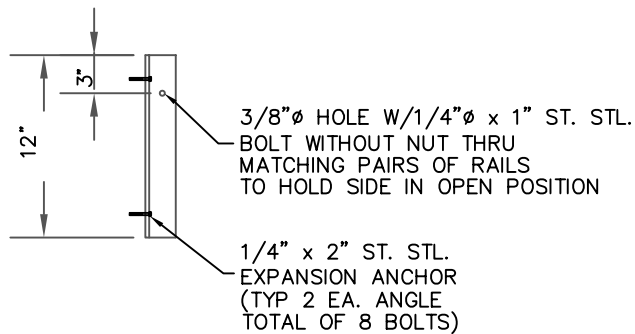
8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

SAMPLE VAULT

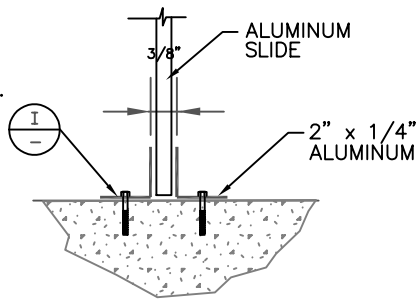
DEPARTMENT
ENGINEERING

STANDARD DETAIL
15REVISION
2025

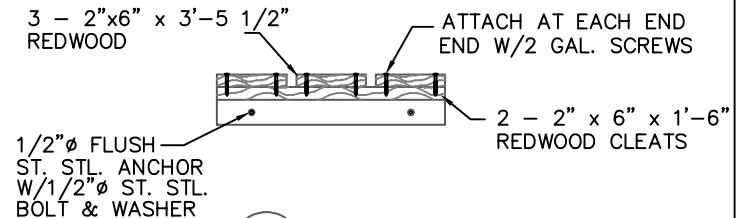
DRAWING NO.
1 OF 2



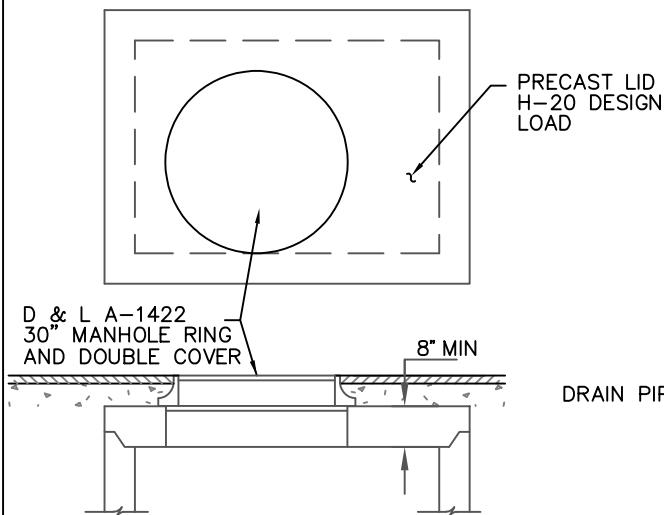
I ALUMINUM SLIDE RAILS
1 N.T.S. (TYP OF 4)



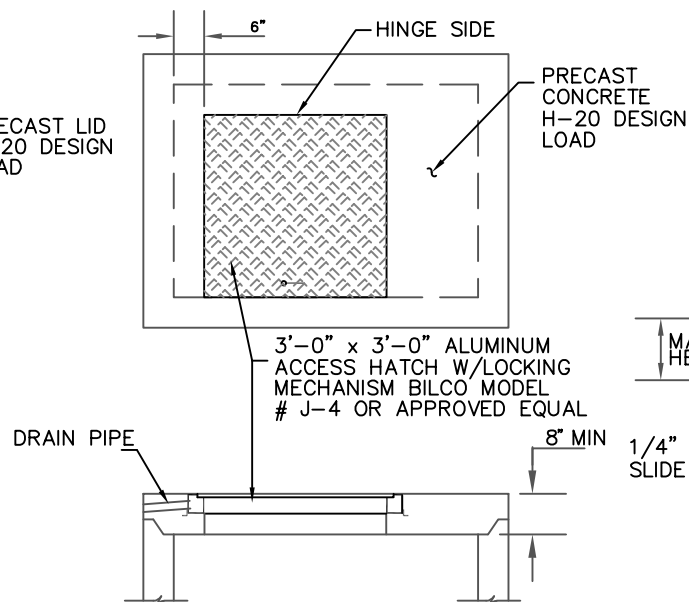
H DETAIL
1 N.T.S.



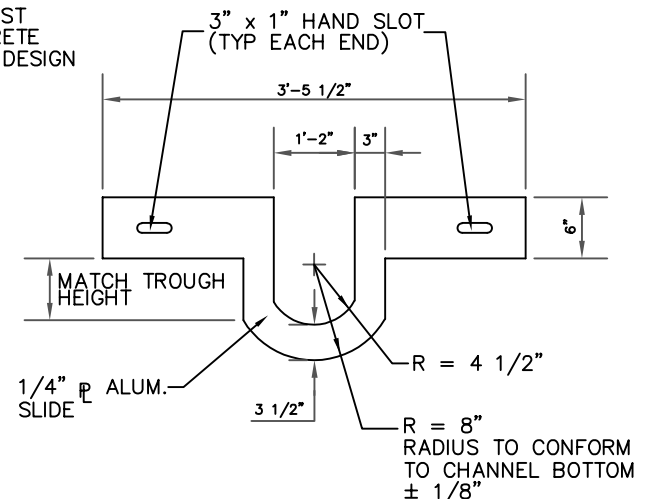
F SECTION
1 N.T.S.



J TRAVELED LID
1 N.T.S.



K NON TRAVELED LID
1 N.T.S.



G ALUMINUM SLIDE
1 N.T.S.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

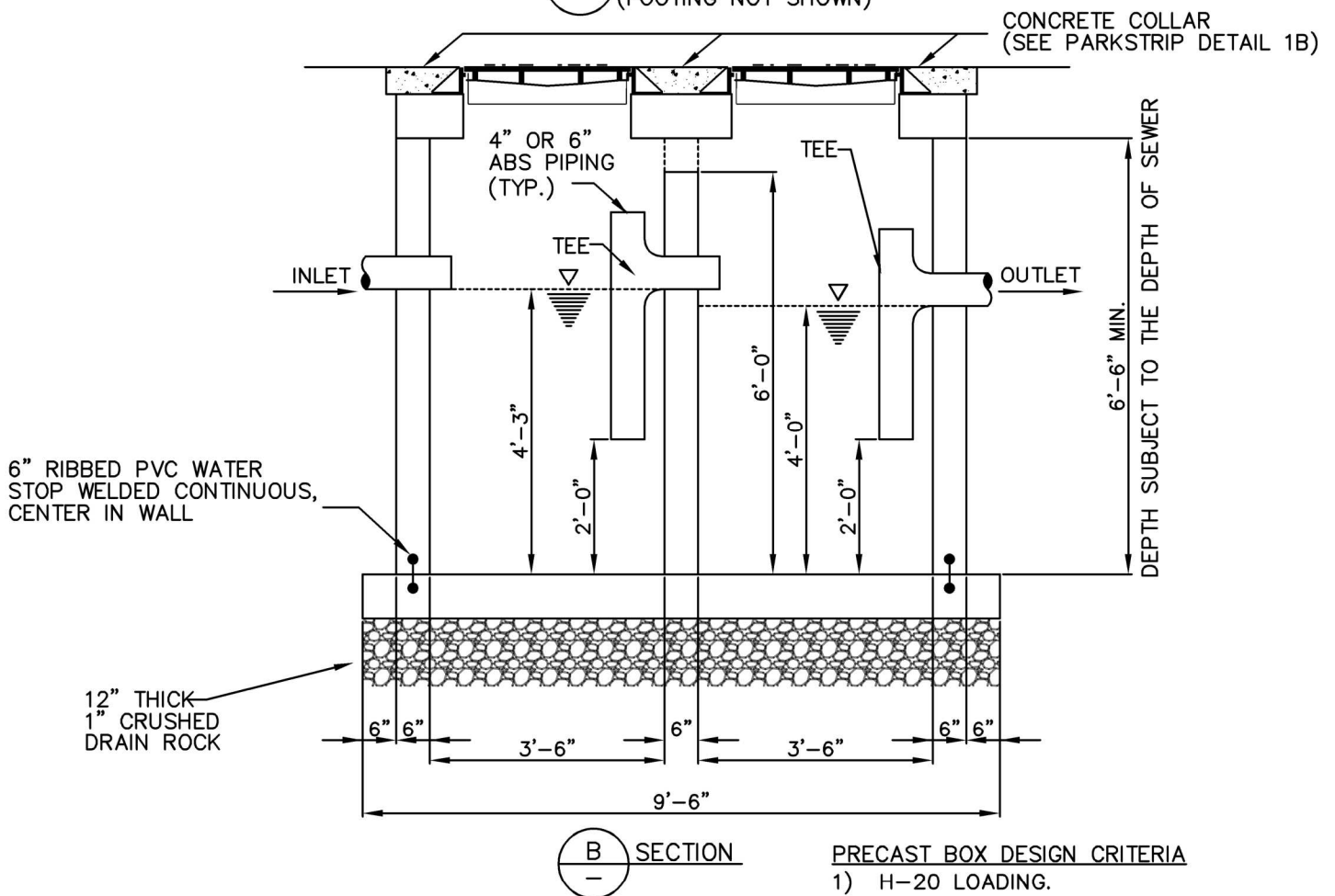
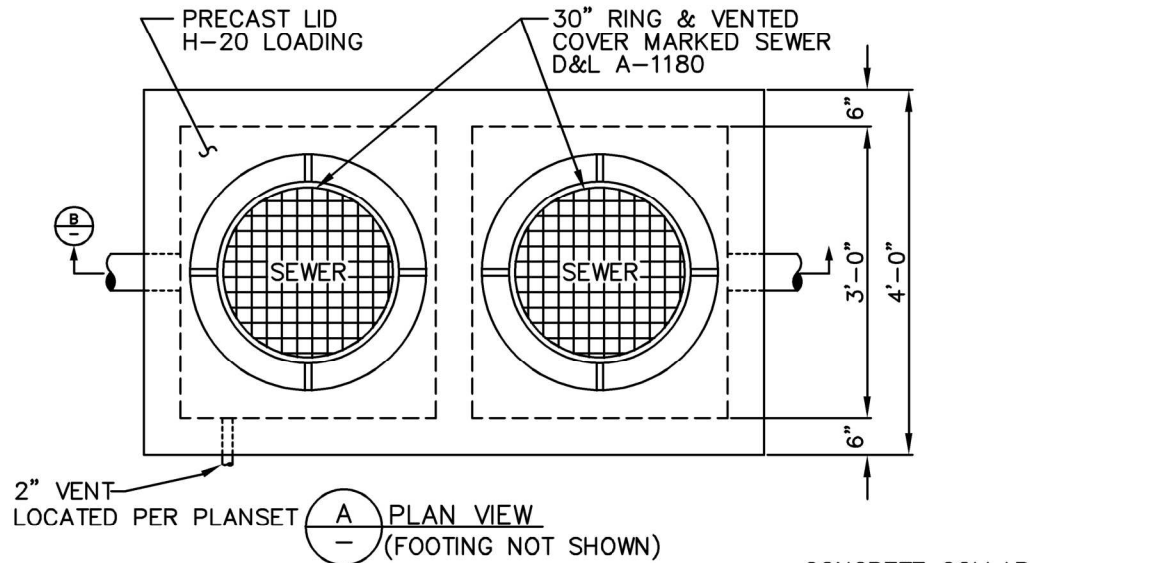
SAMPLE VAULT

DEPARTMENT
ENGINEERING

STANDARD DETAIL
15

REVISION
2025

DRAWING NO.
2 OF 2



PRECAST BOX DESIGN CRITERIA

- 1) H-20 LOADING.
- 2) WALLS SUBJECT TO SUBMERGENCE DEPTH OF 8 FEET.
- 3) NO HORIZONTAL JOINTS THROUGH THE PIPE OPENINGS.
- 4) WATERSTOP AT WALL/FLOOR JOINTS.
- 5) 2" VENT THROUGH SIDE WALL

OIL & GREASE SEPARATOR
800 TO 1000 GALLON CAPACITY



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

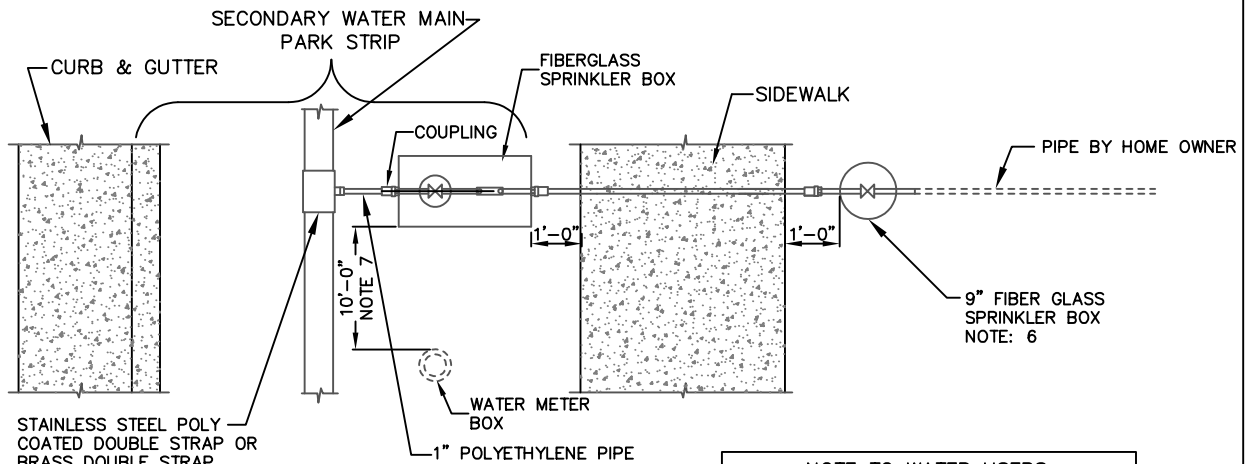
OIL & GREASE SEPARATOR

DEPARTMENT

ENGINEERING

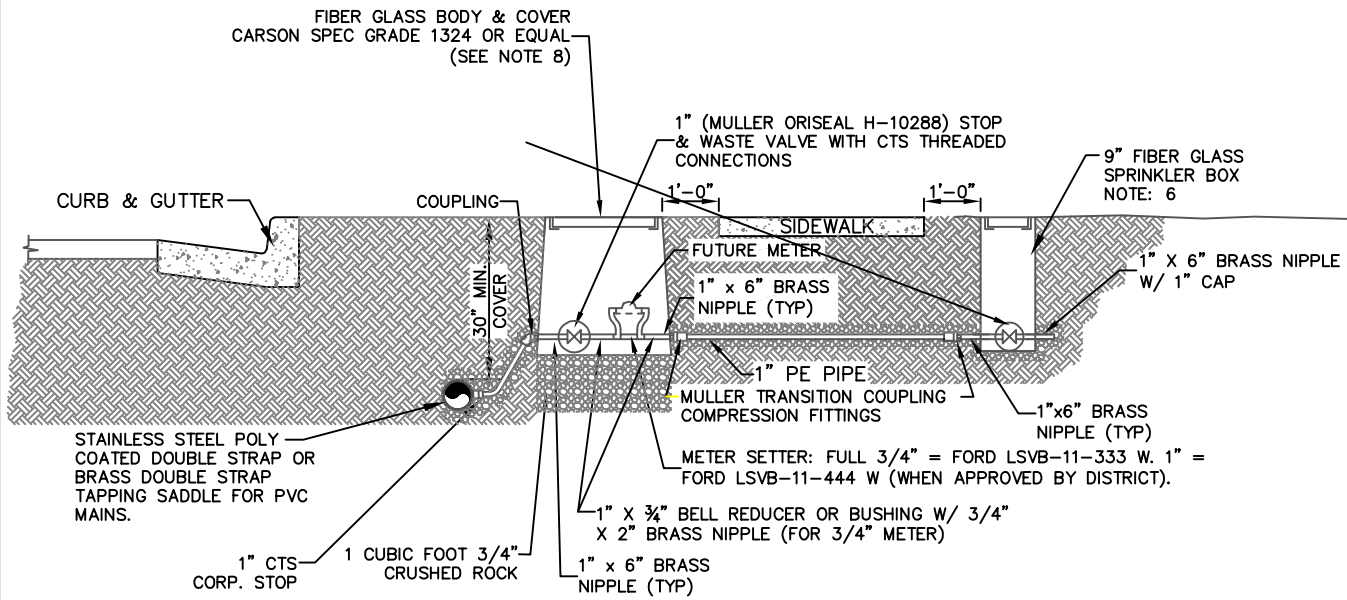
STANDARD DETAIL
16

REVISION
2025



PLAN VIEW

NOTE TO WATER USERS
MAGNA WATER COMPANY RECOMMENDS
PRIVATE WATER USERS INSTALL FILTERS
DUE TO THE NATURE OF SECONDARY WATER



ELEVATION

NOTES:

- 1) SERVICES MAY BE TUNNELED OR JETTED UNDER CURB & GUTTER, DRIVEWAYS, OR SIDEWALKS.
- 2) POLYETHYLENE PIPE SHALL BE SDR-9-PE 3408 MANUFACTURED TO MEET THE REQUIREMENTS OF ASTM D-2737. ALL PIPE SHALL BE COLORED PURPLE.
- 3) ALL PVC MAIN LINE OR PE SERVICE PIPE SHALL BE INSTALLED WITH LOCATOR TAPE OR WIRE.
- 4) MINIMUM DISTANCE BETWEEN SERVICE TAPS SHALL BE 24" OFF CENTER.
- 5) METER SHALL BE SUPPLIED BY MAGNA WATER DISTRICT.
- 6) SHALL BE SPECIFICATION GRADE VALVE BOX 10" TOP 13" BOTTOM X 10 1/4" DEEP OR EQUIVALENT SIZE.
- 7) MAXIMUM DISTANCE BETWEEN METER BOXES SHALL BE 10'-0" UNLESS APPROVED BY MAGNA WATER DISTRICT.
- 8) INSTALL CONCRETE METER BOX IN TRAFFICKED AREAS AS DETERMINED BY THE DISTRICT INSPECTOR

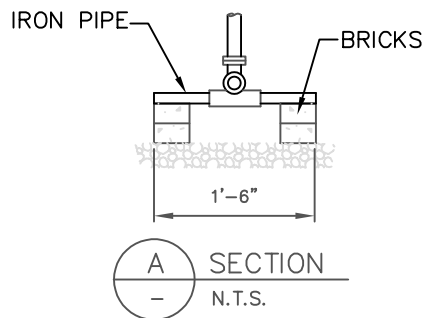
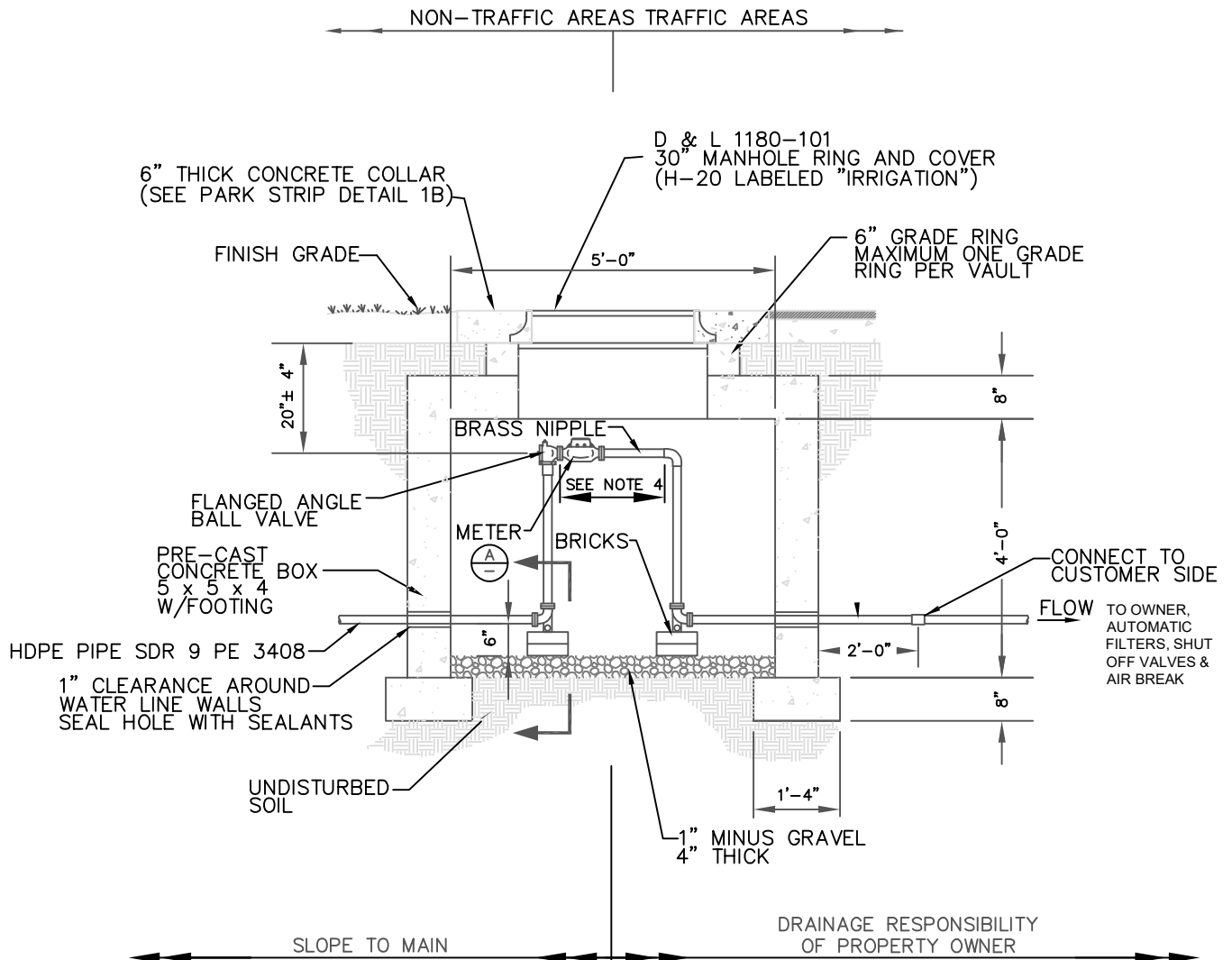
WATER METER SETTER	
METER SIZE	MUELLER MODEL #
3/4"	250B2418-R-09N
1"	330B2418-R-09N



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

SECONDARY SINGLE WATER SERVICE CONNECTION DETAIL

DEPARTMENT ENGINEERING	
STANDARD DETAIL 17	REVISION 2025



NOTES:

1. ALL WORK MUST BE INSPECTED BY MAGNA WATER DISTRICT PRIOR TO BACKFILL.
2. CENTER MANHOLE OVER THE METER.
3. METER SUPPLIED BY MAGNA WATER DISTRICT.
4. METER LAYING LENGTH AS PER TABLE.
5. INSTALL TRACER WIRE FROM MAIN TO METER SETTER

WATER METER SETTER		
METER SIZE	FORD MODEL #	MUELLER MODEL #
1 1/2"	VB76-24-44-66	B-2422
2"	VB77-24-44-77	B-2422

METER SIZE	LAYING LENGTH
1 1/2" TURBINE METER	13 1/4"
2" TURBINE METER	17 1/4"



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

SECONDARY WATER 1-1/2" & 2" METER VAULT

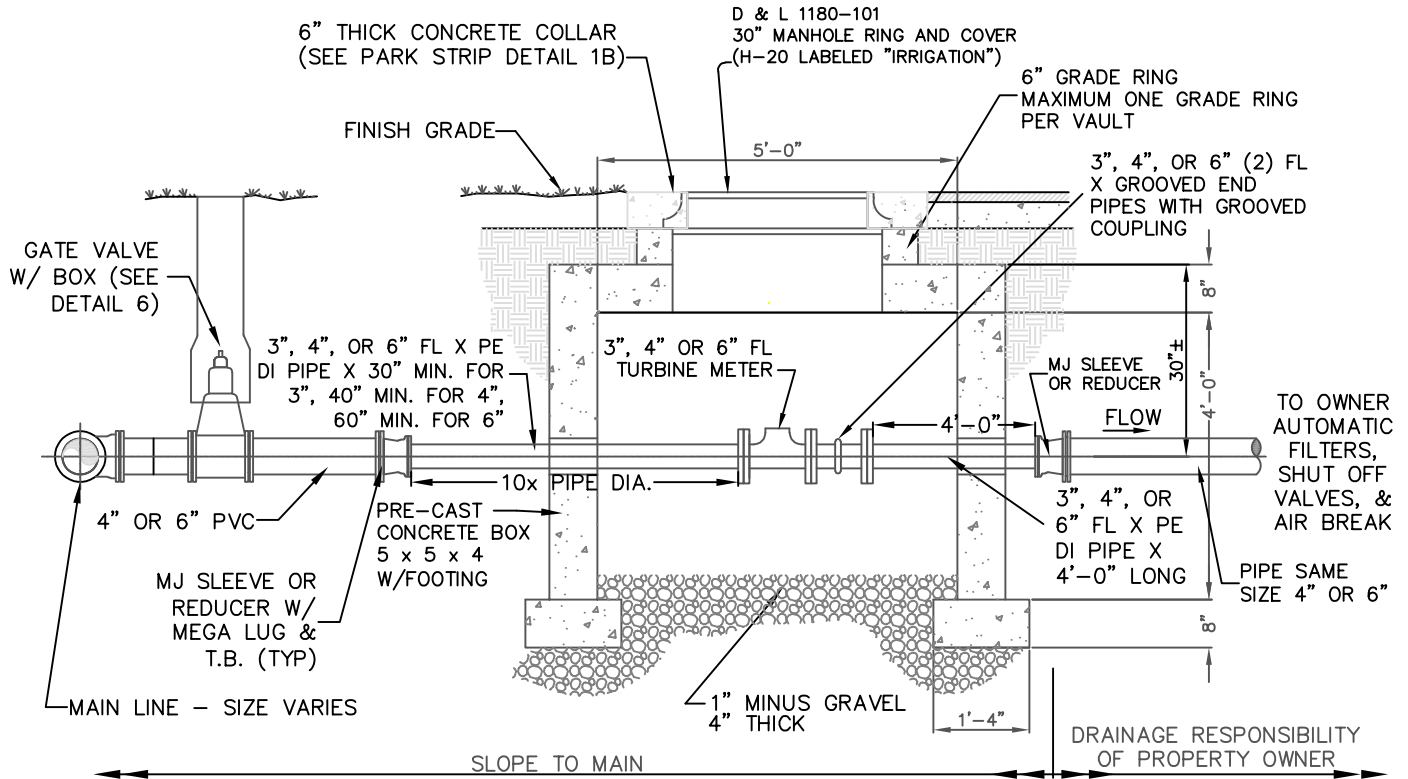
DEPARTMENT	
ENGINEERING	
STANDARD DETAIL	REVISION
18	2025

NOTES:

1. ALL WORK MUST BE INSPECTED BY MAGNA WATER DISTRICT PRIOR TO BACKFILL.
2. CENTER MANHOLE OVER THE METER.
3. METER SUPPLIED BY MAGNA WATER DISTRICT.
4. METER LAYING LENGTH AS PER TABLE.

METER SIZE	LAYING LENGTH
3" TURBINE METER	10"
4" TURBINE METER	14"
6" TURBINE METER	18"

5. BOLTS TO BE CADMIUM PLATED.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

SECONDARY WATER 3", 4" OR 6" METER VAULT

DEPARTMENT

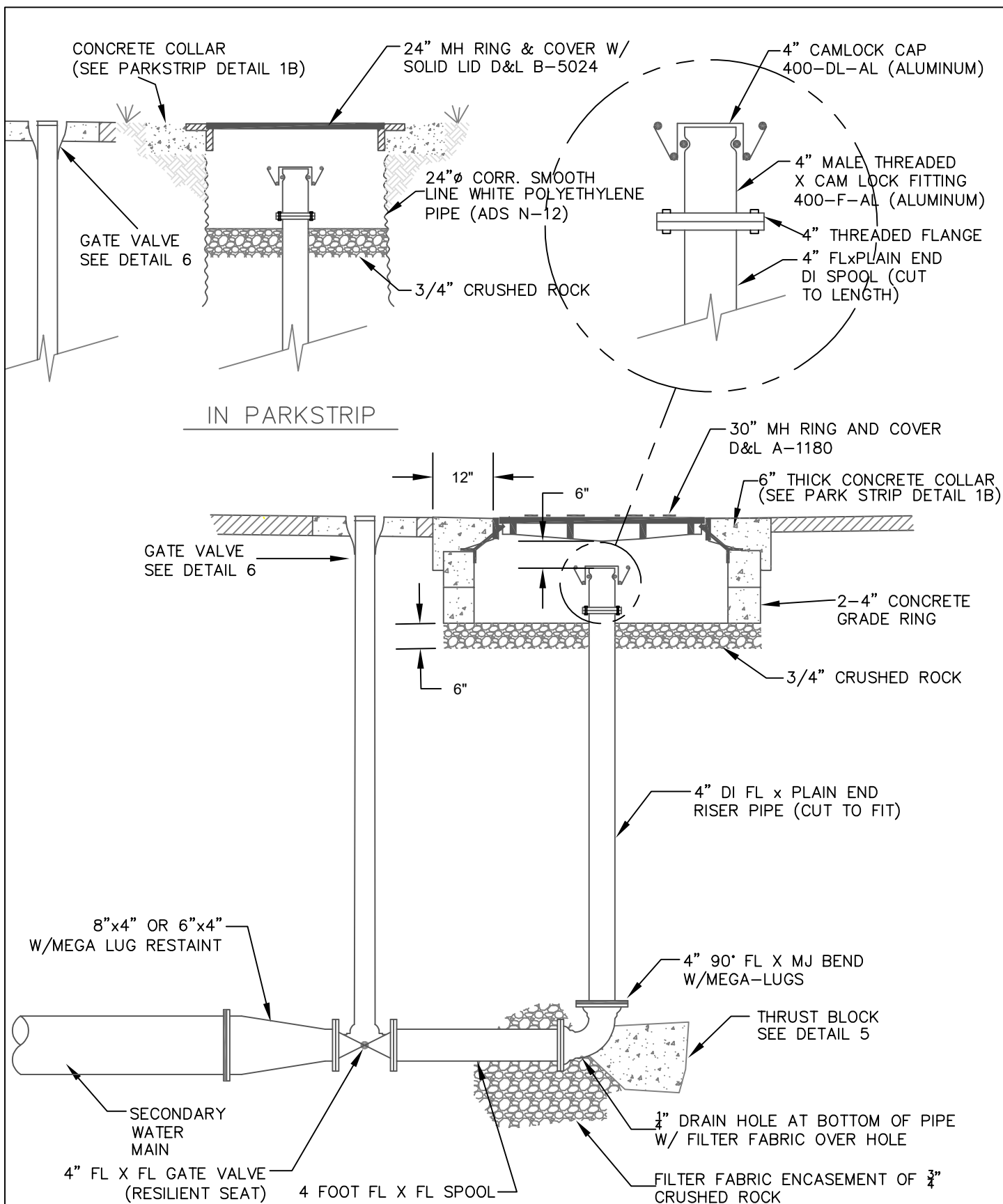
ENGINEERING

STANDARD DETAIL

19

REVISION

2025



NOTE:

- * REDUCER SIZE ACCORDING TO SIZE OF MAIN
- ** ALL JOINTS TO BE MEGA-LUGGED.
- *** BLOW-OFFS SHALL BE INSTALLED ON BOTH ENDS OF DRY MAIN
- **** MAY ONLY BE USED AS A PERMANENT BLOW OFF IF THE MAIN LINE IS 8" OR LESS

IN ASPHALT



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

4" BLOW-OFF

DEPARTMENT

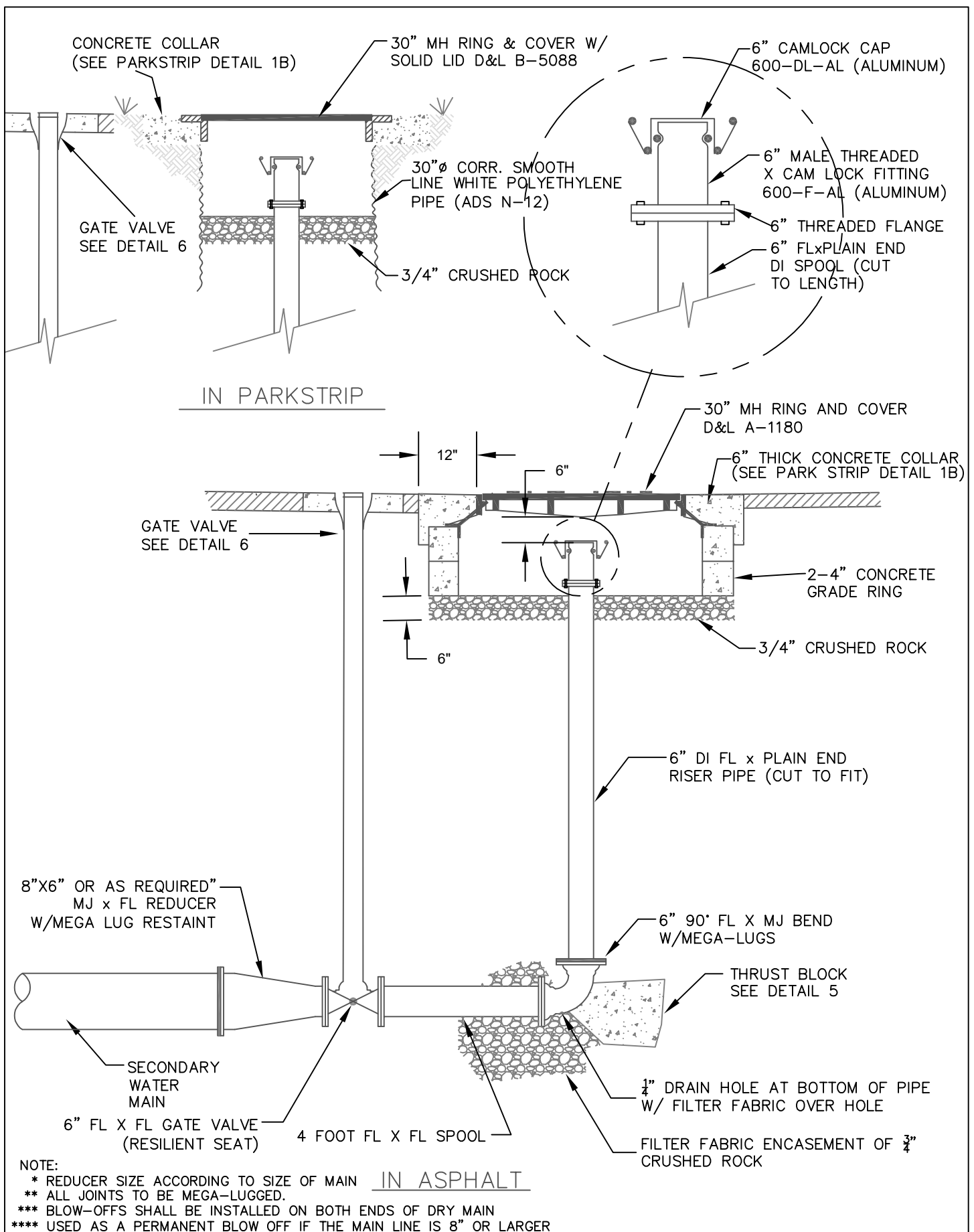
ENGINEERING

STANDARD DETAIL

20

REVISION

2025



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

6" BLOW-OFF

DEPARTMENT

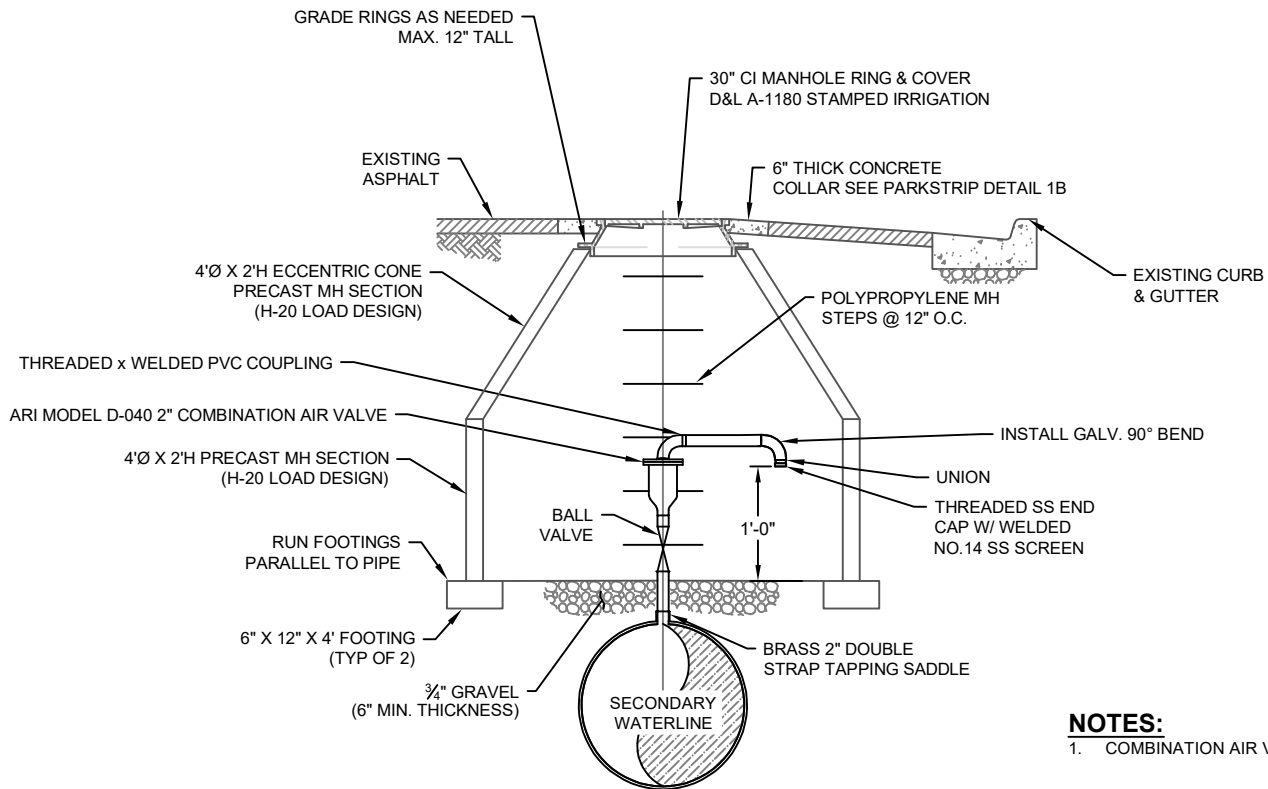
ENGINEERING

STANDARD DETAIL

21

REVISION

2025



NOTES:

1. COMBINATION AIR VALVE TO BE SIZED BY DISTRICT ENGINEER



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

**SECONDARY WATER AIR
VAC VALVE**

DEPARTMENT

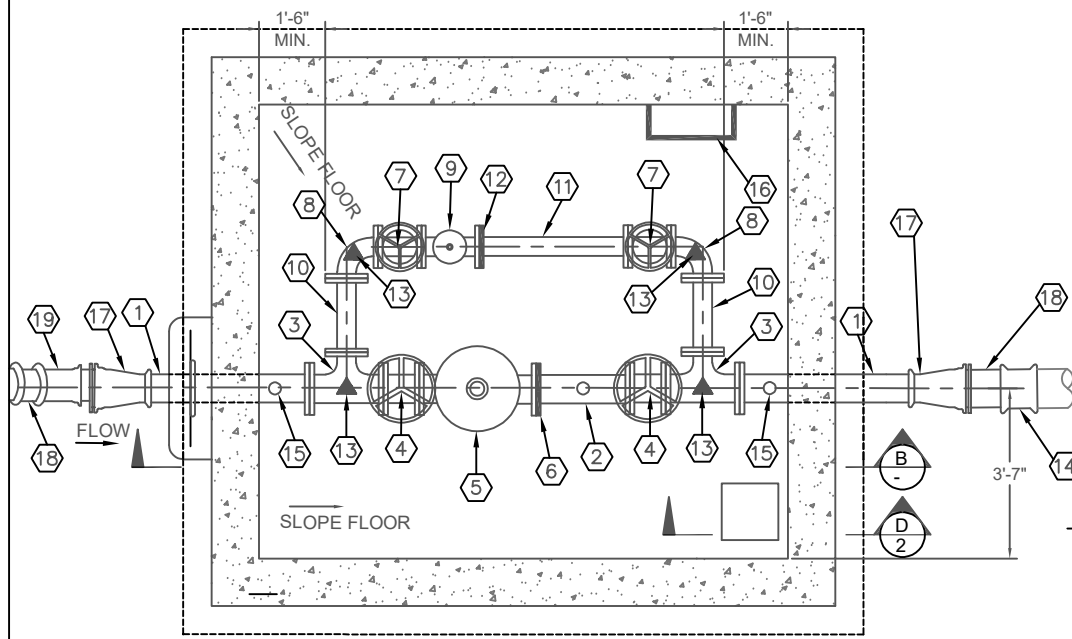
ENGINEERING

STANDARD DETAIL

23

REVISION

2025



(A) PRV VAULT PLAN VIEW
- N.T.S.

PIPE & FITTING VARIABLES		
X	MAIN DIAMETER	___"
Y	HIGH FLOW PRV	___"
Z	LOW FLOW PRV	___"

*DETERMINED BY DISTRICT ENGINEER

MARK	QUANTITY	DESCRIPTION
1	2	Y" FL x PE DI PIPE
2	1	Y" FL x GE SPOOL
3	2	Y" x Z" FL TEE
4	2	Y" FL GATE VALVE
5	1	Y" FL PRV (OWNER SUPPLIED)
6	1	Y" FL x GE ADAPTER
7	2	Z" FL GATE VALVE
8	2	Z" FL 90° BEND
9	1	Z" FL PRV (OWNER SUPPLIED)
10	2	Z" FL SPOOL

MARK	QUANTITY	DESCRIPTION
11	1	Z" FL x GE SPOOL
12	1	Z" FL x GE ADAPTER
13	4	PIPE SUPPORT (5)
14	1	X" MJ SOLID SLEEVE W/ M.L.
15	2	PRESSURE GAUGE DETAIL (5)
16	-	POLYPROPYLENE MANHOLE STEPS (12" O.C.)
17	2	X" x Y" MJ REDUCER W/ M.L.
18	1	X" DI SPOOL
19	2	X" MJ 45° BEND W/M.L.
20	X	XXX

MEG-A-LUG W/ CONCRETE THRUST BLOCK AS PER THE DEAD END BEARING AREA AS SPECIFIED IN THE TABLE ON STANDARD DETAIL 5

REMOVABLE LID WITH LIFTING ANCHORS

PROVIDE GRADE RINGS & ACCESSORIES TO INSTALL MH COVERS FLUSH W/ROADWAY

D&L A-1180

SEPARATION JOINT AS NEEDED

6" RIBBED PVC WATERSTOP WELDED CONTINUOUS CENTER IN WALL

6" THICK UBC OR 3/4" CRUSHED ROCK COMPACT TO 95% OF MAX DRY DENSITY

(B) PROFILE VIEW
- N.T.S.

NOTES:

- PRECAST BOX SUBJECT TO FOLLOWING:
 - H-20 LOADING
 - SUBMERGENCE DEPTH OF 8 FEET
 - NO HORIZONTAL JOINTS THROUGH THE PIPE OPENINGS.
 - WATER STOP @ WALL/FLOOR JOINT.
- FLANGES TO BE 250 PSI ANSI FLANGES
- ALL BOLTS TO BE STAINLESS STEEL
- VAULT DIMENSIONS DESIGNED BY DISTRICT ENGINEER



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

PRV STATION

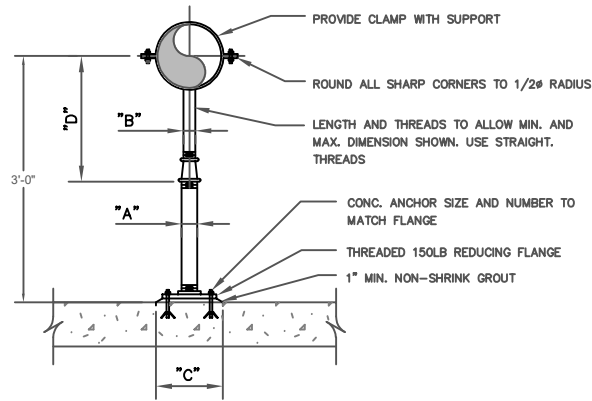
DEPARTMENT

ENGINEERING

STANDARD DETAIL
24

REVISION
2025

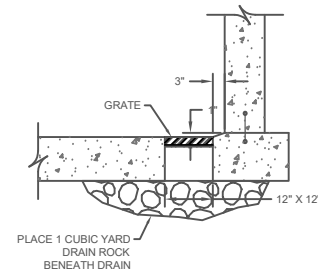
DRAWING NO.
1 OF 2



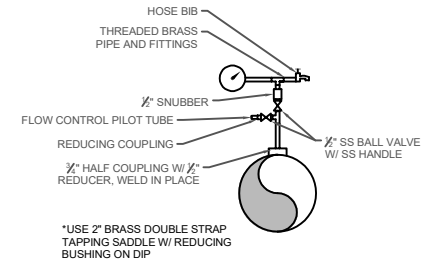
NOTES:

1. HOT DIP GALVANIZE AFTER FABRICATION.
2. PIPE SHALL BE SCHEDULE 40.

C
1
ADJUSTABLE PIPE SUPPORT
N.T.S.



D
1
DRAIN SECTION
N.T.S.

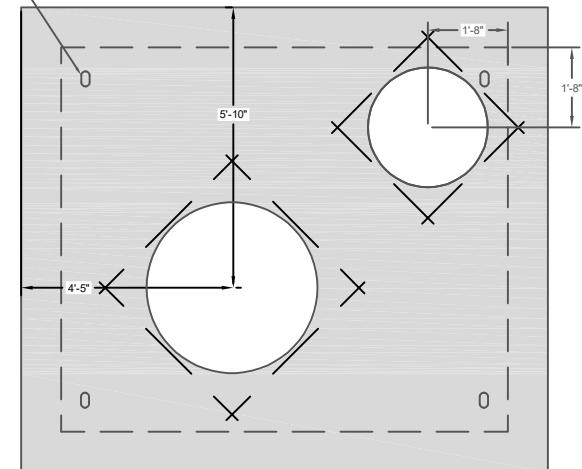


E
1
PRESSURE GAUGE DETAIL
N.T.S.

ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE					
DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D	
				MINIMUM	MAXIMUM
*2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2

* USE 2 1/2" SUPPORTS FOR PIPE LESS THAN 2 1/2"

ANCHOR TO REMOVE LID (TYP)



F
1
DECK SLAB PLAN VIEW
N.T.S.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

PRV STATION

DEPARTMENT
ENGINEERING

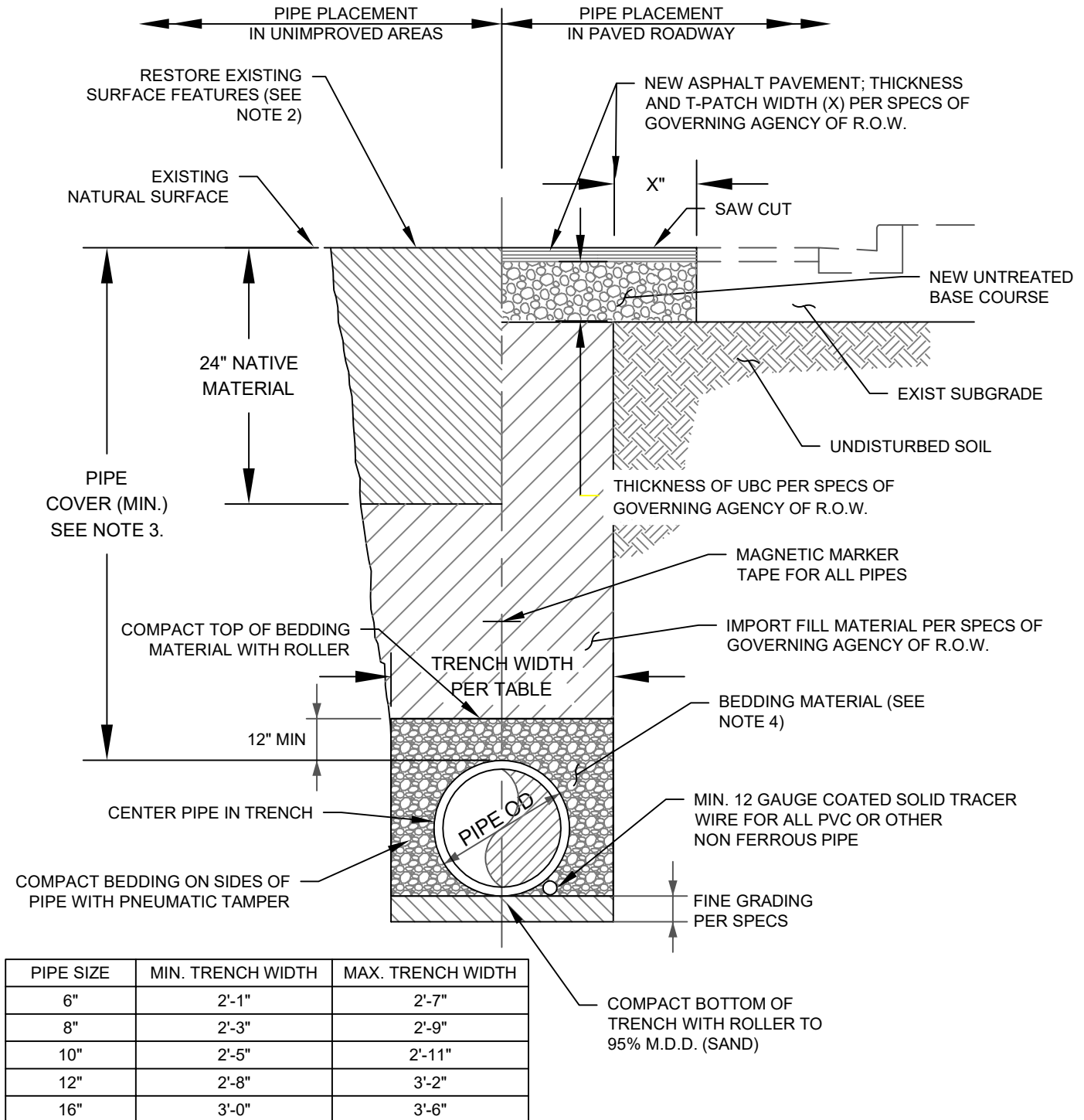
STANDARD DETAIL
24

REVISION
2025

DRAWING NO.
2 OF 2

NOTES:

1. SEE SPECS FOR SHORING REQUIREMENTS.
2. RESTORE ALL DISTURBED VEGETATION, LANDSCAPING, & OTHER SURFACE FEATURES.
3. CULINARY PIPE COVER MIN. OF 4'-0"
SECONDARY PIPE COVER MIN. OF 2'-6"
SEWER PIPE COVER MIN. OF 6'-6"
4. BEDDING MATERIAL SHALL BE SAND FOR SECONDARY WATERLINES AND CULINARY WATERLINES;
BEDDING MATERIAL FOR SEWER PIPE SHALL BE $\frac{3}{4}$ " DRAIN ROCK
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL ENSURE THAT THE ENDS OF EACH SECTION OF CULINARY WATER PIPE HAVE BEEN SEALED BEFORE CREWS, LEAVE THE TRENCH AT THE END OF THE DAY, FOR LUNCH, OR FOR ANY OTHER EXTENDED PERIOD OF TIME. PLUGS SHALL BE RUBBER COMPRESSION, INFLATABLE, OR ANY OTHER METHOD APPROVED BY THE DISTRICT'S INSPECTOR.
6. PIPE MUST BE POLY WRAPPED WHEN GROUNDWATER IS PRESENT.



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

SEWER, CULINARY & SECONDARY PIPE TRENCH CROSS SECTION

DEPARTMENT

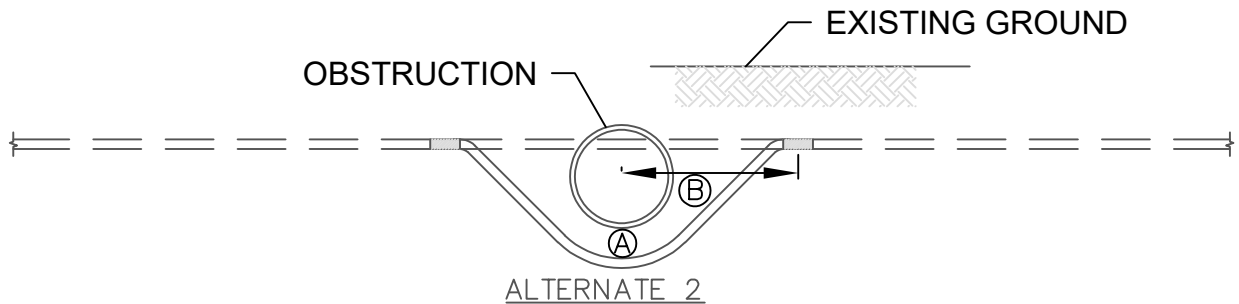
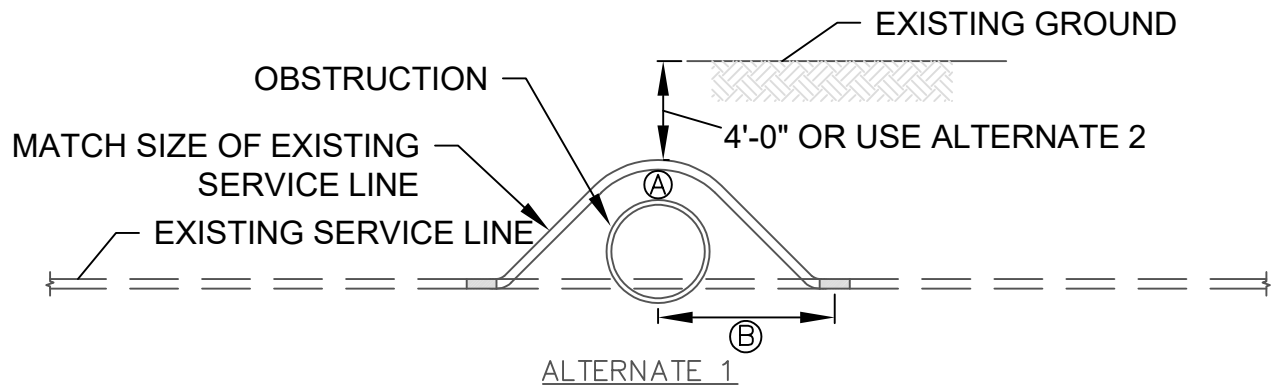
ENGINEERING

STANDARD DETAIL

25

REVISION

2025



TYPE A - WATER SERVICE LINE

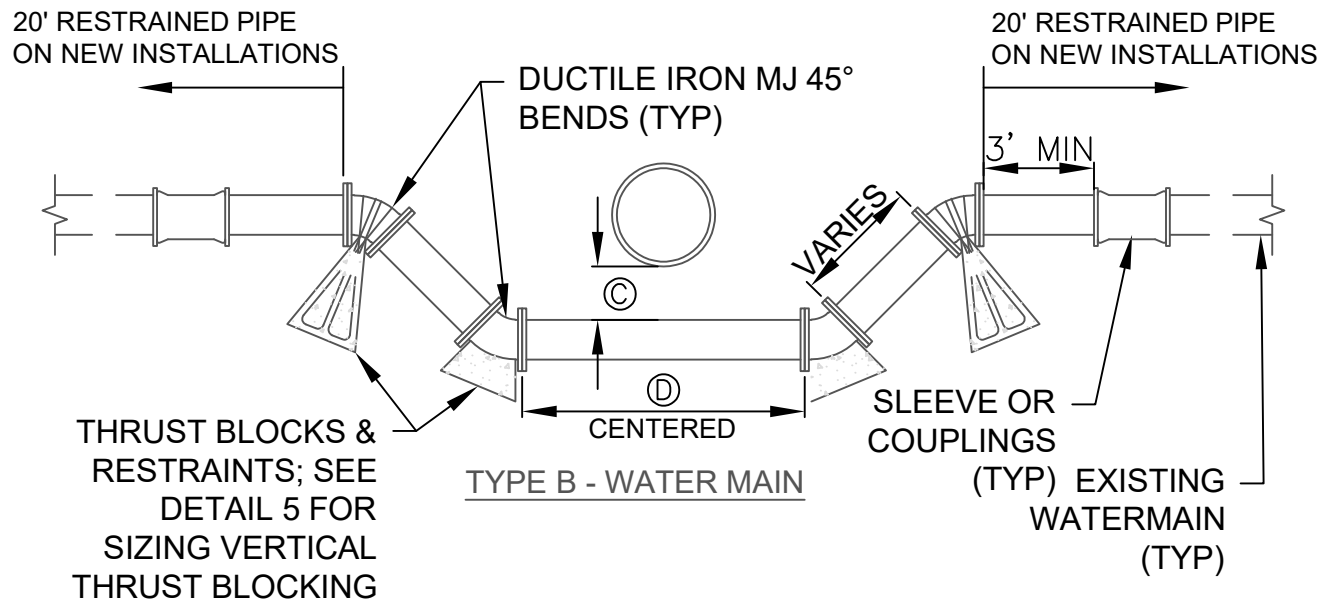


TABLE OF DIMENSIONS		
NO.	OBSTRUCTION	
	SEWER MAIN	OTHER
(A)	18"	2"
(B)	10'-0"	6"
(C)	18"	12" MIN.
(D)	FULL PIPE LENGTH	O.D. + 12"



8885 WEST 3500 SOUTH
MAGNA, UTAH, 84044
801-250-2118

PIPELINE LOOP

DEPARTMENT

ENGINEERING

STANDARD DETAIL
26

REVISION
2025

DIVISION OF DRINKING WATER

New public water system fee

The Division of Drinking Water (DDW) is starting a new fee to all public water systems based on how much water is used for domestic purposes.



Why is this fee necessary?

We are implementing this fee to offset declining federal funding for the Clean Drinking Water Program. We will use this to ensure that Utahns have safe drinking water.

Public hearing

Sept. 11 // 10am

Submit official public comment about this fee at the 2025 DEQ Fee Hearing.

Meeting details on our website.



Calculating your fee

The fee will be \$0.0331 for every 1,000 gallons of water used.

- This includes water used for landscaping.
- This averages out to about **\$0.38 per month** per connection.
- Or about **\$4.60 per year** per connection.
- If consumers use less water, they pay less.
- Small Systems will pay **\$35 per year** (if the system used less than 10 MG/year).
- Water systems have the ability to decide how to pass the fee on to consumers.



Exempt water use

Agricultural water (or secondary water), industrial water, and wholesale water doesn't count toward the fee.

Conservation incentive program

We have an incentive program to promote water conservation that can reduce the fee by 10%.

Your system can qualify if it has:

- A current water master plan
- Tiered water rates
- Meters on all residences
- System-specific sizing

Timeline

- **July 2026** - Fee starts
- **July 2027** - First fee collection

Find more info at bit.ly/ddwnewfee2025



NEW DIVISION OF DRINKING WATER PUBLIC WATER SYSTEM FEE

DDW is proposing a \$0.0331 fee for every 1,000 gallons of domestic water used

Wholesale Water: A water wholesaler will not pay a consumption based fee on water that is wholesaled to another supplier who is a public water system. If the wholesaler is engaged in supplying water directly to the end-consumer via a retail connection, they will still pay a fee on that retail water according to the chart in Section 5.1. This exemption is on the wholesale water and not the wholesaler as an entity.

Agricultural Water: Water used only for agricultural purposes and not through a public drinking water system will not be charged a fee, as it is reported separately to the Division of Water Rights. If a drinking water system usage includes agricultural usage, it is considered drinking water usage and will be charged a fee.

Industrial Water: A water system will be exempt from paying a fee on any water delivered to an end user that is an industrial user of water. This includes water used by manufacturing plants, petroleum refining, dairies, mining, electrical generation plants, greenhouses, distilleries, and livestock watering. Industrial water is reported separately from residential water to the Division of Water Rights and will not be used in the calculation of consumption based fee.

WATER USE DATA REPORTED				
	2024	2023	2022	2021
RESIDENTIAL	3749.19	3324.37	3327.86	3463.1
COMMERCIAL	615.26	546.42	467.79	541.12
INDUSTRIAL	4.87	3.85	2.78	1.75
INSTITUTIONAL	139.97	115.95	161.23	210.43
	4509.29	3990.59	3959.66	4216.4
INDUSTRIAL	4.87	3.85	2.78	1.75
	4504.42	3986.74	3956.88	4214.65
1000 GALLONS	1,467,666	1,298,992	1,289,262	1,373,251
PROPOSED FEE	0.0331	0.0331	0.0331	0.0331
CALCULATED FEE OWED BY MWD	\$ 48,579.75	\$ 42,996.62	\$ 42,674.58	\$ 45,454.61

2024 AVERAGE PER CONNECTION				
CUSTOMER TYPE	#CONNECTIONS	ACRE-FT USED	FEE	PER CONNECTION
RESIDENTIAL	8964	3749.19	40,434.66	\$ 4.51
COMMERCIAL	281	615.26	6,635.52	\$ 23.61
INSTITUTIONAL	73	139.97	1,509.56	\$ 20.68
			48,579.75	

