

**Plumbing Board
Request for Interpretation**

Plumbing Board
c/o Department of Labor and Industry
443 Lafayette Road North
St. Paul, MN 55155-4344
www.dli.mn.gov

PRINT IN INK or TYPE

NAME OF SUBMITTER	Rule(s) to be interpreted (e.g., 4714.0330)
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The Minnesota Plumbing Code (MN Rules, Chapter 4714) is available at www.dli.mn.gov/CCLD/PlumbingCode.asp

Has a request for interpretation been submitted to Department of Labor and Industry (DLI) staff, either as a verbal request or a written request? Yes No

If "No," contact DLI staff at 651-284-5898. The DLI is responsible for administration and interpretation of the Minnesota Plumbing Code, and all requests must be processed and provided a DLI interpretation before being referred to the Plumbing Board. This form is intended to be used to request an interpretation from the Plumbing Board only as a resolution of dispute with DLI interpretation.

Code/Rule to be interpreted:	Name of DLI employee gave interpretation:	Date interpretation originally requested:
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Provide a copy of the DLI interpretation with this request (a copy must be provided as reference).

Is there a local dispute with an Inspector of other official? <input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, state the name or type of official
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State the circumstances of the initial dispute:

Explain what you disagree with the interpretation given to you by DLI staff:

What is your interpretation of the language:

List any other information you would like the Board to consider:

Information regarding submitting this form:

- Submit any supporting documentation to be considered electronically to DLI.CCLDBOARDS@state.mn.us. Once your Request For Interpretation form has been received, it will be assigned a file number. Please reference this file number on any correspondence and supplemental submissions.

Information for presentation to the Committee:

- You will be notified with the date of the Committee Meeting in which your Request For Interpretation will be heard.
- Limit presentations to 5 minutes or less.
- Be prepared to answer questions regarding the Code, the circumstances that led to the dispute and please bring copies of any documentation.

What you can do if you disagree with the Board's determination:

- You may appeal the Board's determination pursuant to Minn. Stat. Chapter 14.

Submitted by:

NAME		FIRM NAME	
ADDRESS		CITY	STATE ZIP CODE
PHONE	SIGNATURE (original or electronic)		DATE

Office Use Only

RFI File No. PB0229	Date Received by DLI 3/24/2026	Dated Received by Board 4/21/2026	Date of Board Meeting 4/21/2026
Title of RFI PB0229.RFI.David Weum.Storage Overflows	By:		

This material can be made available in different forms, such as large print, Braille or on a tape. To request, call 1-800-342-5354 (DIAL-DLI).

For assistance or questions on completing this form, please call 651-284-5898 or 651-284-5889.

Mailing address:

**Plumbing Board
c/o Department of Labor and Industry
443 Lafayette Road North
St. Paul, MN 55155-4344**

*** Please remember to attach all necessary explanations and supporting documentation***

Explain what you disagree with in the interpretation given to you by DLI staff:

MDH considers overflows from these structures to be solely MDH's jurisdiction and not part of the plumbing system as there are no plumbing fixtures, devices, appurtenances, or appliances involved in these installations. These storage structures are part of the public drinking water system rather than the property specific plumbing system, and the overflows are an integral part of the structures.

These storage overflows are a part of the municipal drinking water system. The only two parts of the code that refer to the municipal water system are the definition of building supply pipe and 311.1 (the part requiring connection to the system). The plumbing water supply starts at the building supply pipe and the drainage plumbing generally starts at a drainage fixture. This infrastructure is not in that scope as the overflow is an integral part of the drinking water infrastructure and not a separate drainage system. I see the situation as any water supply infrastructure that serves more than just that particular property, would not be plumbing (see 307.1, and definitions for building supply pipe and water supply system)

Some relevant definitions and code language:

Building Supply: Means the pipe carrying potable water from the municipal water supply or source of water to a building water meter, pressure tank, or other point of use or distribution on the lot.

Liquid waste: The discharge from a fixture, appliance, or appurtenance in connection with a plumbing system that does not receive fecal matter.

Indirect Waste Pipe: A pipe that does not connect directly to the drainage system but conveys liquid wastes by discharging into a plumbing fixture, interceptor, or receptor that is directly connected to the drainage system.

801.1 Applicability (for the Indirect Wastes chapter):

This chapter shall govern the materials, design, and installation of indirect waste piping, receptors, and connections; and provisions for discharge and disposal of condensate wastes, chemical wastes, industrial wastes, and clear water wastes.

To entertain the idea of this as plumbing via a clear water waste drainage system, only chapters 3 and 8 of the plumbing code would be applicable via 801.1. The applicability sections of 601.1 and 701.1 indicate that chapter 6 and chapter 7 do not apply to this infrastructure.

801.2 clearly implies that indirect waste piping is separate from the building drainage system and it must discharge into the building drainage system through an air gap. The definition of indirect waste pipe states that it is not connected to the drainage system.

This brings up questions such as, "How then does this discharge clear water waste while at the same time being a drainage system?" The water didn't enter into the overflow pipe through an air gap. Would a storage overflow, if considered plumbing, need to discharge into the building drainage system (801.2 and 812.1) such as the sanitary sewer to conform to the plumbing code? How much would that upsize everything downstream? Note that these overflows commonly range from 8-inch to 24-inch in diameter.

After reading 812.1 (Clear Water Wastes), I must ask, are municipal drinking water storage structures considered "similar devices" to water lifts, expansion tanks, cooling jackets, sprinkler systems, or drip/overflow pans?

The drainage system definition DLI is relying on for this interpretation lists that it conveys "sewage, rainwater, or other liquid wastes" to a legal point of disposal. Liquid wastes has a definition in the code that requires the water to be discharged from a plumbing fixture, appliance or appurtenance. I am unclear if DLI sees clear water waste as not being constrained by the liquid waste definition or if they are saying that the word "other" in the drainage system definition expands it beyond the definition of liquid waste in the code. MDH sees the word "other" referring to rainwater in the sentence, because rainwater is also a liquid waste (see storm sewer definition). Additionally, MDH sees clear water waste as a subset of liquid wastes and constrained by the definition of liquid waste.

There is additional inconsistency in attempting to apply the plumbing code between 310.5 (Obstruction of Flow), 601.1 Applicability of Chapter 6, and 607 in whole.

Everyone can agree that storage overflow pipes need to have a means to protect the water in storage from contamination. Usually this is done with a screen. However, that screen would create an obstruction of flow and conflict with 310.5 if we consider this pipe drainage. DLI has said that this obstruction is acceptable since screens are required on overflows in Chapter 6.

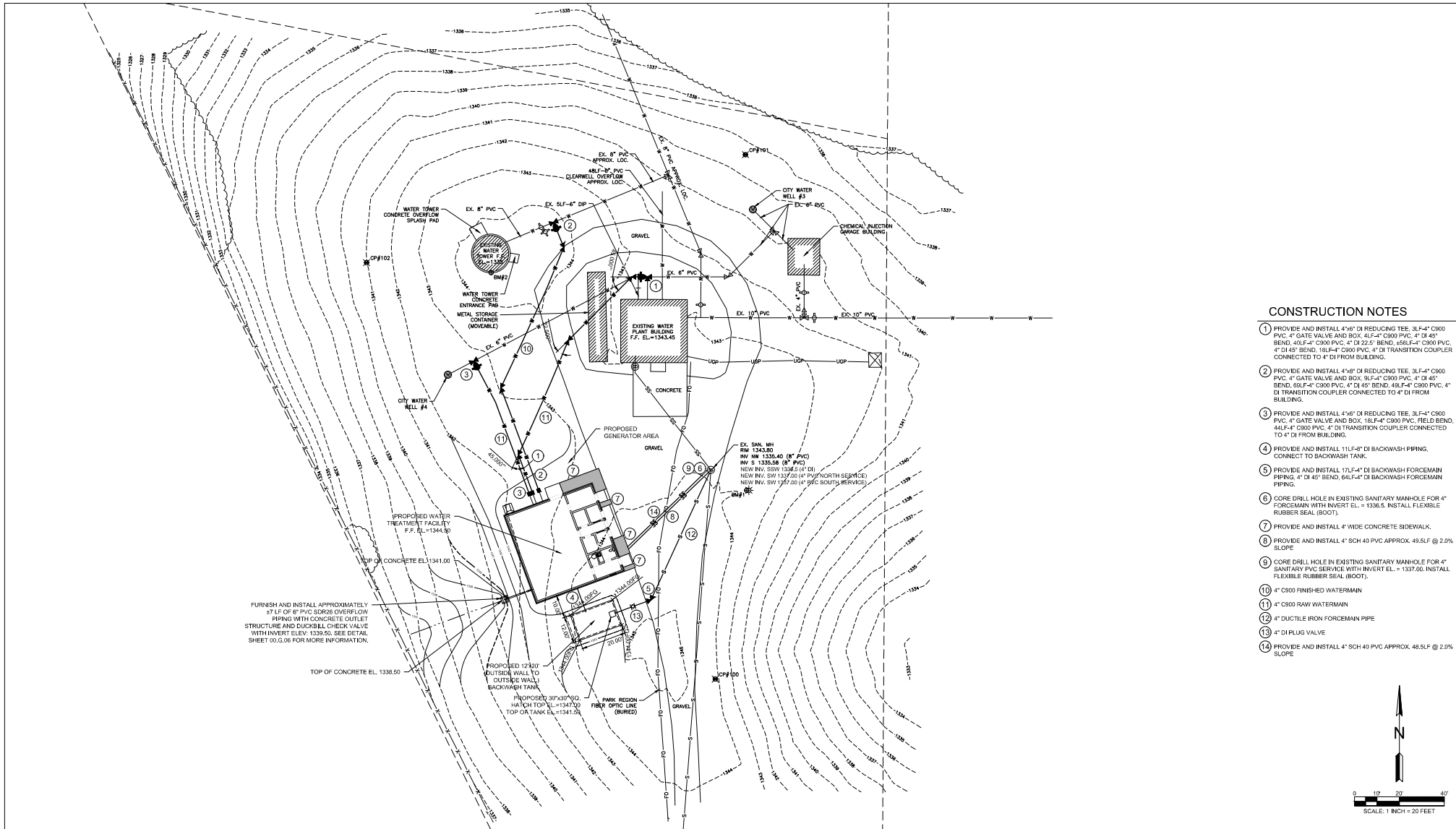
In order to include chapter 6 as applicable here, you'd need to interpret municipal storage to fall under "water supply system" in 601.1. However, MDH does not see municipal storage as meeting any part of the definition of water supply system in the plumbing code. The definition is meant to be restricted to a plumbing water system and not to encompass drinking water production at a municipal level.

Even if you include chapter 6 to have the overflow piping language in 607.4, then we're starting to call the entire storage structure plumbing and 607.1 clearly sees potable storage as a manufactured device needing adequate support. A clearwell is often instead supporting the whole building itself.

So, we're left with the situation where we either need to willfully ignore 310.5 or require protections from contamination of a city's water supply to be removed in order to not obstruct the flow.

If the plumbing code was fully enforced on this infrastructure, this would create mass noncompliance and I don't think it actually can be fully complied with between trapping and venting (803.3), discharging to the building sewer(801.2), obstruction of flow(310.5), screening(607.4), being both a indirect waste pipe and drainage system(chapter 2), and the various applicability sections (801.1, 601.1). In the more extreme/silly scenario, this would seem to require a plumber to install the overflow pipe on every water tower constructed in Minnesota.

In MDH's opinion, this all speaks clearly to the plumbing code not being appropriate to apply to drinking water storage overflows, and that these overflows are part of an engineered storage design for treating and distributing water to an entire city drinking water system. The municipal water system is separate from plumbing since it serves multiple properties and while it does need to be located on a property, that does not make it suddenly plumbing.



CONSTRUCTION NOTES

- 1) PROVIDE AND INSTALL 4"x6" DI REDUCING TEE, 3L-F-4" C900 PVC, 4" GATE VALVE AND BOX, 4L-F-4" C900 PVC, 4" DI 45° BEND, 40L-F-4" C900 PVC, 4" DI 22.5° BEND, 45L-F-4" C900 PVC, 4" DI 45° BEND, 18L-F-4" C900 PVC, 4" DI TRANSITION COUPLER CONNECTED TO 4" DI FROM BUILDING.
- 2) PROVIDE AND INSTALL 4"x6" DI REDUCING TEE, 3L-F-4" C900 PVC, 4" GATE VALVE AND BOX, 9L-F-4" C900 PVC, 4" DI 45° BEND, 85L-F-4" C900 PVC, 4" DI 45° BEND, 40L-F-4" C900 PVC, 4" DI TRANSITION COUPLER CONNECTED TO 4" DI FROM BUILDING.
- 3) PROVIDE AND INSTALL 4"x6" DI REDUCING TEE, 3L-F-4" C900 PVC, 4" GATE VALVE AND BOX, 18L-F-4" C900 PVC, FIELD BEND, 44L-F-4" C900 PVC, 4" DI TRANSITION COUPLER CONNECTED TO 4" DI FROM BUILDING.
- 4) PROVIDE AND INSTALL 1 1/2" DI BACKWASH PIPING, CONNECT TO BACKWASH TANK.
- 5) PROVIDE AND INSTALL 1 7/8" DI BACKWASH FORCEMAIN PIPING, 4" DI 45° BEND, 64L-F-4" DI BACKWASH FORCEMAIN PIPING.
- 6) CORE DRILL HOLE IN EXISTING SANITARY MANHOLE FOR 4" FORCEMAIN WITH INVERT EL. = 1336.5. INSTALL FLEXIBLE RUBBER SEAL (BOOT).
- 7) PROVIDE AND INSTALL 4" WIDE CONCRETE SIDEWALK.
- 8) PROVIDE AND INSTALL 4" SCH 40 PVC APPROX. 49.5LF @ 2.0% SLOPE
- 9) CORE DRILL HOLE IN EXISTING SANITARY MANHOLE FOR 4" SANITARY PVC SERVICE WITH INVERT EL. = 1337.00. INSTALL FLEXIBLE RUBBER SEAL (BOOT).
- 10) 4" C900 FINISHED WATERMAIN
- 11) 4" C900 RAW WATERMAIN
- 12) 4" DUCTILE IRON FORCEMAIN PIPE
- 13) 4" DI PLUG VALVE
- 14) PROVIDE AND INSTALL 4" SCH 40 PVC APPROX. 48.5LF @ 2.0% SLOPE

FURNISH AND INSTALL APPROXIMATELY 715LF OF 6" PVC SURGE OVERFLOW PIPING WITH CONCRETE OUTLET STRUCTURE AND DUCKBILL CHECK VALVE WITH INVERT ELEV. 1339.50. SEE DETAIL SHEET 00.C.06 FOR MORE INFORMATION.

TOP OF CONCRETE EL. 1341.00

PROPOSED 12'x20' OUTSIDE WALL TO BACKWASH TANK

PROPOSED 30'x30' POND, HATCH TOP EL.=1347.00, TOP OR TANK EL.=1341.00

PARK REGION PARK OFFICE (BURIED)

REVISIONS

Issue #	Description	Date



Bismarck - Detroit Lakes - Dickinson - Fargo - St. Cloud
 920 McKinley Avenue
 Detroit Lakes, Minnesota 56501
 Office: 218-844-2580
 www.apexenggroup.com

CITY OF UNDERWOOD, MINNESOTA

Apex Project #: 21.215.0146
 Date: FEBRUARY 21, 2025
 Drawn By: James F. / Scott W.
 Checked By: Tim P.
 Approved By: Ryan K.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Print Name: Ryan Kotta
 Signed: *Ryan Kotta*
 Date: 02/21/25 License Number: 48754

UNDERWOOD, MN WATER TREATMENT FACILITY
PROPOSED SITE AND UTILITY PLAN - NEW WATER TREATMENT FACILITY

Sheet:
00.C.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. DIMENSIONS SHALL BE GIVEN IN FEET AND INCHES. ALL DIMENSIONS ARE THE PROPERTY OF STANTEC. REPRODUCTION OR TRANSMISSION OF THIS DRAWING OR ANY PART THEREOF WITHOUT THE WRITTEN PERMISSION OF STANTEC IS STRICTLY PROHIBITED.

Plot Date: 4/25/2025 11:15:06 AM
 File Path: B:\M_340\193805302_Cottage_Grove_ITWP\193805302-d-md.vvt

KEY PLAN

GENERAL SHEET NOTES

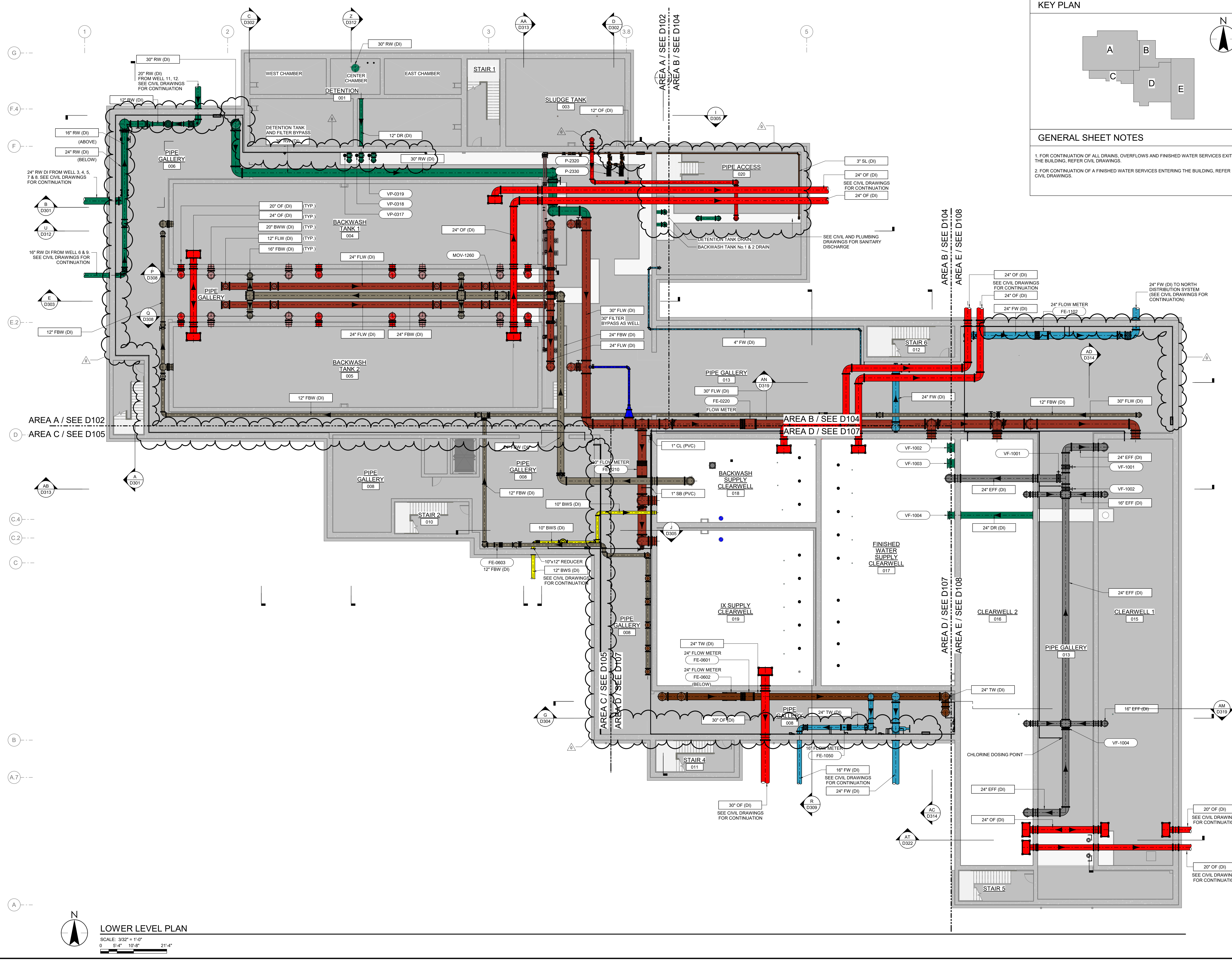
- FOR CONTINUATION OF ALL DRAINS, OVERFLOWS AND FINISHED WATER SERVICES EXITING THE BUILDING, REFER CIVIL DRAWINGS.
- FOR CONTINUATION OF A FINISHED WATER SERVICES ENTERING THE BUILDING, REFER CIVIL DRAWINGS.

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 PRINT NAME: RAJ L. CARLE
 SIGNATURE: [Signature]
 DATE: 2/26/2025
 UC NO.: 45142

CITY OF COTTAGE GROVE, MINNESOTA
 INTERMEDIATE ZONE WATER TREATMENT PLANT
 OVERALL LOWER LEVEL PLAN

NO.	REVISION	DATE
0	ADD #1	4/25/25

SURVEY	-
DRAWN	DC
DESIGNED	BL/CS
CHECKED	AM
APPROVED	RC
PRJ. NO.	193805302
SHEET NUMBER	D101



LOWER LEVEL PLAN

SCALE: 3/32" = 1'-0"
 0 5'-4" 10'-8" 21'-4"