Groups argue for local control of pipeline routes

Counties are appealing federal judge's ruling against their zoning ordinances that would increase setback rules

By Jared Strong Iowa Capital Dispatch

A federal judge has wrongly limited the authority of county and state officials to restrict the placement of carbon dioxide pipelines for public safety, according to several groups that are challenging the judge's recent decisions.

Those challenges stem from December rulings in which Chief Judge Stephanie Rose, of the federal Southern District of Iowa, blocked two Iowa counties from enforcing ordinances that create minimum separation distances between the pipelines and buildings that are occupied by people or animals.

They were the result of lawsuits Summit Carbon Solutions filed against counties that have attempted to govern where its sprawling pipeline system can go and to require the company to provide plans that show the safety risks of a system breach.

Summit wants to build a pipeline network that would transport captured carbon dioxide from ethanol plants in five states — including 30 in Iowa — to North Dakota for underground storage. Its initial construction permit is awaiting a decision in Iowa, and the company has sued five counties in the state that enacted ordinances.

ROSE SIDED WITH SUMMIt in

two of the lawsuits regarding Shelby and Story counties, and the other three are paused until appeals of Rose's decisions conclude.

Summit has argued — and Rose agreed — that state law gives the Iowa Utilities Board the ultimate say on pipeline

Legal Notice NOTICE

PUBLIC HEARING The Charles City Housing and Redevelopment Authority will hold a public nearing in compliance with the Quality Housing and Work Responsibility Act of 1998. The purpose of the hearing is to allow the public and residents an opporunity to comment on amendments to the 2020-2024 Capital Improvement Plan ACOP, HOTMAN, Administrative Plan, and Lease changes. The information is available for review at the Housing Office, 205 Greenlees Circle, Charles City, IA 50616. The hours of operation are 8:00 a.m. – 4:30 p.m., M-F. The public hearing will be held at the housing office on June 20th, 2024 at 8:00 am. The public is invited to attend to comment or may submit written comments to the housing office prior to the hearing

routes and that the safety-related provisions of the ordinances conflict with federal law.

The ordinances reflect public apprehensions about the pipelines, which have the potential to create a deadly plume of carbon dioxide if they rupture.

Rose said minimum separation distances - or setbacks are "within the field of safety standards" and are the territory of federal regulators. As such, neither county nor state can impose them, she reasoned.

That interpretation of the law is a concern to the Iowa Farm Bureau Federation, which has asked the IUB to keep Summit's pipe at least 400 feet from homes and livestock buildings.

There are 112 homes and 36 livestock barns within 400 feet of Summit's initial proposed route, wrote Chris Gruenhagen, an attorney for Iowa Farm Bureau, in a court brief in partial support of the appeals.

"THE DISTRICT COURT'S rul-

ing ... would restrict the state's ability to judiciously review the proposed location and routing of the proposed pipeline," Gruenhagen wrote.

Rose's interpretation of federal law was contradicted in September by the Pipeline and Hazardous Materials Safety Administration, which regulates the design, construction and operation of carbon dioxide pipelines to ensure public safety.

Legal Notice

Invitation to Comment on a Proposed Wireless Telecommunications Facility

Interested persons are invited to comment on the wireless telecommunications modification project proposed near 215 Street in Rockford, Iowa (43°02'44.6" North 92°58'59.2" West) with respect to Environmental Effects. The project will consist of installing a 300' self-support tower (overall height 320.5-feet) within a new fenced compound. The FCC Antenna Structure Registration (ASR, Form 854) FCC Filing Number is A1284417 Environmental Effects - Interested persons may review the application (www fcc.gov/asr/applications) by entering the filing number. Environmental concerns may be raised by filing a Request for Environmental Review (www.fcc.gov/asr/ environmentalrequest) and online filings are strongly encouraged. The mailing address to file a paper copy is: FCC Re quests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW Washington, DC 20554. This notice is provided in accordance with regulations of the Federal Communications Com-mission, 47 C.F.R. Part 1, Subpart I and Appendices B.

PHMSA sent a letter to Summit that month that said state and local governments are allowed to establish minimum separation distances.

"Local governments have traditionally exercised broad powers to regulate land use, including setback distances and property development that includes development in the vicinity of pipelines," wrote Alan Mayberry, a pipeline safety administrator for PHMSA."Nothing in the federal pipeline safety law impinges on these traditional prerogatives of local – or state - government, so long as officials do not attempt to regulate the field of pipeline safety preempted by federal law."

Rose decided the initial ver-

Floyd County Board of

Supervisors Meeting

May 20, 2024, 9:00 a.m.

The Floyd County Board of Supervi

sors met in the Board Room of the Floyd

County Courthouse with the following

in attendance: Supv Mark Kuhn, Supv

Dennis Keifer, and Supv Jim Jorgensen.

the agenda as presented. Motion carried

Keifer/Jorgensen moved to approve the May 13, 2024 meeting minutes. Mo-

the claims presented: County #2512-2594, Eng/Secondary Roads #10650-10660 and Drains #15411. Motion

Iorgensen/Keifer moved to approve

238.03

293.19

. 38.76

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. 147.06

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.. 30.29

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273741.55

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26625.00

..... 147158.56

24.23

Public comment: None.

Alliant, Elect

A Bellinger, Reimb

J Butterfield, Reimb

S Butterfield, Reimb

tion carried 3-0.

carried 3-0.

Ahlers, Legal.

REC, Elect.

G Arjes, Reimb .

YesWay, Fuel.....

Cartersville .Fuel

Central, Tuition

Centrl IA, Supplies.....

C Lock, Equip

Central IA, Shelter

CenturyLink, Phone

CC Press, Notice

Charles City, Services

CMI, Equip Cresco PD, Service

B Hinz, Reimb

EBS, FCEHPT

FC Treas, Serv Fees

GRP Assoc, Disposal

H Adkins, Supplies

Striping, Service..... ISU, Training

Kahn Tile, Culverts

earning Conn, Fees

MR Library, Alloc

McKesson, Equip

L Kristiansen Reimb

FCSO, Services

S Funte, Reimb....

Gardiner, Fees.

Heartland, Ins ..

Heartland, Util.

Hv-Vee, Misc.

Hy-Vee, Prescpt.

IA Title, Service.

LEAF, Services.

J Lovik, Reimb

Mid Am, Util...

Minnowa, Const.

EMC, Ins

Carquest, Parts

Black Hills, Util

Keifer/Jorgensen moved to approve

sions of the Shelby and Story ordinances were so restrictive they "will lead to a situation where the IUB may grant a permit to construct a pipeline and Summit is unable to do so."

STORY COUNTY MODIFIED its

ordinance after the lawsuit was filed to include lesser setbacks. It's unclear whether the changes would alleviate Rose's concerns because she did not address the changes in her December ruling.

Rose did, however, say state law does not explicitly prevent counties from adopting the setbacks.

An attorney for the counties argues there is not evidence the ordinances are overly restrictive, in part because they would

E Myers, Reimb. 73.53 76.30 N IA Lawn, Services 4290.00 ... 132.89 N IA Therapy, Eval Office Depot, Supplies Olympus, Service Per Mar Security, Services...... . 1426.50 291.36 467.58 Pitney Bowes, Supplies Pollard, Exterm ... 105.00 Powerplan, Parts 928 74 300.00 C Ouade, Reimb. Riverton Cem, Maint 142.50 Schueth Ace, Hwd 11 97 Sioux Sales, Uniforms 104.90 7045.08 Solutions, Support Special Med, Therapy 1500.00 .819.53 St.Joseph, Learning Con. 5075.51 State ME, Autopsy Stock Glass, Reprs 125.00 .. 47.98 Superior, Supplies ... Swartzrock, Reimb 62.13 T&C, Equip..... 324.00 US Cellular Phones 368.09 UMB Bank, Bonds 1585499.37 Verizon, Serv Fee..... 899.86 Viafield Fuel 500.00 Visual Edge, Equip Wavelength, Service 1800.00 L Wulff. Reimb .. . 135.66 Bolton-Menk, DD3 Eng Srv .. .2191.50

Updates on various boards/commis sions/activities: Keifer attended a meeting regarding a municipal ambulance service, Regional Airport Authority and Communications Tower Commit tee meetings. Kuhn attended NIACOG, County Social Services Human Re-sources, and FMC Governance Board meetings.

Jorgensen/Keifer moved to reappoint Pete Koberdanz for a new 5-vear term on the Conservation Board and reappoint Maureen Ruane to a new 3-year term on the Veterans Affairs Commission. Motion carried 3-0.

Keifer/Jorgesnen moved to approve Res #09-24* Extending a Moratorium Accepting, Approving Applications on Accepting, Approving Applications or Issuing Permits for Utility-Scale Wind Energy Systems, and Battery Storage Installations: On November 20, the Board approved Resolution #44-23. Instituting Moratorium to be in effect until May 20, 2024; and, the Board and the Zoning Commission have held several meetings facilitated by NIACOG for the purpose of gaining public input regarding topics and issues to be considered in an amendment to Ordinance No. 2011-2, Zoning Ordinance of Floyd County; and, more time is needed by the Commission to complete their review and make a recommendation to the Board on amendments to the Ordinance: and, said Resolution #44-23 allows for the Moratorium to be

allow Summit to ask for exceptions when a pipeline could not comply with the setbacks.

"In reaching these conclusions, the district court fundamentally misapplied Iowa law," wrote Jason Craig, a Des Moines attorney who is representing the counties in federal court.

It's unclear when the appeals will conclude. They were initiated in December, consolidated in January, and Craig filed a brief with his arguments in early May. Summit's response is due July 1.

Iowa Farm Bureau, the Pipeline Safety Trust and the Iowa Farmer's Union have also filed briefs that argue against various determinations by the judge.

"Given the impacts of hazardous liquid pipelines, and carbon dioxide pipelines in particular, it is important to give local ordinances their rightful place in protecting the public from those impacts," wrote Wallace Taylor, a Sierra Club of Iowa attorney who is also representing the Pipeline Safety Trust.

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July 1. Be it resolved by the Board to extend the Moratorium until July 1, 2024. Roll call vote: Ayes-Keifer, Jorgensen, Kuhn: motion carried 3-0.

Jorgensen/Keifer moved to approve Res #10-24* Appropriation Changes: The Board has reviewed departmental budgets for the FY24 budget; and, appropriation limits for several departments are in need of adjustment. Be if resolved by the Board to increase appropriations from 90% to 100% for the following departments for FY24: Auditor, Attor ney, REAP, Public Health, Road Clearing, and Debt Service. Roll call vote: Ayes-Jorgensen, Keifer, Kuhn; motion carried 3-0

Keifer/Jorgensen moved to approve the Notice to the Public – Noxious Weeds Must Be Destroyed. Motion carried 3-0.

Jacob Page, County Engineer, and the Board, acting as trustees for Drainage District #4, discussed an area where a drainage tile possibly collapsed in a field 400-500 feet south of Mike Kubik's home. Jorgensen/Keifer moved to authorize Secondary Roads to do drainage repair work in Drainage District #4. Mo tion carried 3-0.

Page informed the Board of two 28E agreements with the City of Nora Springs, one for gravel road maintenance and one for mowing the county shed in the city limits. Jorgensen/Keifer moved to approve a 28E Agreement Concerning Road Maintenance and Snow Removal. Motion carried 3-0. Keifer/Jorgensen moved to approve a 28E Agreement Concerning Mowing at 216 N Seminary Avenue, Nora Springs. Motion carried

Jorgensen/Keifer moved to approve Res #11-24* Citizen Convenience Center Closer Fund: Floyd County has applied to the Iowa DNR to operate a sanitary disposal project located within the State of Iowa, and is required to maintain financial assurance for closure care in con-nection therewith; and IAC 567 Chapter 106.18(2) requires proof of establishment of a financial assurance instrument for closure costs prior to the issuance or renewal of a Citizen Convenience Center permit; and, Chapter 106.18(5) (b) provides for the "Local Government" Dedicated Fund" mechanism to be an acceptable financial assurance instrument, and Flovd County meets the requirements of said paragraph. Be it resolved by the Board to adopt the "Floyd County Citizen Convenience Center Closure Fund' as the financial assurance mechanism for the Floyd County Citizen Convenience Center, to restrict closure cost refunds to match the most recent Closure Cost es-

the Floyd County Citizen Convenience Center, and agree to comply with the closure fund requirements as provided by 567 IAC Chapter 106.18(5)(b). Roll call vote: Ayes-Jorgensen, Keifer, Kuhn; motion carried 3-0.

Page provided an update on Secondary Roads activities including crews working on drive permits, work orders blading, spraying, dust control, sign inventory, and general shop maintenance The B60 bridge project east of Nuthatch Ave is wrapping and will be opening soon. Rip rap from the City of Floyd project is being hauled to B60 projects Seeding on the Victory Ave bridge proj ect was just completed. Four railroad tank cars have been delivered and will be installed later this year. Page is working on a SS4A grant for safety action plans will host a workshop on October 14. The County 5-Year Program was approved by the Iowa DOT

Bernie Solomon, IT Director, provided an undate on activities. Projects include looking into phone system due to the current system sunsetting next year, working with Omnitel on the new communications tower project, assisting the safety coordinator with a new pani alarm system, and discussing with the public health director on transitioning to the county's network. The State is of fering, at no charge, YubiKey security keys used for multi-authentication but there will be other costs associated with the county's domain: the county needs to transition to multi-factor authentication and Solomon plans to phase the process in by departments. Last week WIN fiber was cut causing the sheriff's network to go down; Solomon is working on a backup plan. There have also been issues with Lumin's services not permitting wireless calls coming in or going out of our network.

Future agenda items: Crisis Intervention request for office space, setting date/time of Primary Election canvass and transfer of funds to Conservation Emergency Management, and Second ary Roads.

Jorgensen Keifer moved to adjourn. Motion carried 3-0.

*This is a summary of the resolution; full text of resolutions may be inspected during normal business hours in the Flovd County Auditor's office and at ww.floydcoia.org.

ATTÉST: Gloria A. Carr Floyd County Auditor Mark A. Kuhn, Chair Floyd County Board of Supervisors

No. 23998 5/31/24

5/31/24

must be tested immediately following

must be tested annually by the testing date specifiedby the City. ("Annua

that is out of operation for more than

three (3)months, must be tested before it

that fails a test, must be repaired or re-

B. A backflow prevention device

C. A backflow prevention assembly

D. A backflow prevention assembly

E. Repairs of backflow prevention

F. A backflow prevention assembly

ssemblies shall be according to manu

facturersspecifications and requirements

must be tested any time the Water Super

submitted by the tester to the Customer

and the Cityusing the method specified

by the City. The required test report shall

be past due if thetest is not performed

and submitted using the method specified

by the City by the Annual Backflow Tes

ANCE. The water service may be dis-

continued in the case of non-compliance with this ordinance. Non-compliance

includes, but is not limited to, refusa

to allow the City access to property to

inspect cross connections, removal of a

required backflow prevention assembly

failure to install a required backflow

prevention assembly, and failure to prop-

erly test or properly repair a backflow

prevention assembly when warranted 94.10 AUTHORITY. The backflow pro-

tection requirements of this ordinance

shall be administered by the City Water

Superintendent. The Federal Safe Drink

ing Water Act of 1974 and the statutes

of the Iowa Administrative Code shall

be recognized. The water purveyor has

the primary responsibility for prevent

ing water from unapproved sources or any other substances, from entering

the public potable water system. SEC

TION 2. Repealer. All ordinances of

parts of ordinances in conflict with the

provisions of this ordinance are hereby

repealed. SECTION 3. Severability

ordinance shall be adjudged invalid or

any section, provision or part of this

94.09 CUSTOMER NON-COMPLI-

intendentrequires that a test be done 4. A report of the annual test shall be

installation.

Date.

Backflow Test Date").

put back into operation.

laced andthen retested.

Legal Notice - Legal Notice

ORDINANCE NO. 1174 ORDINANCE NO. 1174AN ORDI-NANCE ADOPTING NEW CHAPTER 94 OF THE CHARLES CITY CODE OF ORDINANCES TO PROVIDE CROSS CONNECTION AND BACK FLOW PREVENTION REGULATIONS. BE IT ENACTED by the City Council of the City of Charles City, Iowa: SECTION 1. New Chapter and Sections. The following sections of new Chapter 94 are hereby adopted: 94.01 DEFINITIONS. The following terms are defined for use in the chapters in this Code of Ordinances pertaining to Water Service System:

1. "Approved Backflow Prevention Assembly" means assembly that has beenapproved by the University of Southern California Foundation for Cross ConnectionControl and Hydraulic Research (USC) and meets AWWA standard C511-89 for ReducedPressure Principle Assemblies and ANSI/AWWA Standard C510-17(R21) for DoubleCheck Assemblies. The backflow preven tion assembly must also be listed by theInternational Association of Plumbing and Mechanical Officials.

2. "Backflow" means the flow of water or other liquids, mixtures, or substances, underpositive or reduced pressure in the distribution pipes of potable water supply from anysource other than its intended source.

3. "Backpressure" means backflow caused by water pressure in a facility that is higherthan the pressure of the pub lic drinking water supply be caused by pumps, boilers, gravityor other sources of pressure.

4. "Backsiphonage" The reverse flow of used, contaminated, or polluted water froma plumbing fixture or device into the public drinking water due to reduced pressure. Thiscan be caused by nearby firefighting, water main breaks or repairs

5. "Backflow Prevention Assembly Technician" means a person registered with theState of Iowa Department of Public Health to test or repair backflow prevention assemblies and to report on the conditions of these assemblies

6. "Containment" means the installation of an approved testable backflow preventionassembly on the water service line immediately following the meter or at the serviceentrance to the building and always before any unprotected branch.

"Contaminant" means a substance that will impair the quality of the water to adegree that it creates a serious health hazard to the public leading to poisoning or the spreadof disease.

8. "Cross Connection" means any actual or potential connection between the publicpotable water supply and a possible source of contamination or pollution.

9. "Customer" means the owner, operator, or occupant of a building or operty whichhas a water service from a public potable water system or owners of private water systemsthat receive their ater from public potable water systems.

10. "Degree of hazard" means the rating of a cross connection or water

servicedetermined by the City Superintendent that indicates the potential risk to public healththrough contamination or pollution. Facilities rated as high hazard will be required toinstall an approved reduced pressure principle assembly for containment.

11. "Double Check Valve Assembly" means a backflow prevention assemblyconsisting of two independently acting, internally loaded check valves, four properlylocated test ports and two isolation valves

12. "High Hazard" means an actual or potential cross-connection which may create ahazard to public health through the introduction of non-potable or poisonous substancesinto the public water

supply. 13. "Isolation" means a method of backflow prevention in which backflow preventiondevice is located to correct a cross connection at an in-plant location rather than at a waterservice entrance.

14. "Low Hazard" means a cross-con nection which may alter the quality of potablewater to a degree which does not reate a hazard to the public health, but which does adversely and unreasonably affect the aesthetic qualities of such potable waters fordomestic use

15. "Reduced Pressure Principle Assembly" means a backflow prevention assembly consisting of two independently acting, internally loaded check valves, a differentialpressure relief valve, four operly located test ports, and two isolation valves.

16. "Superintendent" means the person directly responsible for the municipal watersupply and system as assigned by the City Administrator.

17. "Thermal Expansion" means the volumetric increase of water pressure due toheating resulting in increased pressure in a closed system.

18. USČ means the University of Southern California Foundation for Cross ConnectionControl and Hydraulic Research.

19. "Water Service" means the connection between the public potable water systemand a customer's property or building. 20.Water Service Entrance means

the point where the water service enters thecustomer's property: generally considered to be the outlet end of the water meter and always before any unprotected branch.

94.02 PURPOSE. This chapter is intended to accomplish the following:

1. Protect the public potable water supply from potential backflow contamination fromunprotected cross connections within a customer's internal plumbing system.

2. Identify all connections that present an actual or potential risk to the public potablewater supply and require approved backflow protection at the water service entrance(containment).

3. Maintain records of all installed backflow prevention assemblies and provide notice of annual testing require-

4. Enforce compliance of installation and annual testing requirements by terminatingcustomers failing to comply. 94.03 CROSS CONNECTION PRO-

HIBITED.

1. Cross Connections from any well or other source of water to any piping systemconnected to the City's water system are prohibited. It is the Customer's obligation to ensure all new and existing service lines meet the requirements of state, federal, andlocal ordinance, including all applicable plumbing codes.

2. All new and existing service lines are subject to the requirements of local and State of Iowa plumbing codes respecting backflow prevention and are lso subject to thespecific requirements set forth in this code of ordinances

94.04 RESPONSIBILITY. The reponsibilities of the Customer are the following:

1. Customer shall be responsible for ensuring that no cross connections exist within the property served without an approved backflow prevention assembly for containment.

2. Customer shall prevent actual or potential pollutants and/or contaminants from enteringthe water system through backflow

3. All water-using devices shall be designed to prevent backflow to the water system.

4. Where harmful contaminants or pollutants are used with any device or processconnected to the water system, customer must install and maintain an approvedbackflow prevention assembly for containment at the water service entrance inaccordance with these ordinances and any applicable plumbing code requirements.

5. All permanently installed underground irrigation systems shall contain an approvedbackflow prevention assembly for containment at the water service entrance designed to prevent backflow to the water system. If lawn irrigation is the only cross connection within a property, an approved reduced pressure principle assembly may be installed n the irrigation connection in lieu of installation at the meter. This will be categorized as containment for the purposes of enforcement.

6. All commercial, multi-tenant properties served by one water meter are deemed to have apotential for cross connections to non-potable or hazardous substances as the Citydoes not have control of tenants changing in this type

of facility. 94.05 ADMINISTRATION. The provisions of this section shall be adminstered according to the following: 1. For New Water Service.

A. An Approved Backflow Prevention Assembly for Containment shall be installed at he domestic water service entrance to all newly constructed or remodeledcommercial buildings.

B. For the purposes of this ordinance, any upgrade to an existing service line is

deemeda new service.

C. Before the water service is turned on for use, the Superintendent (or their designee)shall inspect the installation of the backflow prevention assembly. The City maywithhold approval of new water service to a new service line until all backflowprotection requirements are met

2. Existing Service Connections.

A. Customers whose premises are not classified as single-family residential by theBuilding Official shall be inspected by the City to determine the type of water usageand degree of hazard to the water system. To enter any property, the City must have either the consent of the customer or a warrant from a court of appropriatejurisdiction. Upon completion of the inspection, the City will determine ifcontainment backflow protection is required.

B. Inspections under this ordinance may be performed by the Superintendent, BuildingInspector, or other designee

C. The City may evaluate existing service connections using a Water Usage Inventorycompleted by the customer and/or physical inspection by the City to determine thetype of water usage in the facility.

D. If an actual or potential Cross Connection to non-potable or hazardous substances exists, is created, or is identified by the City, installation of an approved reducedpressure principle asmbly at the service entrance must be completed within 30days from notification to avoid termination. This shall be ordered by written noticethrough U.S. mail, email or hand delivery. (the "Installation Notice").

E. If a customer fails to provide access upon request, a high hazard condition shall bedeemed to exist and an approved backflow prevention assembly for containmentshall be completed within 30 days from the Installation Notice to avoid termination.

F. The customer shall install the required backflow prevention assembly within thirty(30)days of the Installation Notice. The City reserves the right to extend or reducethe 30-day timeframe if they deem necessary depending on the degree of hazard.

G. The installation of a backflow prevention assembly for containment will beconsidered complete when a passing backflow test form is submitted using themethod specified by the City and a confirmation inspection is completed by the City.

H. Thermal expansion must be addressed whenever a containment backflow preventionassembly is installed.

I. If the Customer fails to complete installation pursuant to an Installation Notice, then the water service at the affected service line shall be terminated until such time as he required installation is complete and a passing backflow test form is submitted to the City.

J. If during an on-premise investigation the City determines that there is

a high hazardcross connection, the City reserves the right to terminate the water service until anapproved backflow prevention assembly has been installed and tested. The City hasthe authority to determine a schedule of compliance for the customer

K. The responsibility to comply with all of the requirements of state and local codes inaddition to this ordinance are solely the Customer's and not conditioned uponwhether the City has notified the Customer that they have a high hazard cross-connection and that they shall install backflow-prevention assemblies forcontainment

94.06 PRIVATE WELLS. Private wells and any piping served by a private well shall be physically disconnected from any plumbing pipes and fixtures that will be connected to the City distribution system. If a well will be left in ser vice, no well equipment or piping shall be allowed to remain in the building even if it is physically separated or isolated with a valve unless an approved reduced pressure principle assembly is installed at ater service entrance

94.07 INSTALLATION OF BACK-FLOW PREVENTION ASSEMBLIES FOR CONTAINMENT. Installation of backflow prevention assemblies for containment must comply with USC guidelines, all applicable state and local codes in addition to the manufacturers recommendations. General requirements for the installation of backflow prevention assemblies include the following:

1. Installed in horizonal plumbing unless approved for vertical installation by USC

2. Installed immediately following the water meter 3. Installed upstream of branch pip-

ing.

4. Installed near an appropriately sized drain

5. Installed to be protected from freezing

6. Installed to be protected from thermal expansion if hot water is used within thewater system.

7. Installed not to create a safety hazard (e.g. above an electrical panel).

8. Installed above grade and be acces sible for testing; not less than 12" from thebottom of the assembly to the floor or grade, and not more than 36" high.+

9. No device or assembly for containment shall be removed, relocated or substituted without approval of the city. 94.08 TESTING & REPAIR. Gen-

eral instructions for the testing and repair of backflow prevention assemblies are as follows:

1. Tests and repairs must be performed by a backflow prevention assembly technicianregistered with the Iowa Department of Public Health.

2. The costs of all testing shall be paid by the customer.

3. The backflow prevention assem-

blies shall be tested and inspected ac-

cording to thefollowing: A. A backflow prevention device unconstitutional, such adjudication shall not affect the validity of the ordinance as

a whole or any section, provision or par thereof not adjudged invalid or unconstitutional. SECTION 4. When Effective This ordinance shall be in effect from and after its final passage, approval and publication as provided by law. Passed

by the City Council on this ____20th day of _____May_

2024. Approved this __20th__ day of ______, 2024.

Dean Andrews, Mayor ATTEST: Trudy O'Donnell, City Clerk

No. 24023 5/31/24