

Ordinance No 76

An Ordinance Concerning Sewers
 Be it ordained by the City Council of the
 City of Grand Junction
 Siphons and Drains
 Section No 1

No cesspool or private drain upon any lot abutting upon the line of the sewer constructed under the sewer system of Grand Junction, shall be constructed, used or maintained
 Ditch or Surface Water.

Section two

No ditch or surface water shall be drained into the public or district sewer, and water from roofs may be excluded by order of the sewer committee when it is considered such water would over load them.

What thrown into sewer.

Sec 3 It shall be unlawful to throw or deposit, or cause or permit to be thrown or deposited, in any vessel or receptacle connected with a public or district sewer, any garbage, hair, ashes, fruit or vegetables, peelings or refuse, rags, cotton bunders or any other matter or thing whatever, except faeces, urine, the necessary tissue closet paper and liquid house slops.

Blow-Off Pipe

Sec 4 It shall be unlawful for any person or persons to connect, or cause or permit to be connected, with any of the public or district sewers, or with any soil or waste pipe, or directly with any private sewer, any steam exhaust or blowoff pipe from a steam boiler or steam pipe. They must be discharged into a tank condenser, the waste from which, if to be discharged into the sewer through the house drain, must be connected on the sewer side of the house trap.

Private Sewers Size of

Sec 5 When there are two and not more than five houses so situated as to require a private sewer, such sewer shall not be less than six inches in diameter.

Same Continued, - Connections

Sec. 6 When the course of the private sewer is

96 Continued

not the same as the junction piece it must be connected therewith by a curve of not less than eight feet radius, and in all changes of direction, either horizontal or vertical, curved pipe must be used.

Sec 7 Same continued Workmanship
The inside of every private sewer connecting with a public or district sewer, after it is laid must be smooth and perfectly clean throughout its entire length, and the ends of all pipes not to be immediately used must be securely guarded against the introduction of sand or earth, by brick and cement or other water tight and impervious material.

Sec 8 Grease Trap
Waste pipes from kitchen sinks, in any hotel or restaurant or other cooking establishment, and in every dwelling house shall run separate to grease trap in yard when practicable, and when not practicable to be put in yard, a grease trap must be placed below each sink, and shall have a water jacket to keep grease in grease trap chilled.

Sec 9 Continued
Grease traps in yards shall be constructed of the best hydraulic cement, or of earth ware of brick; and in case of brick being used, the walls shall be plastered on all sides and bottom with cement mortar at least one inch thick, with eight inch walls. Grease trap to have iron or stone covers, Grease trap for small buildings or ordinary dwellings houses shall not be less than twenty four inches in diameter and three feet in depth. Hotels, restaurants, or other cooking establishments to have the size of grease traps not less than forty inches in diameter, and according to the directions of the Superintendent of sewers. All grease traps shall be cleaned out at least once in six months or oftener if notified to do so by the Superintendent of sewers.

96 Continued

Sec

10

Tance Drains

That portion of the house drains inside of all walls and underneath the buildings and for three feet outside the area of foundation walls shall be constructed of what is known to commerce as extra heavy cast iron soil pipe and extra heavy fittings. Tance drains shall be securely anchored to the walls, not less than five feet apart, and laid in trenches of uniform grade or suspended from the floor timbers by strong iron hangers. Drains and soil pipe shall have a uniform fall of not less than one quarter of an inch to foot towards sewer. Changes in direction shall be made with "Y" branches and sanitary "T" and all drains to be accessible when practicable.

Soil Pipe Water Closets.

Sec

11

Soil pipe receiving the discharge from one or more water closets shall be extra heavy cast-iron pipe, same as specified for drains, not less than four inches in diameter, to continue full size inside of buildings, a height not less than six inches above the ridge of the fire wall when the roof is flat, and at least five feet above or ten feet away from any window or opening of the adjoining buildings. All joints shall be packed with picked oakum and run with molten lead thoroughly caulked. Connections of lead pipe with drains shall be made with extra heavy brass ferule and properly wiped, and caulked to iron pipe.

Vent pipes

Sec 12

Vent pipes must not terminate or lead through chimney flues, but shall be carried up inside of house and supported the same as soil pipes. All water closet traps shall be back air vented with not less than two inch pipe. The traps of all other fixtures shall be back air vented with pipe of the same size as the waste pipe. Trap vents from two or more

96 Continued

fixtures shall be connected at least one foot above the highest fixtures. Vent pipes must be increased in size according to number of fixtures, at least one quarter of an inch for each additional fixture. In small buildings and ordinary dwellings houses the back air vent may be connected to the soil pipes not less than five feet above the highest plumbing. In no case shall the back air vent be connected to soil pipes four or more stories high, but shall be run separately through the roof.

All vent pipes shall be run as direct as possible, and forty five degree "L's" shall be used at all times when practicable. Galvanized wrought iron pipes, with galvanized fittings, extra heavy cast iron soil pipe, or lead pipe (might not less than extra light) may be used for ventilation. Connections of lead pipe to wrought iron pipe shall be made with combination brass ground couplings and wiped joints. When all lead vent is used such vent shall have a trap screw soldered into it not more than six inches above the connection with the trap.

Vent Pipe Inspection

sec 13 No outside or inside drains, soil, waste or vent pipes, shall be covered from view or concealed until after the work has been tested, examined and approved by the Superintendent of the Sewers and a certificate given for the same. The whole system of inside drains, soil, waste and vent pipes shall be filled with water, or subjected to an air pressure of ten pounds to the square inch, or the pep.ermint test. The Superintendent of Sewers shall be notified by the Plumber when the work is ready for inspection and said plumber shall prepare the whole system of plumbing in such building for the Superintendent to make proper

96 Continued

tests of the same. Waste pipe from all fixtures shall be of lead, galvanized iron, or of extra heavy cast-iron and if not less than the following sizes: Bath tubs, sinks, laundry tubs, and urinals one and one-half inches, waste basins, one and one-quarter inches, slop sinks, two inches. When two or more sinks are connected to one waste pipe, such waste pipe shall be correspondingly increased in size; lead waste pipe shall not be of less weight than the grade known as extra light.

Sec 14

Waste Pipes

Each and every fixture having a waste pipe shall be separately and independently trapped with a water sealing trap as near the fixture as practicable, and each trap shall be protected from siphonage and air pressure by a special vent pipe. Waste from bath tubs and wash trays shall be connected to a drum trap with trap screw not less than three inches in diameter; trap to be accessible. Everywhere practicable, the waste pipe from fixtures shall enter the soil pipe at a point beyond the lead bend.

Sec 15

Waste pipe - Overflow

Waste pipes from refrigerators or other receptacles in which provisions are stored, shall not be connected directly with the drainage system, but shall be arranged to waste into an open tray or sink in open sight below the refrigerator. The sink or tray may be connected with the drainage system when properly trapped with a drum trap and a round way stop cock between drainage system and trap, and properly vented as per rules for other traps. No sediment from boiler or drain tube, from stop and waste cocks shall be connected directly

96 Continued

with any waste or sewer. Waste or overflow pipes from safs, under water closets or other fixtures, or from tanks or cisterns, shall in no case be connected directly with the drainage system, but shall be run to some place in open sight.

Sec 16

Water Closets

Every water closet or group of water closets within a building shall be flushed from a separate tank or cistern, the flush tank to be not less than one and one-quarter (1-1/4) inches. All water closets shall be connected to lead bend with brass flanges.

Outside Water Closets

Sec 17

Outside water closets must be separately trapped, with clean out on trap. Soil pipe to have lead connections flanged on floor to receive hopper. Trap and soil pipe to be cast-iron and to extend at least three feet outside of vault. Hopper to be flushed with lead, attached to heavy chain or rod. Waste of valve to be connected by brass nipples and and trapped when connected to sewer outside of closet trap. Trap and valve for water closet to be placed in vault below freezing and accessible for repairs. Vault to be built of brick or heavy planking. Every outside closet to have a separate stop and waste cock and proper air chamber. No hopper pan or plunger closets allowed inside any building in the city of Grand Junction.

Repair Permits

Sec 18

When additional fixtures are required or alterations are to be made, which cannot be practically constructed in accordance with the provisions of this ordinance, a special permit may be issued by the Superintendent of Sewers if in his judgment the conditions require it. And all reconstruction

96 continued

or repairs of old or condemned plumbing shall be done in accordance with the provisions of this ordinance

Fittings - Main Soil Pipe

Sec 19 All fittings ten feet or more from the main soil pipe shall have waste or soil pipe continued through the roof and back vented same as other fixtures

Old Buildings

Sec 20 When Plumbing or repairs of plumbing is required to be done in old buildings, or by reason of complaint by the board of Health or Superintendent of Sewers, on account of sanitary defect or violation of ordinances, such plumbing must be carried on under the direction of the Superintendent of Sewers, and when completed, inspected and accepted by him. When sanitary inspection has shown the plumbing or drainage in any building which is or may be occupied, to be in a condition which endangers health, such drainage or plumbing shall be altered so as to comply in every respect with the provisions of this ordinance, and alterations of such plumbing must, when finished, be submitted to the Superintendent of Sewers for Approval

Non Syphoning Trap

Sec 21 When it is not practicable to run a back vent of any trap to the open air, a non syphoning trap shall be used. Anti-syphon trap vents not allowed

Tie Drain Pipe

Sec 22 The connections between iron and tile pipe, when iron pipe is smaller than the tile pipe, shall be made with cast-iron sewer cap and cement. In no case will tile drain pipe be allowed under or through any brick or stone wall or under the floor of any building

Shut Off Backflowing

Sec 23 Every fixture or group of fixtures

76 Continued

supplied with city water shall have a separate shut off. The Backfilling of any trench or any street or alley in which water or sewer pipe has been laid, shall be settled with water or by ramming, and said street or alley left in as good condition as before the trench was opened.

Sand Traps

Sec 24 All stable, barn or carriage house having a wash rack on which wagons, carriages, hacks, buggies, buses or other vehicles are washed, and connected with the city sewer shall be provided with a sand trap, the diameter of which shall not be less than twenty-four inches, the depth not less than forty eight inches. Sand traps to be constructed of tile or brick. When brick is used, it shall have eight inch walls and plastered on all sides with best hydraulic Portland cement, six inch thick.

When Must Connect With Sewer

Sec 25 Every vault or privy on, upon or belonging to any residence, factory, mill, warehouse, out-house, store, office or other building together with all drainages from bath tubs, sinks, or basins therein located on any lot or lots or lands adjoining to or abutting upon or near any street or alley or other place through which there is a public or private or district sewer connected with the sanitary sewer of said city shall be connected by the owner or owners of the property or his or their agent or other persons having charge of or receiving the rents of or being tenants of the same with which public or private or district sewer when required to do so by order or and notice from the sewer committee of the city, which order and notice shall be served upon the owner or owners of said property by the Marshal or any policeman of the city, and if said owner or owners or his or their agent or other person having charge of said property

76 continued

who shall have been served with said order and notice shall fail within the time indicated in such notice to comply with the requirements of such order or fail to show good cause to the said sewer committee why he or they cannot or ought not to comply with such order, he shall upon conviction be fined not less than five dollars nor more than one hundred dollars.

Violation-Misdeemeanor-Penalty.

Sec 26 Any person or persons failing, neglecting, omitting, resisting, or refusing to comply with any of the conditions, terms, regulations or requirements of this ordinance, shall, upon conviction be fined in a sum of not less than ten dollars nor more than one hundred for each offense, and each days failure, neglect or refusal to comply with the provisions of this ordinance shall be deemed a separate and distinct offense, and shall be fined as in other cases.

Plumbers

Sec 27 No Plumber or other person shall open or uncloze any public or district sewer, or lay, or cause to be laid, in any public street alley or highway any drain or other connection with any sewer located there in except in strict pursuance of a permit in writing from the sewer superintendent or sewer committee, which permit must be on the ground during the whole time the work is in progress, and exhibited to any policeman or city officer who may ask to see it.

Permits

Sec 28 Permits shall be issued to licensed plumbers whose licenses have not been revoked, and may be issued to any competent person in the discretion of the superintendent or sewer committee and the work done in pursuance of such permit must be in strict accordance with the regulations established by the

96 Continued.

City Council and instructions of the Superintendent or Sewer Committee

Sec 29 Plan of Drain

All applications for permits must be made in writing and signed by the applicant, and must be accompanied by a plan showing the whole course of the drain which it is desired to construct, with the size and location of any and all branches and fixtures or traps to be connected therewith, said plan or copy thereof to be left with the application in the office of the Superintendent

Ordinance - How Constructed

Sec 30 It is the meaning and intention of this ordinance to protect the City from unnecessary expense and from any unsanitary conditions in the handling and maintenance of its sewers.

It is also meant and intended that no hardship or unnecessary expense shall be imposed upon any property owner using the sewers.

All the foregoing rules and regulations shall be constructed that the sewer user and his neighbor shall be protected as nearly as possible from all unsanitary conditions inside the private property as well as outside.

In case of differences arising from decisions made by the Sewer Superintendent, appeal may be made to the Sewer Committee.

Superintendent

Sec 31 The Superintendent of Water Works shall be also Ex Officio Superintendent of sewers and shall perform the duties therein imposed upon him, and such further duties as the City Council may hereafter direct.

Sewer Committee

Sec 32 The Water Works Committee appointed under the provisions of Ordinance No. 92 shall have letter control and

96 Continued.

supervision over the sewers of this
city, as in and by said Ordinance
they have over the Water Works of
said City.

Passed and adopted this
18 day of July, A. D. 1900.

J. D. Mayor.

Attest:

Truman H. Hatcher,
City Clerk.

