



IRRIGATION SYSTEM INSTALLATION Informational Handout

City Ordinances adopted on March 6, 2006 stipulate that all irrigation system installations require permitting by the City of Hastings.

The following requirements apply to all residential, commercial/industrial, and institutional irrigation systems:

Permitting & Inspection Requirements

- An Irrigation Permit is required by City Ordinance. Failure to secure a permit before work has commenced can result in an investigation fee in addition to the required permit fees.
- All plumbing work associated with the installation of an irrigation system must be performed by a State of Minnesota Licensed plumber. Proof of this license must be presented to the City's Building Safety Department or be on file with the Department at the time of application for the irrigation system permit.
- The Irrigation contractor must hold a current State of Minnesota Technology Systems license. Proof of this license must be presented to the City's Building Safety Department or be on file with the Department at the time of application for the irrigation system permit.
- A violation of the code is a misdemeanor under Minnesota Statutes, Section 16B.69. A citation to appear in court may be issued in addition to required permit fees.
- Final Inspection shall be made for all work for which a permit is issued per Minnesota State Code 1300.0210. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Please provide 24 hours notice for inspection request.
- The City will assess 1 WAC Charge (Current WAC Rate at time of permit issuance) on all irrigation installations in which a separate meter is required.

Construction Requirements

- Irrigation systems must be separately metered, with the exception of those for single family homes
- Backflow prevention is required on all irrigation systems, via RPZ valves or other approved means
- Annual inspection of RPZ valves must be conducted and the results presented to the City Public Works Department
- RPZ valves must be re-built every five (5) years, in accordance with Minnesota Department of Health rules
- Rain sensors are required to be tied into all irrigation control systems per Minnesota Statutes 103G.298, originally legislated in 2002
- All outdoor meter/valve/control assemblies must be enclosed in a protective and secure box as shown in the attached details
- All irrigation system header lines may be installed no closer than 5 feet from the edge of the street or back of curb.

Please see the following pages for a copy of the new City ordinances, and for additional construction requirement information.

CHAPTER 150

CONSTRUCTION REGULATIONS

§ 150.11 IRRIGATION SYSTEMS.

(A) *Permit required.* An irrigation permit issued by the Building Department is required prior to the installation of all turf and landscaping irrigation systems. The Building Department will conduct an inspection to review the proper installation of a backflow prevention device in accordance with Minnesota Health Department standards, and the installation of a rain sensor device in accordance with M.S. § 103G.298, as it may be amended from time to time.

(B) *Permit fee.* The irrigation permit fee shall be as set by resolution adopted by the City Council.

(C) *Installation standards.* All new and existing outdoor meter installations are required to be sheltered by a protective box that meets the standards established by the Public Works Department and adopted by the City Council. All irrigation system installations within the public right-of-way shall be installed as outlined in the Public Works Department irrigation installation guidelines. All property owners are solely responsible for repairing, replacing, or relocating irrigation system installations as needed within the public right-of-way.

(Ord. 545, passed 3-6-2006) Penalty, see § 10.99

CHAPTER 51

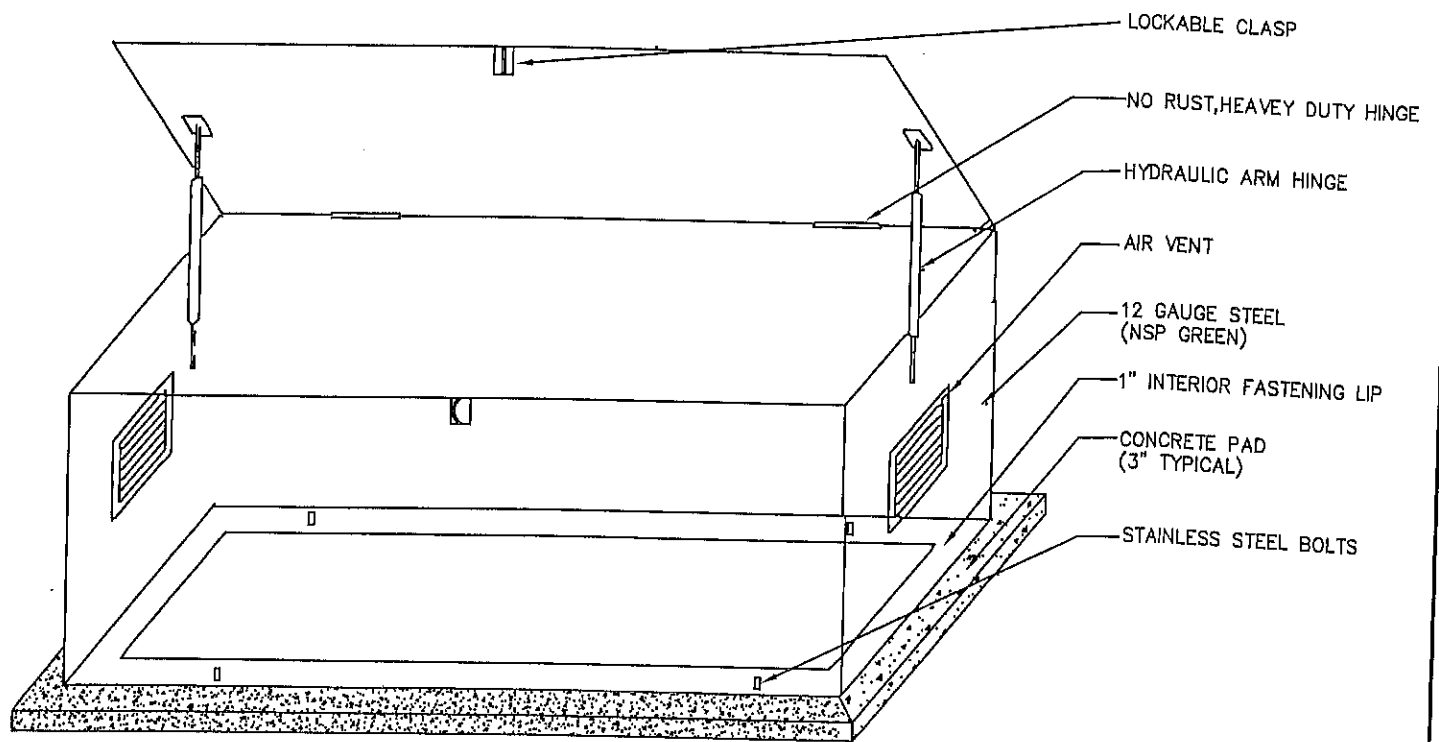
UTILITIES

SECTION 51.05 RULES AND REGULATIONS – WATER AND SEWER.

(L) *RPZ reporting requirements.* All facilities with RPZ installations shall forward a copy of the Minnesota Department of Health required annual inspection report to the Public Works Department for review. Failure to provide the Public Works Department with a copy of the RPZ annual inspection report may result in disconnection of the water service.

(Ord. 545, passed 3-6-2006)

Penalty, see § 10.99



STANDARD 58" BOX
 AS MANUFACTURED BY POVOLNY CO.
 OR APPROVED EQUAL.



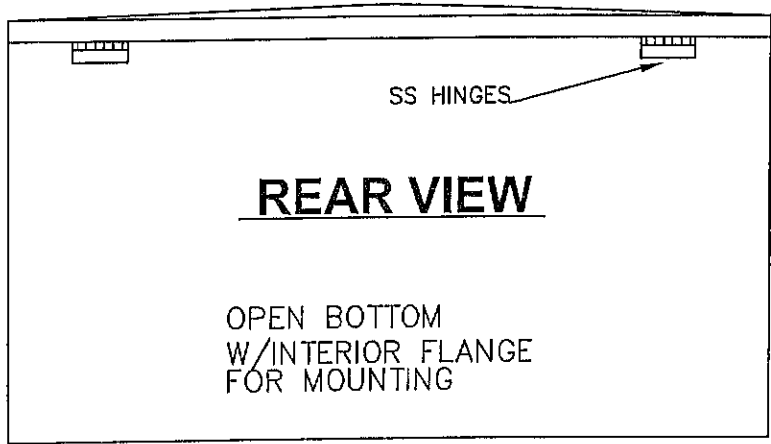
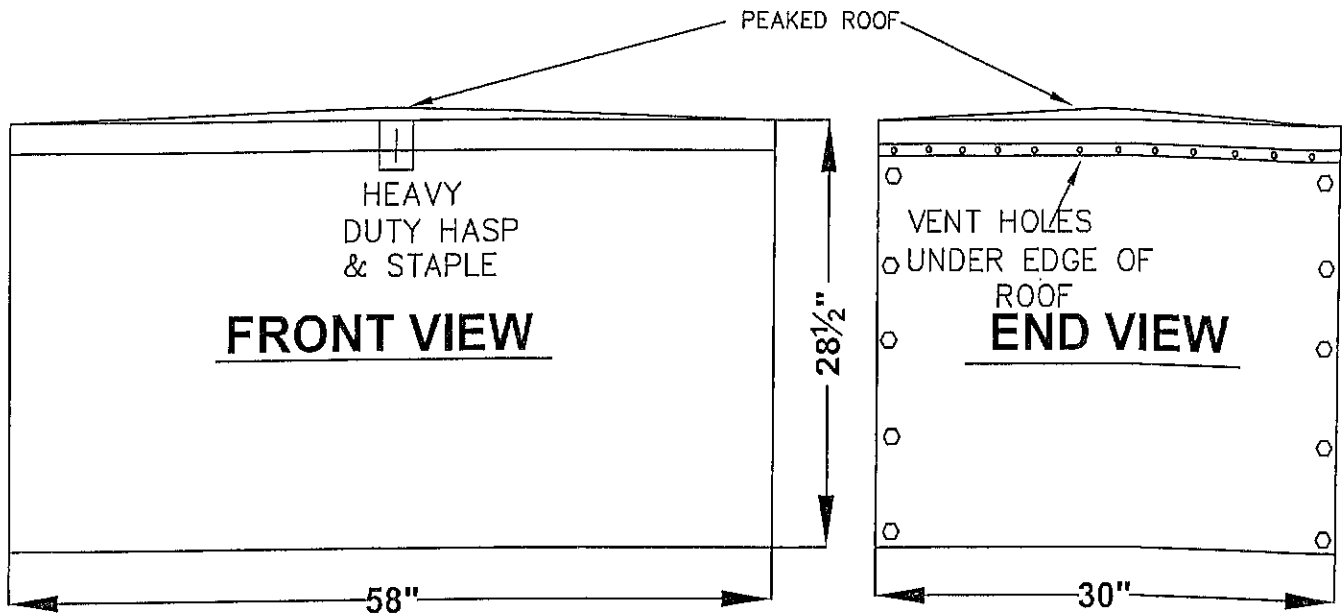
CITY OF HASTINGS
 STANDARD PLATES

IRRIGATION BOX DETAIL

PLATE NO. 300-17

DATE FEB. 2006

DATE REVISED FEB. 2/23/06



BOX CONSTRUCTION

14GA. PAINT GRIP BIX
12GA. PAINT GRIP STEEL ROOF
PAINTED NSP GREEN

GAS SHOCKS INSIDE TO
SUPPORT LID WHEN OPENED
W/AJUSTABLE BRACKETS
WELDED TO FRAME

STANDARD 58" BOX AS MANUFACTURED
BY POVOLNY COMPANY OR APPROVED
EQUAL



**CITY OF HASTINGS
STANDARD PLATES**

IRRIGATION BOX DETAIL

PLATE NO. 300-18

DATE REVISED 2/23/06

QUICK COUPLING VALVE FOR WINTER BLOW-OUT

GAUGE STEEL ENCLOSURE
PAINTED NSP GREEN

BALL VALVES ONLY

2" RPZ DEVICE

2" METER

MIN. 12" ABOVE
FINAL GRADE
1" PLUG
(BLOWOUT POINT)

CURB STOP

PVC SLEEVE

TO SYSTEM

AIR GAP DRAIN

3.5" CONCRETE FLOOR OR
6 1/2" WASHED ROCK

CITY TAP
TAPPING SLEEVE OR
CORPORATION STOP/
ON SERVICE CLAMP

IRRIGATION RPZ AND METER DETAIL

PLATE NO. 300-16
DATE FEB. 2006
DATE REVISED 3/28/2006

CITY OF HASTINGS
STANDARD PLATES



CITY OF HASTINGS