Plan View

Set cover of valve box and collar 1/4" below grade in pavement or shoulder and 4" above elsewhere (typ.).

Cast iron traffic lid (typ.)

Pavement section

Existing main

Pipe coupon, min. length 2x valve joint intersection

Valve (type as shown), wrap valve with 40 mil. polyethylene film

MJ solid sleeve long body, certified round restrain as required, minimum 6" between enclosed pipe ends.

MJ sleeve not allowed on new water mains.

Concrete collar

Valve box and cover

#4 rebar (typ.)

1'-6" square 3000 p.s.i. concrete collar or concrete sidewalk

Cast iron valve box (typ.)

8" typ.

6" i.d.

Valve nut

24" min.

6" (typ.)

Approved pipe bedding material

Concrete block under body of buried valves:
8" x 8" x 6" minimum for valves 10" and smaller,
12" x 12" x 6" minimum for valves 12" and larger
Or pre-mix concrete sacks can be used #, as required

City of Round Rock

Gate Valve Detail

Drafting No: WT-22

Record signed copy on file at U&ES Department

Approved

03-01-18

Date

The architect/engineer assumes responsibility for the appropriate use of this detail (not to scale)