|  | Mロา」 |  |  |  | U <br> 1 <br> $\frac{1}{4}$ <br> $\frac{4}{2}$ <br> 台 <br> 学 <br> ๗̀ <br>  <br>  | cl |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FOR： | UTILITIES ENGINEERING DIVISION |  |  | CITY OF NAPLES |  |  |
| DATE：SEPT 2010 | $\begin{gathered} 3 / 4 " \text { TO 2" REDUCED } \\ \text { PRESSURE BACKFLOW ASSEMBLY } \end{gathered}$ |  |  | SHEET：W－01 |  |  |
| DRAWN：JAF |  |  |  | DIR：WATE |  |  |
| SCALE：N．T．S． | 380 RIVERSIDE CIRCLE，NAPLES，FL． 34102 |  |  | DWG．W－01．DWG |  |  |




## STANDARD BADGER RECORDALL METERS AND REGISTERS WITH ITRON RADIO READ PACKAGE AND NSF61 APPROVED

## FSAA W/ DISC BYPASS



| ITEM <br> NO. | PART |
| ---: | :--- |
| 1 | STRAINER |
| 2 | GASKET |
| 3 | BOLTS |
| 4 | NUTS |
| 5 | WASHERS |
| 6 | CI TURBO SERIES METER |
| 7 | REGISTER-MAIN LINE TURBO |
| 8 | CHECK VALVE,MAIN LINE |
| 9 | NIPPLES |
| 10 | BALL VALVE |
| 11 | ELBOW |
| 12 | HALF NIPPLE |
| 13 | COUPLER |
| 14 | FLANGES |
| 15 | O-RING |
| 16 | BOLTS |
| 17 | NUTS |
| 18 | WASHERS |
| 19 | DISC SERIES METER |
| 20 | CHECK VALVE-BYPASS |
| 21 | NIPPLES |
| 22 | NIPPLES |
| 23 | STUDS(6"\&8"ONLY) |
| 24 | JAM NUTS (6"\&8"ONLY) |
| 25 | WASHER |
| 31 | TEE |
| 32 | PIPE PLUG |
| 33 | NIPPLE |
| 34 | NIPPLE |


| FOR: | UTILITIES ENGINEERING DIVISION | CITY OF NAPLES |
| :---: | :---: | :---: |
| DATE: SEPT 2010 | 4" AND LARGER COMBINATION | SHEET: W-04 |
| DRAWN: JAF | FIRE \& DOMESTIC METER ASSEMBLY | DIR: WATER |
| SCALE: N.T.S. | 380 RIVERSIDE CIRCLE, NAPLES, FL. 34102 | DWG. W-04.DWG |




## CITY DF NAPLES

TYPICAL INSTALLATIUN DETAIL FGR FIRE HYDRANT WITH ND LARGER THAN 2 INCH TEMPDRARY WATER SERVICE

1. CDNTRACTDR/CUSTDMER SHALL APPLY AT CITY DF NAPLES WATER CDMPANY FDR TEMPDRARY WATER SERVICE THREE DAYS PRIDR TD REQUIRED SERVICE DATE.
2. METER, LICKABLE STAINLESS STEEL BALL VALVE AND PIPE SUPPDRT WILL BE FURNISHED AND installed by City ar naples water campany.
3. ALL FIttings, Piping, Valves and materials including the approved reduced pressure backfldw preventidn device shall be furnished, installed and tested by city af naples water campany.
4. CINTRACTIR/CUSTIMER SHALL PRIVIDE PRDTECTIGN FDR ASSEMBLY FRDM DAMAGE.
5. the cantractar/Custamer shall provide a lack for use with ball valve and shall use anly THE BALL VALVE, NDT THE HYDRANT VALVE, FDR CDNTRDLLING WATER USED FRDM THE FIRE HYDRANT.
6. BY APPLYING FIR SERVICE, CDNTRACTDR/CUSTIMER AGREES TD TAKE WATER SERVICE FRDM CITY OF NAPLES WATER CDMPANY IN ACCDRDANCE WITH THE APPRDPRIATE RATE SCHEDULE AND IN ACCDRDANCE WITH CIMPANY RULES AND REGULATIDNS, $\square R$ ANY SUPERSEDING RATE SCHEDULE AND/DR RULES AND REGULATIONS.

WARNING
CONTRACTOR/CUSTOMER SHALL NOT OPERATE OR USE HYDRANT VALVE, but shall use ball valve ONLY FOR REGULATING FLOW OF WATER WHEN USING.


THIS DETAIL CONSTITUTES MINIMUM STANDARDS. DESIGN Engineers shall provide
STANDARDS EQUAL TO OR
greater than these.

| FOR: |  | UTILITIES ENGINEERING DIVISION | CITY OF NAPLES |  |
| :--- | :---: | :---: | :--- | :--- |
| DATE: SEPT 2010 | TEMPORARY WATER SERVICE - | SHEET: W-07 |  |  |
|  | DRAWN: JAF | $F I R E \quad H Y D R A N T \quad C O N N E C T I O N$ | DIR: WATER |  |
| SCALE: | N.T.S. | 380 RIVERSIDE CIRCLE, NAPLES, FL. 34102 | DWG. | W-07.DWG |




NOTES:
1)NO FIRE HYDRANT CONNECTIONS OR DOMESTIC SERVICE CONNECTIONS PERMITTED DOWNSTREAM OF ASSEMBLY.
2)ASSEMBLY WILL BE OWNED AND MAINTAINED BY PROPERTY OWNER, STARTING FROM THE GATE VALVE AT PROPERTY LINE. PLACE BOLLARDS AROUND ASSEMBLY IF NECESSARY.
3)BACKFLOW DEVICE REQUIRES INITIAL CERTIFICATION BY AN APPROVED CERTIFIED TESTER, WITH RESULTS AND ANNUAL TEST RESULTS SUBMITTED TO THE CITY WATER DEPARTMENT.
4)ALL PLANTING SHALL BE A MINIMUM OF 3 ' FROM EDGE OF SLAB, AND SHALL PROVIDE A 3 ' ACCESS OPENING.
5)THIS ASSEMBLY SHALL BE PAINTED WITH RED EPOXY PAINT.
6)ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.
7)PROVIDE $3 / 4$ " BYPASS WITH FLOW METER.

THIS DETAIL CONSTITUTES MINIMUM STANDARDS. DESIGN ENGINEERS SHALL PROVIDE STANDARDS EQUAL TO OR GREATER THAN THESE.

| FOR: |  | UTILITIES ENGINEERING DIVISION | CITY OF NAPLES |
| :---: | :---: | :---: | :--- |
| DATE: SEPT 2010 | $2 " \& 3 " F I R E \quad$ SYSTEM DETECTOR CHECK | SHEET: W-09 |  |
|  | DRAWN: $\quad$ JAF | $A S S E M B L Y W / 0$ FH DOWNSTREAM | DIR: WATER |
| SCALE: | N.T.S. | 380 RIVERSIDE CIRCLE, NAPLES, FL. 34102 | DWG. W-09.DWG |

