

# TYPICAL WATER METER DETAIL $(\frac{3}{4}\underline{"}-1\underline{"})$

TYPICAL WATER METER DETAIL  $(\frac{3}{4}$ " - 1") FOR FUTURE CUSTOMER CONNECTIONS (FOR GSWSA RURAL & CAPITAL PROJECTS ONLY)

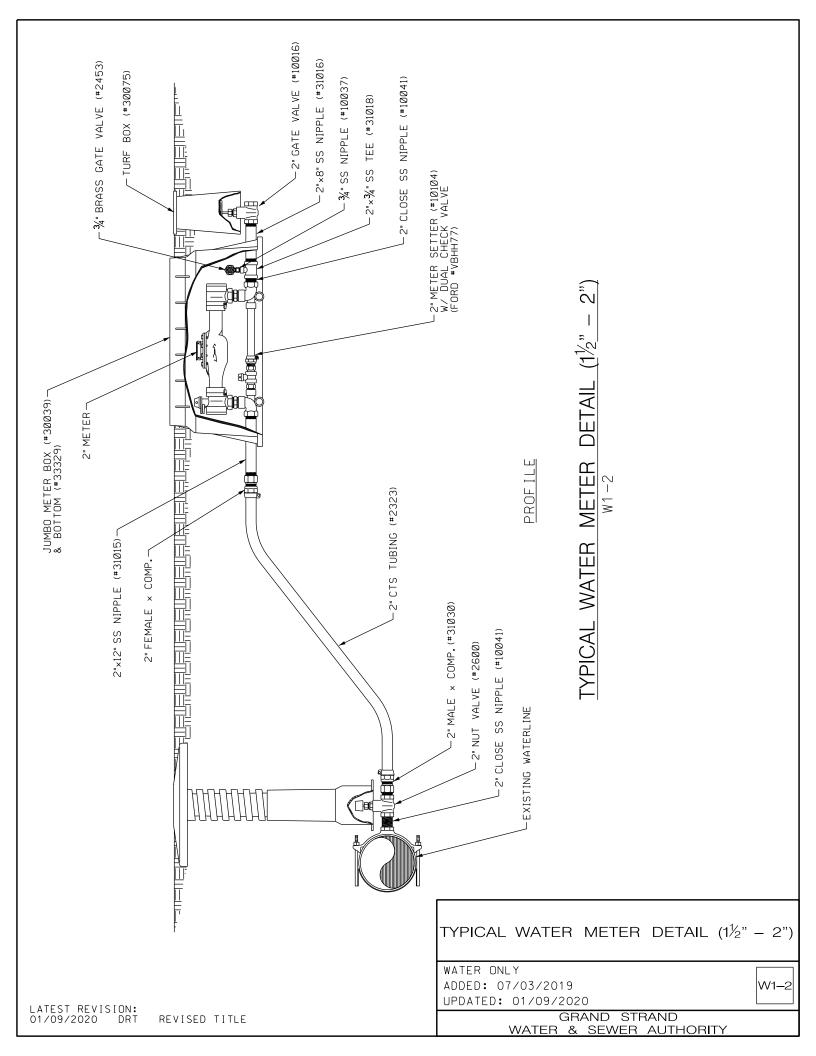
WATER ONLY

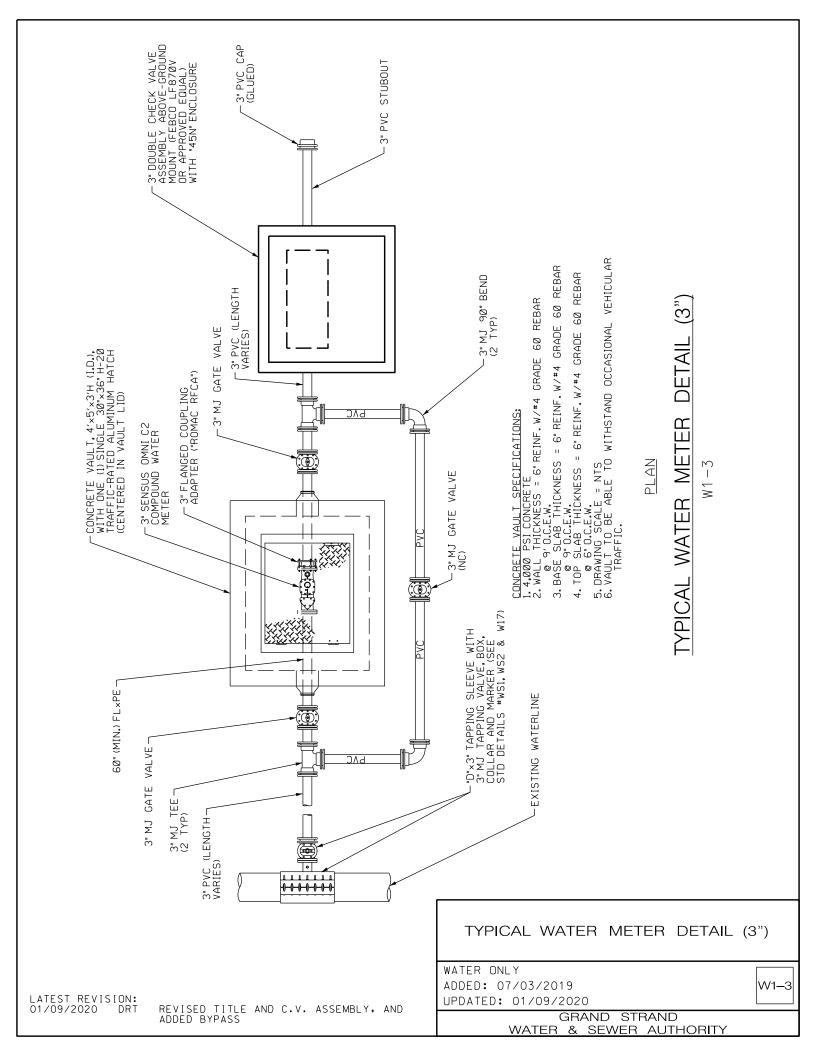
UPDATED: 01/09/2020

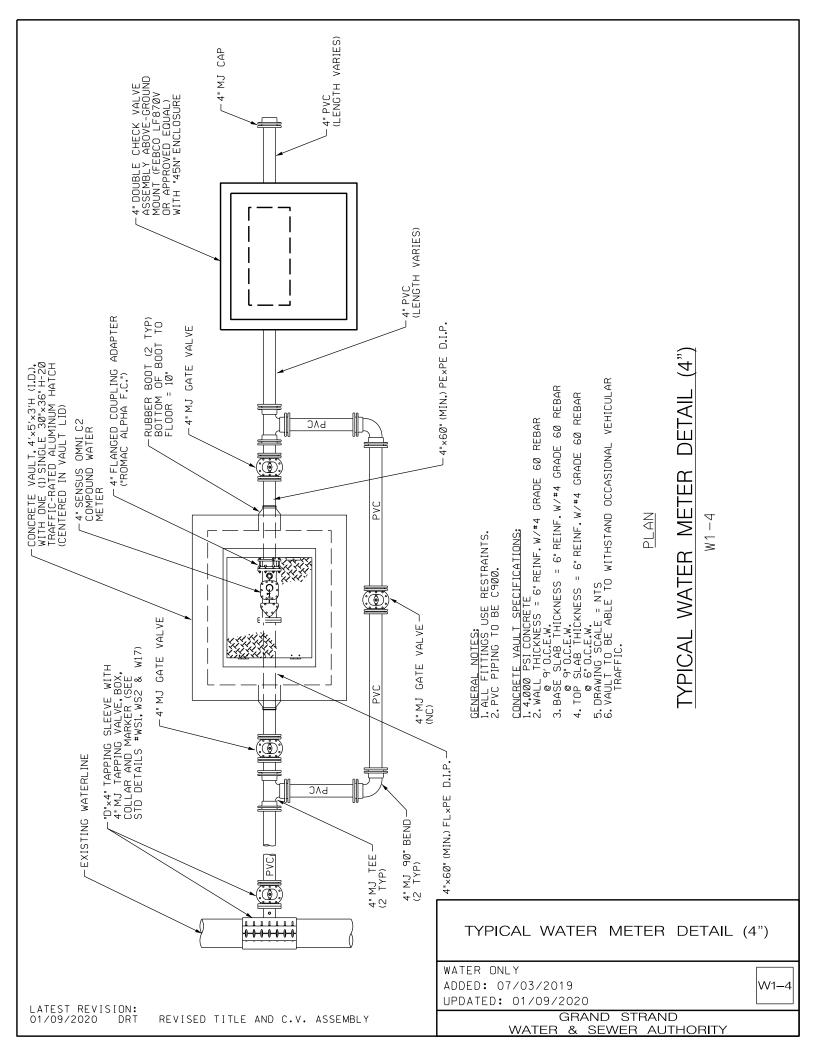
W1

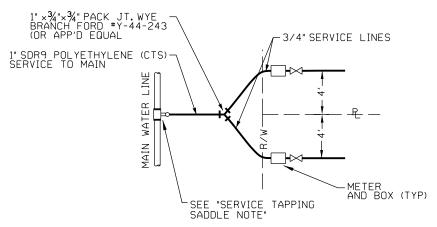
LATEST REVISION: 10/29/2014 DRT 01/09/2020 DRT

CORRECTED METER BOX SPECIFICATIONS REVISED TITLE



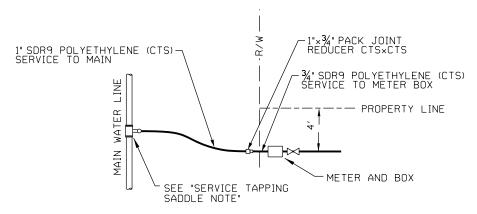






#### PLAN

# TYPICAL DOUBLE SERVICE CONNECTION



SERVICE TAPPING SADDLE NOTE: SMITH-BLAIR SINGLE STRAP, NYLON-COATED WITH WIDE SST BANDS NO. 315; OR SMITH-BLAIR DOUBLE STRAP, NYLON-COATED WITH WIDE SST BANDS NO. 317.

#### PLAN

# TYPICAL SINGLE SERVICE CONNECTION

W3

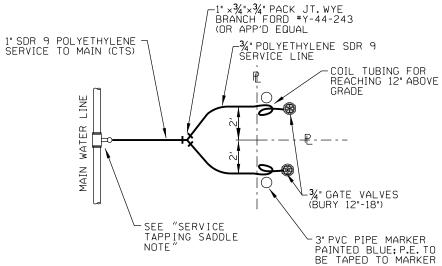
TYPICAL WATER SERVICE DETAIL
FOR FUTURE CUSTOMER CONNECTIONS
(FOR GSWSA RURAL & CAPITAL
PROJECTS ONLY)

WATER ONLY

UPDATED: 06/19/09

W3

LATEST REVISION: 06/19/09 DRT CHANGED TEE TO WYE, ADDED PACK JOINT REDUCER AND REVISED SIZES.



#### PLAN

# TYPICAL DOUBLE SERVICE CONNECTION FOR FUTURE CUSTOMER CONNECTIONS (FOR DEVELOPER PROJECTS ONLY)

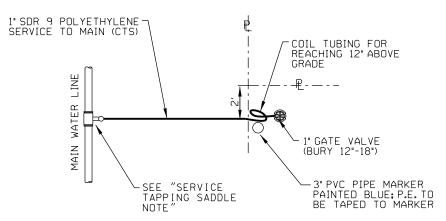
W4

# TYPICAL DOUBLE SERVICE CONNECTION FOR FUTURE CUSTOMER CONNECTIONS (FOR DEVELOPER PROJECTS ONLY)

WATER ONLY

UPDATED: 6/26/02

W4



**PLAN** 

TYPICAL SINGLE SERVICE CONNECTION
FOR FUTURE CUSTOMER CONNECTIONS
(FOR DEVELOPER PROJECTS ONLY)

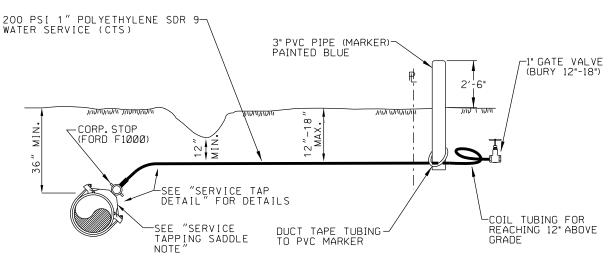
W5

TYPICAL
SINGLE SERVICE CONNECTION
FOR FUTURE CUSTOMER CONNECTIONS
(FOR DEVELOPER PROJECTS ONLY)

WATER ONLY

UPDATED: 6/26/02

W5



# TYPICAL WATER SERVICE DETAIL FOR FUTURE CUSTOMER CONNECTIONS (FOR DEVELOPER PROJECTS ONLY)

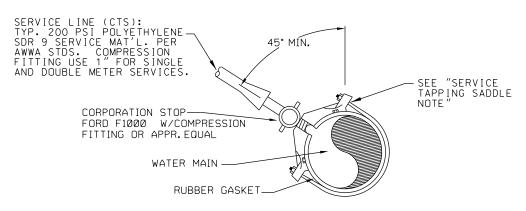
W6

TYPICAL
WATER SERVICE DETAIL
FOR FUTURE CUSTOMER CONNECTIONS
(FOR DEVELOPER PROJECTS ONLY)

WATER ONLY

UPDATED: 6/26/02

W6



# TYPICAL SERVICE TAP

W7

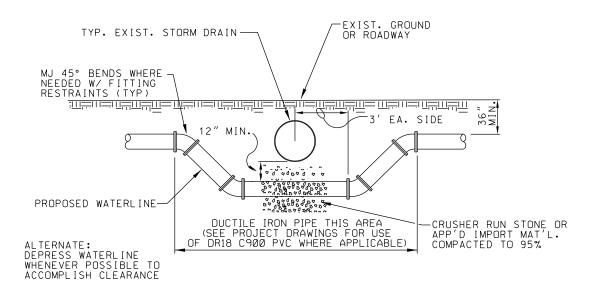
TYPICAL SERVICE TAP

WATER ONLY

UPDATED: 08/28/06

W7

LATEST REVISION: 8/28/06 DRT CHANGED "IPS" TO "CTS" SERVICE LINE



### TYPICAL STORM DRAIN CROSSING

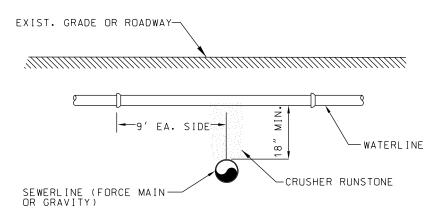
W8

TYPICAL STORM DRAIN CROSSING

WATER ONLY

UPDATED: 5/13/02

W8



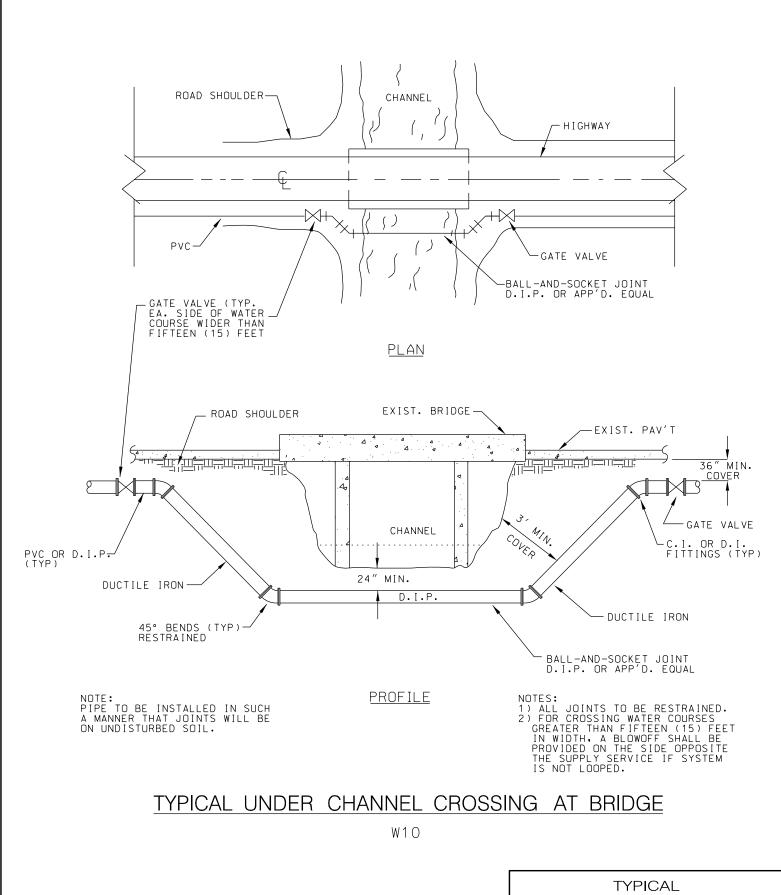
# TYPICAL SEWERLINE CROSSING

W9

TYPICAL SEWERLINE CROSSING

WATER ONLY
UPDATED: 2/16/98

W9

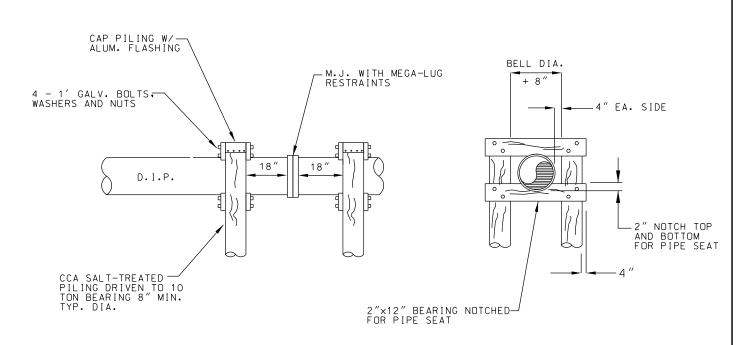


#### TYPICAL UNDER CHANNEL CROSSING AT BRIDGE

WATER ONLY

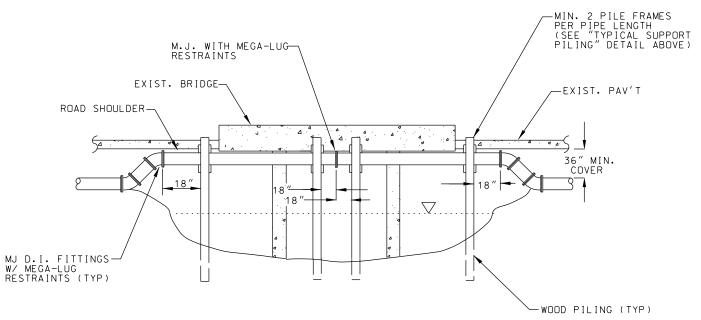
UPDATED: 12/26/97

W10



#### TYPICAL SUPPORT PILING

NOTE: GSWSA TO APPROVE CONTRACTORS PROPOSED LOCATION OF PILE FRAMES PRIOR TO INSTALLATION



# TYPICAL ABOVE CHANNEL CROSSING AT BRIDGE

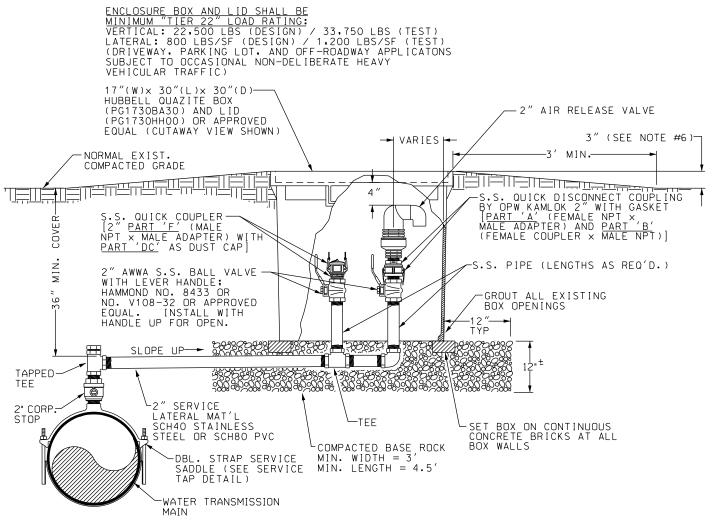
W11

TYPICAL
ABOVE CHANNEL
CROSSING AT BRIDGE

WATER ONLY

UPDATED: 12/26/97

W11



#### NOTES:

- 1) AIR RELEASE VALVE SHALL BE INSTALLED ON THE HIGH POINT OF WATER MAIN.
  2) ALL MATERIALS & EQUIPMENT TO BE PER AWWA SPEC'S.
  3) AIR RELEASE SHALL BE VALMATIC NO. 38, A.R.I. MODEL D-040.2 OR APPROVED EQUAL
  4) CORP. STOP, PIPING, FITTINGS, AND VALVES TO BE SAME DIAMETER AS AIR RELEASE VALVE INLET.
  5) LIMIT OF PAY ITEMS INCLUDES SERVICE SADDLE.
- 6) ARV ASSEMBLIES INSTALLED IN ROAD RIGHTS-OF-WAY MUST BE FLUSH WITH EXISTING SHOULDER GRADE. INSTALLATIONS IN EASEMENT AREAS SHALL BE RAISED ABOVE EXISTING GRADE AS SHOWN IN DETAIL.
  7) 2" TEE, NIPPLE & BALL VALVE TO BE STD AWWA OR APPROVED EQUAL. NIPPLES & I VALVES SHALL BE STAINLESS STEEL.
- NIPPLES & BALL

### TYPICAL AIR RELEASE VALVE ASSEMBLY

W12

**TYPICAL** AIR RELEASE VALVE **ASSEMBLY** LATEST REVISION:

07/18/08

DRT

DESCRIBED PARTS 'A' & 'B' FOR A.R.V. QUICK DISCONNECT AND CHANGED PART 'A' TO PART 'F' FOR OTHER QUICK DISCONNECT. REMOVED NOTE FOR STABILITY BLOCKING INSIDENCE. CHANGED ENCLOSURE SUPPLIER FROM STRONGWELL TO INSIDE

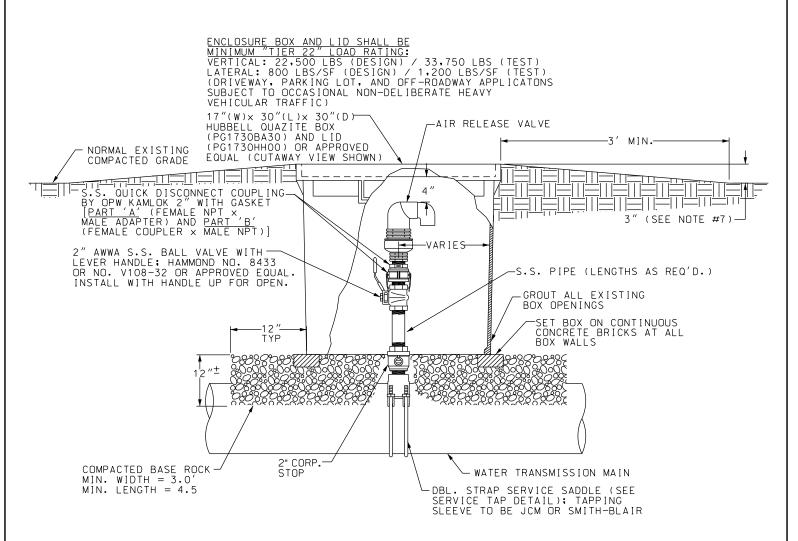
HUBBELL. CHANGED LID TO "HH" (TIER 22) AND ADDED NOTE FOR TIER 22 ENCLOSURE BOX AND LID. 12/02/2013 DRT

WATER ONLY

UPDATED: 12/02/2013

GRAND STRAND WATER & SEWER AUTHORITY

W12



#### NOTES:

- 1) AIR RELEASE VALVE SHALL BE INSTALLED ON THE HIGH POINT OF WATER MAIN.
  2) ALL MATERIALS & EQUIPMENT TO BE PER AWWA SPEC'S.
  3) AIR RELEASE SHALL BE A.R.I. MODEL D-040.2.
  4) CORPORATION STOP, S.S. PIPE, FITTINGS, AND PIPING TO BE SAME DIAMETER AS AIR RELEASE VALVE INLET.

- AIR RELEASE VALVE INLET.

  5) AIR RELEASE VALVES MUST BE NSF APPROVED.

  6) LIMIT OF PAY ITEMS INCLUDES SERVICE SADDLE.

  7) ARV ASSEMBLIES INSTALLED IN ROAD RIGHTS-OF-WAY MUST BE FLUSH WITH EXISTING SHOULDER GRADE. INSTALLATIONS IN EASEMENT AREAS SHALL BE RAISED ABOVE EXISTING GRADE AS SHOWN IN DETAIL.

### TYPICAL AIR RELEASE VALVE ASSEMBLY

TYPICAL AIR RELEASE VALVE **ASSEMBLY** 

LATEST REVISION:

07/18/08 DRT

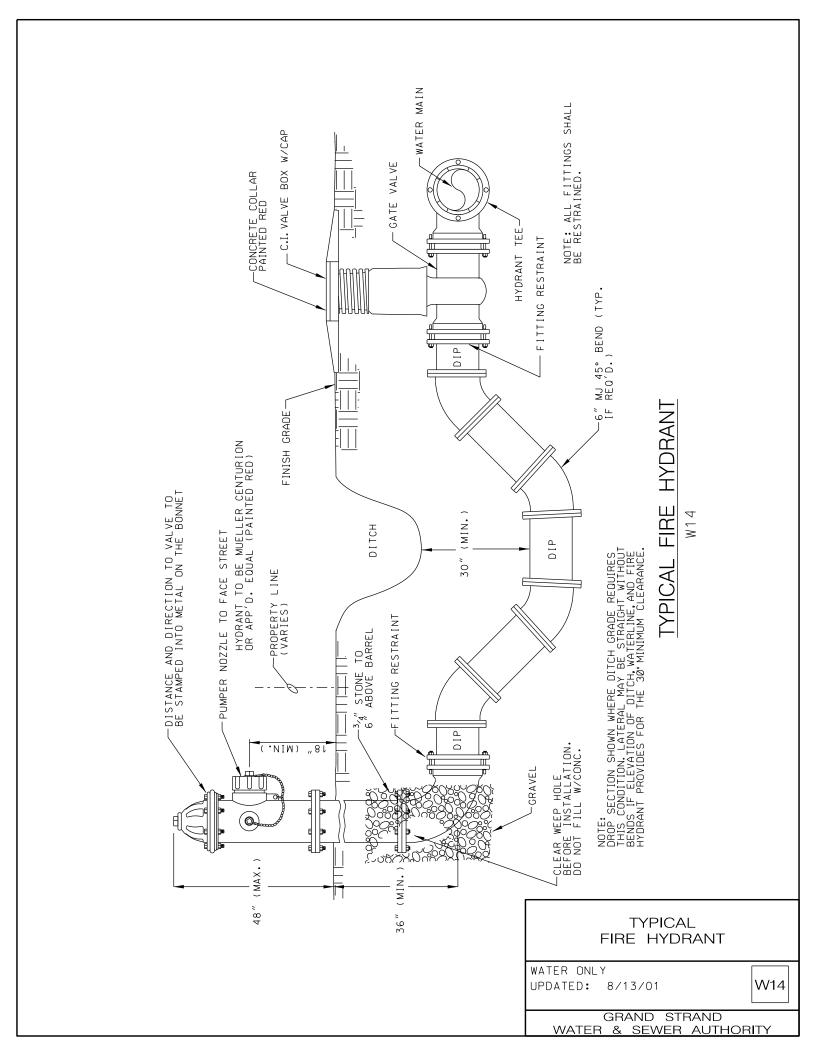
12/02/2013 DRT

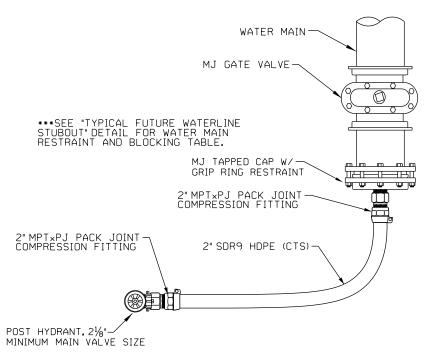
DESCRIBED PARTS 'A' & 'B' FOR QUICK DISCONNECT. REMOVED NOTE FOR STABILITY BLOCKING INSIDE BOX. CHANGED ENCLOSURE SUPPLIER FROM STRONGWELL TO HUBBELL. CHANGED LID TO "HH" (TIER 22) AND ADDED NOTE FOR TIER 22 ENCLOSURE BOX AND LID.

UPDATED: 12/02/2013

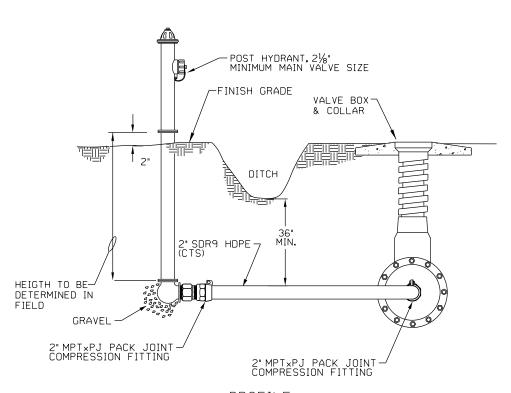
WATER ONLY

W13





PLAN



**PROFILE** 

# TYPICAL POST HYDRANT BLOW-OFF

W15

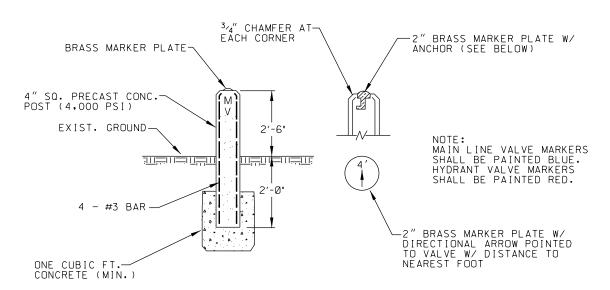
TYPICAL
POST HYDRANT BLOW-OFF

WATER ONLY

UPDATED: 06/19/09

W15

LATEST REVISION: 06/19/09 DRT CHANGED PH LEAD FROM GIP TO HDPE AND ADDED PACK JOINT FITTINGS.



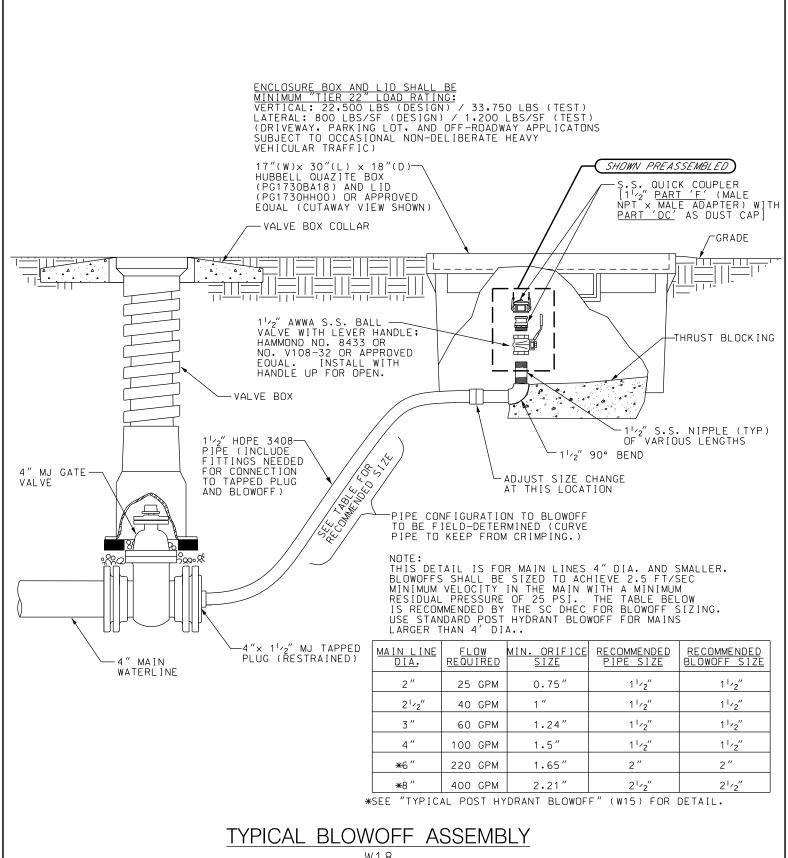
# TYPICAL CONCRETE VALVE MARKER

W17

TYPICAL CONCRETE VALVE MARKER

WATER ONLY
UPDATED: 5/13/02

W17



W18

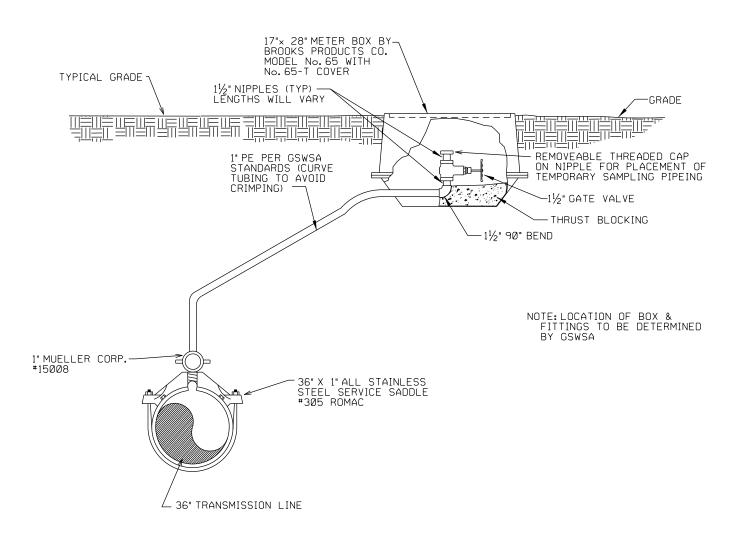
#### **TYPICAL BLOWOFF ASSEMBLY**

WATER ONLY

UPDATED: 12/02/2013

W18

LATEST REVISION: 7/18/08 DRT 7/18/08 DRT CHANGED PART 'A' TO PART 'F' FOR QUICK COUPLER.
CHANGED ENCLOSURE SUPPLIER FROM STRONGWELL TO HUBBELL.
12/02/2013 DRT ADDED NOTE FOR TIER 22 ENCLOSURE BOX AND LID.



# TYPICAL WATER SAMPLING ASSEMBLY

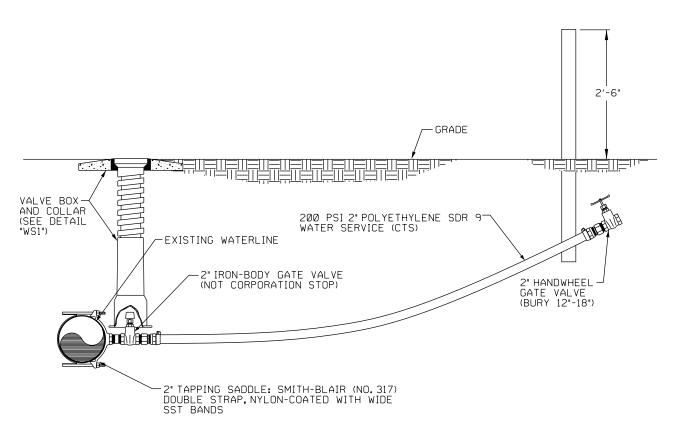
W19

TYPICAL WATER SAMPLING ASSEMBLY

WATER ONLY

UPDATED: 5/24/99

W19



ELEVATION

TYPICAL WATER SERVICE DETAIL FOR 1 1/2" - 2" METER SERVICES (FOR DEVELOPER PROJECTS ONLY)

W20

TYPICAL WATER SERVICE DETAIL FOR 1 1/2" – 2" METER SERVICES (FOR DEVELOPER PROJECTS ONLY)

WATER ONLY

UPDATED: 02/02/2010

W20

LATEST REVISION: 02/02/2010 DRT 2" HANDWHEEL G.V. TO BE BURIED RATHER THAN LEFT ABOVE GROUND.

