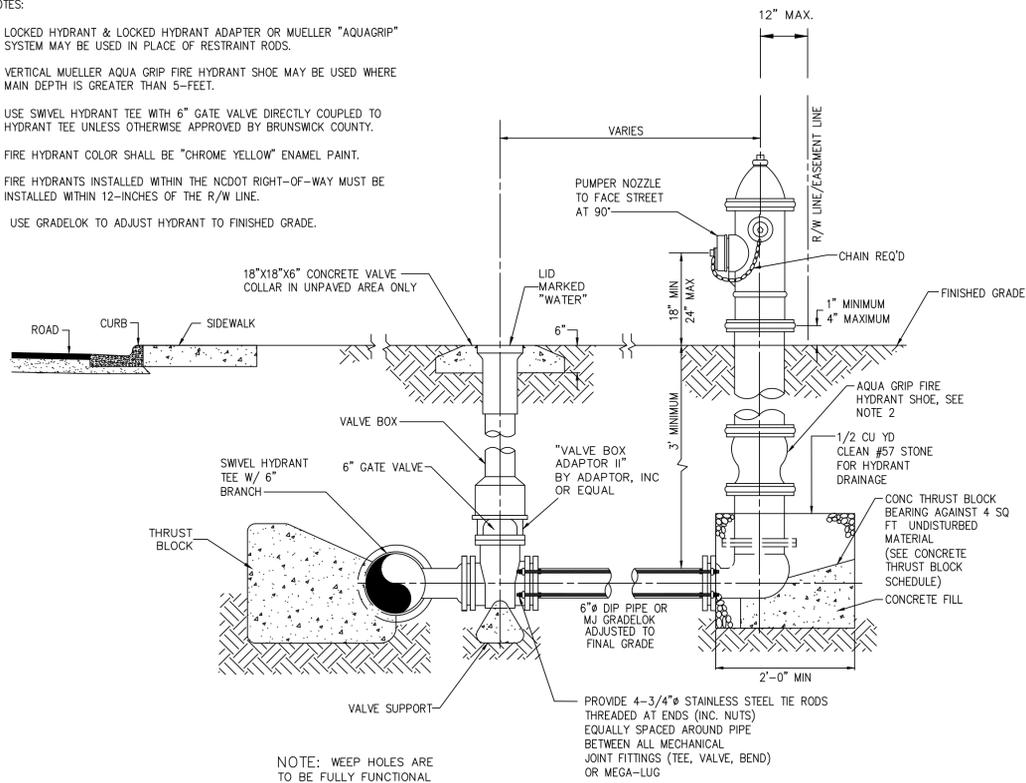


NOTES:

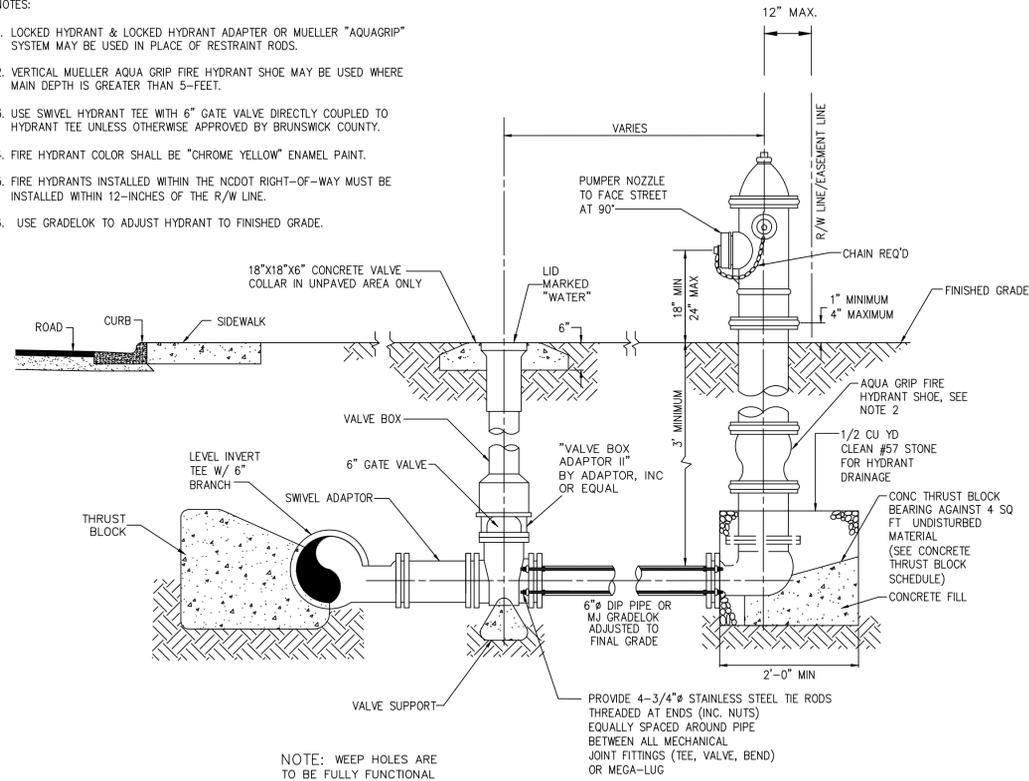
1. LOCKED HYDRANT & LOCKED HYDRANT ADAPTER OR MUELLER "AQUAGRIP" SYSTEM MAY BE USED IN PLACE OF RESTRAINT RODS.
2. VERTICAL MUELLER AQUA GRIP FIRE HYDRANT SHOE MAY BE USED WHERE MAIN DEPTH IS GREATER THAN 5- FEET.
3. USE SWIVEL HYDRANT TEE WITH 6" GATE VALVE DIRECTLY COUPLED TO HYDRANT TEE UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
4. FIRE HYDRANT COLOR SHALL BE "CHROME YELLOW" ENAMEL PAINT.
5. FIRE HYDRANTS INSTALLED WITHIN THE NCDOT RIGHT-OF-WAY MUST BE INSTALLED WITHIN 12-INCHES OF THE R/W LINE.
6. USE GRADELOK TO ADJUST HYDRANT TO FINISHED GRADE.



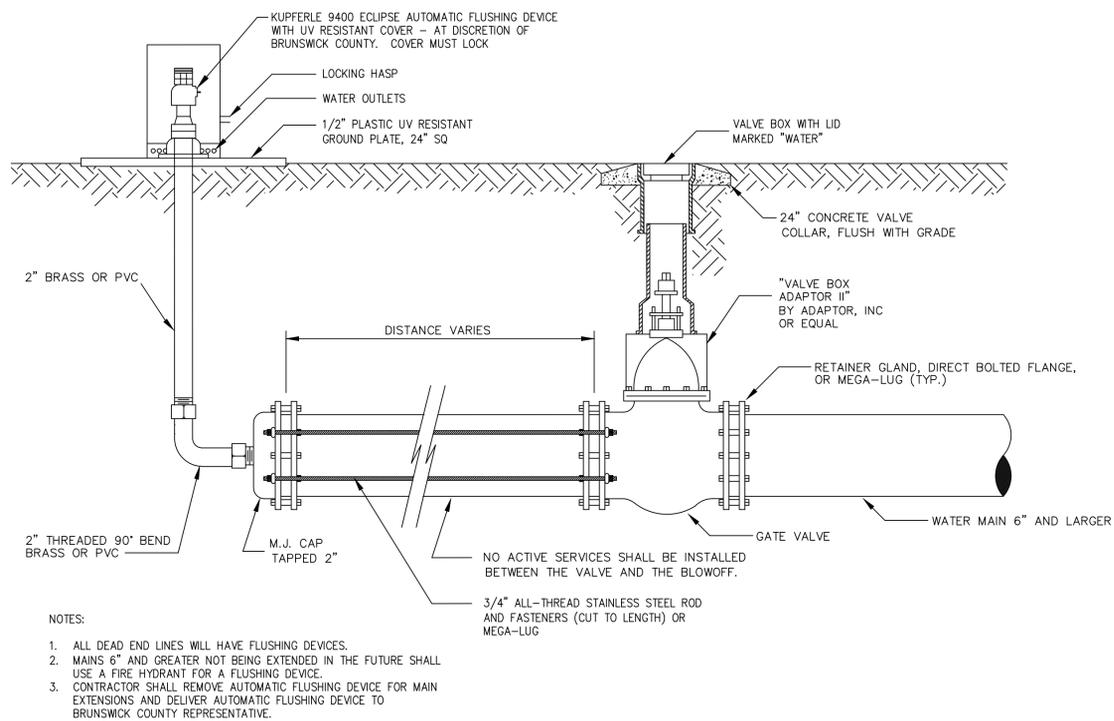
FIRE HYDRANT ON
MAINS 12" AND SMALLER
DETAIL W-1

NOTES:

1. LOCKED HYDRANT & LOCKED HYDRANT ADAPTER OR MUELLER "AQUAGRIP" SYSTEM MAY BE USED IN PLACE OF RESTRAINT RODS.
2. VERTICAL MUELLER AQUA GRIP FIRE HYDRANT SHOE MAY BE USED WHERE MAIN DEPTH IS GREATER THAN 5- FEET.
3. USE SWIVEL HYDRANT TEE WITH 6" GATE VALVE DIRECTLY COUPLED TO HYDRANT TEE UNLESS OTHERWISE APPROVED BY BRUNSWICK COUNTY.
4. FIRE HYDRANT COLOR SHALL BE "CHROME YELLOW" ENAMEL PAINT.
5. FIRE HYDRANTS INSTALLED WITHIN THE NCDOT RIGHT-OF-WAY MUST BE INSTALLED WITHIN 12-INCHES OF THE R/W LINE.
6. USE GRADELOK TO ADJUST HYDRANT TO FINISHED GRADE.



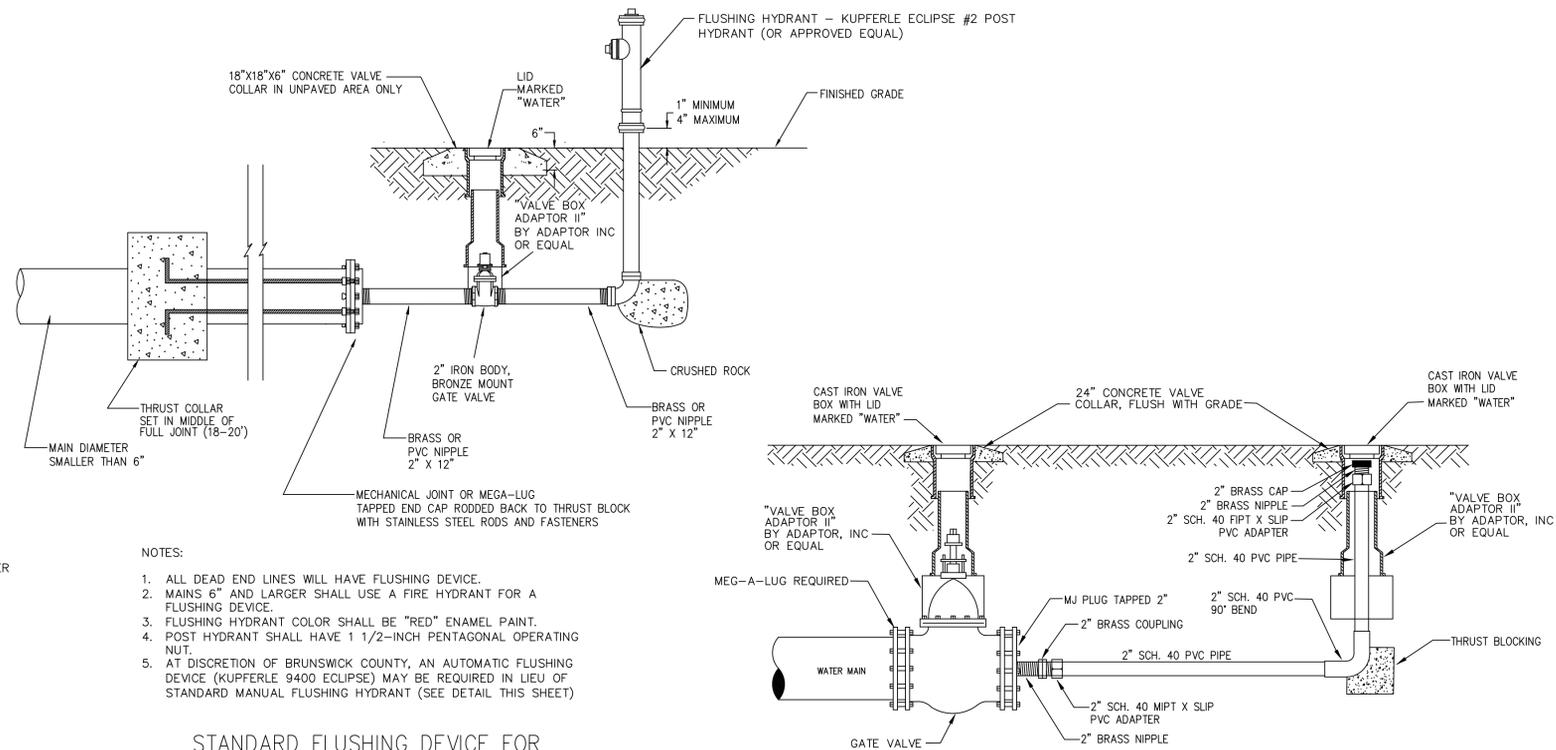
FIRE HYDRANT ON
MAINS LARGER THAN 12"
DETAIL W-2



NOTES:

1. ALL DEAD END LINES WILL HAVE FLUSHING DEVICES.
2. MAINS 6" AND GREATER NOT BEING EXTENDED IN THE FUTURE SHALL USE A FIRE HYDRANT FOR A FLUSHING DEVICE.
3. CONTRACTOR SHALL REMOVE AUTOMATIC FLUSHING DEVICE FOR MAIN EXTENSIONS AND DELIVER AUTOMATIC FLUSHING DEVICE TO BRUNSWICK COUNTY REPRESENTATIVE.

AUTOMATIC FLUSHING DEVICE FOR MAINS 6" AND
LARGER (FOR MAINS TO BE EXTENDED LATER)
DETAIL W-3



NOTES:

1. ALL DEAD END LINES WILL HAVE FLUSHING DEVICE.
2. MAINS 6" AND LARGER SHALL USE A FIRE HYDRANT FOR A FLUSHING DEVICE.
3. FLUSHING HYDRANT COLOR SHALL BE "RED" ENAMEL PAINT.
4. POST HYDRANT SHALL HAVE 1 1/2-INCH PENTAGONAL OPERATING NUT.
5. AT DISCRETION OF BRUNSWICK COUNTY, AN AUTOMATIC FLUSHING DEVICE (KUPFERLE 9400 ECLIPSE) MAY BE REQUIRED IN LIEU OF STANDARD MANUAL FLUSHING HYDRANT (SEE DETAIL THIS SHEET)

STANDARD FLUSHING DEVICE FOR
WATER MAINS
DETAIL W-4

NOTES:

1. TO BE USED WHEN FUTURE EXTENSION OF WATER MAIN IS KNOWN (I.E. PHASES)
2. FULL SIZE BOUNDARY VALVE REQUIRED.
3. THIS CAN ONLY BE USED WITH BRUNSWICK COUNTY ENGINEERING APPROVAL.

OLD STYLE TEMPORARY BLOW-OFF ASSEMBLY
DETAIL W-4A

Revisions

1.01 - DATED 4/30/2013
1.02 - DATED 5/29/2013
1.03 - DATED 7/15/2015
1.04 - DATED 12/8/2016
1.05 - DATED 2/6/2020
1.06 - DATED 3/27/2020
1.07 - DATED 4/22/2020
1.08 - DATED 9/11/2023
Mod Detail W-4A

COUNTY OF BRUNSWICK



GENERAL WATER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 05-22-12
Scale: NTS
Drawn By: JDM
Checked By: WLP