WATER SERVICE DETAILS FOR MULTI-UNIT BUILDINGS

FOR LESS THAN 20 SERVICES

1" FULL PORT ANGLE BALL VALVE IN ACCORDANCE WITH FAYPWC DETAIL W.2

NCDOT CONCRETE BRICK

1" IPS POLYETHYLENE PIPE

BALL CORPORATION STOP IN ACCORDANCE WITH FAYPWC DETAIL W.2

SECTION A-A

WATER MAIN

1" IRIGATION METER. IF NO IRRIGATION IS NEEDED, INSTALL 1" BLOW-OFF. (SEE NOTE 4)

THRUST BLOCK

PLUG

2" SDR-21 PVC

DOMESTIC METER

1" FULL PORT ANGLE BALL VALVE IN ACCORDANCE WITH FAYPWC DETAIL W.2

METER BOX IN ACCORDANCE WITH FAYPWC DETAIL W.4

NOTE: INSTALL TRACING WIRE ALONG 2" PIPE AND INTO METER BOXES, IN ACCORDANCE WITH FAYPWC STANDARDS.

FOR LESS THAN 20 SERVICES

3/4" OR 1" METERS, IN ACCORDANCE WITH FAYPWC STANDARDS

THRUST BLOCK

N.T.S.

SCHED 80 90° BEND SOLVENT WELD FITTING. CONTRACTOR SHALL USE PURPLE PRIMER AND HEAVY DUTY GLUE.

"x2" TAPPING SADDLE WITH 2" BALL VALVE. REFER TO FAYPWC DETAIL W.15B

WATER MAIN

W.23

W.23 SERVICE FOR MULTI-UNIT BUILDINGS.dwg

WATER RESOURCES ENGINEERING DEPARTMENT

FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.

1 07/16 REVISED TITLE, NOTES
2 07/17 REVISED NOTES

NOTES:
1. ALL MATERIALS TO BE APPROVED BY FAYPWC.
2. SERVICE LATERAL SIZE 1" IPS POLYETHYLENE UNLESS OTHERWISE SPECIFIED.
3. ALL FITTINGS AND MATERIALS FROM 2" LATERAL TO AND INTO METER BOX SHALL BE IN ACCORDANCE WITH FAYPWC DETAIL W.2.
4. THE 1" "BLOW-OFF" SHALL BE A STANDARD 1" TAP UP TO AND INCLUDING THE ANGLE BALL VALVE. NO OTHER FITTINGS ARE REQUIRED (IE: SPACER, TAILPIECE). THE METER BOX SHALL BE SET IN ACCORDANCE WITH FAYPWC DETAIL W.2.
5. SHOULD THERE BE MORE THAN 20 SERVICES, THE 2" LATERAL SHALL BE LOOPED (IE: NO PLUG) TO THE MAIN. IN SUCH INSTANCES, NO 1" BLOW-OFF IS REQUIRED.
6. WATER MAIN AND LATERAL SHALL PASS HYDROSTATIC (200PSI) AND STERILIZATION TESTS.
7. CENTER OF METER BOXES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE BUILDING, UNLESS OTHERWISE APPROVED BY FAYPWC.
8. METER BOXES LOCATED IN PAVED AREAS SHALL BE IN ACCORDANCE WITH FAYPWC DETAIL W.4B.
9. LATERAL SHALL NOT BE BACKFILLED UNTIL INSPECTED AND APPROVED BY FAYPWC PROJECT COORDINATOR.
10. SHOULD IT BE NECESSARY TO CRIMP THE WATER SERVICE LATERAL, A FULL CIRCLE REPAIR CLAMP SHALL BE PLACED ON THE CRIMPED AREA.
11. SHOULD THE LENGTH OF THE LINE EXCEED 150 FEET, OR AS APPROVED BY FAYPWC, THE LINE SHALL BE LOOPED.