

# UTILITY CONSTRUCTION

**1-INCH COMPOSITE METER BOX & COVER**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES DEPARTMENT

NO. DATE REVISION  
1 03/10 CHANGED BOX & LID DIMENSIONS  
2 12/15 REPLACED CI BOX WITH COMPOSITE BOX  
3 05/29/18 ADDED NOTE FOR METER LID CONFORMANCE TO AWRs

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W4B-METERBOX-LID.dwg

**1-INCH COMPOSITE METER BOX & COVER**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES DEPARTMENT

NO. DATE REVISION  
1 12/15 REPLACED CI BOX WITH COMPOSITE BOX

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W4B-METERBOX-LID.dwg

**2" CUPPER SETTER w/BYPASS**  
23-1/2" METER SPACING  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION  
1 07/13 REVISED, UPDATED NOTES  
2 07/17 REVISED NOTES

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W5-2-METER-SETTER.dwg

**1-1/2" & 2" BY-PASS METER BOX**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION  
1 12/15 REVISED LID

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W5-2-METER-SETTER.dwg

**GATE VALVE**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION  
1 6/06 ADDED NOTE NO. 9  
2 7/09 CLARIFIED NOTES

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W6-GATEVALVE.dwg

**VALVE BOX**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION  
1 07/09 ADDED NOTES 7, 8, AND CLARIFIED NOTES  
2 01/14 REVISED NOTES 1, 4, 6

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W7-VALVEBOX.dwg

**VALVE BOX PROTECTOR RING**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W8-CONC-PROTECTOR-RING.dwg

**TAPPING VALVE**  
N.T.S.

FAYETTEVILLE PUBLIC WORKS COMMISSION  
FAYETTEVILLE, N.C.

WATER RESOURCES ENGINEERING DEPARTMENT

NO. DATE REVISION  
1 07/09 ADDED NOTE 10, REVISED 4 AND 5  
2 07/13 REVISED NOTES 4, 8, 10

DATE: JAN. 01, 2018 APPROVED BY: J.E.G.

W8-M.J.-TAPPING-VALVE.dwg

VALVE SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	R	S	T	TURN TO OPEN	WEIGHT W/ACC
4	4-3/8	6-7/8	16-1/2	1-1/2	9	7-1/2	4-7/8	4-6/8	4-20/32	2-1/2	7-1/2	9	14-1/8	9	8-3/4	1/4	14	115
6	6-7/8	8-1/4	1	1-5/8	11	8-1/2	6-7/8	6-63/64	7	2-1/2	9-1/2	11	17-5/8	11-3/4	8-7/8	1/4	21	170
8	8-7/8	1-1/8	1-3/4	18-1/4	11-3/4	8-7/8	6-63/64	6-5/32	2-1/2	11-3/4	13-1/2	14	21	14-3/4	8-7/8	1/4	28	215
12	7	8-1/4	1-1/4	13-3/4	17-7/8	10-1/4	8-7/8	12-63/64	13-5/16	2-1/2	17	19	28-1/4	19-1/8	12-1/4	1/4	39	370
16	8-1/2	8-1/8	1-7/8	2-1/8	20	21	12-7/8	10-15/16	17-30/64	2-1/2	21-1/8	23-1/2	35-5/8	26-1/8	18-1/8	1/4	55	410
24	10-1/2	14-1/4	1-7/8	2-1/2	31-3/4	30	15-7/8	24-15/16	25-16/16	2-1/2	28-1/2	34	44-5/8	35-1/8	25-1/8	3/8	79	525

5/14/99  
 6/JUN/2016 10:37  
 C:\p\public\Public Works Commission\2015017700RA Refor.d Road NCDOT U 4405\CADD\NCDOT PLANS\Utilities\Engineering\UC\Proj\4405\_ut.dtl\UC03e.dgn  
 17/06/2017