

AM 19 2/2/2 7:34:17 R4490

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1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH

COUNTERCLOCKWISE 2. RAISED MALE FACE SHALL BE REQUIRED TO PROVIDE DIRECTION CAST HERE FOR PROPER ALIGNMENT OF THE TAPPING SLEEVE.

> 3. ALL VALVES SHALL HAVE 2" SQUARE OPERATING NUT AND SHALL OPEN COUNTERCLOCKWISE.

4. GATE VALVES SHALL BE RESILIENT WEDGE. 5. VALVE BODY, BONNET AND GATE SHALL BE IN ACCORDANCE WITH AWWA C-509/C-515 AND

6. VALVE BODY AND BONNET SHALL BE COATED ON ALL INTERIOR AND EXTERIOR SURFACES WITH A FUSION BONDED EPOXY IN ACCORDANCE WITH AWWA

7. ALL VALVES 24" AND SMALLER SHALL HAVE A SAFE WORKING PRESSURE OF 250 PSI.

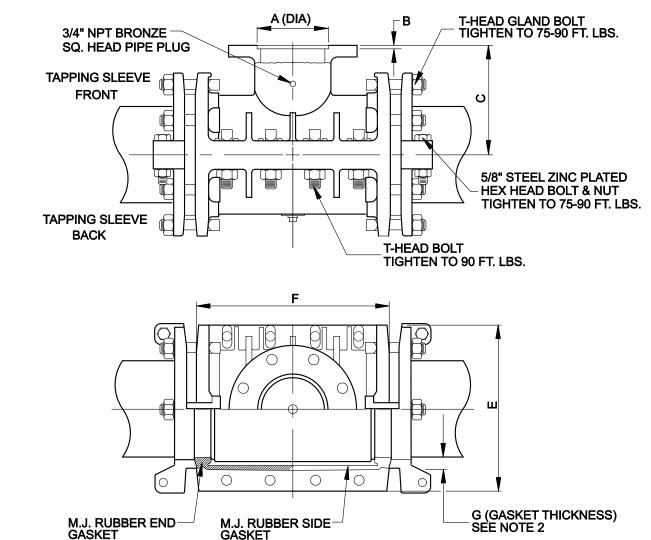
8. SEE TAPPING SLEEVE (DETAILS W.10 OR W.11) FOR ADDITIONAL INFORMATION.

9. DIMENSIONS SHOWN ARE FOR REFERENCE AND MAY VARY BASED UPON MANUFACTURER. VALVES SHALL BE SIMILAR IN NATURE TO THAT SHOWN AND SHALL NOT DEVIATE IN ESSENTIAL DETAILS.

10. ALL TAPPING SLEEVES SHALL BE HYDROSTATICALLY PRESSURE TESTED IN ACCORDANCE WITH FAYPWC SPECIFICATIONS. TEST SHALL BE WITNESSED AND APPROVED BY FAYPWC PROJECT COORDINATOR PRIOR TO BEGINNING TAPPING PROCESS.

	R		S	т	TURNS TO OPEN	WEIGHT W/ACC		
	9		8-3/4	1/4	14	118		
11	-3/4		8-7/8	1/4	21	175		
14	-1/4		8-7/8	1/4	28	274		
19	-1/8		12-1	1/4	39	570		
26	-1/8	16	6-1 1/8	1/4	55	1140		
37	-5/8	20)-1 3/8	5/16	79	3225		
NO.	DAT	Έ		R	EVISION			
1	7/09	•	ADDE	O NOTE	10, REVIS	SED 4 & 5	5	
2	7/13	3	REVIS	ED NO	TES 4, 8, 1	0		
					-			

2015-W9 M.J.TAPPING VALVE.dwg



							S	SLEEVE F	FOR USE	WITH CI	OR DI P	IPE	
SLEEVE SIZE PIPE X BRANCH	6X6	8X6	8X8	12X6	12X8	12X12	16X6	16X8	16X12	24X6	24X8	24X12	24X16
A DIA +.031000	7.016	7.016	9.016	7.016	9.016	13.016	7.016	9.016	13.016	11.00	13.5	19.0	23.5
В	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31	.31
С	7-7/8	9-1/16	9	11-5/8	11-7/8	12-7/8	14-1/8	14-1/2	14-7/8	19.5	19.5	19.5	20.5
Е	11-3/4	13-7/8	13-7/8	18-1/2	18-1/2	18-1/2	23-1/2	23-1/2	23-1/2	35.5	35.5	35.5	35.5
F	13-1/2	15	15	19-1/2	19-1/2	19-1/2	22-1/2	22-1/2	22-1/2	18.0	18.0	24.0	30.0

DUC	TILE IRON TAPPIN	NG SLEEVE	PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.	
SHEET NO.	DWG. NO. W.10	DWG. BY: FAYPWC	WATER RESOURCES	FAC
1 OF 1	DATE: JULY 01, 2015	APPROVED BY: J.E.G.	ENGINEERING DEPARTMENT	

SHALL BE HYDROSTATICALLY PRESSURE
E WITH FAYPWC SPECIFICATIONS. TEST SHALL
ROVED BY FAYPWC PROJECT COORDINATOR
PPING PROCESS.

13. THE NUMBER OF BOLTS, NUTS AND WASHERS SHOWN ARE FOR ILLUSTRATION ONLY, ACTUAL QUANTITY SHALL BE AS RECOMMENDED BY THE SLEEVE MANUFACTURER FOR THE REQUIRED SERVICE.

14.SEE DETAILS W.9 AND W.17 FOR ADDITIONAL REQUIREMENTS.

NO.	DATE	REVISION
1	7/09	ADDED NOTES 2, 12 & CLARIFIED NOTES
2	7/13	REVISED NOTES 3, 12, 14

2015-W11 SSTAPPING SLEEVE.dwg

			DOCUMENT NOT CONSIDERED	FINAI	PROJECT REFERENCE NO. SHEET N
			UNLESS ALL SIGNATURES COM		B-4490 UC-31 DESIGNED BY:
		Note			DRAWN BY NONE
3/4" NPT BRONZE		NOTES	: _ MATERIALS SHALL BE IN ACCORDANCE		CHECKED BY:
			AYPWC STANDARDS. SLEEVE BODY SHALL CTILE IRON ASTM A536.		REVISED: 7952
			CHANICAL JOINT TAPPING SLEEVES SHALL RNISHED WITH SPLIT GLANDS, SPLIT END		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
		gaske Shall	T, BOLTS, ETC. THE OUTLET FLANGE BE CL 125 PER ANSI B16.1 COMPATIBLE		UTILITIES ENGINEERING SEC. John Poitzsch
			PPROVED TAPPING VALVES. IENSIONS SHOWN ARE FOR REFERENCE AND		FAX:(919)250-4151
TAPPING SLEEVE		MAY V/ SLEEV	NRY BASED UPON MANUFACTURER. ES SHALL BE SIMILAR IN NATURE TO		LITY CONSTRUCTION
			HOWN AND SHALL NOT DEVIATE IN TIAL DETAILS.		
TIGHTEN TO 90 FT. LBS.		THOR	YE SURFACES SHALL BE CLEANED DUGHLY TO PERMIT FOR A GOOD SEAL		
			TO INSTALLATION. TERIOR OF TAPPING SLEEVE SHALL BE		
		COATE MIL-C4	D w/2 COATS ASPHALTIC VARNISH 50.		
			_ TAPPING SLEEVES SHALL BE DSTATICALLY PRESSURE TESTED IN		
		ACCOR TEST S	RDANCE WITH FAYPWC SPECIFICATIONS. HALL BE WITNESSED AND APPROVED BY		
			C PROJECT COORDINATOR PRIOR TO NING TAPPING PROCESS.		
			E DETAILS W.9 AND W.17 FOR ADDITIONAL REMENTS.		
M.J. RUBBER END M.J. RUBBER SIDE GASKET THICKNESS) GASKET GASKET GASKET					
SLEEVE SIZE 6X6 8X6 12X6 12X8 12X12 16X6 16X12 24X6 24X8 2		24X24 :	00X6 30X8 30X12 30X16 30X24		
			11.00 13.5 19.0 23.5 32.0		
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			3.37 43.37 43.37 43.37 24.0 24.0 36.0 36.0		
		NO.	DATE REVISION	-	
DUCTILE IRON TAPPING SLEEVE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.		1	DATE REVISION 7/09 REVISED NOTE 6/REMOVED NOTE 8.	-	
EET NO. DWG. NO. W.10 DWG. BY: FAYPWC WATER RESOURCES	PNC	2	7/13 REVISED NOTES 6, 7.		
OF 1 DATE: JULY 01, 2015 APPROVED BY: J.E.G. ENGINEERING DEPARTMENT					
(TYPICAL - NEW FIRE HYDRANTS CONNECTED TO EXIST	ING WATER M	IAINS)]	
	ALVE DEPTHS AR				
		HE OPEF	JRED FROM EXISTING ASPHALT AND/OR ATING NUT. THE BARREL INFORMATION		
INSTALLATION TO PROVIDE AND/OR SUPPLEMENT WATER MAIN FLUSHING IF SHOWN IS CALC BREAKS OCCUR. NEAREST VALVE	CULATED USING / ES. THE GROUNI	HE OPEF AN INTEF D ELEVA	ATING NUT. THE BARREL INFORMATION POLATION BETWEEN THE TWO ION AND/OR CURB FOR THE PROPOSED		
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