TOWN OF WINDSOR

DESIGN AND CONSTRUCTION STANDARDS

1" DOMESTIC WATER SERVICE

RICHARD W. BURTT, PUBLIC WORKS DIRECTOR/TOWN ENGINEER

DATE: APR 2008

SCALE: NONE

STD. NO. 102

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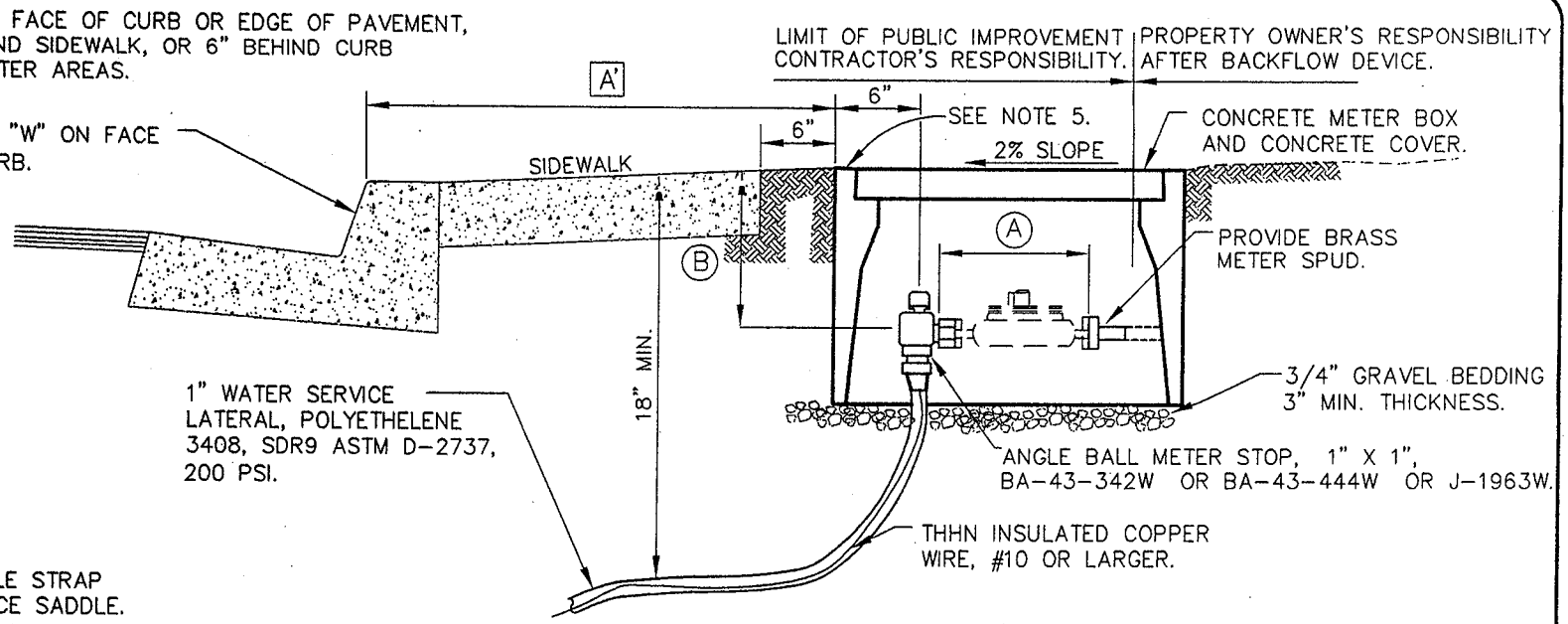

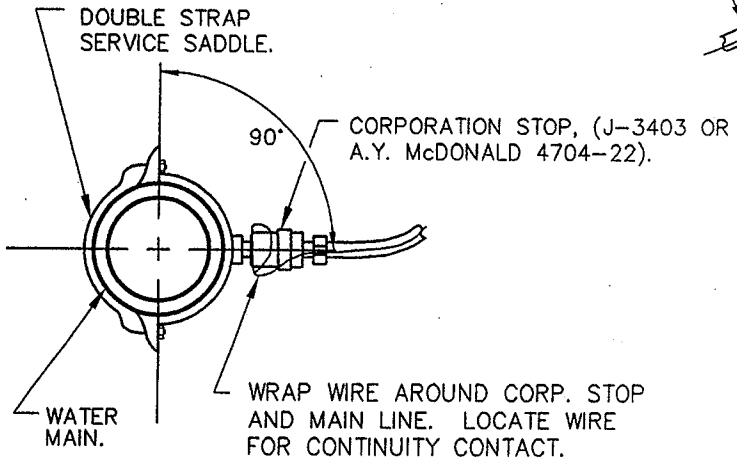

METER	CHRISTY METER BOX	LID		A	B
		NON-TRAFFIC	TRAFFIC		
1"	B-16	FIBRELYTE 16D	B16-61D	11"SCR	10"

MAIN PIPE	SERVICE SADDLE
ACP OR DIP	JONES J979, FORD 202-B
C-900 PVC	A.Y. McDONALD 3806, FORD S-90

NOTES

1. UNLESS OTHERWISE SPECIFIED ON PLAN, PROVIDE FOR 1" METER INSTALLATION FOR SINGLE FAMILY RESIDENTIAL AND OFFICE COMMERCIAL PROJECTS.
2. "OR APPROVED EQUAL" APPLIES TO ALL SPECIFIED COMPONENTS.
3. METERS PROVIDED AND SET BY DEVELOPER'S CONTRACTOR.
4. METERS SHALL BE BADGER METER MODEL #M70 1", RTR W/ILC, GAL TORX, 5' HEAD. NSF-61 LOW HEAD. W/JMB36 16" SS. BRACKET.
5. INSTALL BRASS TAG WITH STREET ADDRESS NUMBERS.

TOWN OF WINDSOR

DESIGN AND CONSTRUCTION STANDARDS

1-1/2" DOMESTIC WATER SERVICE

RICHARD W. BURTT, PUBLIC WORKS DIRECTOR/TOWN ENGINEER

DATE: MAY 2008

SCALE: NONE

STD. NO. 103

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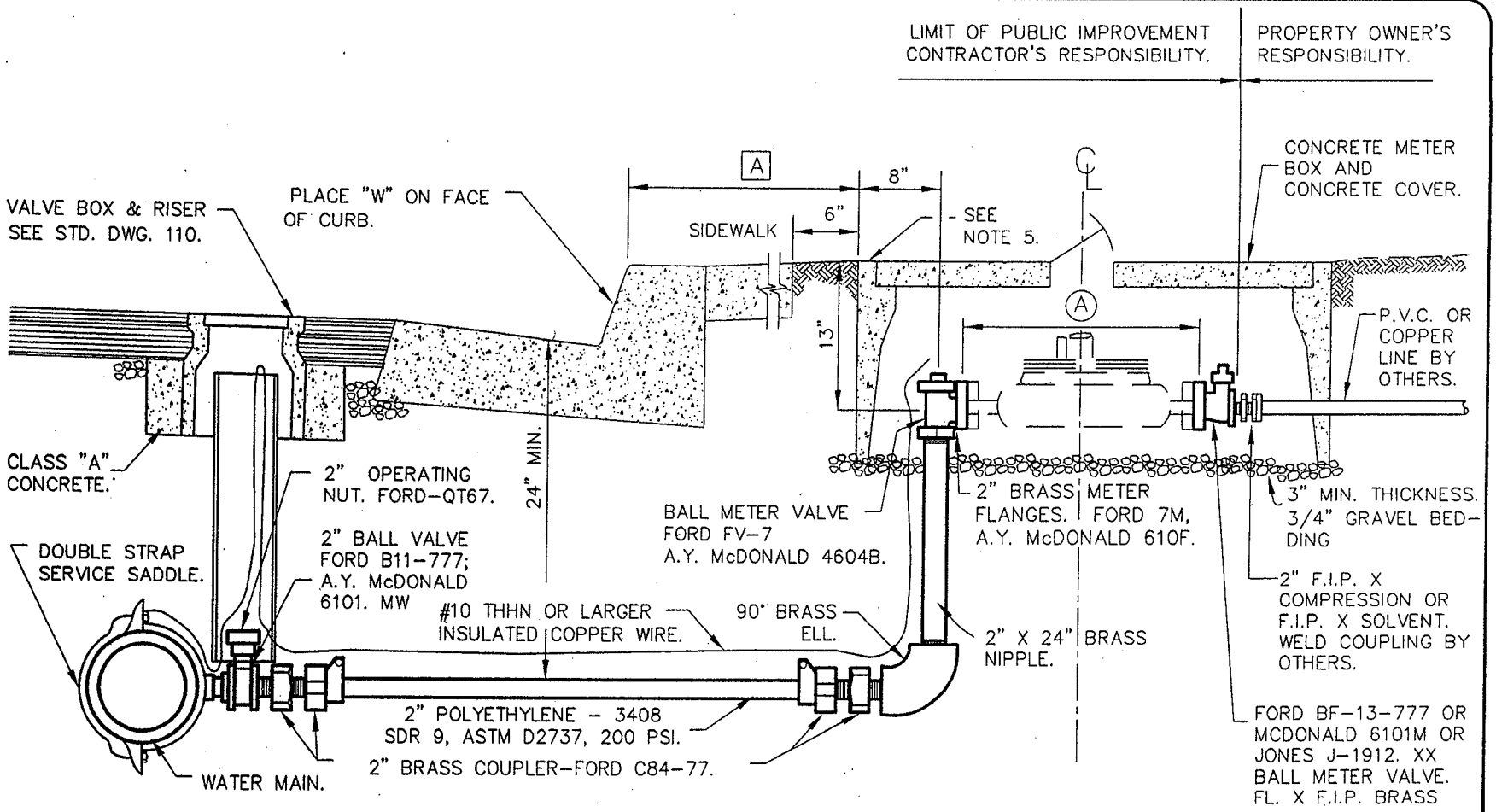

MAIN PIPE	SERVICE SADDLE
ACP OR DIP	JONES J979, FORD 202-B
C-900 PVC	A.Y. McDONALD 3806, FORD S-90 JONES J996

SERVICE	CHRISTY METER BOX	LID		(A)
		NON-TRAFFIC	TRAFFIC	
1 1/2"	B-36	B36G	B36-61G	13"(100 G.P.M.)

[A] 5' FROM FACE OF CURB OR EDGE OF PAVEMENT, 6" BEHIND SIDEWALK OR 6" BEHIND CURB IN PLANTER AREAS.

NOTES:

1. "OR APPROVED EQUAL" APPLIES TO ALL SPECIFIED COMPONENTS.
2. METERS PROVIDED AND SET BY DEVELOPER'S CONTRACTOR.
3. ALL METER BOX LIDS SHALL INCLUDE A READING LID. SEE LID SPECIFICATIONS.
4. METERS SHALL BE BADGER METER MODEL #M120, 1 1/2", RTR W/ ILC, GAL, TORX, 5' HEAD, NSF-61 LOW HEAD, W/SS. BRACKET, 2 HOLES.
5. INSTALL BRASS TAG WITH STREET ADDRESS NUMBERS.

TOWN OF WINDSOR

DESIGN AND CONSTRUCTION STANDARDS

2" DOMESTIC WATER SERVICE

RICHARD W. BURTT, PUBLIC WORKS DIRECTOR/TOWN ENGINEER

DATE: MAY 2008

SCALE: NONE

STD. NO. 104

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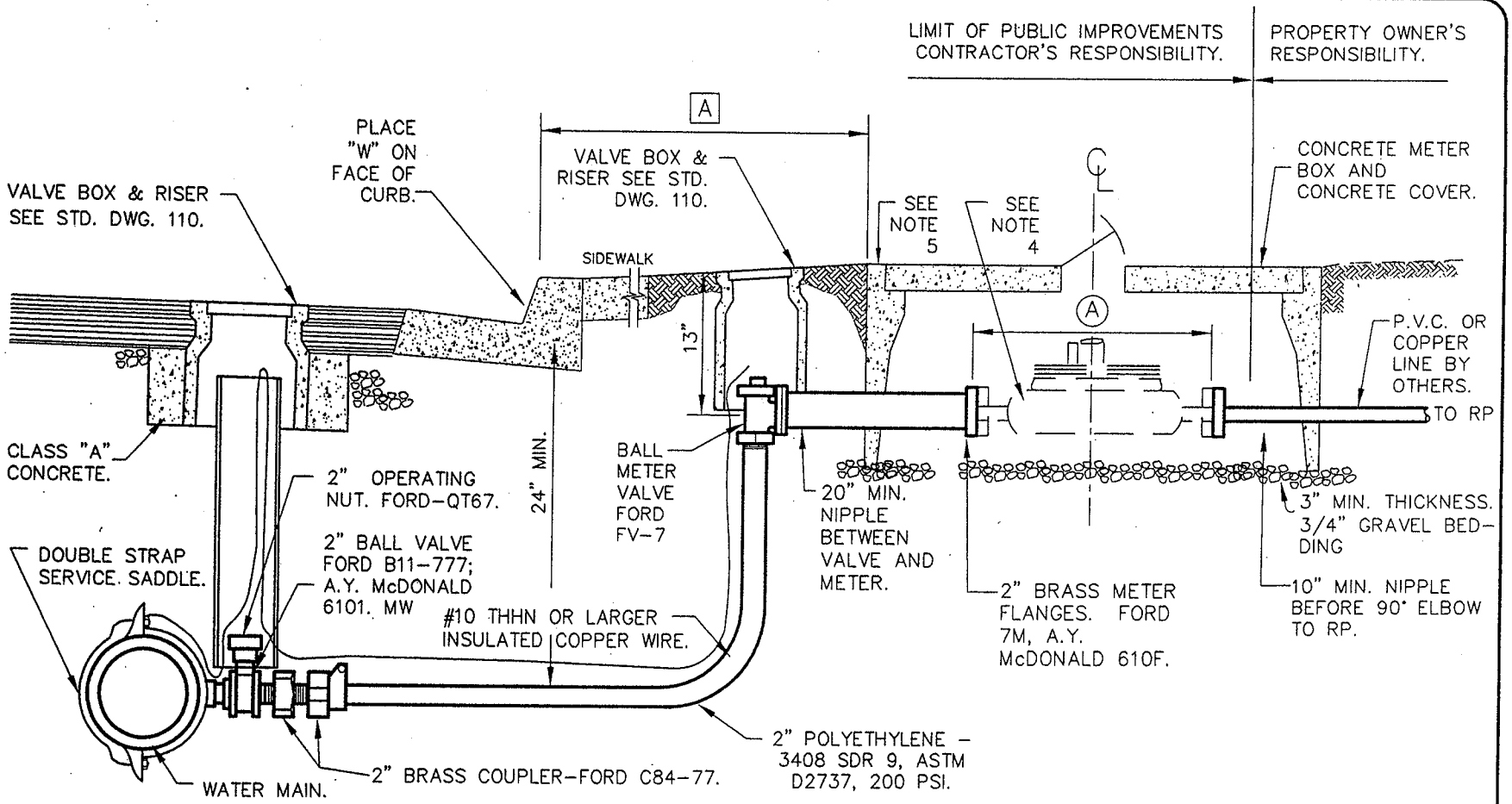

MAIN PIPE	SERVICE SADDLE
ACP OR DIP	JONES J979, FORD 202-B
C-900 PVC	A.Y. McDONALD 3806, FORD S-90 JONES J996

SERVICE	CHRISTY METER BOX	LID		(A)
		NON-TRAFFIC	TRAFFIC	
2"	B-30	FIBRELYTE 30 D	B 30-61D	15 1/4"

2" AND LARGER SHALL BE REVIEWED AND APPROVED BY TOWN.

[A] 5' FROM FACE OF CURB OR EDGE OF PAVEMENT, 6" BEHIND SIDEWALK OR 6" BEHIND CURB IN PLANTER AREAS.

NOTES:

1. "OR APPROVED EQUAL" APPLIES TO ALL SPECIFIED COMPONENTS.
2. METERS PROVIDED AND SET BY DEVELOPER'S CONTRACTOR.
3. ALL METER BOX LIDS SHALL INCLUDE A READING LID. SEE LID SPECIFICATIONS.
4. METERS SHALL BE BADGER RECORDALL COMPOUND METERS.
5. INSTALL BRASS TAG WITH STREET ADDRESS NUMBERS.

TOWN OF WINDSOR

DESIGN AND CONSTRUCTION STANDARDS

REDUCED-PRESSURE BACKFLOW PREVENTER

RICHARD W. BURTT, PUBLIC WORKS DIRECTOR/TOWN ENGINEER

DATE: MAY 2008

SCALE: NONE

STD. NO. 105

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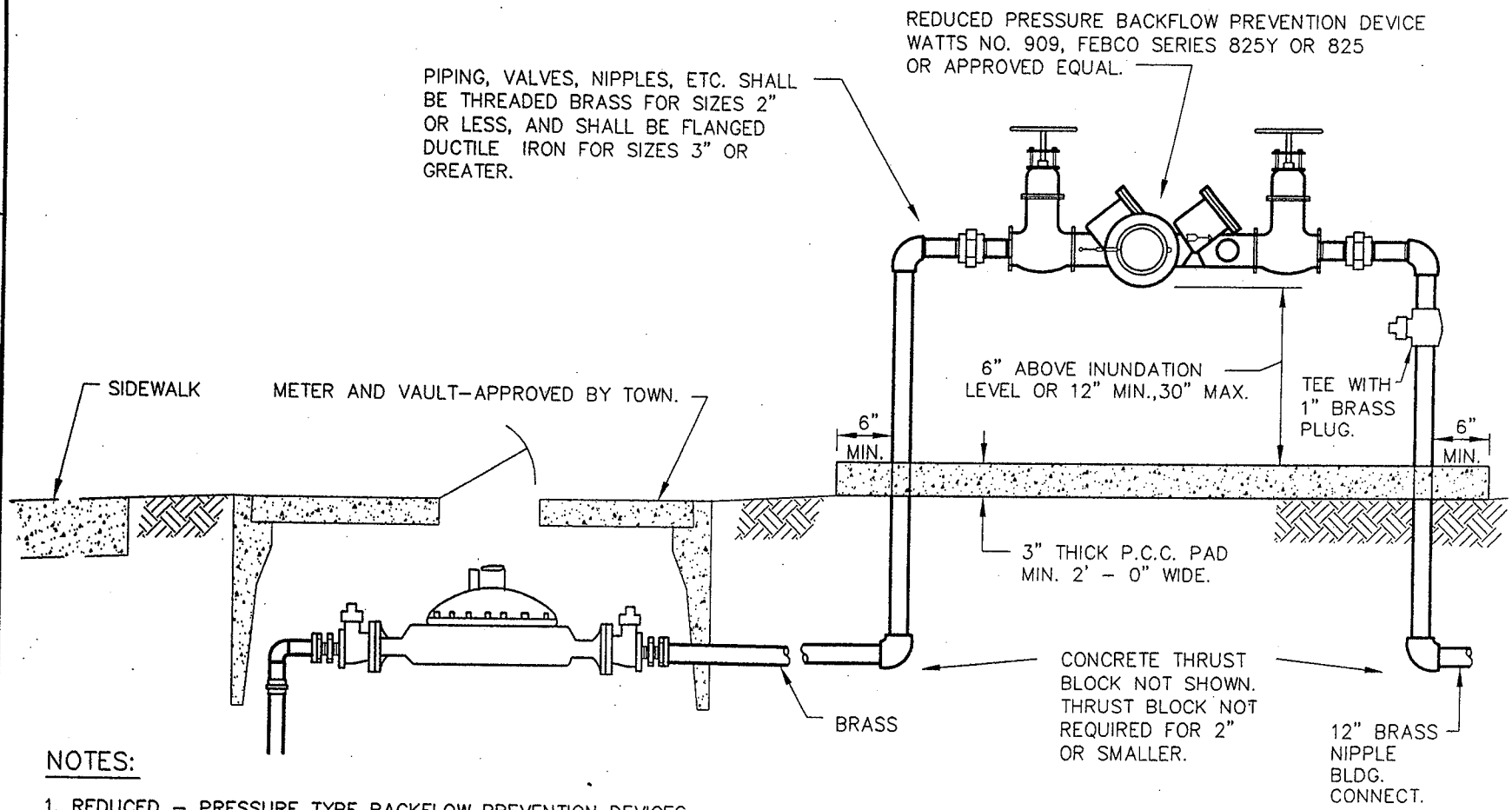

NOTES:

1. REDUCED – PRESSURE TYPE BACKFLOW PREVENTION DEVICES SHALL BE REQUIRED FOR ANY USE WHERE TOXIC MATERIALS ARE USED OR WHERE POSITIVE PROTECTION FOR THE PUBLIC WATER SUPPLY IS REQUIRED. TYPICAL APPLICATIONS INCLUDE; IRRIGATION SERVICES, COMMERCIAL SERVICES, INDUSTRIAL SERVICES, HOSPITALS, LABORATORIES, MORTUARIES, OR AS DETERMINED BY THE TOWN. (TITLE 17 CALIF. ADMINISTRATION CODE)
2. APPROVED REDUCED-PRESSURE TYPE BACKFLOW PREVENTION DEVICES SHALL BE AS LISTED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA STUDY, LATEST REVISION.
3. BACKFLOW PREVENTION DEVIDED SHALL BE INSTALLED ADJACENT TO AND ON THE PROPERTY SIDE OF SIDEWALK WHERE APPLICABLE. THE ASSEMBLY SHALL BE INSTALLED AS CLOSE TO THE WATER METER LOCATION AS PRACTICAL.
4. DEVICE TO BE SAME SIZE OR LARGER THAN SERVICE METER
5. LANDSCAPING OR OTHER SCREENING AROUND THE BACKFLOW DEVICE SHALL BE AS SHOWN ON APPROVED PLANS.
6. CONTRACTOR/DEVELOPER/PROPERTY OWNER MUST SUPPLY A PROFESSIONALLY FABRICATED THERMAL INSULATION BLANKET. OUTER CANVAS OR SAIL CLOTH COVER TO BE DARK GREEN WITH BRASS EYELETS TO ACCOMMODATE LOCK. INSULATION FACTOR R-11, R-19 OR BETTER.
7. PHENOLIC OR BRASS PLATE SHALL BE PLACED WITH DESCRIPTION AND/OR ADDRESS INDICATING WHICH BUILDING LINE IS SERVED.