

RECONNECTION OR EXTENSION
OF 3/4" OR 1" SERVICES

RECONNECTION OR EXTENSION
OF 1-1/2" SERVICES

SPLIT SERVICES

RECONNECTION OR EXTENSION
OF SERVICES - ALL SIZES

DIRECT **D**

SADDLE
SINGLE STRAP
DOUBLE STRAP **SS**
DS

SADDLE
HINGED **H**

WELDED **W**

FULL
CIRCLE **FC**

CORPORATION STOP THREADS (CC)

IRON PIPE THREADS (IPT)

MAIN TYPE

C/DICL

STEEL CEMENT LINED

SOMCL

*OD

AC

PVC

MAIN SIZE

4" 6" 8" 10" 12" UP

4" 6" 8" 10" 12" UP

ALL

ALL

4" 6" 8" 10" 12" UP

ALL

3/4"

D D D D D D

SS SS SS SS W W

W

SS

SS DS DS DS DS DS

H

1"

D D D D D D

SS SS SS SS W W

W

SS

SS SS DS DS DS DS

H

1-1/2"

DS DS DS D D D

DS DS DS DS W W

W

DS

FC DS DS DS DS DS

H

SERVICE PIPE SHALL BE BEDDED AND SHADED (4" MIN.) IN SAND

SEE SPECS FOR COATED COPPER PIPE

* STEEL PIPE NOT LINED: WS, SI, GG

MATERIAL LIST

#DESCRIPTION

13/4", 1", OR 1-1/2" CORP STOP, CCxFLR OR CCxCOM

23/4", 1", OR 1-1/2" CORP STOP, MIPTxFLR OR MIPTxCOM

33/4", 1" OR 1-1/2" PIPE, COPPER TYPE K

43/4" OR 1" COUPLING, FLR X COM

53/4" OR 1" COUPLING, STREAMLINE FLR X FLR OR FLR X COM

63/4", 1" ANGLE METER STOP, FLRxMSN/OR COM

73/4" OR 1" COUPLING, METER MIPT X MSN

8METER BOX ***

93/4" X 3/4" X 1" OR 1" X 1" X 1-1/2" TEE, STREAMLINE

10SADDLE, SERVICE SSCC OR DSCC

11SADDLE, SERVICE, HINGED

12COUPLING, WELD FIPT

13CLAMP, FULL CIRCLE W/ TAP FIPT

143/4", 1" OR 1-1/2" PIPE PLASTIC PE CTS

153/4", 1" OR 1-1/2" COUPLING, FLR X FLR

*** FOR SERVICES w/ FIRE SPRINKLERS

163/4" OR 1" SWING CHECK VALVE W/ BUNA SEAT (FIPT X FIPT)

ADDITIONAL FOR RECYCLED WATER (RW) SERVICES:

R1PAINT THE LID & INSIDE THE METER BOX PURPLE

R2PLACE "RW" ADVISORY TAG ON RW METER

R3PLACE "RW" ADVISORY TAG ON ALL RW METERS SERVING SITES RECEIVING RW

R4INSTALL "RW" ADVISORY WARNING TAPE ABOVE RW LATERAL IF SERVICE LATERAL INSTALLED BY OPEN TRENCH

MSN = METER SWIVEL NUT & COM = COMPRESSION

*** SEE MATERIAL SPECIFICATIONS LIST FOR SIZING OF METER BOXES.

SAN JOSE WATER COMPANY

STANDARD SERVICE INSTALLATION

3/4", 1", 1" X 3/4" & 1-1/2" X 1"

COPPER SERVICES

BY P. JOCHIM

DATE 7/31/2013

CK

SCALE NONE

REVISION

AP OPS

REF. NOS.

DWG. NO. SER-1c

Effective 10/08/2025

RECONNECTION OR EXTENSION OF 1-1/2" SERVICES

1" X 3/4" SPLIT SERVICES

RECONNECTION OR EXTENSION OF 3/4" & 1" SERVICES

1-1/2" X 1" SPLIT SERVICE

DIRECT **[D]**

SADDLE SINGLE STRAP DOUBLE STRAP **[SS DS]**

SADDLE HINGED **[H]**

WELDED **[W]**

FULL CIRCLE **[FC]**

CORPORATION STOP THREADS (CC)

IRON PIPE THREADS (IPT)

SERVICE CONNECTION CHART																					
MAIN TYPE	CI/DICL						STEEL CEMENT LINED						SOMCL	*OD	AC						PVC
MAIN SIZE	4"	6"	8"	10"	12"	UP	4"	6"	8"	10"	12"	UP	ALL	ALL	4"	6"	8"	10"	12"	UP	ALL
3/4"	D	D	D	D	D	D	SS	SS	SS	SS	W	W	W	SS	SS	DS	DS	DS	DS	DS	H
1"	D	D	D	D	D	D	SS	SS	SS	SS	W	W	W	SS	SS	SS	DS	DS	DS	DS	H
1 1/2"	DS	DS	DS	D	D	D	DS	DS	DS	DS	W	W	W	DS	FC	DS	DS	DS	DS	DS	H

♦ ALL SERVICES MUST HAVE TRACER WIRE INSTALLED PER SPECIFICATIONS

SERVICE PIPE SHALL BE BEDDED AND SHADED (4" MIN.) IN SAND

* STEEL PIPE NOT LINED: WS, SI, GG

MATERIAL LIST

#	DESCRIPTION
1	3/4", 1" OR 1-1/2" CORP STOP, CC X COM
2	3/4", 1" OR 1-1/2" CORP STOP, MIPT X COM
3	3/4", 1" OR 1-1/2" PIPE, PLASTIC PE CTS ♦
4	1-1/2" CPLG, COM
5	3/4", 1" OR 1-1/2" INSERT ▲ (COMPRESSION FITTINGS)
6	COUPLING, COM OR IT
7	COUPLING, MIPT X COM
8	3/4" OR 1" ANGLE METER STOP, MSN X COM
9	3/4" OR 1" COUPLING, METER, MIPT X MSN
10	METER BOX ***
11	CLAMP, FULL CIRCLE W/ TAP FIPT
12	3/4" X 3/4" X 1" OR 1" X 1" X 1-1/2" TEE, BULKHEAD, STD. BRASS
13	1" CPLG, MIPT X COM
14	SADDLE, SERVICE SSCC OR DSCC
15	SADDLE, SERVICE, HINGED
16	COUPLING, WELD FIPT
17	3/4" OR 1" SWING CHECK VALVE W/ BUNA SEAT (FIPT X FIPT)

♦♦ FOR SERVICES w/ FIRE SPRINKLERS

ADDITIONAL FOR RECYCLED WATER (RW) SERVICES:

R1	PAINT THE LID & INSIDE THE METER BOX PURPLE
R2	PLACE "RW" ADVISORY TAG ON RW METER
R3	PLACE "RW" ADVISORY TAG ON ALL RW METERS SERVING SITES RECEIVING RW
R4	INSTALL "RW" ADVISORY WARNING TAPE ABOVE RW LATERAL IF SERVICE LATERAL INSTALLED BY OPEN TRENCH

MSN = METER SWIVEL NUT & COM = COMPRESSION

*** SEE MATERIAL SPECIFICATIONS LIST FOR SIZING OF METER BOXES.

SAN JOSE WATER COMPANY

STANDARD SERVICE INSTALLATION

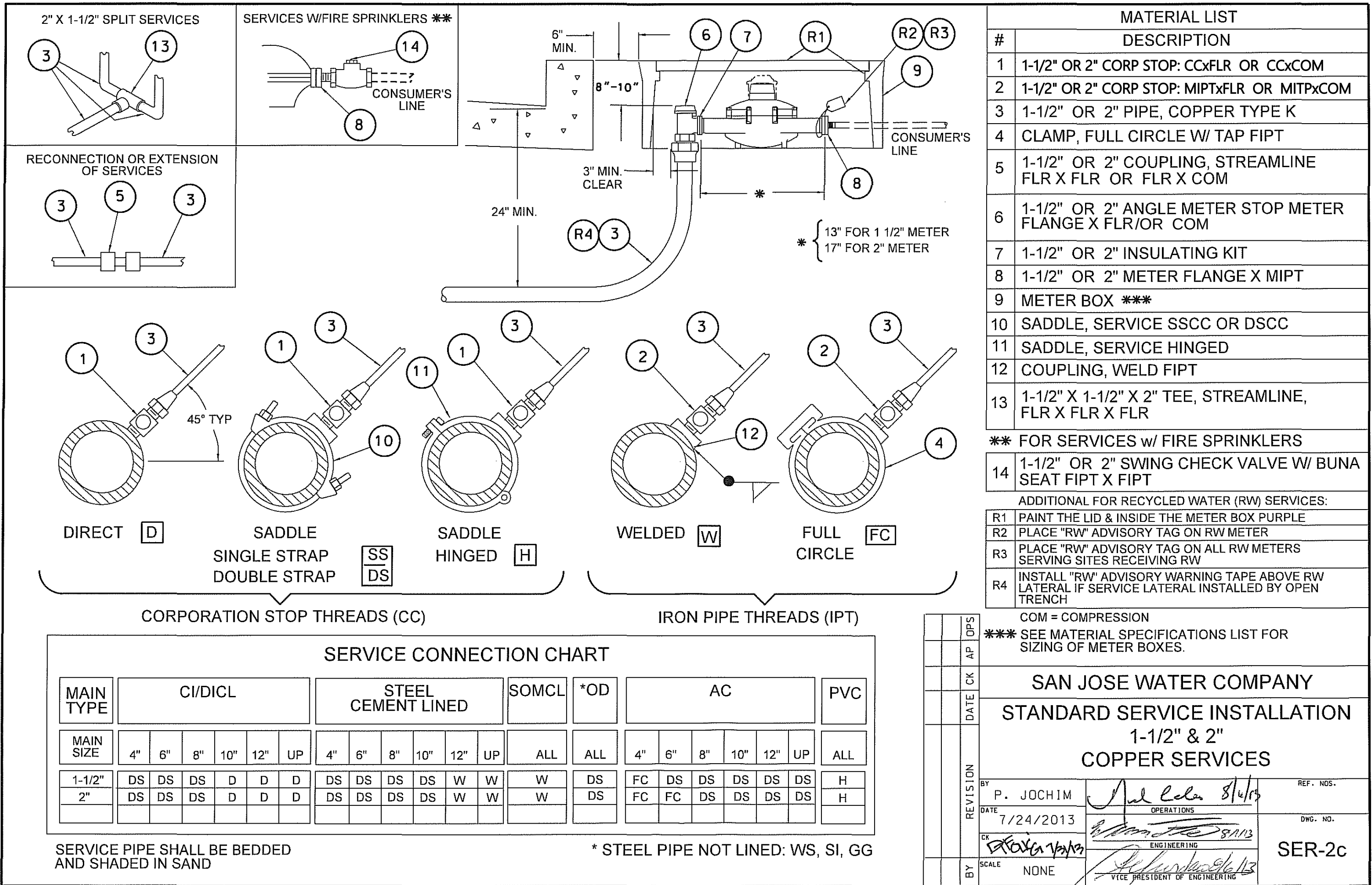
3/4", 1", 1" X 3/4" & 1-1/2" x 1"

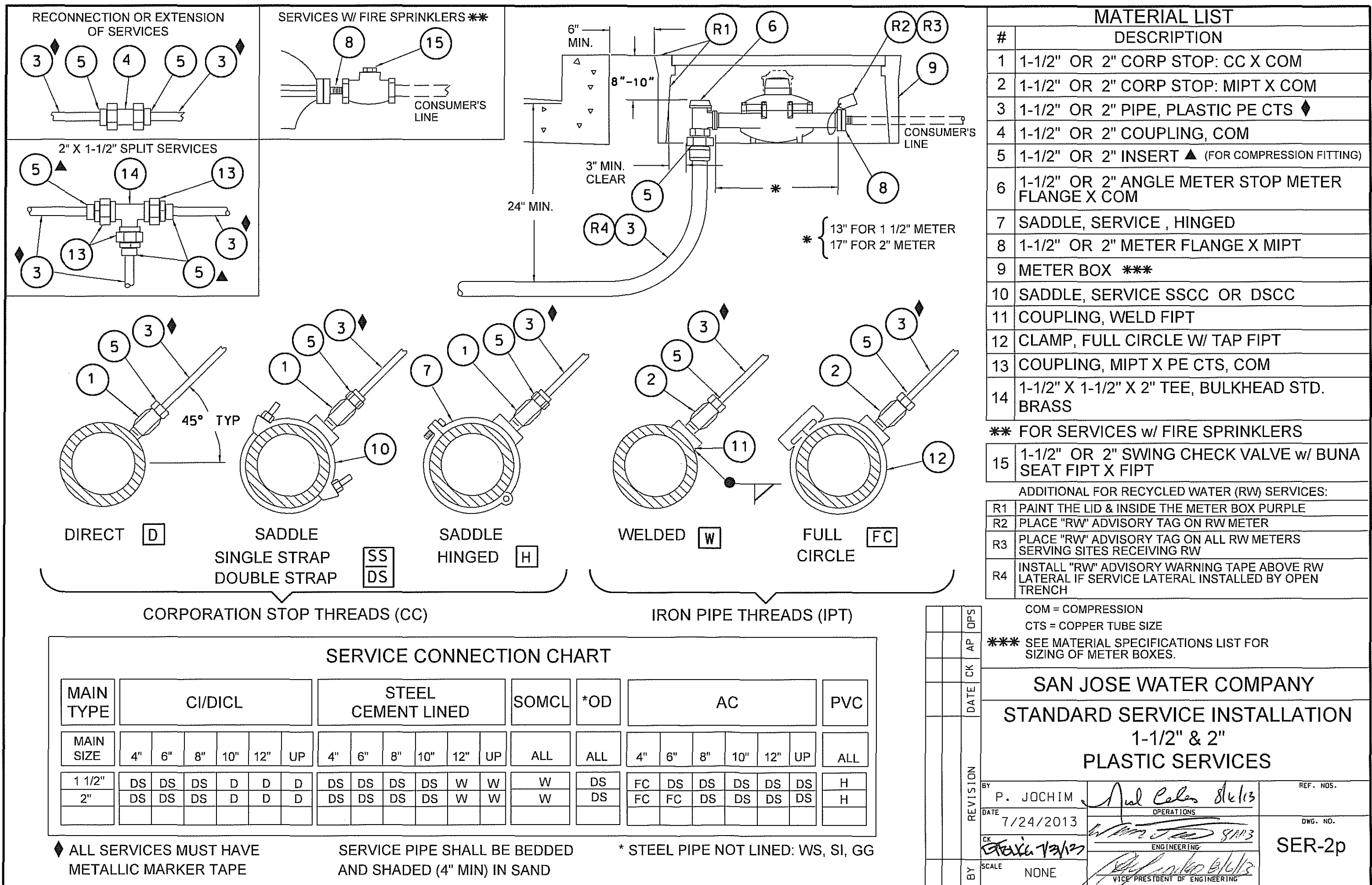
PLASTIC SERVICES

BY	P. JOCHIM	REF. NOS.	
DATE	7/31/2013	OPERATIONS	
CK	7/31/2013	ENGINEERING	
SCALE	SHOWN	VICE PRESIDENT OF ENGINEERING	

DWG. NO. **SER-1p**

Effective 09/03/2013





UTILITY BOX w/ READING LID & EXTENSION (IF REQUIRED). SEE MATERIAL SPECIFICATIONS LIST FOR SIZING OF BOX.

1/4" PLUG, STD. BRASS

1/4" BALL VALVE

1/4" X 3" NIPPLE, BRASS

1-1/2" OR 2" X 1/4" BUSHING, STD. BRASS

CONSUMER'S LINE

1-1/2" OR 2" STRAIGHT METER VALVE OR CHECK VALVE w/ BUNA SEAT (FOR FIRE SPRINKLERS ONLY) FIPT X FIPT

1-1/2" OR 2" NIPPLE, CLOSE BRASS

1-1/2" OR 2" TEE, BRASS

1-1/2" OR 2" INSULATION KIT (COPPER SERVICES)

1-1/2" OR 2" METER FLG MALE

1-1/2" OR 2" REGULATOR FIPT X FIPT

1-1/2" OR 2" STRAINER FIPT X FIPT

1-1/2" OR 2" METER FLG MALE

1-1/2" OR 2" FLANGED ANGLE METER STOP *

1-1/2" OR 2" SERVICE LINE FROM MAIN

1-1/2" OR 2" CORP STOP *

SEE STD. DWG. SER-2c OR SER-2p FOR TYPE OF CONNECTION ON ANGLE METER STOP & CORP STOP
* RATED FOR 300 P.S.I. WORKING PRESSURE

3" MIN. CLEAR

BRASS PLUG

1-1/2" OR 2" NIPPLE, STD. CLOSE BRASS

1-1/2" OR 2" FLANGED METER

MAIN PIPE (DEPTH VARIES)

SINGLE BOX CONFIGURATION

1-1/2" OR 2" METER FLG, FEMALE

12" X 1-1/2" OR 2" NIPPLE, STD BRASS (LENGTH CAN BE VARIED AS NEEDED)

3" MIN. CLEAR

ALTERNATE CONFIGURATION TO SINGLE BOX LAYOUT FOR NARROW INSTALLATION AREAS.

ALL FITTINGS SAME AS ABOVE EXCEPT AS SHOWN.

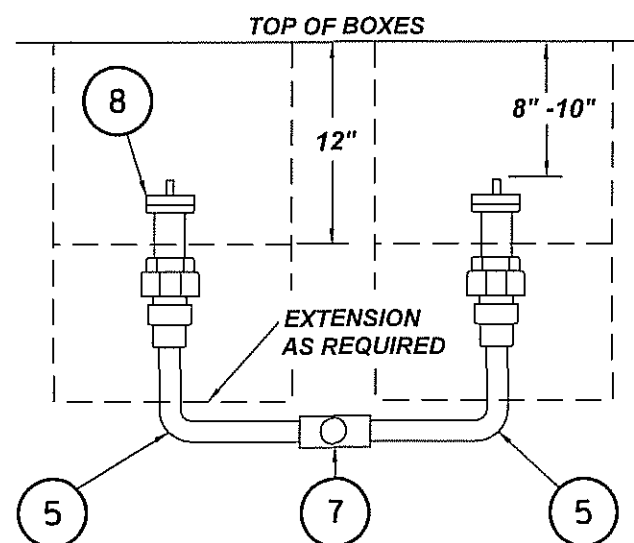
SEE MATERIAL SPECIFICATIONS LIST FOR SIZING OF BOXES.

TANDEM BOX CONFIGURATION

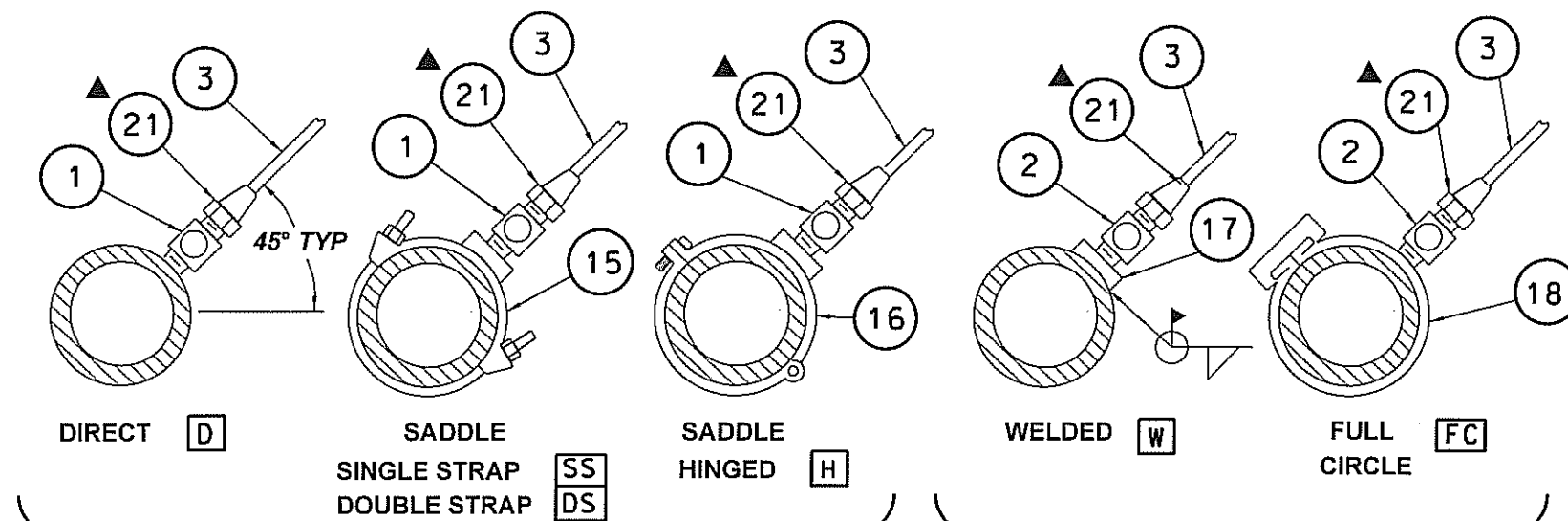
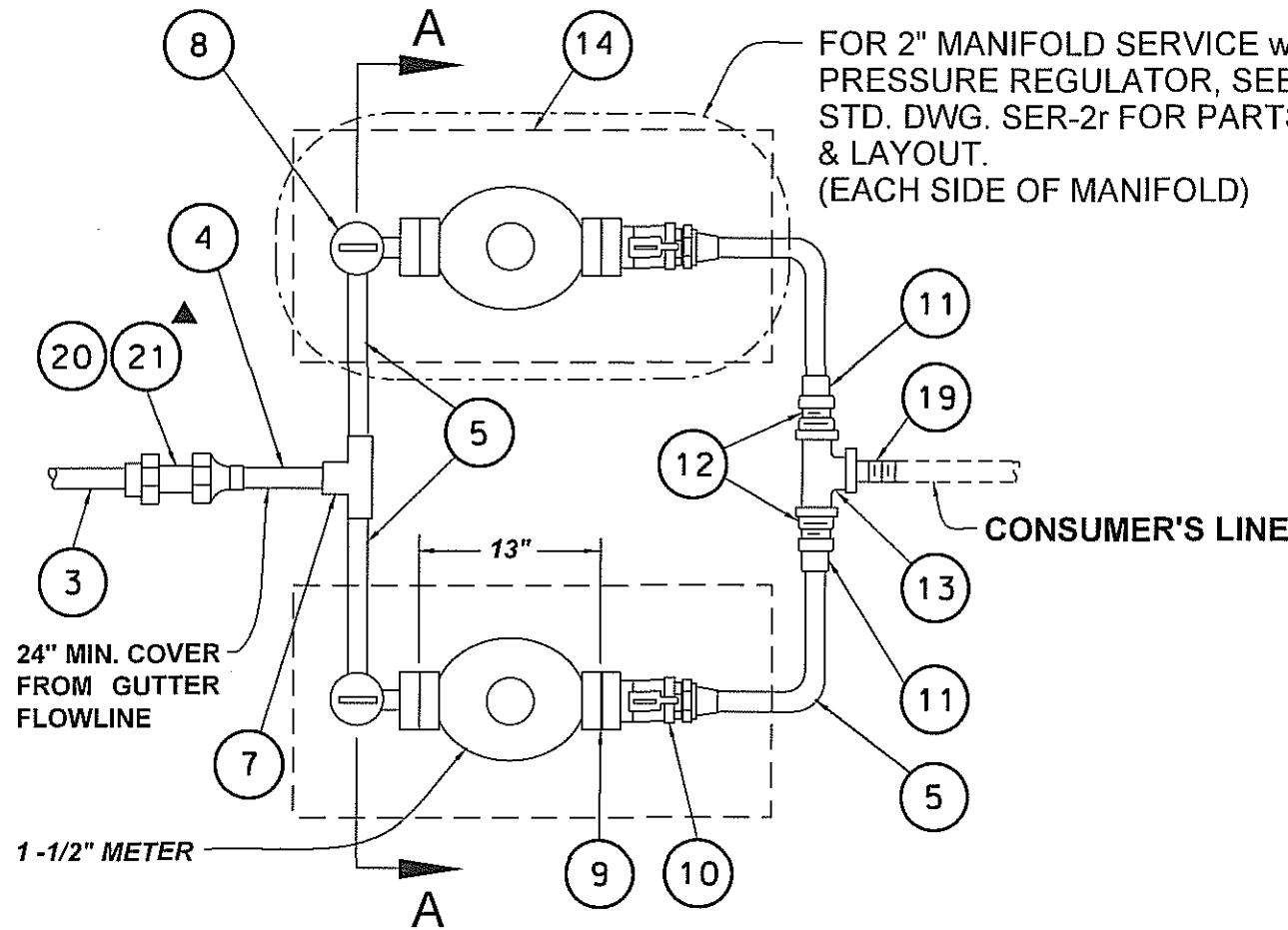
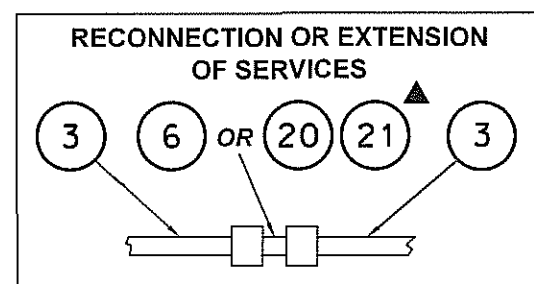
NOTES:

SET OUTLET PRESSURE TO 90 P.S.I. UNLESS OTHERWISE SPECIFIED.

REVISION		DATE	CK	SAN JOSE WATER COMPANY	
				1-1/2" OR 2" SERVICE w/ PRESSURE REGULATOR	
BY	REVISION	DATE	CK	OPERATIONS	REF. NOS.
		6/3/2013			DWG. NO.
	SCALE	NONE			SER-2r



SECTION A-A



CORPORATION STOP THREADS (CC)

IRON PIPE THREADS (IPT)

SERVICE CONNECTION CHART

TYPE	CI/DICL						STEEL CEMENT LINED						SOMCL	*OD	AC						PVC
SIZE	4"	6"	8"	10"	12"	UP	4"	6"	8"	10"	12"	UP	ALL	ALL	4"	6"	8"	10"	12"	UP	ALL
2"	DS	DS	DS	D	D	D	DS	DS	DS	DS	W	D	W	DS	FC	FC	DS	DS	DS	DS	H

* STEEL PIPE NOT LINED: WS, SI & GG

MATERIAL LIST

#	DESCRIPTION
1	2" CORP STOP: CC X FLR (COPPER SERVICE) OR CC X COM (PLASTIC SERVICE)
2	2" CORP STOP: MIPT X FLR (COPPER SERVICE) OR MIPT X COM (PLASTIC SERVICE)
3	2" PIPE, COPPER TYPE K OR PLASTIC PE CTS
4	2" PIPE, COPPER TYPE K
5	1-1/2" PIPE, COPPER TYPE K
6	2" COUPLING, STREAMLINE, FLR X FLR
7	1-1/2" X 1-1/2" X 2" TEE, STREAMLINE FLR X FLR X FLR
8	1-1/2" ANGLE METER STOP, METER FLANGE X FLR
9	1-1/2" KIT, INSULATING (EACH METER)
10	1-1/2" STRAIGHT METER VALVE, METER FLG X FLR
11	1-1/2" COUPLING, STREAMLINE MIPT X FLR
12	2" X 1-1/2" BUSHING, BRASS MIPT X FIPT
13	2" TEE, BRASS, FIPT X FIPT X FIPT
14	METER BOX *
15	SADDLE, SERVICE SSCC OR DSCC
16	SADDLE, SERVICE CC
17	COUPLING, WELD FIPT
18	CLAMP, FULL CIRCLE w/ TAP FIPT
19	2" NIPPLE, BRASS CLOSE
20	2" COUPLING, COM X COM (PLASTIC TO PLASTIC) OR COM X FLR (PLASTIC TO COPPER)
21	2" INSERT ▲ (COMPRESSION FITTINGS ON PLASTIC SERVICES)

* REFER TO MATERIAL SPECIFICATIONS LIST FOR SIZING OF METER BOXES.

♦ ALL PLASTIC SERVICES MUST HAVE TRACER WIRE INSTALLED PER SPECIFICATIONS.

SERVICE PIPE SHALL BE BEDDED AND SHADED (4" MIN) IN SAND.

REVISION	DATE	CK	AP	OPS
BY	P. JOCHIM			
DATE	7/2/2013			
CK	7/2/13			
SCALE	NONE			

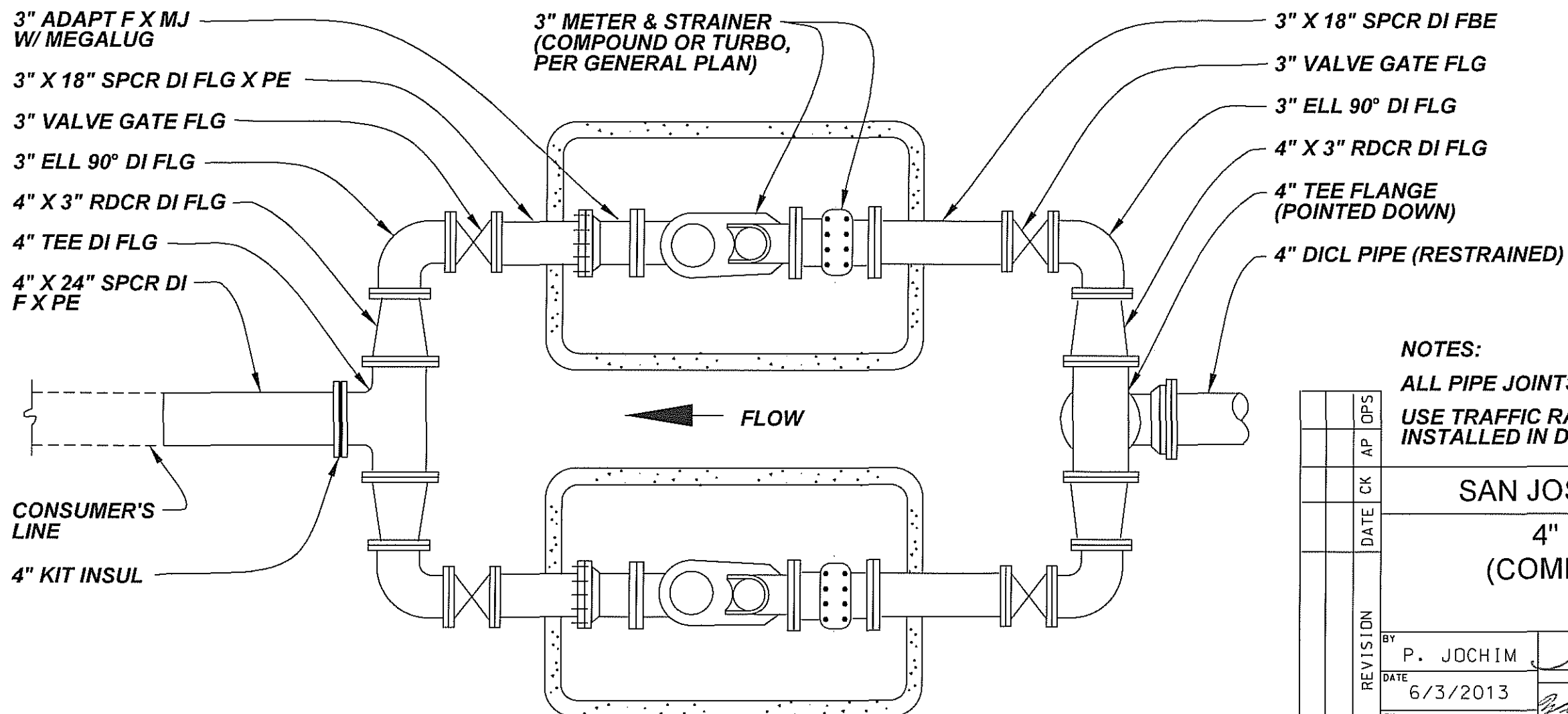
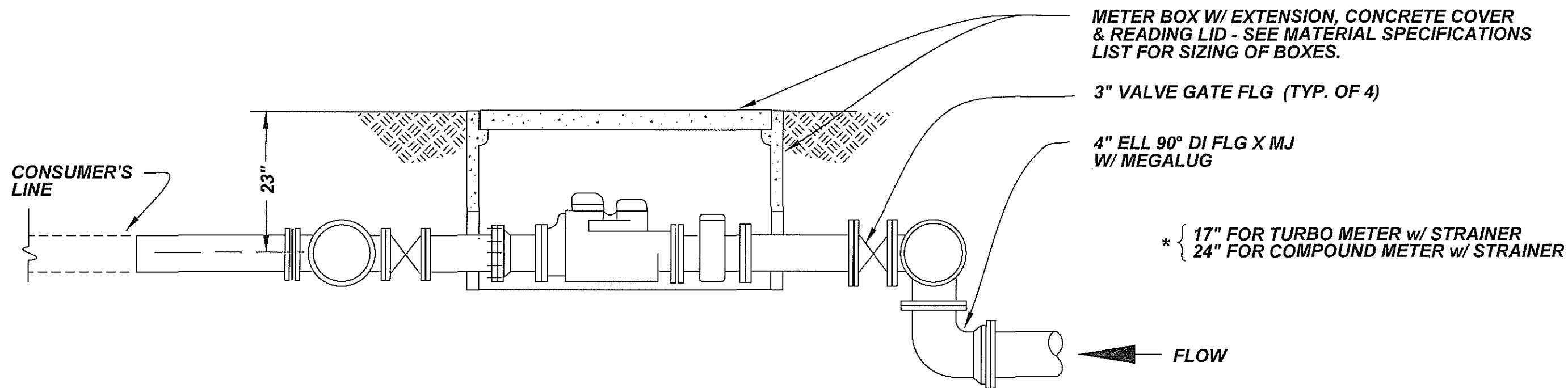
SAN JOSE WATER COMPANY

**2" MANIFOLD SERVICE
w/ 2 - 1-1/2" METERS**

BY	P. JOCHIM	REF. NOS.
DATE	7/2/2013	
CK	7/2/13	
SCALE	NONE	

SER-2M

Effective 09/03/2013

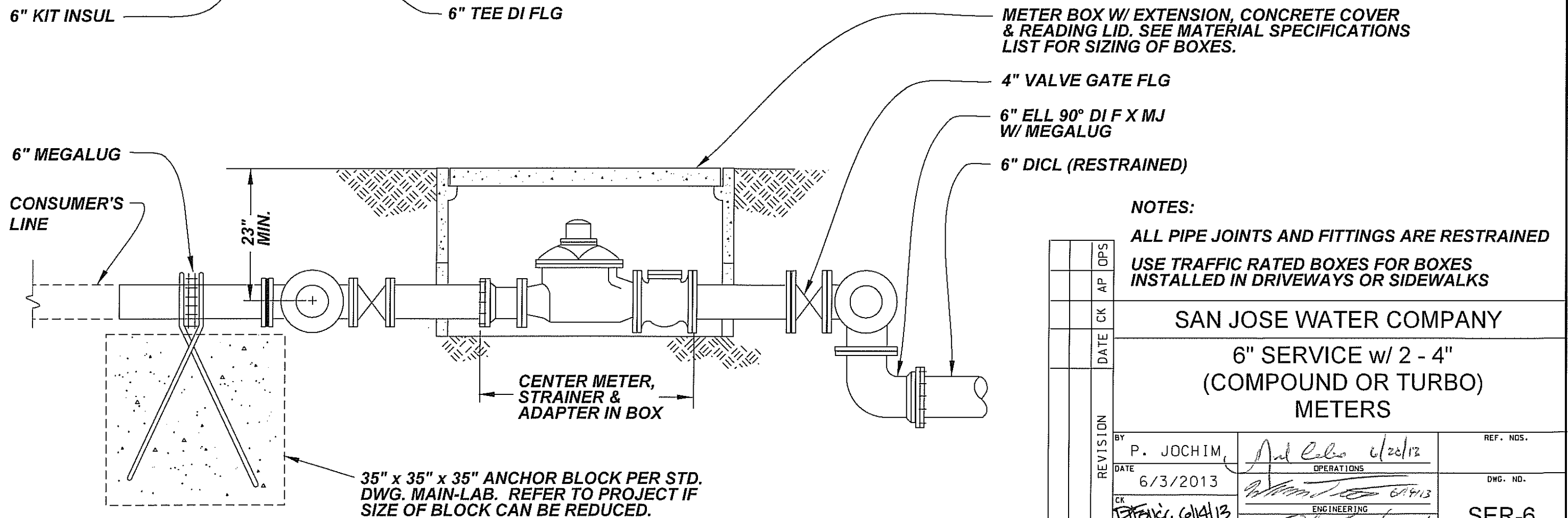
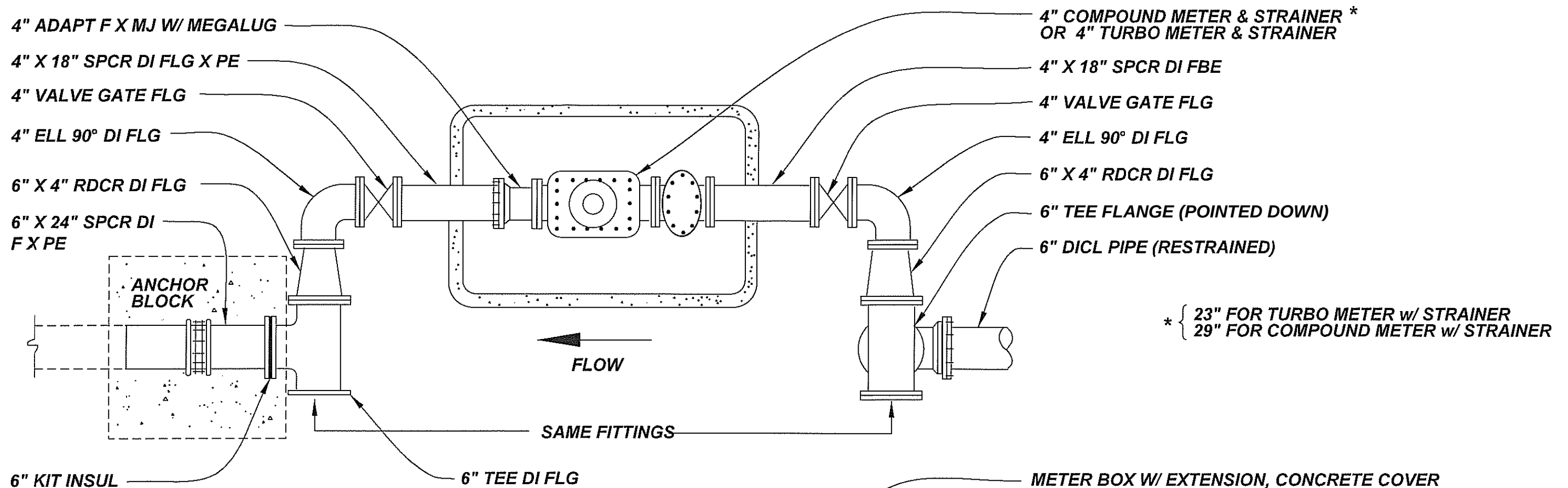


NOTES:

ALL PIPE JOINTS AND FITTINGS ARE RESTRAINED
USE TRAFFIC RATED BOXES FOR BOXES
INSTALLED IN DRIVEWAYS OR SIDEWALKS

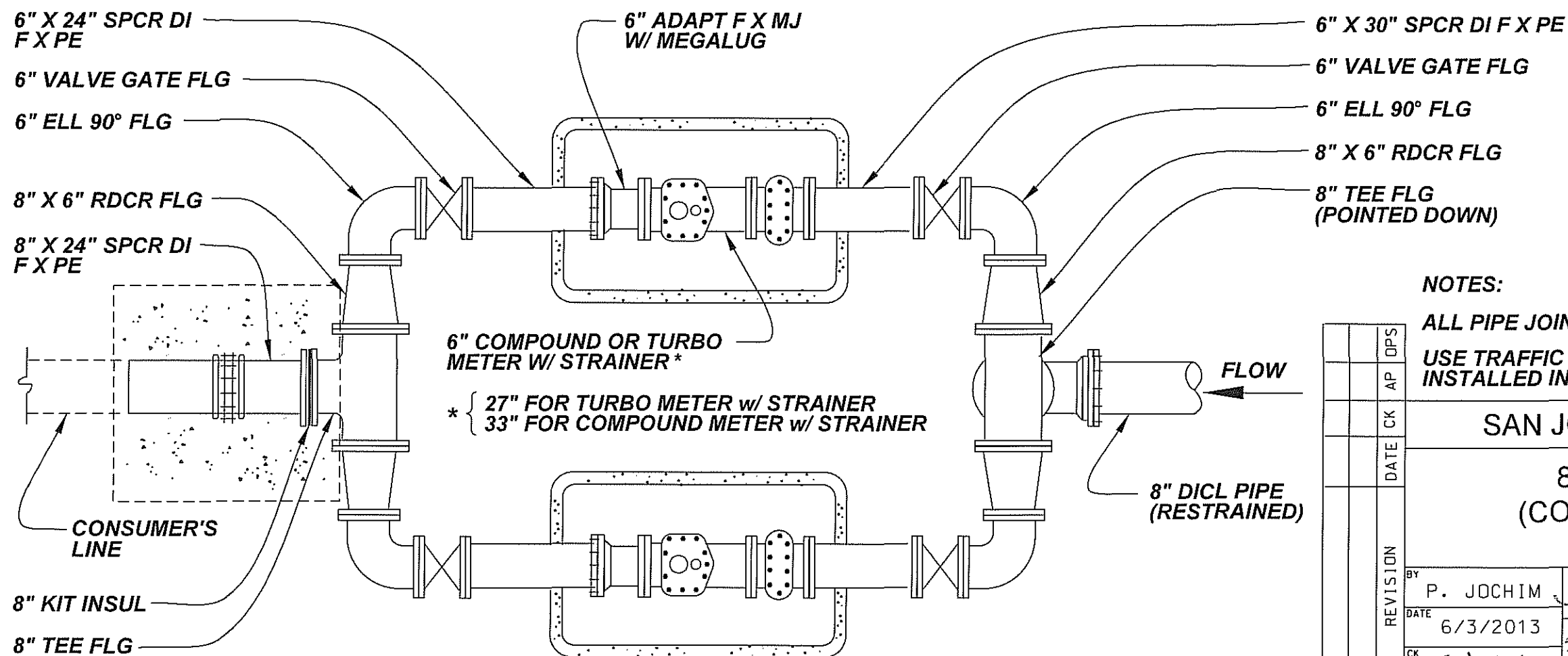
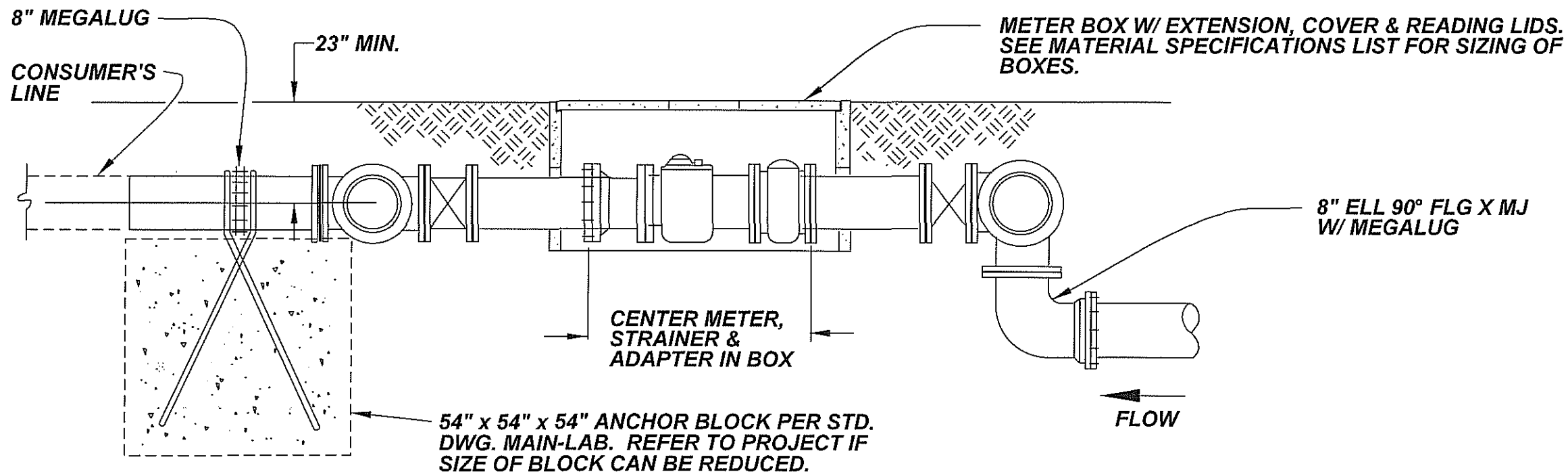
REVISION	DATE	CK	AP	OPS	SAN JOSE WATER COMPANY		
					4" SERVICE w/ 2 - 3" (COMPOUND OR TURBO) METERS		
BY	P. JOCHIM	[Signature]			REF. NOS.		
DATE	6/3/2013	[Signature]			OPERATIONS		
CK	[Signature]	[Signature]			ENGINEERING		
BY	SCALE	NONE	[Signature]			DWG. NO.	SER-4

Effective 09/03/2013



REVISION	DATE	CK	AP	OPS
BY	P. JOCHIM			
DATE	6/3/2013			
CK	6/14/13			
BY	SCALE	NONE		

OPERATIONS	6/20/12	REF. NOS.
ENGINEERING	6/14/13	DWG. NO.
VICE PRESIDENT OF ENGINEERING	7/19/13	SER-6



NOTES:

ALL PIPE JOINTS AND FITTINGS ARE RESTRAINED
USE TRAFFIC RATED BOXES FOR ALL BOXES
INSTALLED IN DRIVEWAYS OR SIDEWALKS

REVISION	DATE	CK	AP	DPS
BY	DATE	CK	AP	DPS
P. JOCHIM	6/3/2013			
6/14/13				
NONE				
SAN JOSE WATER COMPANY				
8" SERVICE w/ 2 - 6" (COMPOUND OR TURBO) METERS				
BY P. JOCHIM			REF. NOS.	
DATE 6/3/2013			DWG. NO.	
CK 6/14/13			SER-8	
SCALE NONE			VICE/PRESIDENT OF ENGINEERING	



3-3/4" METER BANK
(1 1/2" Service w/3-3/4" Offsets)

[illegible]

[illegible]



[illegible]

[illegible]



