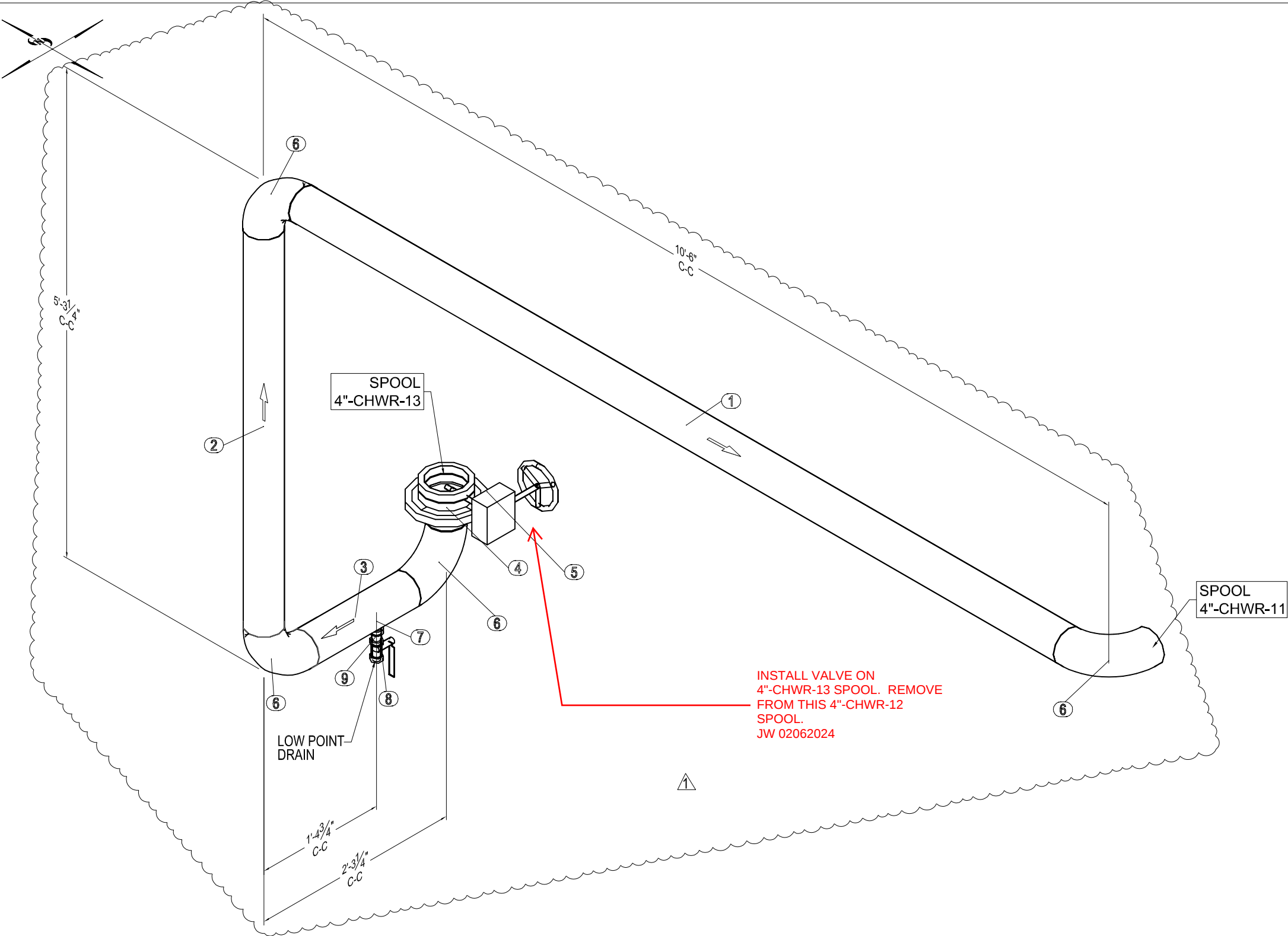


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MP Bill of Material					
No.	Qty	Size	Length	Item	Service
1	1	4	9'-5 13/16"	Sch 40 A-53 Blk Pipe	CHWR
2	1	4	4'-3 3/16"	Sch 40 A-53 Blk Pipe	CHWR
3	1	4	1'-3 1/8"	Sch 40 A-53 Blk Pipe	CHWR
4	1	4		150# Raised Face Weld Neck Flange	CHWR
5	1	4		Milwaukee BFV ML33 2-12in	CHWR
6	4	4		Long Radius 90	CHWR
7	1	3/4x4		Figure Full Anvilet (Thread O Let)	CHWR
8	1	3/4		Milwaukee Ball Valve BA-400	CHWR
9	1	3/4x2		Sch 40 Blk Std Nipple	CHWR

LINEAR FEET OF PIPE = 15'-0 1/8"

FIELD SUPERVISOR APPROVAL STAMP

SYMBOL LEGEND

SIZE
SYSTEM
LINE NUMBER
SPEC
SHEET NUMBER
X-XXX-XXX-XX-X



FLOW ARROW

FW

WELD BOX (FIELD)



INSTRUMENT TAG NO.

SW

WELD BOX (SHOP)



MAT'L LIST
& CUT LIST



SLOPE DIR.



Murray Company

MECHANICAL CONTRACTORS

CONTRACTORS LICENSE NO. 162382

CORPORATE
18414 SOUTH SANTA FE AVE.
RANCHO DOMINGUEZ, CA 90221

NCA BRANCH
2090 FARALLON DR.
SAN LEANDRO, CA 94577

NEWBURY PARK
3541 OLD CONEJO ROAD #119
NEWBURY PARK, CA 91320

SAN DIEGO
8520 PRODUCTION AVE.
SAN DIEGO, CA 92121

REF. PLAN: MP-411 SPOOL MAP

P&ID:

DRAWING NUMBER: 4-CHWR-12