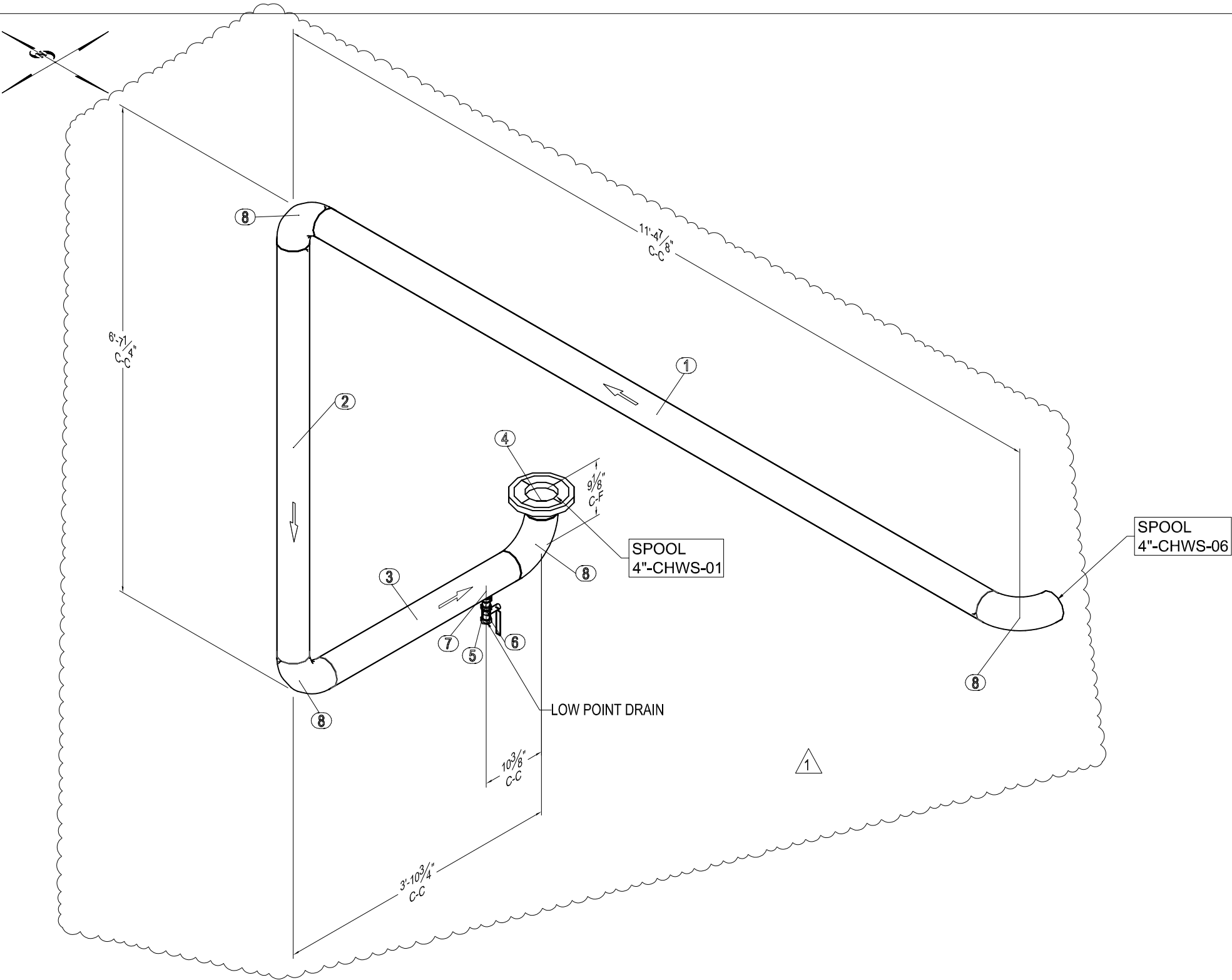


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MP Bill of Material

No.	Qty	Size	Length	Item	Service
1	1	4	10'-4 3/4"	Sch 40 A-53 Blk Pipe	CHWS
2	1	4	5'-7 3/16"	Sch 40 A-53 Blk Pipe	CHWS
3	1	4	2'-10 9/16"	Sch 40 A-53 Blk Pipe	CHWS
4	1	4		150# Raised Face Weld Neck Flange	CHWS
5	1	3/4x2		Sch 40 Blk Stl Nipple	CHWS
6	1	3/4		Milwaukee Ball Valve BA-400	CHWS
7	1	3/4x4		Figure Full Anvilet (Thread O Let)	CHWS
8	4	4		Long Radius 90	CHWS

LINEAR FEET OF PIPE = 18'-10 1/2"

FIELD SUPERVISOR APPROVAL STAMP

SYMBOL LEGEND

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



FLOW ARROW



INSTRUMENT TAG NO.



MAT'L LIST  
& CUT LIST

FW

WELD BOX (FIELD)

SW

WELD BOX (SHOP)



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-CHWS-05