



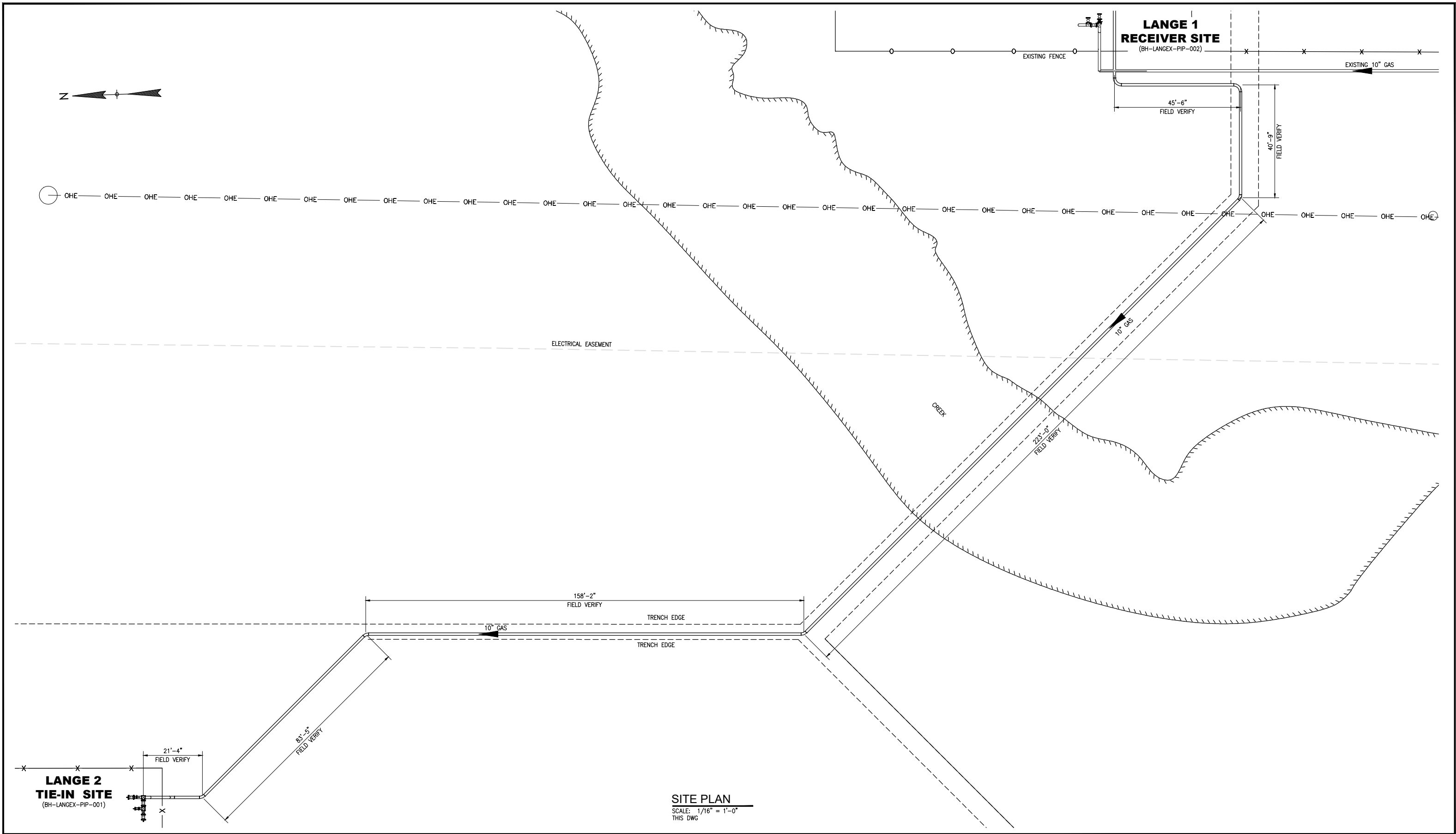
BLACK HILLS
LANGE PB2 EXTENSION – 10” GAS PIPELINE
DRAWING INDEX
09/24/2025

DRAWING NUMBER	DESCRIPTION	REVISION	DATE
BH-LANGEX-SP-001	LANGE PB2 – SITE PLAN	1	09/24/2025
BH-LANGEX-PIP-001	LANGE PB2 – LANGE 2 TIE-IN SITE – PLOT PLAN	1	09/24/2025
BH-LANGEX-PIP-001A	LANGE PB2 – LANGE 2 TIE-IN SITE – DETAILED PLAN, SECTION & DETAILS	1	09/24/2025
BH-LANGEX-PIP-001B	LANGE PB2 – LANGE 2 TIE-IN SITE – ISOMETRIC & BOM	1	09/24/2025
BH-LANGEX-PIP-002	LANGE PB2 – LANGE 1 RECEIVER SITE – PLOT PLAN	1	09/24/2025
BH-LANGEX-PIP-002A	LANGE PB2 – LANGE 1 RECEIVER SITE – SECTIONS	1	09/24/2025
BH-LANGEX-PIP-002B	LANGE PB2 – TIE-IN SITE – ISOMETRIC & BOM	1	09/24/2025



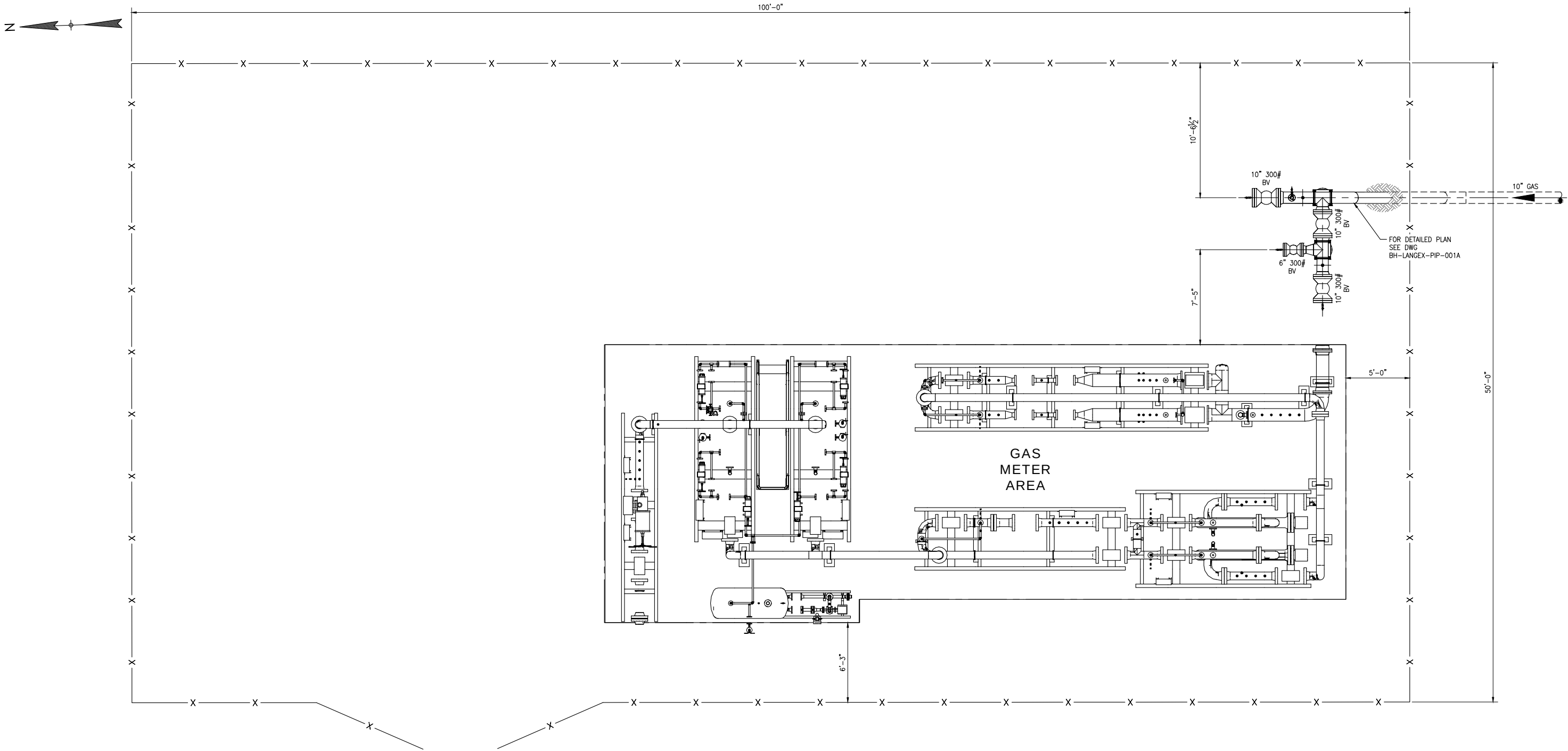
VICINITY MAP
NTS

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: P:\CORROSION\BLACK HILLS CORPORATION\SOUTH DAKOTA\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-SITE PLANNING\DWG DATE: Sep 23, 2025 2:33pm



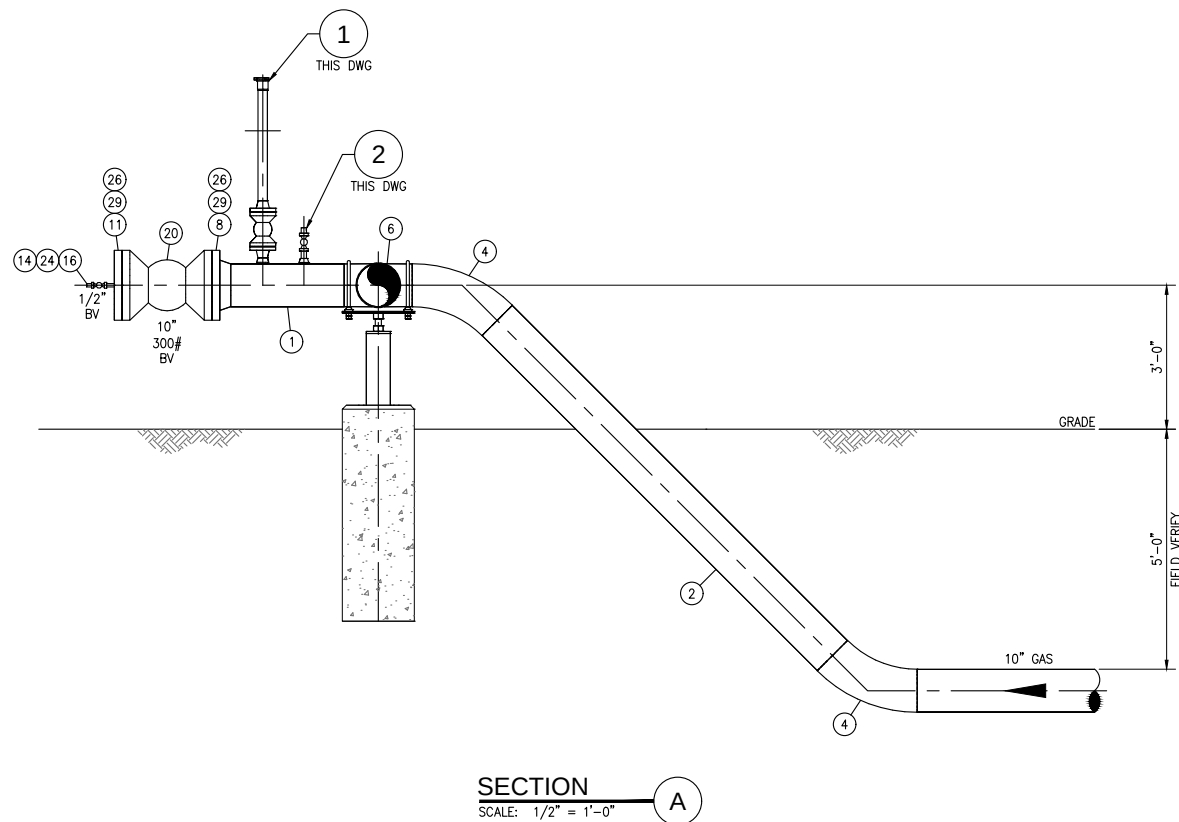
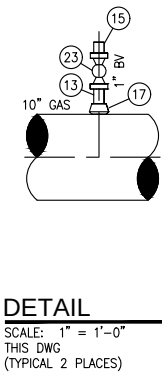
NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS					BLACK HILLS ENERGY								
													SIGNATURE	DATE		LANGE PB2 EXPANSION PIPELINE SITE PLAN								
													DRAWN	-					-					
													CHECKED	-					-					
														APPROVED					-	-				
	BH-LANGEX-PIP-002	LANGE PB2 - LANGE 1 RECEIVER SITE - PLOT PLAN	1	ISSUED FOR CONSTRUCTION	MAK	09-24-2025	DAN	09-24-2025	-	-						SCALE: AS NOTED			DRAWING NO. BH-LANGEX-PIP-001			REV. 1		
	BH-LANGEX-PIP-001	LANGE PB2 - LANGE 2 TIE-IN SITE - PLOT PLAN	0	ISSUED FOR CONSTRUCTION	MAK	07-16-2025	DAN	07-16-2025	-	-														
DWG NO.		TITLE		REV	DESCRIPTION				BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE										

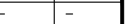
THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: P:\CORROSION\BLACK HILLS CORPORATION\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-PIP-001.DWG BY:MKNUSEN DATE:Sep 23, 2025 12:52pm



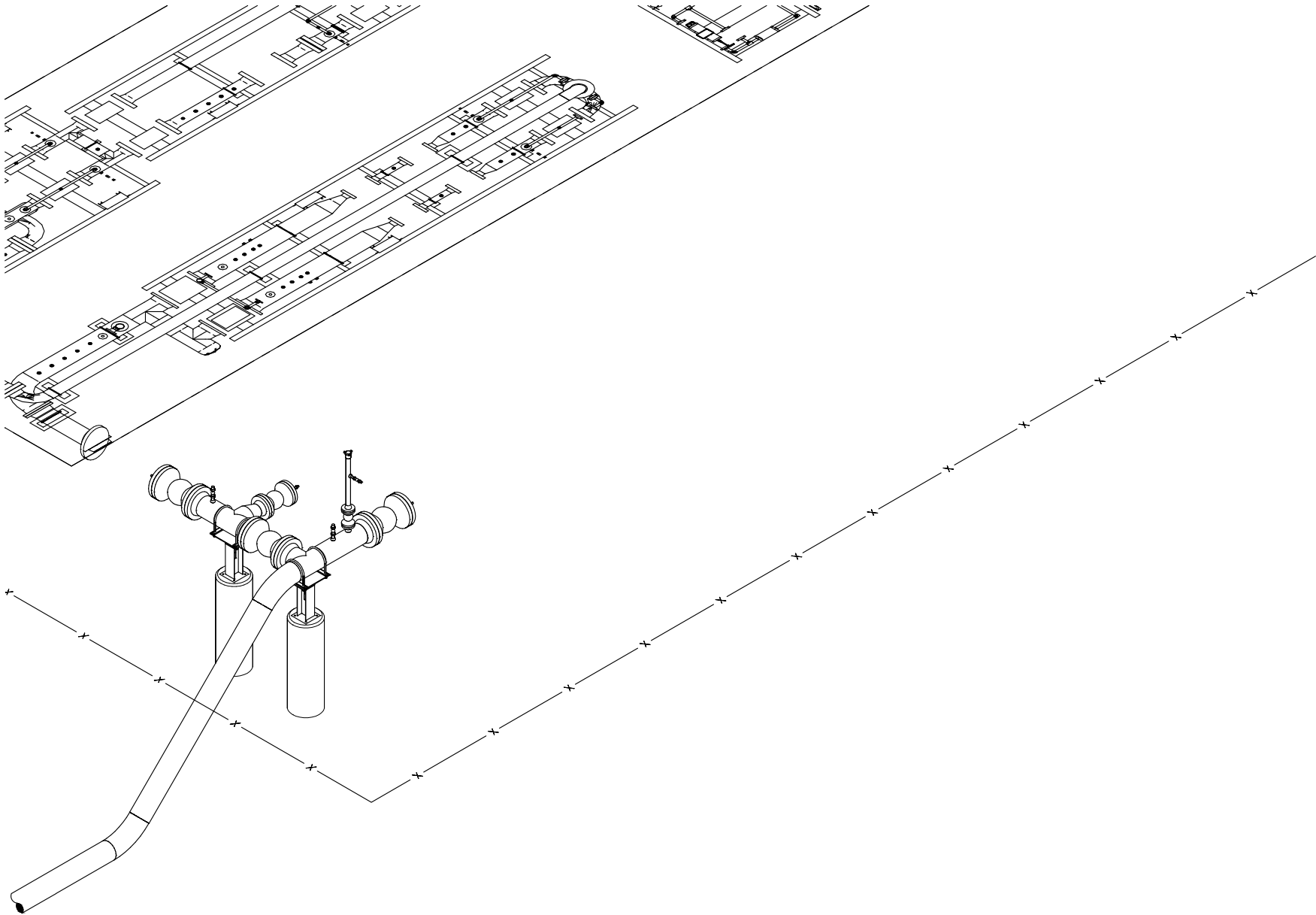
PLOT PLAN
SCALE: 1/4" = 1'-0"

NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS							BLACK HILLS ENERGY		
	BH-LANGEX-PIP-001A	LANGE PB2 - LANGE 2 TIE-IN SITE - DETAILED PLAN	1	ISSUED FOR CONSTRUCTION			MAK	09-24-2025	DAN	09-24-2025	-	-			LANGE PB2 LANGE 2 TIE-IN SITE PLOT PLAN					
			0	ISSUED FOR CONSTRUCTION			MAK	07-02-2025	DAN	07-02-2025	-	-								
	DWG NO.	TITLE	REV	DESCRIPTION			BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE	SCALE:					DRAWING NO.	REV.	
													AS NOTED					BH-LANGEX-PIP-001	1	



NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS				BLACK HILLS ENERGY		
												SIGNATURE	DATE				
												DRAWN	-		-		
												CHECKED	-		-		
												APPROVED	-		-		
																	
			1	ISSUED FOR CONSTRUCTION	MAK	09-24-2025	DAN	09-24-2025	-	-							
	BH-LANGEX-PIP-002	LANG PB2 - LANG 2 TIE-IN SITE - PLOT PLAN	0	ISSUED FOR CONSTRUCTION	MAK	07-02-2025	DAN	07-02-2025	-	-							
	DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE							
															LANG 2 PB2 LANG 2 TIE-IN SITE DETAILED PLAN, SECTION, & DETAILS		
SCALE:		DRAWING NO.		REV.													
AS NOTED		BH-LANGEX-PIP-001A		1													

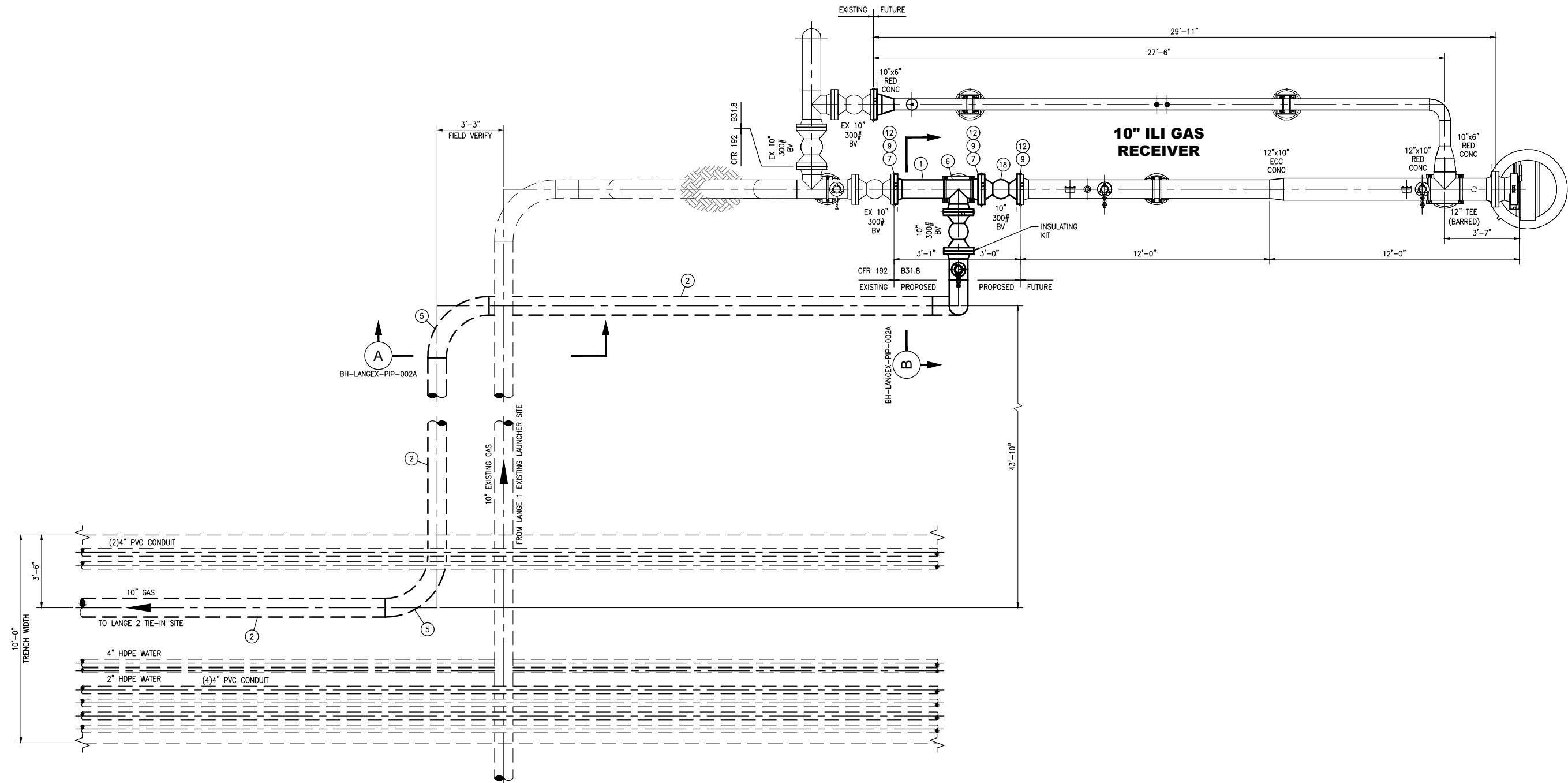
THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: P:\CORROSION\BLACK HILLS CORPORATION\SOUTH DAKOTA\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-PIP-001.DWG BY:MKNUSEN DATE:Sep 23, 2025 12:52pm



ISOMETRIC
SCALE: NTS

Bill of Material				
MARK	QTY	SIZE	DESCRIPTION	LENGTH
1	1	10"	PIPE, 10.75" OD x STD (0.365), SMLS/ERW, CS, API 5L, PSL2-GR.X52, ASME B36.10M	3'-4 3/8"
2	1	10"	PIPE, 10.75" OD x STD (0.365), SMLS/ERW, CS, API 5L, PSL2-GR.X52, ASME B36.10M, W/ FBE	9'-10 1/2"
3	1	2"	PIPE, 2.375" OD x XS (0.218), SMLS, CS, ASTM A106/A53/API 5L-GR.B, ASME B36.10M	2'-3 5/8"
4	2	10"	ELBOW, 45° 3R, BW, SEGMENTABLE, SCH STD, CS, ASTM A234 WPB, ASME B16.9	-
5	1	10"	TEE, BW, STD (0.365), CS, WPHY-52, MSS SP-75	-
6	1	10"	TEE, BW, STD (0.365), CS, WPHY-52, MSS SP-75, (BARRED)	-
7	1	10"x6"	REDUCER, CONC, STD (0.365) x STD (0.280), CS, WPHY-52, MSS SP-75, I.T. M20F	-
8	4	10"	FLANGE, RFWN, CL 300, BORE TO MATCH STD (0.365), CS, ASTM A694-F52, MSS SP-44	-
9	2	2"	FLANGE, RFWN, CL 300, BORE TO MATCH XS (0.218), CS, ASTM A105, ASME B16.5	-
10	1	6"	FLANGE, RFWN, CL 300, BORE TO MATCH STD (0.280), CS, ASTM A105, ASME B16.5	-
11	2	10"x1/2"	FLANGE, BLIND, RFFE, CL 300, CS, ASTM A694-F52, MSS SP-44, W/ 1/2" NPT CENTER DRILL AND TAP	-
12	1	6"x1/2"	FLANGE, BLIND, RFFE, CL 300, CS, ASTM A105, ASME B16.5, W/ 1/2" NPT CENTER DRILL AND TAP	-
13	2	1"	NIPPLE, 1" x 3" LG., XS, SMLS, CS, ASTM A106-GR.B, POE x TOE	3"
14	4	1/2"	NIPPLE, 1/2" x 3" LG., XS, SMLS, CS, ASTM A106-GR.B, TBE	3"
15	2	1"	PLUG, THRD, HEX HEAD, CS, ASTM A105, ASME B16.11	-
16	4	1/2"	PLUG, THRD, HEX HEAD, CS, ASTM A105, ASME B16.11	-
17	2	10"x1"	SOCKOLET, SW, 10" STD x 1" XS, CS, ASTM A105, MSS SP-97	-
18	1	2"x1/2"	THREDOLET, THRD, 2" XS x 1/2" XS, CS, ASTM A105, MSS SP-97	-
19	1	10"x2"	WELDOLET, BW, 10" STD x 2" XS, CS, ASTM A694-F52, MSS SP-97	-
20	3	10"	VALVE, BALL, RFFE, CL 300, CS BODY W/ CS ENP BALL, PIGGABLE, GO, API 6D, BBRB	1'-10 3/8"
21	1	2"	VALVE, BALL, RFFE, CL 300, CS BODY W/ CS ENP BALL, NYLON SEAT, PIGGABLE, LO, API 6D, BBRA	8 1/2"
22	1	6"	VALVE, BALL, RFFE, CL 300, CS BODY W/ CS ENP BALL, PIGGABLE, LO, API 6D, BBRB	1'-3 7/8"
23	2	1"	VALVE, BALL, THRD, 750 WOG, CS BODY W/ SS TRIM, LO, ASME B16.34, BJTA	3 3/16"
24	4	1/2"	VALVE, BALL, THRD, 750 WOG, CS BODY W/ SS TRIM, LO, ASME B16.34, BJTA	2 11/16"
25	1	2"	CLOSURE, VERTICAL, QUICK OPENING, YALE, FIGURE 500, CL 600, ASTM A105	-
26	6	10"	GASKET, RFFE, CL 300, SPIRAL WOUND 304 SS, NON-ASBESTOS FILLER, 1/8" THICK, W/ INNER RING, FLEXITALLIC TYPE CGI, ASME B16.20	-
27	2	2"	GASKET, RFFE, CL 300, SPIRAL WOUND 304 SS, NON-ASBESTOS FILLER, 1/8" THICK, W/ INNER RING, FLEXITALLIC TYPE CGI, ASME B16.20	-
28	2	6"	GASKET, RFFE, CL 300, SPIRAL WOUND 304 SS, NON-ASBESTOS FILLER, 1/8" THICK, W/ INNER RING, FLEXITALLIC TYPE CGI, ASME B16.20	-
29	96	1"	STUD BOLTS, 1" DIA. x 6 1/2" LG., ASTM A193-GR.B7 W/ ASTM A194-GR.2H NUTS (FOR 10" CL 300 FLANGE)	6 1/2"
30	24	3/4"	STUD BOLTS, 0.75" DIA. x 5" LG., ASTM A193-GR.B7 W/ ASTM A194-GR.2H NUTS (FOR 6" CL 300 FLANGE)	5"
31	16	5/8"	STUD BOLTS, 0.625" DIA. x 3 3/4" LG., ASTM A193-GR.B7 W/ ASTM A194-GR.2H NUTS (FOR 2" CL 300 FLANGE)	3 3/4"

NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS							BLACK HILLS ENERGY		
													APPROVALS							
													SIGNATURE	DATE						
													DRAWN	-		-				
													CHECKED	-		-				
													APPROVED	-	-					
	BH-LANGEX-PIP-002A	LANGE PB2 - LANGE 2 TIE-IN SITE - DETAILED PLAN	1	ISSUED FOR CONSTRUCTION	MAK	09-24-2025	DAN	09-24-2025	-	-										
			0	ISSUED FOR CONSTRUCTION	MAK	07-02-2025	DAN	07-02-2025	-	-										
	DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE										

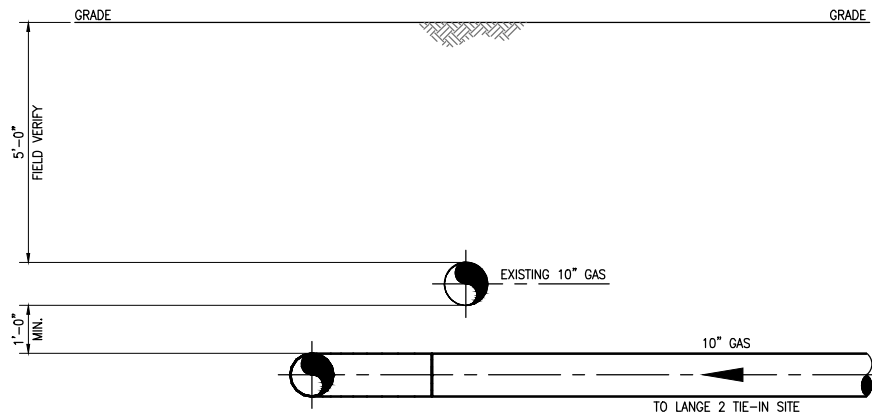


PLOT PLAN
SCALE: 3/8" = 1'-0"

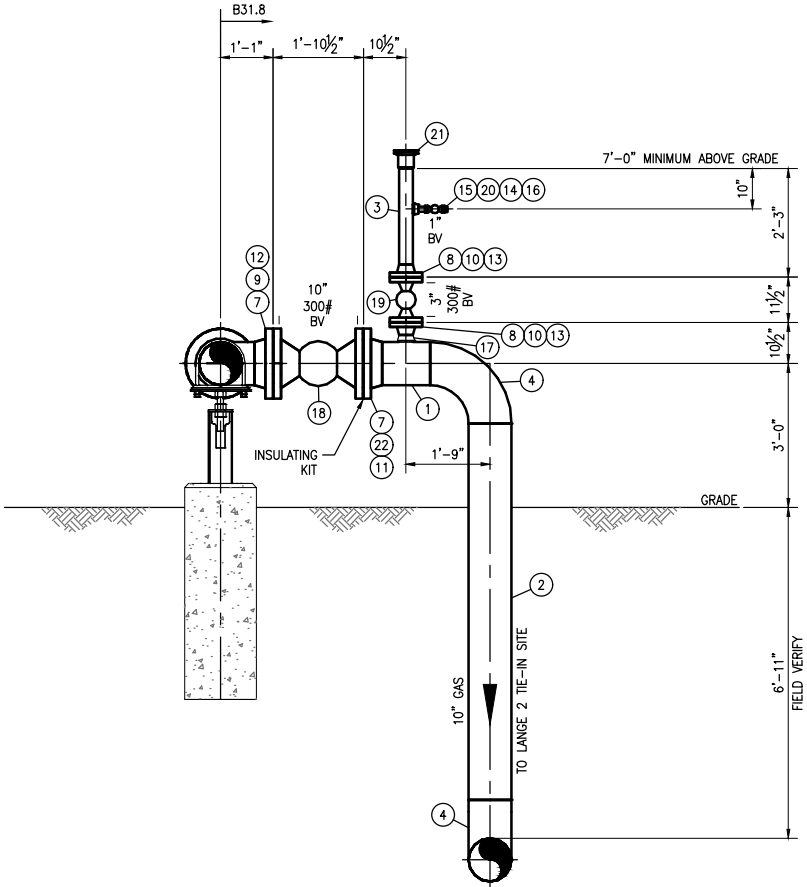
THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: P:\CORROSION\BLACK HILLS CORPORATION\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-PIP-002.DWG BY:ANDREWS DATE:Sep 23, 2025 2:31pm

NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS					BLACK HILLS ENERGY				
														SIGNATURE		DATE		LANGE PB2 LANGE 1 RECEIVER SITE PLOT PLAN		
	BH-LANGEX-PIP-002B	LANGE PB2 – LANGE 1 RECEIVER SITE – ISOMETRIC & BOM	1	ISSUED FOR CONSTRUCTION				IEA	09-24-2025	DAN	09-24-2025	-	-							
	BH-LANGEX-PIP-002A	LANGE PB2 – LANGE 1 RECEIVER SITE – SECTIONS	0	ISSUED FOR CONSTRUCTION				MAK	07-02-2025	DAN	07-02-2025	-	-							
	DWG NO.	TITLE	REV	DESCRIPTION				BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE							
																	SCALE: AS NOTED	DRAWING NO. BH-LANGEX-PIP-002	REV. 1	

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: F:\CORROSION\BLACK HILLS CORPORATION\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-PIP-002.DWG BY:ANDREWS DATE:Sep 23, 2025 2:32pm



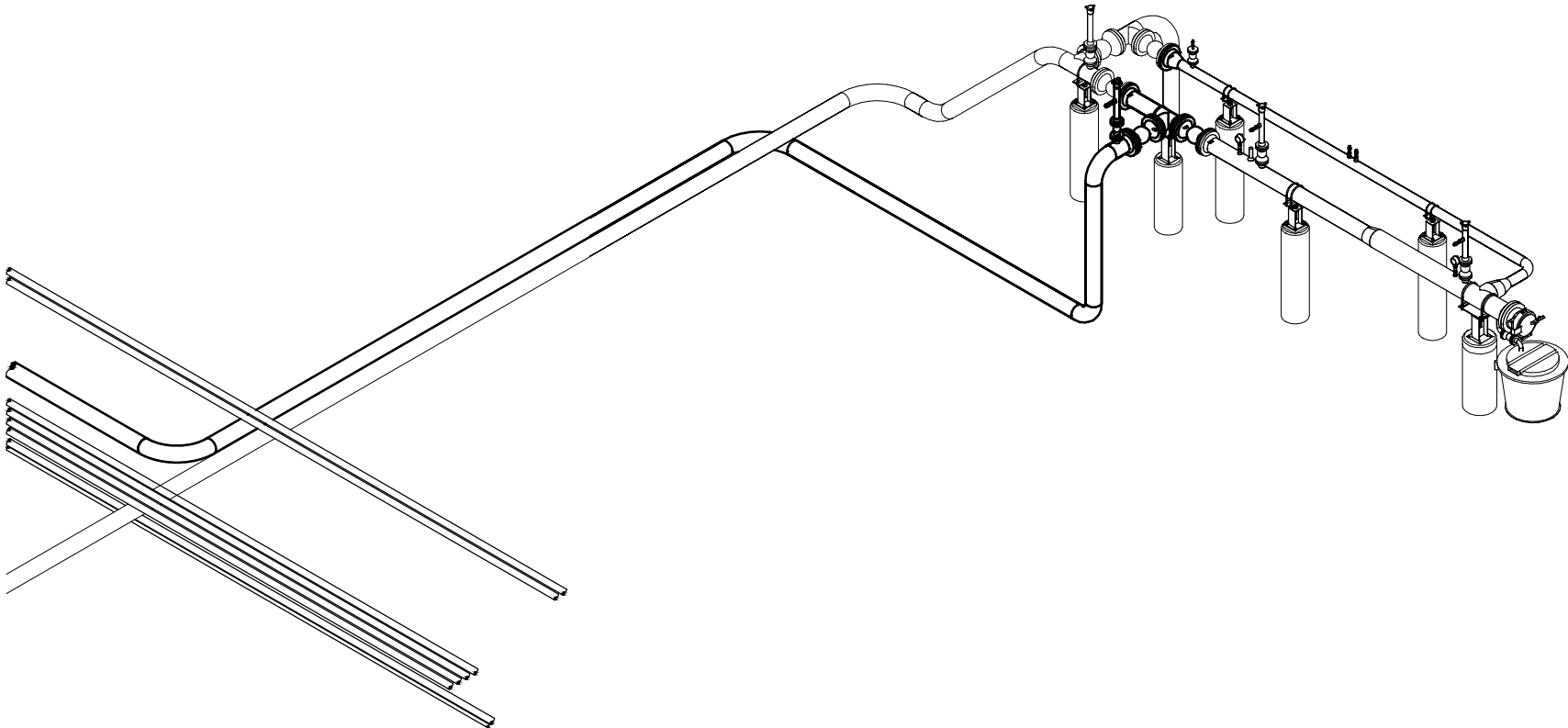
SECTION A
SCALE: 1" = 1'-0"
BH-LANGEX-PIP-002



SECTION B
SCALE: 1/2" = 1'-0"
BH-LANGEX-PIP-002

NOTES:	REFERENCE DRAWINGS		REVISIONS								APPROVALS				BLACK HILLS ENERGY					
													SIGNATURE					DATE		
													DRAWN					-	-	
													CHECKED					-	-	
															APPROVED	-	-			
																				
	BH-LANGEX-PIP-002B	LANGE PB2 - LANGE 1 RECEIVER SITE - ISOMETRIC & BOM	1	ISSUED FOR CONSTRUCTION			IEA	09-24-2025	DAN	09-24-2025	-	-								
	BH-LANGEX-PIP-002	LANGE PB2 - LANGE 1 RECEIVER SITE - PLOT PLAN	0	ISSUED FOR CONSTRUCTION			MAK	07-02-2025	DAN	07-02-2025	-	-								
		DWG NO.		TITLE	REV	DESCRIPTION			BY	DATE	CHK BY	CHK DATE	APR BY		APR DATE	SCALE: AS NOTED			DRAWING NO. BH-LANGEX-PIP-002A	REV. 1

THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF CHEVRON AND SHALL NOT BE DISCLOSED TO OTHERS OR REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WHATSOEVER EXCEPT BY WRITTEN PERMISSION BY THE OWNER.
FILE PATH: F:\CORROSION\BLACK HILLS CORPORATION\SOUTH DAKOTA\PROJECTS\2025 LANGE PB2\09 PROJECT DRAWINGS\09 PIPING\BH-LANGEX-PIP-002.DWG BY:ANDREWS DATE:Sep 23, 2025 2:37pm



ISOMETRIC
SCALE: NTS

Bill of Material				
MARK	QTY	SIZE	DESCRIPTION	LENGTH
1	1	10"	PIPE, 10.75" OD x STD (0.365), SMLS/ERW, CS, API 5L, PSL2-GR.X52, ASME B36.10M	3'-0"
2	1	10"	PIPE, 10.75" OD x STD (0.365), SMLS/ERW, CS, API 5L, PSL2-GR.X52, ASME B36.10M, W/ FBE	117'-0 5/8"
3	1	3"	PIPE, SCH STD, CS, SMLS/ERW, ASTM A106/API 5L PSL-2 (-20 DEG F.) GR B	2'-0"
4	2	10"	ELBOW, 90° LR, BW, SCH STD, CS, ASTM A234 WPB, ASME B16.9	-
5	2	10"	ELBOW, 90° 3R, BW, SEGMENTABLE, SCH STD, CS, ASTM A234 WPB, ASME B16.9	-
6	1	10"	TEE, BW, SCH STD, CS, ASTM A234 WPB, ASME B16.9, BARRED	-
7	4	10"	FLANGE, RFWN, CL 300, SCH STD, ASTM A105 , ASME B16.5	-
8	2	3"	FLANGE, RFWN, CL 300, SCH STD, ASTM A105 , ASME B16.5	-
9	64	1"	STUDS, ASTM A193 GR B7, W/ (2) HH NUTS, ASTM A194 2H NUTS(10" CLASS 300)	7"
10	16	3/4"	STUDS, ASTM A193 GR B7, W/ (2) HH NUTS, ASTM A194 2H NUTS(3" CLASS 300)	4 3/4"
11	1	10"	FLANGE ISOLATION KIT, CLASS 300, RF, UCS, 610 RETAINER, SCH STD, SD, 610 BOLT SLEEVES, HC INSULATING WASHERS, LAMONS TYPE ISOTEK DEFENDER	-
12	4	10"	GASKET, CLASS 300 RF, SPIRAL WOULD, 1/8" THICK, CS OUTER RING, 304 SS WINDING WITH FLEXIBLE GRAPHITE FILLER, SS INNER RING, ASME B16.20, FLEXITALLIC CGI OR EQUAL, ASME B16.5	-
13	2	3"	GASKET, CLASS 300 RF, SPIRAL WOULD, 1/8" THICK, CS OUTER RING, 304 SS WINDING WITH FLEXIBLE GRAPHITE FILLER, SS INNER RING, ASME B16.20, FLEXITALLIC CGI OR EQUAL, ASME B16.5	-
14	1	1"	NIPPLE, SCH 160, CS, SMLS, ASTM A106/API 5L PSL-2 (-20 DEG F.) GR B, THRD	3"
15	1	1"	HEX PLUG, THRD, CL 3000, SOLID BAR STOCK, ASTM A105, ASME B16.11	-
16	1	3"x1"	THRD-O-LET, CL 3000, CS, ASTM A105, MSS SP-97	-
17	1	10"x3"	WELD-O-LET, BW, SCH STD X SCH STD, CS, ASTM A105 , MSS SP-97	-
18	2	10"	VALVE, BALL, CLASS 300, RF, ASTM A216 WCB, CS BODY, NYLON SEATS, API 6D, TRUNNION MOUNTED, LOCKABLE GEAR OPERATED, FULL PORT, API 6D	1'-10 3/8"
19	1	3"	VALVE, BALL, CLASS 300, RF, ASTM A216 WCB, CS BODY, NYLON SEATS, API 6D, FLOATING BALL, LEVER OPERATED, FULL PORT, API 6D	11 1/8"
20	1	1"	VALVE, BALL, 750 CWP, ASTM A105, CS BODY, NYLON SEATS, LEVER OPERATED, THREADED, FULL PORT, API 6D	3 5/8"
21	1	3"	CLOSURE, VERTICAL, QUICK OPENING, YALE, FIGURE 500, CL 300, ASTM A105N	-
22	16	1"	STUD BOLTS, INSULATING KIT, 1" DIA. x 6 3/4" LG., ASTM A193-GR.B7 W/ ASTM A194-GR.2H NUTS (FOR 10" CL 300 FLANGE)	7 1/4"

NOTES:

REFERENCE DRAWINGS

REVISIONS

APPROVALS

DRAWN	-	-
CHECKED	-	-
APPROVED	-	-



BLACK HILLS ENERGY

LANGE PB2
LANGE 1 RECEIVER SITE
ISOMETRIC & BILL OF MATERIAL

SCALE: AS NOTED	DRAWING NO. BH-LANGEX-PIP-002B	REV. 1
--------------------	-----------------------------------	-----------

BH-LANGEX-PIP-002A	LANGE PB2 - LANGE 1 RECEIVER SITE - SECTIONS	1	ISSUED FOR CONSTRUCTION	IEA	09-24-2025	DAN	09-24-2025	-	-
BH-LANGEX-PIP-002	LANGE PB2 - LANGE 1 RECEIVER SITE - PLOT PLAN	0	ISSUED FOR CONSTRUCTION	MAK	07-02-2025	DAN	07-02-2025	-	-
DWG NO.	TITLE	REV	DESCRIPTION	BY	DATE	CHK BY	CHK DATE	APR BY	APR DATE