UNDERGROUND CROSSINGS – PIPELINES

		UNDERGROU	JND CROSSING	<u>5 - PIPELINE5</u>			
DRAWING NUMBER	SHT.		DRAWING T	ITLE		DWG REV.	BOM REV.
C-26-23.01	1 – 3	SASKENERGY DISTRIB	UTION NATURAL GA	S CROSSING		C/D	F
C-26-23.02	1 – 3	TRANSGAS TRANSMISS	SION NATURAL GAS	CROSSING		D/D	G
C-26-23.03	1 – 3		ES REGULATED BY T	HE NEB		D/F	н
C-26-23.03	4	CROSSING OF PIPELINE	ES REGULATED BY T		TION	0	
C-26-23.04	1 – 2	ANODE INSTALLATION				Α	0
C-26-23.05	1 – 3	CROSSING OF PIPELINE	ES NOT REGULATED	BY THE NEB		0 / B	С
		Sask Powe	r - DISTRIBUTIC	N STANDARDS			
		ROVAL DESIGN CH		N STANDARDS			
		OEN P PATEL	CHKD. PP		INDEX		
			2021/04/16				
	DAT	E OF ISSUE: 2021-08-16		C-26-23-INDEX	SHEET 1 d	o f 1 R	EV. P
	-						

CROSSING SPECIFICATIONS

- 1. THE APPROPRIATE DIVISION ENGINEER SHALL BE NOTIFIED OF PROPOSED UNDERGROUND CABLE CROSSINGS OF PLASTIC DISTRIBUTION LINES AS SOON AS PRACTICAL AFTER THE CROSSINGS HAVE BEEN IDENTIFIED. NOTIFICATION SHALL BE BY MEANS OF A ROUTE PLAN OF THE PROPOSED CABLE INSTALLATION ON WHICH ARE NOTED THE PIPELINE CROSSINGS.
- 2. APPROVED CONSTRUCTION ROUTE MAPS OF CABLE INSTALLATIONS SHALL BE FORWARDED TO APPROPRIATE CUSTOMER OPERATIONS, SUPERINTENDENT, AND TWO (2) WEEKS PRIOR TO CONSTRUCTION.
- 3. THE CUSTOMER OPERATIONS, SUPERINTENDENT SHALL BE GIVEN TWO (2) WORKING DAYS NOTICE PRIOT TO INSTALLATION OF THE CROSSING TO ALLOW FOR PIPELINE LOCATING AND STAKING.
- 4. WHERE THE CABLE CROSSES <u>BELOW AND ABOVE</u> THE PIPELINE, THERE SHALL BE A MIMIMUM VERTICAL SEPARATION OF 0.3m (1 ft) BETWEEN THE CABLE AND THE PIPELINE. WHERE THE CABLE CROSSES <u>ABOVE</u> THE PIPELINE, A MINIMUM DEPTH OF COVER OF 1m SHALL BE MAINTAINED OVER THE CABLE.
- 5. THE SAME CROSSING DEPTH OF THE UNDERGROUND CABLE SHALL BE MAINTAINED FOR THE FULL WIDTH OF THE EXISTING EASEMENT BEING CROSSED.
- 6. BEFORE EXCAVATING EQUIPMENT IS BROUGHT ONTO THE EXISTING PIPELINE EASEMENT, THE PIPELINE(S) TO BE CROSSED SHALL BE:
 - a) STAKED BY A QUALIFIED SASKENERGY PERSONNEL OR DESIGNATED SASKENERGY REPRESENTATIVE WITH A PIPELINE LOCATOR, AND;
 - b) DAYLIGHTED AS REQUIRED BY SASKENERGY.
- 7. MACHINE EXCAVATION SHALL NOT TAKE PLACE DIRECTLY OVER THE PIPELINE AND SHALL NOT TAKE PLACE WITHIN 0.6m (2 ft) FROM THE SURFACE OF THE PIPELINE. THE PIPELINE SHALL BE VISIBLE AT ALL TIMES DURING MACHINE EXCAVATION.
- 8. EXCAVATION AND SUBSEQUENT WORK SHALL BE CONDUCTED IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THE PIPELINE. WORK SHALL BE EXPEDITED TO MINIMIZE THE LENGTH OF TIME THE PIPELINE IS EXPOSED.
- 9. WHERE THE UNDERGROUND CABLE CROSSED BELOW THE SASKENERGY DISTRIBUTION PIPELINE, CABLE SPLICES SHALL BE MADE AT THE EDGE OF THE PIPELINE EASEMENT.
- 10. THE CABLE SHALL CROSS THE EXISTING PIPELINE AT AN ANGLE OF 90° WHEREVER POSSIBLE, BUT IN NO CASE AT AN ANGLE LESS THAN 45°.

	Sa	sk Power -	DISTRIBUTIO	ON STANDARDS		
[APPROVAL	DESIGN CHK	DRN.			
			CHKD.		Y DISTRIBUTION GAS CROSSING	
	DATE OF ISSUE: 20	011-04-01	DRAWING NO:	C-26-23.01	SHEET 1 of 3	REV. C

			I	BILL	OF MATERIAL
ITEM NO.	CODE NO.	A	QUANTITY B	С	DESCRIPTION
1	2 65 4X		4		SLEEVE – COMPRESSION AL
2	2 68 XX	1		3	SPLICE – PRIMARY CABLE
3	2 68 XX	1		3	SPLICE – COVER PRIMARY JACKET
4	2 68 XX		4		SPLICE – COVER SECONDARY INSULATION
5	5 12 XX	1		3	CRIMPIT CU
6	71 35 00	1		3	KIT – CABLE PREPARATION
					NOTE: 1. COLUMN A IS FOR A SINGLE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLE. 2. COLUMN B IS FOR A 4-WIRE SECONDARY CABLE. 3. COLUMN C IS FOR THREE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES.
ITEM NO.	CODE NO.	D	QUANTITY	F	DESCRIPTION
1	2 65 4X	8			SLEEVE – COMPRESSION AL
2	2 68 XX		2	6	SPLICE – PRIMARY CABLE
3	2 68 XX		2	6	SPLICE – COVER PRIMARY JACKET
4	2 68 XX	8			SPLICE – COVER SECONDARY INSULATION
5	5 12 XX		2	6	CRIMPIT CU
6	71 35 00		2	6	KIT – CABLE PREPARATION
					 NOTE: 4. COLUMN D IS FOR TWO RUNS OF 4-WIRE SECONDARY CABLES. 5. COLUMN E IS FOR TWO RUNS OF SINGLE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. 6. COLUMN F IS FOR TWO RUNS OF THREE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. (2 - 3Ø PRIMARY CIRCUITS)
		Sa	sk Powe	er -	DISTRIBUTION STANDARDS
	APPROVAL		DESIGN C		DRN. CHKD. SASKENERGY DISTRIBUTION NATURAL GAS CROSSING
DATE OF ISSUE: 2		011-04-01		DRAWING NO. C-26-23.01 SHEET 2 OF 3 REV. F	

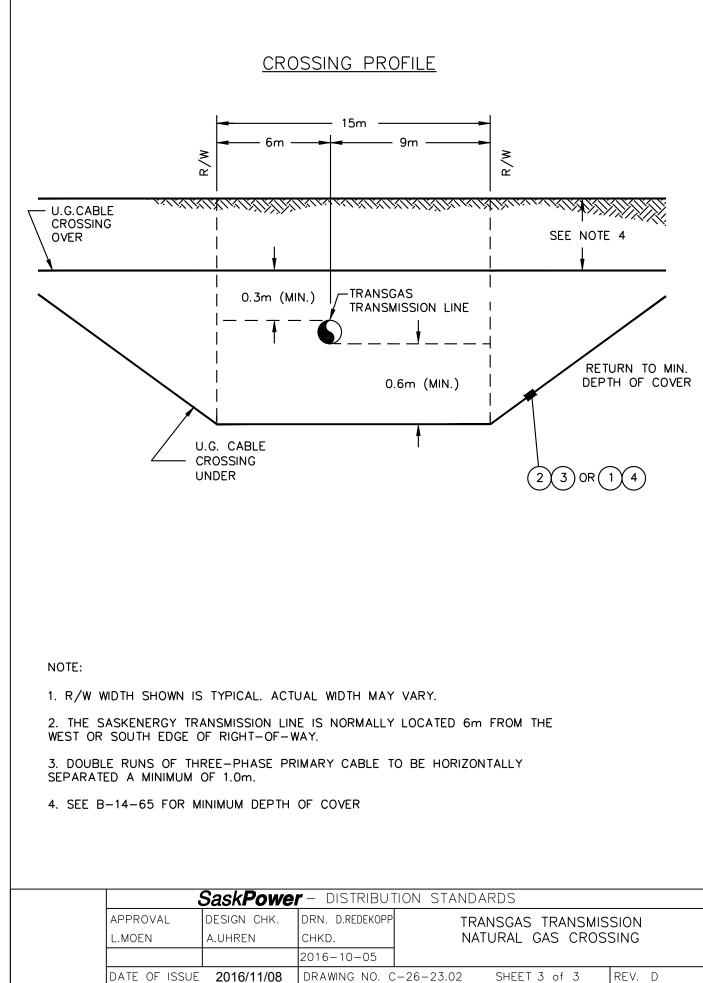
-SEE NOTE 1-R/W R/W SEE NOTE 3 ALTERNATE CROSSING U.G. CABLE 0.3m TRACER WIRE (MIN) SASKENERGY DISTRIBUTION PIPELINE RETURN TO MIN. 0.3m (MIN) PREFERRED CROSSING U.G. CABLE (3) OR(1)2 (4 1. R/W WIDTH MAY VARY. 2. DOUBLE RUNS OF THREE-PHASE PRIMARY CABLE TO BE HORIZONTALLY SEPARATED A MINIMUM OF 1.0m. 3. SEE B-14-65 FOR MINIMUM DEPTH OF COVER. SaskPower - DISTRIBUTION STANDARDS APPROVAL DESIGN CHK. DRN. D.REDEKOPP SASKENERGY DISTRIBUTION NATURAL GAS CROSSING A.UHREN L.MOEN CHKD. 2016-10-05 DRAWING NO. C-26-23.01 DATE OF ISSUE 2016/11/08 SHEET 3 of 3 REV. D

CROSSING SPECIFICATIONS

- 1. AN APPROVAL REQUEST ACCOMPANIED BY TWO (2) COPIES OF THIS DRAWING SHALL BE SUBMITTED TO THE PIPELINE ENGINEERING MANAGER, GAS ENGINEERING DIVISION, AT LEAST THREE WEEKS PRIOR TO CONSTRUCTION. A COPY OF THE APPROVED CROSSINGS APPLICATION WILL BE RETURNED WITHIN TWO WEEKS. THE DESIGNATED GAS PRODUCTION AND TRANSMISSION SUPERINTENDENT, SHOULD BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 2. PIPELINES TO BE CROSSED SHALL BE DAYLIGHTED AS PER THE PIPELINE COMPANY REQUIREMENTS.
- 3. WHERE THE CABLE CROSSES <u>BELOW</u> THE PIPELINE, THERE SHALL BE A MIMIMUM VERTICAL SEPARATION OF 0.6m (2 ft) BETWEEN THE CABLE AND THE PIPELINE. WHERE THE CABLE CROSSES <u>ABOVE</u> THE PIPELINE, A MIMIMUM VERTICAL SEPERATION OF 0.3m (1 ft) SHALL BE ACCEPTABLE, PROVIDED THAT MIMIMUM DEPTH OF COVER IS MAINTAINED OVER THE CABLE.
- 4. THE SAME CROSSING DEPTH OF THE UNDERGROUND CABLE SHALL BE MAINTAINED FOR THE FULL WIDTH OF THE EXISTING EASEMENT BEING CROSSED.
- 5. IF REQUIRED, PRIMARY CABLE SHALL BE SPLICED JUST OUTSIDE THE EDGE OF THE RIGHT-OF-WAY (5m FROM POINT OF CROSSING).
- 6. FOR BARE CONCENTRIC NEUTRAL CABLE, AS PER DRAWING C-26-23.04, ANODES SHALL BE INSTALLED ON BOTH SIDES OF THE CROSSING AT THE EDGE OF THE RIGHT-OF-WAY.
- 7. FOR BARE CONCENTRIC NEUTRAL CABLE, 1 1/2, INCH DIAMETER POLYETHYLENE PIPE SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE RIGHT-OF-WAY BEING CROSSED. PIPE SHALL BE SEALED AT BOTH ENDS WITH AN APPROVED SEALING AGENT AND SELF-AMALGAMATING POLYETHYLENE TAPE.
- 8. THE CABLE SHALL CROSS THE EXISTING PIPELINE AT AN ANGLE OF 90° WHEREVER POSSIBLE, BUT IN NO CASE AT AN ANGLE LESS THAN 45°.
- 9. INDICATE PERTINENT DIMENSIONS RELATING TO CABLE DEPTH AND PIPELINE DEPTH (IF KNOWN) ON CROSSING PROFILE.
- 10. WHEN A PIPELINE CROSSES EXISTING SASKPOWER CABLE, THE SAME STANDARDS APPLY AS WHEN A CABLE CROSSES A PIPELINE.
- 11. A CROSSING PERMIT IS REQUIRED FOR ALL NEW CONSTRUCTION AND SALVAGE WORK, EVEN IF JUST DRIVING OVER THE PIPELINE RIGHT-OF-WAY. A CROSSING PERMIT IS NOT REQUIRED IF USING AN EXISTING PUBLIC ROADWAY TO DRIVE OVER THE RIGHT-OF-WAY.

Sa	sk Power -	DISTRIBUTIO	ON STAND	ARDS	
APPROVAL	DESIGN CHK	DRN. ARU			
L. MOEN	A. UHREN	CHKD.		TRANSGAS TRANSMISSION NATURAL GAS CROSSING	
		2017-01-16		NATORAL GAS CROSSING	
DATE OF ISSUE:	2017/05/03	DRAWING NO:	C-26-23.02	SHEET 1 of 3	REV. D

BILL OF MATERIAL									
ITEM NO.	CODE	CODE QUANTITY NO. A B C			DESCRIPTION				
1	2 65 4X		4		SLEEVE -	COMPRESSION AL			
2	2 68 XX	1		3					
3	2 68 XX	1		3		COVER PRIMARY JACKET			
4	2 68 XX		4		SPLICE- C	OVER SECONDARY INSULATION			
5	5 12 XX	3		3	CRIMPIT C	U			
6	71 35 00	1		3	KIT – CAB	LE PREPARATION			
					JACKE 2. COLUI 3. COLUI	MN A IS FOR A SINGLE-PHASE PRIMARY ETED CONCENTRIC NEUTRAL CABLE. MN B IS FOR A 4-WIRE SECONDARY CABLE. MN C IS FOR THREE PRIMARY JACKETED ENTRIC NEUTRAL CABLES.			
ITEM NO.	CODE NO.	D	QUANTITY E	F		DESCRIPTION			
1	2 65 4X	8			SLEEVE -	COMPRESSION AL			
2	2 68 XX		2	6	SPLICE -	PRIMARY CABLE			
3	2 68 XX		2	6	SPLICE -	COVER PRIMARY JACKET			
4	2 68 XX	8			SPLICE- C	OVER SECONDARY INSULATION			
5	5 12 XX		6	6	CRIMPIT C	U			
6	71 35 00		2	6	KIT – CAB	LE PREPARATION			
					SECOI 5. COLUI PRIMA CABLE 6. COLUI PRIMA	MN D IS FOR TWO RUNS OF 4-WIRE NDARY CABLES. MN E IS FOR TWO RUNS OF SINGLE-PHASE RY JACKETED CONCENTRIC NEUTRAL ES. MN F IS FOR TWO RUNS OF THREE RY JACKETED CONCENTRIC NEUTRAL ES. (2 - 3Ø PRIMARY CIRCUITS)			
		Sas	sk Powe	er-	DISTRIBUTIO	ON STANDARDS			
			DESIGN C		DRN. CHKD.	TRANSGAS TRANSMISSION NATURAL GAS CROSSING			
DATE OF ISSUE: 2			011-04-01		DRAWING NO.	C-26-23.02 SHEET 2 OF 3 REV. G			



UNDERGROUND PIPELINE CROSSING SPECIFICATIONS REGULATED BY NEB

(FORMERLY KNOWN AS FOREIGN OR CROSSING SASKATCHEWAN BORDERS)

1. THIS DRAWING IS TO BE USED FOR INFORMATION PURPOSES ONLY, AND APPLIES TO PIPELINES REGULATED BY THE NATIONAL ENERGY BOARD (NEB).

A DETAILED PIPELINE CROSSING DRAWING MUST BE SUBMITTED TO AND APPROVAL OBTAINED FROM THE AUTHORITY OF THE PIPELINE WHICH ARE REGULATED BY THE NEB <u>PRIOR</u> TO ANY DIGGING OR CONSTRUCTION OCCURRING. REQUESTS FOR APPROVAL ARE TO BE ROUTED THROUGH THE SUPERVISOR, ENGINEERING RECORDS, AT LEAST <u>EIGHT WEEKS</u> PRIOR TO CONSTRUCTION.

PIPELINES REGULATED BY NEB ARE SHOWN ON GDS DWG. EFC84 (OBTAINABLE FROM DRAFT. SERVICES).

THE PIPELINE AUTHORITY SHALL BE NOTIFIED AT LEAST 72 HRS. PRIOR TO CONSTRUCTION.

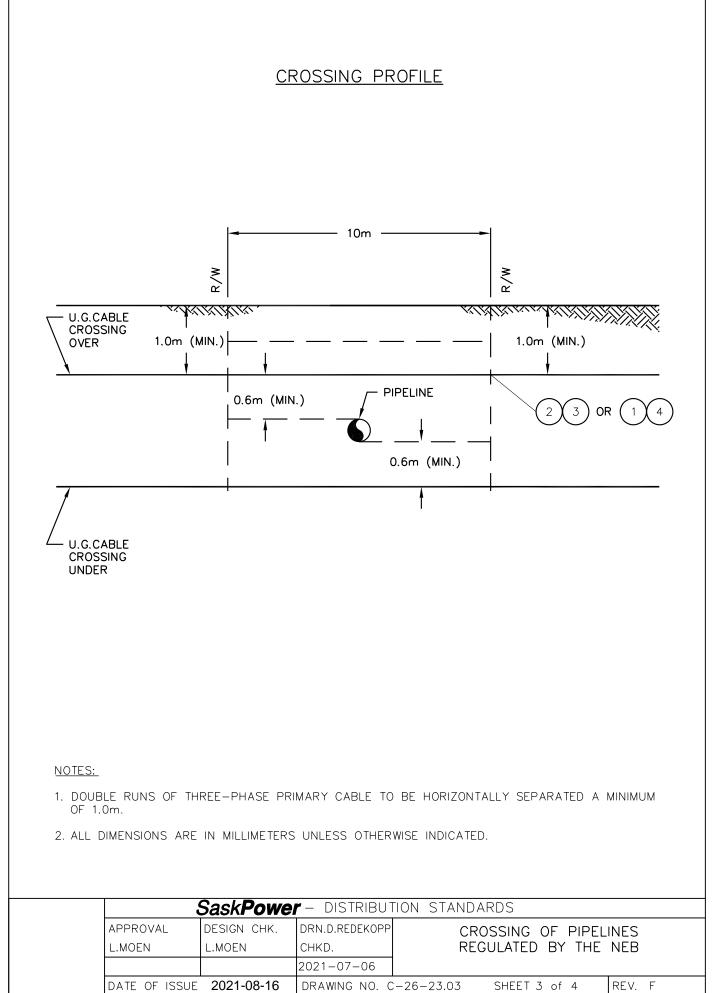
THE PIPELINE COMPANY WILL DO THE LOCATING AND WILL SUPERVISE HAND EXCAVATION AND THE ACTUAL CROSSING CONSTRUCTION.

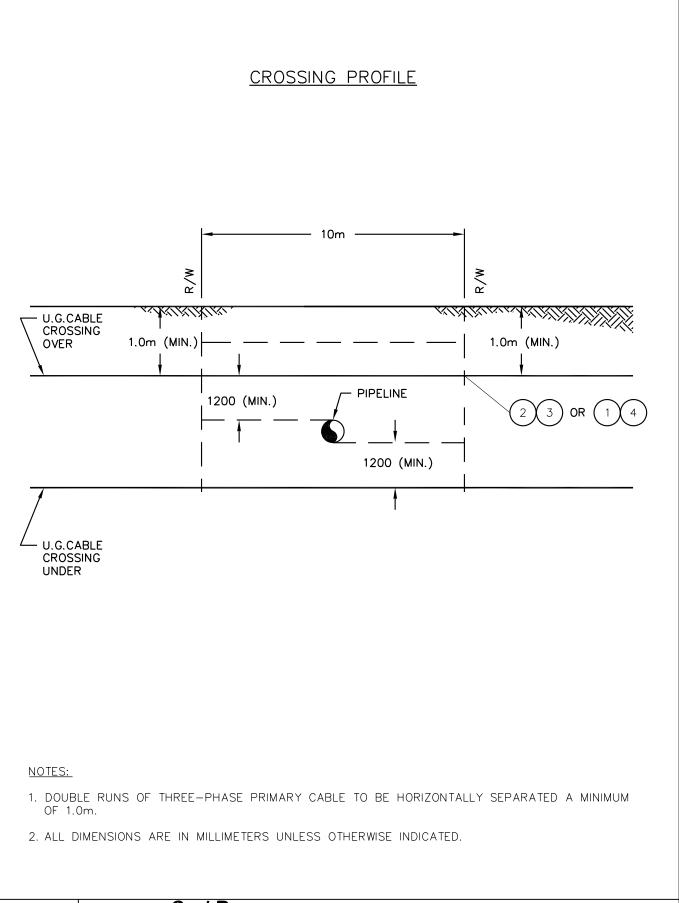
- 2. PIPELINES TO BE CROSSED SHALL BE DAYLIGHTED BY HAND BEFORE ANY DIGGING MACHINES ARE BROUGHT ON TO THE EXISTING PIPELINE RIGHT-OF-WAY.
- 3. VERTICAL SEPARATIONS BETWEEN THE CABLE AND THE PIPELINE WILL BE GOVERNED BY THE PIPELINE COMPANY'S REQUIREMENTS, BUT THE MINIMUM VERTICAL SEPARATION SHALL BE 0.6m (2 FT.)
- 4. THE SAME CROSSING DEPTH SHALL BE MAINTAINED FOR THE FULL WIDTH OF THE RIGHT-OF-WAY BEING CROSSED.
- 5. IF REQUIRED, CABLE SHALL BE SPLICED JUST OUTSIDE THE EDGE OF THE RIGHT-OF-WAY.
- 6. FOR BARE CONCENTRIC NEUTRAL PRIMARY CABLES, ANODES SHALL BE INSTALLED ON BOTH SIDES OF THE CROSSING OUTSIDE THE EDGE OF RIGHT-OF-WAY, AS PER DRAWING C-26-23-04.
- 7. FOR UNJACKETED CONCENTRIC NEUTRAL PRIMARY CABLES, 1 1/2 INCH DIAMETER POLYETHYLENE SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE RIGHT-OF-WAY BEING CROSSED. PIPE SHALL BE SEALED AT BOTH ENDS WITH PUTTY TAPE AND ELECTRICAL VINYL TAPE.
- 8. FOR CROSSING GREATER THAN 30m, USE JACKETED PRIMARY CABLE.
- 9. THE CABLE SHALL CROSS THE EXISTING PIPELINE AT AN ANGLE OF 90" WHEREVER POSSIBLE, BUT IN NO CASE AT AN ANGLE LESS THAN 45".
- 10. INDICATE NAME OF PIPELINE COMPANY AND PERTINENT DIMENSIONS RELATING TO CABLE AND PIPELINE DEPTHS (IF KNOWN) ON SKETCH.
- 11. FOR CROSSINGS OF <u>TC ENERGY CORPORATION</u> PIPELINES ONLY, PLASTIC CABLE MARKER TAPE WILL BE <u>SUPPLIED</u> AND <u>INSTALLED</u> AT 0.5m DEPTH BELOW SURFACE <u>BY TC ENERGY CORPORATION</u>.
- 12. FOR CROSSINGS OF <u>SOUTH SASKATCHEWAN PIPELINE CO.</u> PIPELINES, MARKING TAPE (SUPPLIED BY SASKPOWER) WILL BE INSTALLED 0.3m ABOVE THE PIPELINE OR CABLE, WHICH EVER IS HIGHER ACROSS THE FULL WIDTH OF THE PIPELINE RIGHT OF WAY.
- 13. WHEN A PIPELINE CROSSES EXISTING SASKPOWER CABLE, THE SAME STANDARDS APPLY AS WHEN A CABLE CROSSES A PIPELINE.

SCALE: N.T.S.

	SaskPower – distribution standards							
APPROVAL	DESIGN CHK.	DRN.D.REDEKOPP	CROSSING OF PIPELINES					
L.MOEN	L.MOEN	CHKD.	REGULATED BY THE NEB					
		2021-07-06						
DATE OF ISSUE	2021-08-16	DRAWING NO. C	2-26-23.03 SHEET 1 of 4 REV. D					

BILL OF MATERIAL										
ITEM										
NO.	NO.	А	B	С		DESCRIPTION				
1	2 65 4X		4		SLEEVE	- COMPRESSION - AL				
2	2 68 XX	1		3	SPLICE ·	- PRIMARY CABLE				
3	2 68 XX	1		3	SPLICE ·	- COVER – PRIMARY JACKET				
4	2 68 XX		4		SPLICE ·	- COVER – SECONDARY INSULATION				
5	5 12 XX	1		3	CRIMPIT	– CU				
6	71 35 00	1		3	CABLE F	PREPARATION KIT				
					JACI 2. COL 3. COL	JMN 'A' IS FOR A SINGLE-PHASE PRIMARY (ETED CONCENTRIC NEUTRAL CABLE. JMN 'B' IS FOR A 4-WIRE SECONDARY CABLE. JMN 'C' IS FOR THREE-PHASE PRIMARY (ETED CONCENTRIC NEUTRAL CABLES.				
ITEM NO.	CODE NO.		QUANTITY E	F		DESCRIPTION				
1	2 65 4X	8				– COMPRESSION – AL				
2	2 65 4X 2 68 XX	0 	2		-	- COMPRESSION - AL - PRIMARY CABLE				
	2 68 XX			6		- COVER – PRIMARY JACKET				
3		8	2	6		- COVER - FRIMARY JACKET				
4	2 68 XX	0								
5	5 12 XX		2	6	CRIMPIT					
6	71 35 00		2	6	NOTE: 4. COL SEC 5. COL PRIM CAB 6. COL	JMN 'F' IS FOR TWO RUNS OF THREE-PHASE ARY JACKETED CONCENTRIC NEUTRAL				
		.Sa	skPowe	r _		ON STANDARDS				
	APPROVA		DESIGN C	1	DISTRIBUTION STANDARDS					
	L MOEN		P PATEL		CHKD. PP	CROSSING OF PIPELINES				
					2021-04-06	REGULATED BY THE NEB				
	DATE OF I	SSUE:	2021-08-16	6	DRAWING NO	C-26-23.03 SHEET 2 OF 4 REV. H				

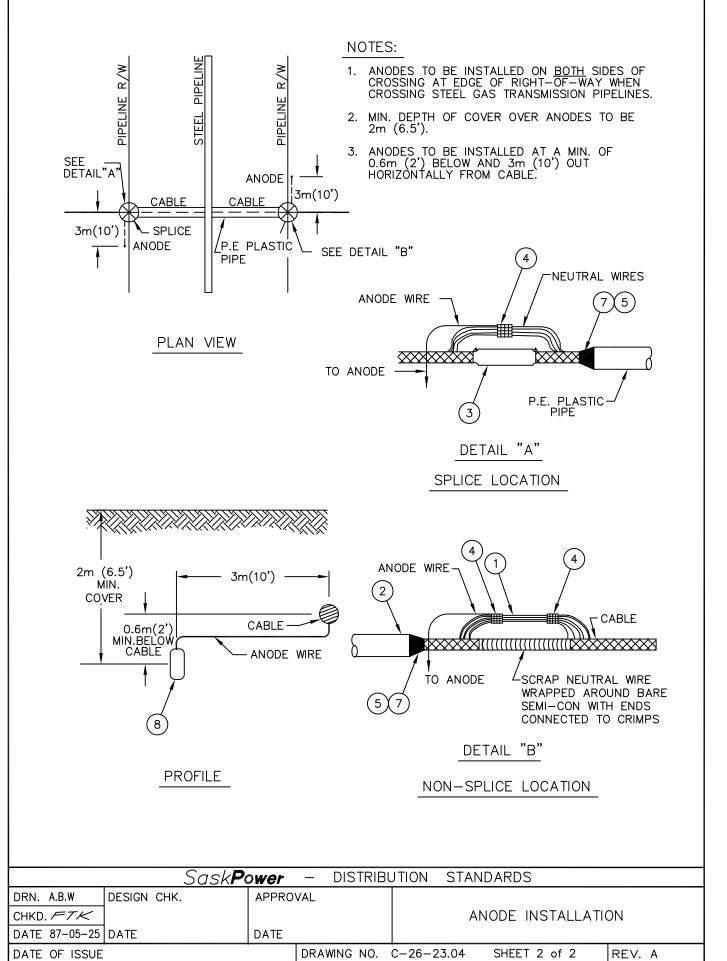




	Sask Powe l	r – Distribut	TION STANDARDS
APPROVAL	DESIGN CHK.	DRN.D.REDEKOPP	CROSSING OF PIPELINES
L.MOEN	L.MOEN	CHKD.	REGULATED BY
		2021-07-06	TC ENERGY CORPORATION
DATE OF ISSUE	2021-08-16	DRAWING NO. C	C-26-23.03 SHEET 4 of 4 REV

				BILL OF MATE	RIAL		
ITEM CODE QUANTITY NO. NO. A B					DE	SCRIPTION	
			_				
1	2-83-02	0.5	1	WIRE-CU #2/7 ST			
2	3-90-01	0	15	PIPE-1 1/2" BLAC			
2	2-94-22			GREATER THAN		CKETED (FOR CROSS	SINGS
3	2-68-XX	1	2	SPLICE			
4	5-12-01	3	4	CRIMPIT-CU			
5	7-72-33	0.2	0.2	TAPE ELECTRIC	AL VINYL-3	/4" x 30'	
6	71-35-00	1	2	KIT-CABLE PREI	PARATION		
7	71-42-03	0.2	0.2	TAPE PUTTY SE	AL-1/2" x 60		
8	12-120-009	2	2	ANODES-CATHO	DIC PROTE	CTION 4 kg	
				NOTE: 1. COLUMN A IS	-	NODES ONLY.	CROSSING
				2. COLUMN B IS		NODES AT PIPELINE	CRUSSING
				EXISTING CA	DLL.		
		Seel	Dowe				
DRN.	DESIGN C			P.T - DISTRIBUT ROVAL	ION STANL	JAKD2	
CHKD.						ANODE INSTALLAT	ON
DATE	DATE		DAT	E			
DATE OF ISSUE 96-07-26				DRAWING NO:	C-26-23.04	SHEET 1 OF 2	REV. 0

SPC/AUTODRAF1



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AUTO * DRAFT		UNDERGROUND PIPELINE CROSSING SPECIFICATIONS
5		
Ā		NOT REGULATED BY NEB (except saskenergy)
	1.	APPROVAL MUST BE OBTAINED FROM THE PIPELINE AUTHORITY PRIOR TO ANY DIGGING OR CONSTRUCTION OCCURRING. IF THE PIPELINE AUTHORITY REQUIRES SASKPOWER TO SIGN A LEGAL AGREEMENT, THEN SUCH AN AGREEMENT IS TO BE SENT TO SASKPOWER'S LEGAL DEPT. (H.O. REGINA).
		THE PIPELINE AUTHORITY SHALL BE NOTIFIED AT LEAST 72 HRS. PRIOR TO CONSTRUCTION.
		THE PIPELINE COMPANY WILL DO THE LOCATING AND WILL SUPERVISE HAND EXCAVATION AND THE ACTUAL CROSSING CONSTRUCTION.
	2.	PIPELINES TO BE CROSSED SHALL BE DAYLIGHTED BY HAND BEFORE ANY DIGGING MACHINES ARE BROUGHT ON TO THE EXISTING PIPELINE RIGHT-OF-WAY.
	3.	VERTICAL SEPARATIONS BETWEEN THE CABLE AND THE PIPELINE WILL BE GOVERNED BY THE PIPELINE COMPANY'S REQUIREMENTS, BUT THE MINIMUM VERTICAL SEPARATION SHALL BE 0.6m (2 FT.)
	4.	THE SAME CROSSING DEPTH SHALL BE MAINTAINED FOR THE FULL WIDTH OF THE RIGHT-OF-WAY BEING CROSSED.
	5.	IF REQUIRED, CABLE SHALL BE SPLICED JUST OUTSIDE THE EDGE OF THE RIGHT-OF-WAY.
	6.	FOR BARE CONCENTRIC NEUTRAL PRIMARY CABLES, ANODES SHALL BE INSTALLED ON BOTH SIDES OF THE CROSSING OUTSIDE THE EDGE OF RIGHT-OF-WAY, AS PER DRAWING C-26-23-04.
	7.	FOR UNJACKETED CONCENTRIC NEUTRAL PRIMARY CABLES, 1 1/2 INCH DIAMETER POLYETHYLENE PIPE SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE RIGHT—OF—WAY BEING CROSSED. PIPE SHALL BE SEALED AT BOTH ENDS WITH PUTTY TAPE AND ELECTRICAL VINYL TAPE.
	8.	FOR CROSSING GREATER THAN 30m, USE JACKETED PRIMARY CABLE.
	9.	THE CABLE SHALL CROSS THE EXISTING PIPELINE AT AN ANGLE OF 90° WHEREVER POSSIBLE, BUT IN NO CASE AT AN ANGLE LESS THAN 45°.
	10.	INDICATE NAME OF PIPELINE COMPANY AND PERTINENT DIMENSIONS RELATING TO CABLE AND PIPELINE DEPTHS (IF KNOWN) ON SKETCH.
	11.	WHEN A PIPELINE CROSSES EXISTING SASKPOWER CABLE, THE SAME STANDARDS APPLY AS WHEN A CABLE CROSSES A PIPELINE.
┝		Sask Power – Distribution standards
ŀ	DRN. R.	
ľ	CHKD.	CROSSING OF PIPELINES
ļ		-10-07 DATE DATE DATE
	DATE OF	ISSUE DRAWING NO. C-26-23.05 SHEET 1 OF 3 REV.0

BILL OF MATERIAL									
ITEM	CODE	QUANTITY			DESCRIPTION				
NO.	NO.	A	B	С					
1	2 65 4X		4						
2	2 68 XX	1		3					
3	2 68 XX	1		3	SPLICE – COVER PRIMARY JACKET				
4	2 68 XX		4		SPLICE- COVER SECONDARY INSULATION				
5	5 12 XX	1		3	CRIMPIT CU				
6	71 35 00	1		3	KIT – CABLE PREPARATION				
					 NOTE: 1. COLUMN A IS FOR A SINGLE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLE. 2. COLUMN B IS FOR A 4-WIRE SECONDARY CABLE. 3. COLUMN C IS FOR THREE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. 				
ITEM NO. 1	CODE NO. 2 65 4X	D8	QUANTITY E 	F	DESCRIPTION				
2	2 65 4A 2 68 XX	0	2	6	SPLICE - PRIMARY CABLE				
2 3	2 68 XX		2	6	SPLICE - COVER PRIMARY JACKET				
_	2 68 XX		2	-	SPLICE - COVER PRIMARY JACKET				
4	2 60 XX 5 12 XX	8							
5			2	6					
6	71 35 00		2	6	 KIT – CABLE PREPARATION NOTE: 4. COLUMN D IS FOR TWO RUNS OF 4-WIRE SECONDARY CABLES. 5. COLUMN E IS FOR TWO RUNS OF SINGLE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. 6. COLUMN F IS FOR TWO RUNS OF THREE-PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. 				
		Sa	sk Power		DISTRIBUTION STANDARDS				
	APPROVA		DESIGN CH		DRN.				
				_	CHKD. CROSSING OF PIPELINES				
					NOT REGULATED BY THE NEB				
	DATE OF ISSUE: 2		010/04/21	Γ	RAWING NO: C-26-23.05 SHEET. 2 OF 3 REV. C				

