UNDERGROUND CROSSINGS - RAILWAY								
DRAWING NUMBER	SHT.			DRAWING T	ITLE		DWG REV.	BOM REV.
C-26-24.01	1 – 3	RAILWAY (CROSSING				G/E	I I
C-26-24.03	1 – 3		OUBLE CROSSI	NG			E/D	G
					ON STANDARDS			
		ROVAL	DESIGN CHK	DRN. ARU CHKD.		INDEV		
	L. N	IOEN	A. UHREN	2017-05-03		INDEX		
	DAT	E OF ISSUE:	2017/05/03		C-26-24-INDEX	SHEET 1	of 1 F	REV. K

CROSSING SPECIFICATIONS

- 1. A DETAILED RAILWAY CROSSING DRAWING MUST BE SUBMITTED TO AND APPROVAL OBTAINED FROM THE APPROPRIATE RAILWAY AUTHORITY PRIOR TO ANY DIGGING OR CONSTRUCTION OCCURRING. REQUESTS FOR APPROVAL ARE TO BE ROUTED THROUGH THE APPROPRIATE SASKPOWER REGIONAL OFFICE AT LEAST SIX WEEKS PRIOR TO CONSTRUCTION. THE APPROPRIATE SASKPOWER REGION'S CONSTRUCTION/OPERATING SUPERVISOR SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
- 2. STEEL PIPE WITH A MINIMUM WALL THICKNESS OF 4.80mm (0.189") ARE TO BE INSTALLED BELOW EACH OTHER, 0.3 METERS APART, UNDER THE RAIL BED WITH THE TOP PIPE AT A DEPTH OF AT LEAST 1.37 METERS BELOW THE RAIL BED AND 1.0 METER BELOW THE LOWEST POINT OF EITHER SIDE OF THE RIGHT-OF-WAY. THE PIPES SHALL EXTEND ACROSS THE ENTIRE RIGHT-OF-WAY.
- 3. IN ORDER TO PREVENT DAMAGE TO CABLE DURING PULLING OR GROUND SETTLING, HDPE OR PVC DUCT IS REQUIRED. THE DUCT IS PLACED INSIDE OF AND PROJECTS 150mm (6") BEYOND THE ENDS OF THE STEEL PIPE. THE DUCT SHALL BE SEALED, TO THE CABLE, AT BOTH ENDS WITH PUTTY AND ELECTRICAL VINYL TAPE.
- 4. ON THE CROSSING DRAWING, FROM THE CROSSING POINT, GIVE A TIE DIMENSION ALONG THE TRACK TO ONE OF THE FOLLOWING: CENTER OF ROAD ALLOWANCE, 1/4 SECTION LINE, TOWN STREET OR BLOCK, OR RAILWAY SWITCH.
- 5. THE CABLE SHALL CROSS THE RAILWAY AT AN ANGLE OF 90° WHEREVER POSSIBLE. THE CROSSING IS TO BE THROUGH THE SHORTEST PART OF THE RIGHT-OF-WAY. PARALLELING IN THE RIGHT-OF-WAY SHALL BE AVOIDED.
- 6. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
- 7. INDICATE PERTINENT DIMENSIONS ON CROSSING PROFILE.
- 8. SECONDARY CABLE INSIDE OF RIGHT-OF-WAY BUT NOT CROSSING RAIL LINES REQUIRES 2"x6" NON-CREOSOTE PLANK PROTECTION 150mm (6") ABOVE THE CABLE.

Sa	Sask Power - DISTRIBUTION STANDARDS								
APPROVAL	DESIGN CHK	DRN. ARU							
L. MOEN	A. UHREN	CHKD.		RAILWAY CROSSING					
		2017-03-16							
DATE OF ISSUE:	2017/05/03	DRAWING NO:	C-26-24.01	SHEET 1 of 3	REV. G				

	BILL OF MATERIAL										
ITEM NO.	(CODE NO.	А	QUANTITY B	/ C	;		DESCRIPTION			
1	2	65 4X		4			SLEEVE -	COMPRESSION AL			
2	2	68 XX	1		3	,	SPLICE - I	PRIMARY CABLE			
3	2	68 XX	1		3	,	SPLICE - 0	COVER PRIMARY JACKET			
4	2	68 XX		4			SPLICE - 0	COVER SECONDARY INSULATION			
5		12 XX	1		3	,	CRIMPIT -				
6	70	31 45	1	1	1		DUXSEAL				
7		45 05		5	5	;	PIPE, PVC	5" (20 FT LENGTHS) – SEE NOTE 4			
8	70	85 02	100'				CONDUIT,	,			
9	71	35 00	1		3	,		LE PREPARATION			
10	01	433 722	30 m				STEEL PIP	E – 3 ½" (MIN. W.T. 0.189")			
11		433 728		30 m	30	m		E – 8" (MIN. W.T. 0.189") – SEE NOTE 4			
			Sa	sk Pow	er -	DI	JACKE 2. COLUI MATER STEEL HDPE CAN B 3. COLUI CONCI 4. IF CAB INSIDE AN AL	MN A IS FOR A SINGLE-PHASE PRIMARY ITED CONCENTRIC NEUTRAL CABLE. MN B IS FOR A 4-WIRE SECONDARY CABLE. RIAL DEFAULTS TO 5" PVC PIPE WITH 8" PIPE. IF CABLE SIZE PERMITS, 30m OF 2" CONDUIT WITH 30m OF 3 ½" STEEL PIPE E USED INSTEAD. MN C IS FOR THREE PRIMARY JACKETED ENTRIC NEUTRAL CABLES. ILE SIZE PERMITS, 4" PVC DUCT (704504) 6" STEEL PIPE (1433726) MAY BE USED AS IERNATIVE.			
						_		ON STANDARDS			
		APPROVA	L	DESIGN (N. ARU	DAIL WAY OR COUNTY			
		L. MOEN					KD. 17-03-16	RAILWAY CROSSING			

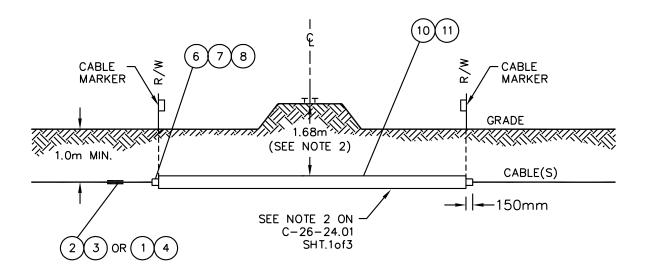
DATE OF ISSUE:

2017/05/03

DRAWING NO. **C-26-24.01**

SHEET 2 OF 3 REV. I

CROSSING PROFILE



- FOR CABLE MARKER SEE B-30-15
 MAY BE REDUCED TO 1.37m FOR SIDINGS AND INDUSTRIAL TRACKS.

SCALE: N.T.S.

	SaskPower - distribution standards									
APPROVAL	DESIGN CHK.	DRN. DC								
M. ERETH	L. BAILEY	CHKD.		RAILWAY CROSS	ING					
		2013-02-11								
DATE OF ISSI	E: 2013/08/19	DRAWING NO. C	26-24.01	SHEET 3 of 3	REV. E					

CROSSING SPECIFICATIONS

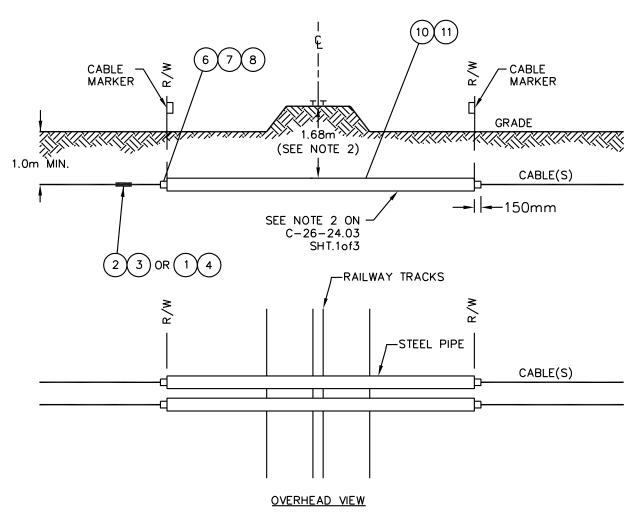
- 1. A DETAILED RAILWAY CROSSING DRAWING MUST BE SUBMITTED TO AND APPROVAL OBTAINED FROM THE APPROPRIATE RAILWAY AUTHORITY PRIOR TO ANY DIGGING OR CONSTRUCTION OCCURRING. REQUESTS FOR APPROVAL ARE TO BE ROUTED THROUGH THE APPROPRIATE SASKPOWER REGIONAL OFFICE AT LEAST SIX WEEKS PRIOR TO CONSTRUCTION. THE APPROPRIATE SASKPOWER REGION'S CONSTRUCTION/OPERATING SUPERVISOR SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
- 2. TWO STEEL PIPES WITH A MINIMUM WALL THICKNESS OF 4.80mm (0.189") ARE TO BE INSTALLED BESIDE EACH OTHER, 0.3 METERS APART, UNDER THE RAIL BED WITH THE TOP PIPE AT A DEPTH OF AT LEAST 1.37 METERS BELOW THE RAIL BED AND 1.0 METER BELOW THE LOWEST POINT OF EITHER SIDE OF THE RIGHT-OF-WAY. THE PIPES SHALL EXTEND ACROSS THE ENTIRE RIGHT-OF-WAY.
- 3. IN ORDER TO PREVENT DAMAGE TO CABLE DURING PULLING OR GROUND SETTLING, HDPE OR PVC DUCT IS REQUIRED. THE DUCT IS PLACED INSIDE OF AND PROJECTS 150mm (6") BEYOND THE ENDS OF THE STEEL PIPE. THE DUCT SHALL BE SEALED, TO THE CABLE, AT BOTH ENDS WITH PUTTY AND ELECTRICAL VINYL TAPE.
- 4. ON THE CROSSING DRAWING, FROM THE CROSSING POINT, GIVE A TIE DIMENSION ALONG THE TRACK TO ONE OF THE FOLLOWING: CENTER OF ROAD ALLOWANCE, 1/4 SECTION LINE, TOWN STREET OR BLOCK, OR RAILWAY SWITCH.
- 5. THE CABLE SHALL CROSS THE RAILWAY AT AN ANGLE OF 90° WHEREVER POSSIBLE. THE CROSSING IS TO BE THROUGH THE SHORTEST PART OF THE RIGHT-OF-WAY. PARALLELING IN THE RIGHT-OF-WAY SHALL BE AVOIDED.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
- 7. INDICATE PERTINENT DIMENSIONS ON CROSSING PROFILE.
- 8. SECONDARY CABLE INSIDE OF RIGHT-OF-WAY BUT NOT CROSSING RAIL LINES REQUIRES 2"x6" NON-CREOSOTE PLANK PROTECTION 150mm (6") ABOVE THE CABLE.

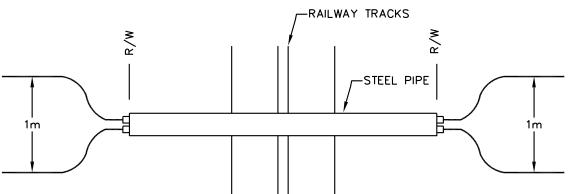
Sa	Sask Power - DISTRIBUTION STANDARDS								
APPROVAL	DESIGN CHK	DRN. ARU							
L. MOEN	A. UHREN	CHKD.	RAILWAY DOUBLE CROSSING						
		2017-03-16							
DATE OF ISSUE:	2017/05/03	DRAWING NO:	C-26-24.03 SHEET 1 of 3 REV. E						

	BILL OF MATERIAL										
ITEM NO.	CODE NO.	А	QUANTITY B	/ C	DESCRIPTION						
1	2 65 4X	8			SLEEVE - COMPRESSION AL						
2	2 68 XX		2	6	SPLICE - PRIMARY CABLE						
3	2 68 XX	8			SPLICE – COVER SECONDARY INSULATION						
4	2 68 XX		2	6	SPLICE – COVER PRIMARY JACKET						
5	5 12 XX		2	6	CRIMPIT – CU						
6	70 31 45	2	2	2	DUXSEAL						
7	70 45 05	10		10	PIPE, PVC 5" (20 FT LENGTHS) – SEE NOTE 4						
8	70 85 02		200'		CONDUIT, HDPE 2"						
9	71 35 00		2	6	KIT – CABLE PREPARATION						
10	01 433 722		60m		STEEL PIPE – 3 ½" (MIN. W.T. 0.189")						
11	01 433 728	60m		60m	STEEL PIPE – 8" (MIN. W.T. 0.189") – SEE NOTE 4						
		Sa	nsk Pow	er - DI	NOTE: 1. COLUMN A IS FOR TWO RUNS OF 4-WIRE SECONDARY CABLES. MATERIAL DEFAULTS TO 5" PVC PIPE WITH 8" STEEL PIPE. IF CABLE SIZE PERMITS, 2 x 30m RUNS OF 2" HDPE CONDUIT WITH 30m OF 6" STEEL PIPE (1433726) CAN BE USED INSTEAD, BY RUNNING BOTH CONDUITS IN ONE CASING PIPE. REFER TO SHEET 3 FOR INSTALLATION DETAILS. 2. COLUMN B IS FOR TWO RUNS OF SINGLE PHASE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. 3. COLUMN C IS FOR TWO RUNS OF THREE PRIMARY JACKETED CONCENTRIC NEUTRAL CABLES. (2 - 3\overline{O} PRIMARY CIRCUITS) 4. IF CABLE SIZE PERMITS, 4" PVC DUCT (704504) INSIDE 6" STEEL PIPE (1433726) MAY BE USED AS AN ALTERNATIVE.						
		Sa	sk Pow	er - DI	ISTRIBUTION STANDARDS						
	APPROVA		DESIGN (RN. ARU						

Sa	isk rowei -	DISTRIBUTION	JN STANDARDS		
APPROVAL	DESIGN CHK	DRN. ARU			
L. MOEN	A. UHREN	CHKD.	RAILWAY	DOUBLE CROSSII	NG
		2017-03-16			
DATE OF ISSUE:	2017/05/03	DRAWING NO.	C-26-24.03	SHEET 2 OF 3	REV. G

CROSSING PROFILE





TWO CONDUITS IN ONE CASING PIPE

NOTE:

- 1. FOR CABLE MARKER SEE B-30-15
- 2. MAY BE REDUCED TO 1.37m FOR SIDINGS AND INDUSTRIAL TRACKS.

SCALE: N.T.S.

	SaskPower - distribution standards										
	APPROVAL DESIGN CHK. DRN. DC										
	M. ERETH	L. BAILEY	CHKD.	RAILWAY DOUBLE CROSSING							
2013-02-11											
	DATE OF ISSUE	: 2013/08/19	DRAWING NO. C	-26-24.03	SHEET 3 of 3	REV. D					