CODES & SYMBOLS									
DRAWING NUMBER	SHT.		DRAWING TI	TLE		DWG REV.	BOM REV.		
B-02-01	1	CODE FOR LINE IDENTIFICA	TION			<u> </u>	- KEV.		
B-02-01	2	CODE FOR LINE IDENTIFICA	TION			0	-		
B-02-01	3	CODE FOR LINE IDENTIFICA	TION			0	-		
B-02-01	4	CODE FOR LINE IDENTIFICA	TION			0	-		
B-02-02	1	SYMBOLS				В	-		
B-02-02	2	SYMBOLS				С	-		
	<u> </u>	Sask Power		ON STANDARDS					
	AP	PROVAL DESIGN CHK	DRN. ARU						
		MOEN A. UHREN	CHKD.		INDEX				
			2016-10-20						
	DA	TE OF ISSUE: 2016/11/08	DRAWING NO:	B-02-INDEX	SHEET 1 d	of 1 R	EV. C		

UNDERGROUND PRIMARY CABLE IDENTIFICATION										
UNDER										
-	S ARE EXPLAINED BE	-								
1 2	3 4	5	6 7	- 8	9 10	11 - 12				
	LOCK NO. 1 IDICATES THE NUMBER OF PHASES IN THE GROUP. OMITTED IF NUMBER OF PHASES									
INDICA	BLOCK NO. 2 INDICATES THE NUMBER OF CONDUCTORS IN EACH CABLE. OMITTED IF NUMBER OF CONDUCTORS PER CABLE IS '1'.									
	<u>K NO. 3</u> TES THE PHASE CONI	DUCTO	R SIZE.							
	<u>K NO. 4</u> TES THE PHASE CONI	DUCTO	R MATERIAL.							
	<u>K NO. 5</u> TES THE INSULATION	MATER	RIAL.							
INDICA	K NO. 6 TES IF A CONCENTRIC . 'c'. OMITTED IF NOT			IT ON THE P	HASE CABLE, SHC	WN				
	BLOCK NO. 7 INDICATES THE TYPE OF PHASE CABLE JACKET. OMITTED IF NOT PRESENT.									
INDICA	BLOCK NO. 8 INDICATES THE NUMBER OF NEUTRAL CABLES IN THE CIRCUIT, FOLLOWED BY AN 'x'. OMITTED IF NOT PRESENT.									
INDICA	<u>K NO. 9</u> TES THE SIZE OF THE ICTOR IS NOT PRESEN			DR. OMITTE	D IF NEUTRAL					
INDICA	BLOCK NO. 10 INDICATES THE NEUTRAL CONDUCTOR MATERIAL. OMITTED IF NEUTRAL CONDUCTOR NOT PRESENT.									
BLOCK NO. 11 INDICATES THE NEUTRAL CONDUCTOR INSULATION TYPE. OMITTED IF NEUTRAL CONDUCTOR NOT PRESENT.										
BLOCK NO. 12 INDICATES THE TYPE OF NEUTRAL CONDUCTOR JACKET. OMITTED IN NEUTRAL CONDUCTOR NOT PRESENT.										
Sask Power - DISTRIBUTION STANDARDS										
DRN.	DESIGN CHK.	APPRO	DVAL		CODE FOR					
CHKD.		D			LINE IDENTIFICAT	ION				
DATE DATE OF ISSUE	DATE 2007/04/16	DATE	DRAWING NO:	B-02-01	SHEET 1 OF 4	REV. 0				
DATE OF 19905	2007/04/10		DRAWING NU:	ו יי-ער-ט	SHEET TUF 4	REV. U				

APPLICATION OF LINE IDENTIFICATION CODE FOR UNDERGROUND PRIMARY CABLES

BLOCK NUMBER	2	3	4	5	6	7	13
DESCRIPTION	NUMBER OF CONDUCTOR PER CABLE	PHASE CONDUCTOR SIZE	PHASE CONDUCTOR MATERIAL	PHASE CABLE INSULATION	PHASE CABLE CONCENTRIC NEUTRAL INDICATION	PHASE CABLE JACKET TYPE	OPERATING VOLTAGE
EXAMPLE	3C	500	Cu	XLPE	С	J	25
EXPLANATION OF EXAMPLE	3 CONDUCTOR PER CABLE	500 MCM FOR PHASE CABLE	PHASE CONDUCTOR MATERIAL IS COPPER	PHASE CABLE INSULATION TYPE XLPE	PHASE CABLE HAS CONCENTRIC NEUTRAL	PHASE CABLE JACKET PRESENT	OPERATING VOLTAGE IS 25 kV LINE TO LINE

3C500CuXLPEcJ - 25

OTHER EXAMPLES:

- #1AIXLPEcJ 25 = SINGLE PHASE, #1 ALUMINUM CONDUCTOR, XLPE INSULATION, JACKETED CABLE WITH CONCENTRIC NEUTRAL, OPERATING VOLTAGE OF 25 kV LINE TO LINE.
- 3x#1CuPILC 1/0CuTWU 25 = THREE #1 COPPER PHASE CONDUCTORS, PILC NSULATION, NO JACKET, NO CONCENTRIC NEUTRAL. 1/0 COPPER NEUTRAL CONDUCTOR, TWU INSULATION, NO JACKET. OPERATING VOLTAGE OF 25 kV LINE TO LINE.

NOTES:

- 1. IF CIRCUIT IS ABANDONED, CIRCUIT DESCRIPTOR IS PREFIXED WITH 'ABND'.
- 2. IF CIRCUIT IS DIRECT BURIED WITH SPARE DUCT, CIRCUIT DESCRIPTOR IS APPENDED WITH 'DR'.

Sask Power - DISTRIBUTION STANDARDS							
DRN.	DESIGN CHK.	APPRC	VAL				
CHKD.					CODE FOR LINE IDENTIFICATIO	N	
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UNDERGROUND SECONDARY CABLE IDENTIFICATION

UNDERGROUND SECONDARY CABLES ARE DESCRIBED USING 10 BLOCKS. THESE									
BLOCKS ARE EXPLAINED BELOW.									
1 - 2 3 4 + 5 6 - 7 8 9 10									
<u>BLOCK NO. 1</u> INDICATES IF THE CIRCUIT TYPE IS STREET LIGHT, NEUTRAL, OR SECONDARY. OMITTED FOR CIRCUIT TYPE SECONDARY									
BLOCK NO. 2 INDICATES NUMBER OF RUNS OF CONDUCTORS PER PHASE, FOLLOWED BY AN 'x'. OMITTED IF NUMBER OF RUNS IS '1'.									
BLOCK NO. 3 INDICATES THE NUMBER OF PHASES IN GROUP. OMITTED FOR SINGLE PHASE CIRCUITS.									
BLOCK NO. 4 INDICATES THE PHASE CONDUCTOR SIZE.									
BLOCK NO. 5 INDICATES THE NUMBER OF NEUTRAL CONDUCTORS, FOLLOWED BY AN 'x'. OMITTED IF NUMBER OF NEUTRAL CONDUCTORS IS '1'.									
BLOCK NO. 6 INDICATES THE NEUTRAL CONDUCTOR SIZE. OMITTED IF NEUTRAL CONDUCTOR NOT PRESENT.									
BLOCK NO. 7 INDICATES THE PHASE AND NEUTRAL CONDUCTOR MATERIAL.									
BLOCK NO. 8 INDICATES THE PHASE AND NEUTRAL INSULATION MATERIAL.									
BLOCK NO. 9 INDICATES IF A CONCENTRIC NEUTRAL IS PRESENT, SHOWN WITH A 'c'.									
BLOCK NO. 10 INDICATES THE PRESENCE OF A JACKET ON THE CABLE, SHOWN WITH A 'J'.									
Sask Power - DISTRIBUTION STANDARDS									
RN. DESIGN CHK. APPROVAL CODE FOR LINE IDENTIFICATION									
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APPLICATION OF LINE IDENTIFICATION CODE FOR UNDERGROUND SECONDARY CABLES

BLOCK NUMBER	2	3	4	6	7	8
DESCRIPTION	CONDUCTORS PER PHASE	NUMBER OF PHASES	PHASE CONDUCTOR SIZE	NEUTRAL CONDUCTOR SIZE	PHASE AND NEUTRAL CONDUCTOR MATERIAL	CABLE INSULATION
EXAMPLE	2x	3x	4/0	2/0	AI	PE
EXPLANATION OF EXAMPLE	TWO SECONDARY CONDUCTORS PER PHASE	THREE PHASE RUN	PHASE CONDUCTOR IS 4/0	NEUTRAL CONDUCTOR IS A SINGLE 2/0	PHASE AND NEUTRAL CONDUCTOR MATERIAL IS ALUMINUM	CABLE INSULATION IS TYPE PE

2x(3x4/0 + 2/0) - AIPE

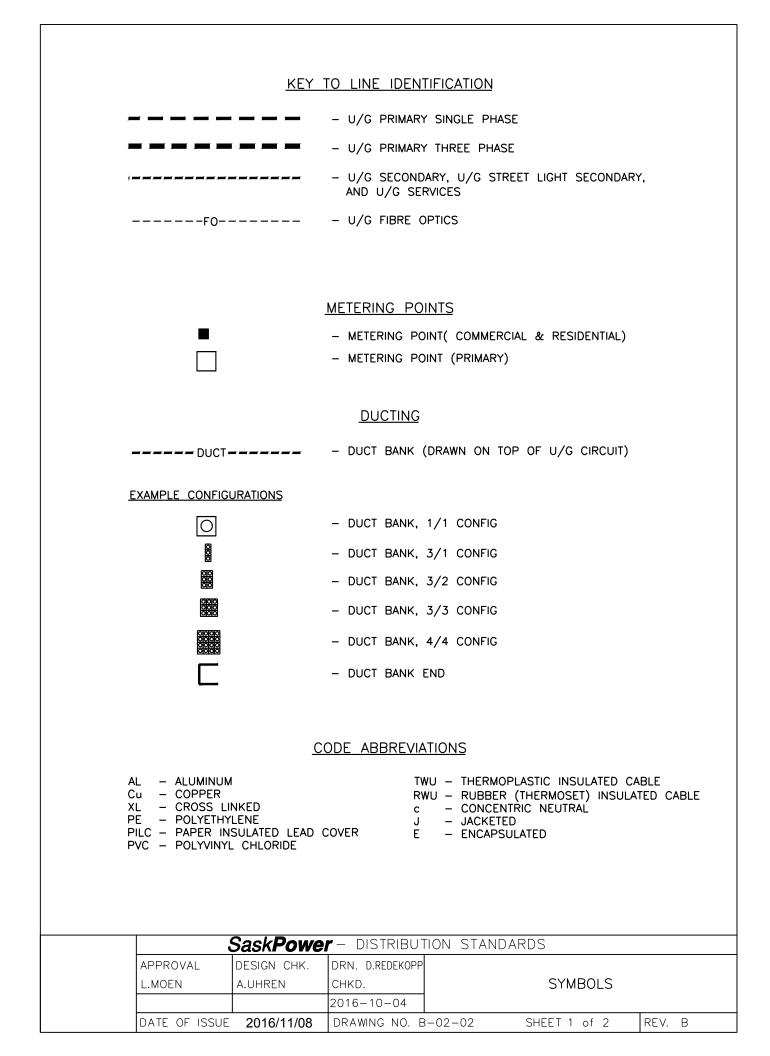
OTHER EXAMPLES:

ST - #4 + #4 - AIPE	 STREET LIGHT SECONDARY WITH #4 AI FOR PHASE AND NEUTRAL CABLE. CABLE INSULATION IS TYPE PE.
2x500 + 500 - AIPEJ	= SECONDARY WITH TWO ALUMINUM 500 MCM PHASE CABLES AND A 500 MCM ALUMINUM NEUTRAL. CABLE INSULATION IS TYPE PE.
N – 1/0 - CuTWU	 NEUTRAL CONSISTING OF 1/0 COPPER. CABLE INSULATION IS TYPE TWU.

NOTES:

- 1. IF CIRCUIT IS ABANDONED, CIRCUIT DESCRIPTOR IS PREFIXED WITH 'ABND'.
- 2. IF CIRCUIT IS DIRECT BURIED WITH SPARE DUCT, CIRCUIT DESCRIPTOR IS APPENDED WITH 'DR'.

Sask Power - DISTRIBUTION STANDARDS							
DRN.	DESIGN CHK.	APPRC	VAL				
CHKD.					CODE FOR LINE IDENTIFICATIO	N	
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<u>APPARATUS</u>

			<u>APPARATUS</u>								
		– 3ø PADMOU	NTED SWITCH CUB	ICLE							
		– 1ø PADMOUN	TED TRANSFORME	R; BASE OF DARK TRIANGLE INDICATES DOOR							
		- 30 PADMOUNT TRANSFORMER; BASE OF WHITE TRIANGLE INDICATES DOOR									
		- 10 SWITCH CUBICLE; BASE OF LARGE TRIANGLE INDICATES DOOR									
		- TRANSFORMER WITH ELBOWS									
	N/O	- TRANSFORME	ER WITH ELBOWS ((ONE N/O)							
			NTED TRANSFORME DICATES DOOR	R WITH SWITCH; BASE OF							
		- TRANSFORME	ER BANK – GROUI	ND MOUNT							
	200	– REACTOR; K	VAR RATING SHOW	N INSIDE SYMBOL							
		Ν	AISCELLANEOUS								
	€ _{M#567}										
_	_\\$Z	- SPLICE (SHO	OWN ON U/G PRIN	IARY)							
	¢	- FAULT INDIC	ATOR								
_	→~ -	- CONDUCTOR	CHANGE (SHOWN	ON U/G PRIMARY)							
	Ĺ	– HANDHOLE									
		- SPLITTER									
	→ 	- ON PRIMARY ON SECONDA		ABELED AS N/O OR N/C. TATE IS N/O, THEN NOT LABELED.							
●⊣		– U/G TAKEOF	F								
	€	– CABLE MARK	ER								
	•	– OVERSIZED PEDESTAL									
	PEDESTAL, DARK PORTION INDICATES NORMAL DIRECTION OF FEED										
	- COMBINATION STREET LIGHT PEDESTAL; DARK PORTION INDICATES NORMAL DIRECTION OF FEED										
		Sask Powe	r – distributi	ON STANDARDS							
	APPROVAL	DESIGN CHK.	DRN. D.REDEKOPP								
	L.MOEN	A. UHREN	CHKD.	SYMBOLS							
			2016-10-04								

DRAWING NO. B-02-02

REV. C

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