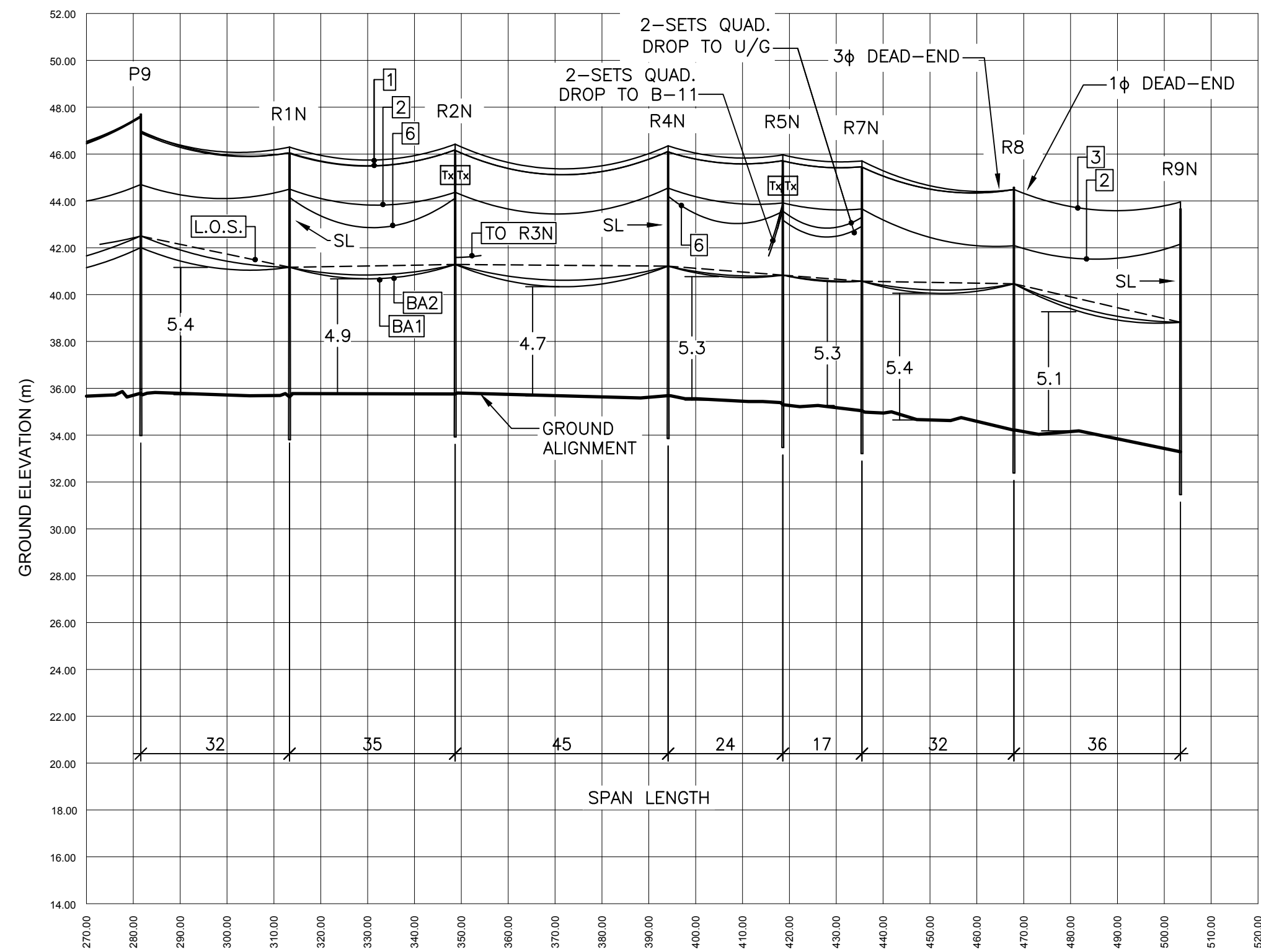
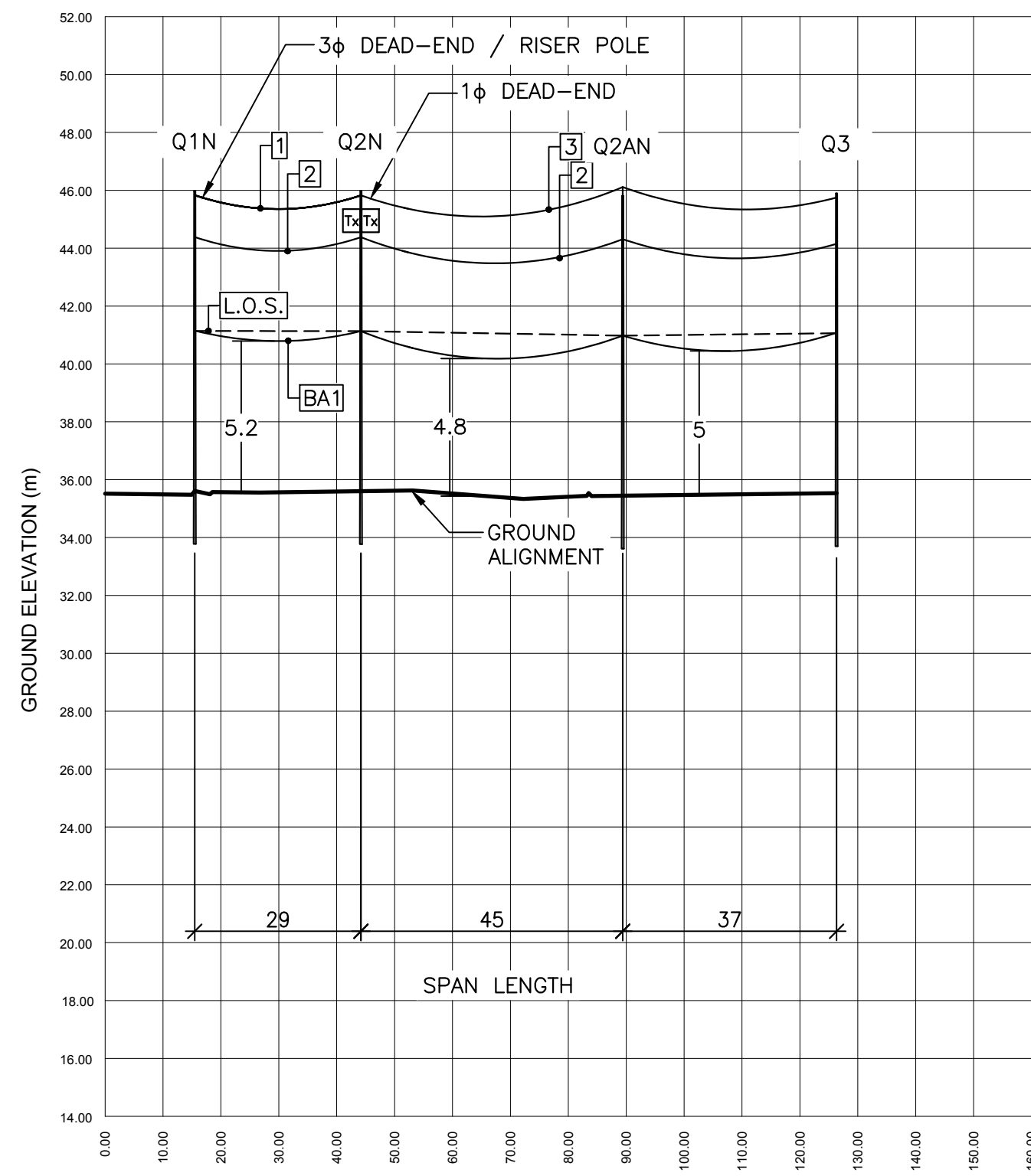


1 PROFILE VIEW – POLE P1N TO P9
E3 SCALE = 1:1000 HORIZONTAL
1:200 VERTICAL



2 PROFILE VIEW – POLE P9 TO R9N
E3 SCALE = 1:1000 HORIZONTAL
1:200 VERTICAL



3 PROFILE VIEW – POLE Q1N TO Q3
E3 SCALE = 1:1000 HORIZONTAL
1:200 VERTICAL

POLE INFORMATION TABLE									
POLE	LENGTH (m)	CLASS	FRAMING	EASTING	NORTHING	EMBED. (m)	TRANS. LOAD FACTOR	VERT. LOAD FACTOR	NOTES
P1N	12.2	3	3Φ LIGHT TANGENT POLE	2491847.11	7435681.97	1.82	4.6	10.6	POLE REPLACEMENT
P1A	9.1	4	STUB POLE	2491841.69	7435673.77	1.51	24.1	51.8	FOR REMOVAL
P2N	12.2	3	3Φ TANGENT POLE	2491809.36	7435704.42	1.82	3.6	87.0	POLE REPLACEMENT
P2A	9.1	4	STUB POLE	2491789.50	7435670.82	1.51	-	-	FOR REMOVAL
P3N	12.2	3	3Φ TANGENT POLE / SL	2491764.85	7435730.78	1.82	3.1	66.7	POLE REPLACEMENT
P4N	12.2	3	3Φ TANGENT POLE / TX BANK	2491719.00	7435758.05	1.82	7.6	16.3	POLE REPLACEMENT
P4AN	9.1	4	SERVICE POLE	2491713.65	7435748.86	1.58	7.9	39.7	POLE REPLACEMENT
P4B	9.1	4	SERVICE POLE	2491700.50	7435744.80	1.58	-	-	FOR REMOVAL
P4C	9.1	4	SERVICE POLE	2491682.18	7435732.74	1.51	-	-	FOR REMOVAL
P4DN	9.1	4	SERVICE POLE	2491682.18	7435732.75	1.51	30.3	42.9	POLE REPLACEMENT
P5N	12.2	3	3Φ TANGENT POLE / SL	2491692.75	7435773.77	1.82	3.6	28.1	POLE REPLACEMENT
P6N	12.2	3	3Φ TANGENT POLE / SL	2491660.16	7435792.74	1.82	4.8	38.3	POLE REPLACEMENT
P6A	9.1	4	SERVICE POLE	-	-	1.51	-	-	FOR REMOVAL
P7N	12.2	3	3Φ TANGENT POLE / UNDERGROUND PRIMARY	2491644.75	7435802.04	1.82	4.8	31.9	POLE REPLACEMENT
P8	12.2	3	3Φ TANGENT POLE	2491640.89	7435804.58	2.09	-	-	FOR REMOVAL
P9	13.7	4	3Φ BUCK-ARM CORNER / UNDERGROUND PRIMARY	2491614.21	7435820.83	1.82	2.5	3.5	EXISTING POLE TO REMAIN
P10	9.1	4	COMMUNICATION POLE/SL	2491585.77	7435850.45	2.49	13.2	35.6	EXISTING POLE TO REMAIN
R1N	12.2	3	3Φ ANGLE POLE / SL	2491586.38	7435804.67	1.82	7.7	10.5	POLE REPLACEMENT
R2N	12.2	3	3Φ TANGENT / TX BANK / SERVICE ENTRANCE	2491569.04	7435773.95	1.82	3.0	12.4	POLE REPLACEMENT
R3N	9.1	4	COMMUNICATION SERVICE POLE	2491572.93	7435753.96	1.51	13.6	51.3	POLE REPLACEMENT
R4N	12.2	3	3Φ TANGENT POLE / SL	2491546.29	7435734.52	1.82	4.2	52.9	POLE REPLACEMENT
R5N	12.2	3	3Φ TANGENT POLE / TX BANK / SERVICE WIRES	2491534.47	7435713.69	1.82	7.8	12.9	POLE REPLACEMENT
R6E	9.1	4	STUB POLE	2491545.80	7435707.89	1.51	20.7	67.6	EXISTING TO REMAIN
R7N	12.2	3	3Φ TANGENT POLE / UNDERGROUND SECONDARY	2491525.68	7435698.61	1.82	4.9	26.2	POLE REPLACEMENT
R8	12.2	4	3Φ DEAD-END / 1Φ DEAD-END / UNDERGROUND PRIMARY	2491509.73	7435670.61	1.72	4.0	13.4	EXISTING POLE TO REMAIN
R9N	12.2	3	1Φ LIGHT ANGLE POLE / SL	2491492.16	7435639.53	1.82	-	-	POLE REPLACEMENT
R10	12.2	4	1Φ DEAD-END POLE	-	-	1.82	-	-	EXISTING POLE TO REMAIN
R11	9.1	4	SERVICE POLE/SL	-	-	1.51	-	-	EXISTING POLE TO REMAIN
Q1N	12.2	3	3Φ DEAD-END FROM UNDERGROUND PRIMARY	2491587.58	7435879.04	1.82	5.8	10.8	POLE REPLACEMENT
Q2N	12.2	3	3Φ LIGHT ANGLE POLE/TX BANK	2491562.64	7435893.25	1.82	4.2	9.8	POLE REPLACEMENT
Q2AN	12.2	3	1Φ TANGENT	2491523.20	7435915.37	1.82	5.8	85.5	NEW POLE
Q3-Q8	10.7	4	VARIES	-	-	-	-	-	EXISTING POLE TO REMAIN
S1-S4	10.7	4	VARIES	-	-	-	-	-	EXISTING POLE TO REMAIN

GUY & ANCHOR INFORMATION TABLE								
POLE No.	GUY/ANC. REF.	GUY SIZE	ATTACH. LVL	TYPE	ANCHOR SIZE	ANC. LEAD (m)	UTILIZATION LOAD FACTOR	NOTES
P1N	A	10M	COMM	DEAD-END	16M	5.2	3.5	NEW GUY / EXISTING ANCHOR
P1N	B	8mm	COMM	OVHD BISECTOR	-	-	8.5	FOR REMOVAL
P1AN	C	8mm	-	STUB/BISECTOR	16M	3.3	12.7	FOR REMOVAL
P4N	D1	8mm	NEUT	DEAD-END	16M	3.0	3.5	NEW GUY / EXISTING ANCHOR
P4N	D2	10M	COMM	DEAD-END		3.0	4.3	NEW GUY / EXISTING ANCHOR
P4N	D	-	-	ANCHOR		3.0	1.9	NEW GUY / EXISTING ANCHOR
P4N	E	10M	COMM	DEAD-END	16M	5.0	16.6	NEW GUY / EXISTING ANCHOR
P4AN	F	8mm	SERVICE	BISECTOR	16M	3.0	9.7	NEW GUY & ANCHOR
P4DN	G	8mm	SERVICE	DEAD-END	16M	3.0	4.4	NEW GUY & ANCHOR
P4DN	H	8mm	SERVICE	DEAD-END	16M	3.0	26.2	NEW GUY & ANCHOR
P9	J1	8mm	PRI	DEAD-END	26M	2.8	2.1	EXISTING GUY / NEW ANCHOR
P9	J2	8mm	NEUT	DEAD-END		2.8	2.8	EXISTING GUY / NEW ANCHOR
P9	J3	10M	COMM	DEAD-END		2.8	5.1	EXISTING GUY / NEW ANCHOR
P9	J	-	-	ANCHOR	16M	2.8	1.8	EXISTING GUY / NEW ANCHOR
P9	K1	8mm	PRI	DEAD-END		4.1	5.4	EXISTING GUY & ANCHOR
P9	K2	8mm	NEUT	DEAD-END		4.1	8.6	EXISTING GUY & ANCHOR
P9	K3	10M	COMM	DEAD-END	26M	4.1	13.5	EXISTING GUY & ANCHOR
P9	K	-	-	ANCHOR		4.1	2.7	EXISTING GUY & ANCHOR
P9	L1	8mm	NEUT	BISECTOR		4.1	1.7	EXISTING GUY / NEW ANCHOR
P9	L2	10M	COMM	BISECTOR	16M	4.1	3.5	EXISTING GUY / NEW ANCHOR
P9	L	-	-	ANCHOR		4.1	2.2	EXISTING GUY / NEW ANCHOR
P10	M	10M	COMM	DEAD-END	16M	2.9	4.5	EXISTING GUY & ANCHOR
R1N	N1	8mm	PRI	BISECTOR	26M	4.7	1.6	NEW GUY & ANCHOR
R1N	N2	10M	COMM	BISECTOR		4.7	2.5	NEW GUY & ANCHOR
R1N	N	-	-	ANCHOR		4.7	1.9	NEW GUY & ANCHOR
R6N	O	8mm	PRI	STUB/BISECTOR	16M	2.9	10.0	NEW GUY & ANCHOR
R7N	P	8mm	SERVICE	DEAD-END	16M	4.5	31.1	EXISTING GUY & ANCHOR
R8	Q1	8mm	PRI	DEAD-END	16M	5.2	6.1	EXISTING GUY & ANCHOR
R8	Q2	8mm	NEUT	DEAD-END		5.2	20.4	EXISTING GUY & ANCHOR
R8	Q	-	-	ANCHOR		5.2	4.7	EXISTING GUY & ANCHOR
R9	R	8mm	PRI	BISECTOR	16M	3.5	-	EXISTING GUY & ANCHOR
Q1N	S1	8mm	PRI	DEAD-END	26M	5.0	2.3	NEW GUY & ANCHOR
Q1N	S2	-	COMM	DEAD-END		5.0	4.0	NEW GUY & ANCHOR
Q1N	S	-	-	ANCHOR		5.0	2.8	NEW GUY & ANCHOR
Q2N	T	8mm	PRI	DEAD-END	16M	3.0	15.2	NEW GUY & ANCHOR

NOTES:

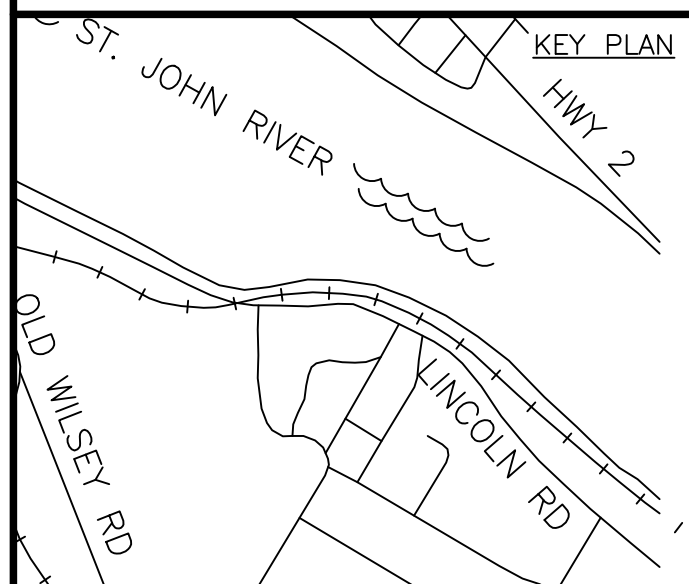
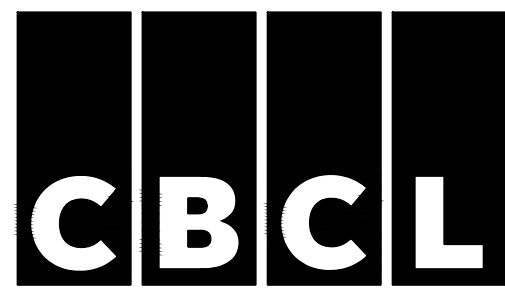
- POWER SUPPLY CONDUCTORS ARE INDICATED IN PROFILE AT 100°C MAXIMUM THERMAL/FINAL SAG.
- COMMUNICATION CABLES/STRAND ARE INDICATED IN THE PROFILE UNDER 12.5mm (1/2") ICE HEAVY LOADED CONDITIONS AND 400N/m² WIND.
- ALL CABLES ARE TO BE DOUBLE LASHED TO THE STRAND IN THE CROSSING SPAN. THERE ARE TO BE NO SPLICES IN THE CROSSING SPAN, AND PREFERABLY NOT IN THE ADJACENT SPANS.
- ELEVATIONS ARE IN CGVD2013 SYSTEM.

LUMINAIRE SCHEDULE				
TAG.	DESCRIPTION	SOURCE	VOLTAGE / LUMENS	DISTRIBUTION
L1	LED STREET LIGHT LUMINAIRE, UNIVERSAL MOUNT, AREA LIGHT c/w PHOTOCELL CONTROL	LED (4000K)	120V / 10000lm	TYPE 2
L2	LED FLOOD LIGHT LUMINAIRE, UNIVERSAL MOUNT, AREA LIGHT c/w PHOTOCELL CONTROL	LED (4000K)	120V / 30000lm	TYPE 4 (FORWARD THROW)

COMMUNICATION CABLE DATA			
PROV.	CABLES	DIA (mm)	WEIGHT (kg/m)
BELL	100PR-24GA-PIC	21.6	0.46
BELL	36-FIBRE	11.1	0.085
BELL	24-FIBRE	11.1	0.085

COMMUNICATION CABLE ASSEMBLIES					
REF.	PROV	CABLES	DIA. (mm)	WEIGHT (kg/m)	STRAND SIZE
BA1	BELL	100PR-24GA PIC 36-FIBRE 24-FIBRE	32.94	0.82	6M
BA2	BELL	100PR-24GA-PIC	27.02	0.65	6M

CONDUCTOR LIST TABLE				
REF.	SIZE	MATL	QTY.	TYPE
1	2/0 AWG	ACSR	3	PRI.
2	2/0 AWG	ACSR	1	NEUT.
3	2/0 AWG	ACSR	1	PRI.
4	#2 AWG	AL	1	QUAD.
5	#2 AWG	AL	1	TRX.
6	#2 AWG	AL	1	DPX.



1	RE-ISSUED FOR TENDER	10/22/20
0	ISSUED FOR TENDER	10/20/20
revisions		date

project

project

**ELECTRICAL
SITE DISTRIBUTION
AAFC R&D
CENTRE, FREDERICTON
YORK CO., NB**

drawing

dessin

SITE PLAN

designed LP	conçu
date AUGUST 27, 2020	
drawn KD	dessiné
date AUGUST 27, 2020	
approved LP	approuvé
date AUGUST 27, 2020	
Tender	Soumission
PWGSC Project Manager Administrateur de projets TPSCG	
project number	no. du projet
R.106441.003	
drawing no.	no. du dessin
E3	