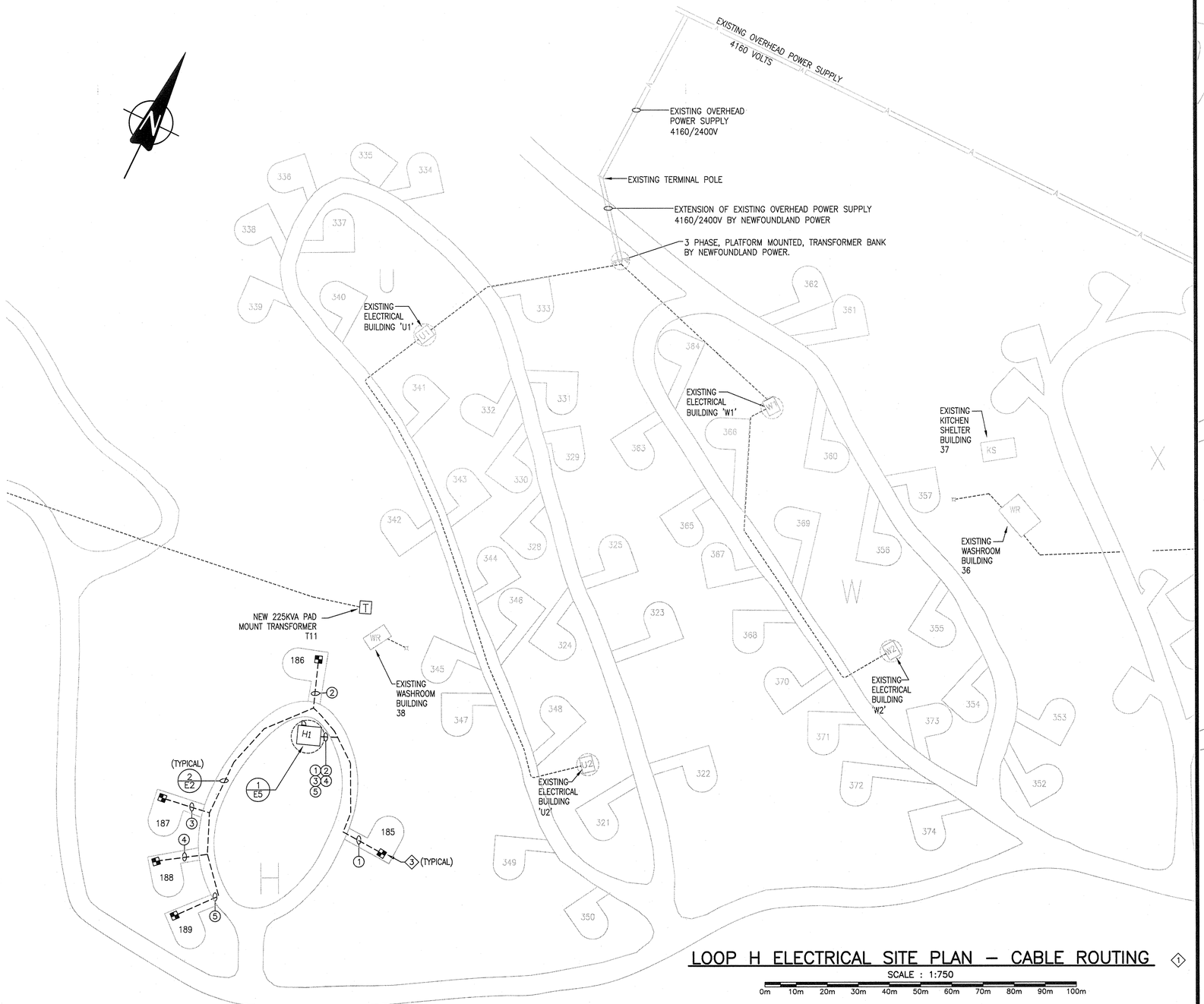
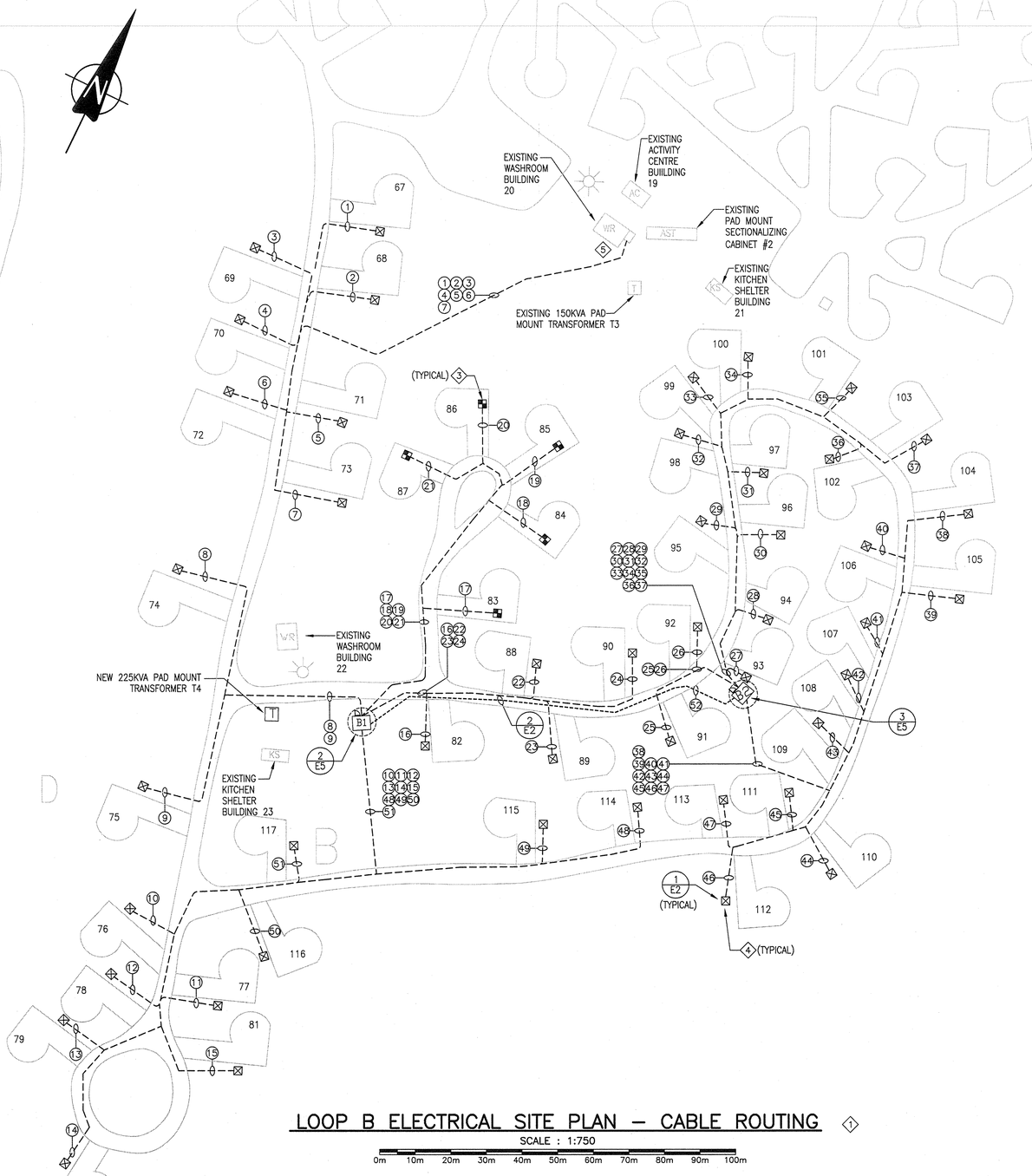


LOOP H ELECTRICAL SITE PLAN – CABLE ROUTING ①

SCALE : 1:750

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m



LOOP B ELECTRICAL SITE PLAN – CABLE ROUTING ①

SCALE : 1:750

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

FEEDER SCHEDULE LOOP B

FEEDER ⓕ	LOOP AND CAMPSITE #	2C TECK 90 CABLE SIZE	MAX. RUN (BASE ON 3% VOLTAGE DROP)
1	67	#2/0	203M
2	68	#1/0	161M
3	69	#1/0	161M
4	70	#1/0	161M
5	71	#1/0	161M
6	72	#1/0	161M
7	73	#2/0	203M
8	74	#1	127M
9	75	#2	101M
10	76	#1	127M
11	77	#1/0	161M
12	78	#1/0	161M
13	79	#2/0	203M
14	80	#2/0	203M
15	81	#2/0	203M
16	82	#4	64M
22	88	#3	80M
23	89	#2	101M
24	90	#2	101M
25	91	#3	80M
26	92	#4	64M
27	93	#4	64M
28	94	#4	64M
29	95	#3	80M
30	96	#3	80M
31	97	#2	101M
32	98	#2	101M
33	99	#1	127M
34	100	#1	127M
35	101	#1/0	161M
36	102	#1/0	161M
37	103	#1/0	161M
38	104	#1/0	161M
39	105	#1/0	161M
40	106	#1/0	161M
41	107	#1	127M
42	108	#2	101M
43	109	#3	80M
44	110	#2	101M
45	111	#2	101M
46	112	#1	127M
47	113	#1	127M
48	114	#1/0	161M
49	115	#1	127M
50	116	#1	127M
51	117	#1	127M
52	SEE DRAWING E3		

FEEDER SCHEDULE LOOP B

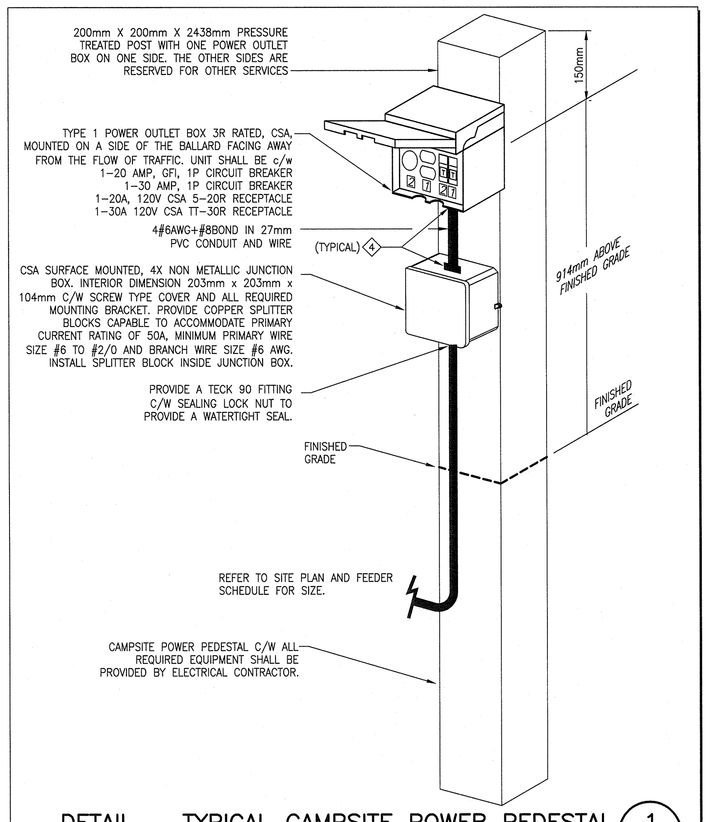
FEEDER ⓕ	LOOP AND OTENTIK #	3C TECK 90 CABLE SIZE	MAX. RUN (BASE ON 3% VOLTAGE DROP)
17	83	#4	111M
18	84	#3	139M
19	85	#3	139M
20	86	#3	139M
21	87	#2	175M

FEEDER SCHEDULE LOOP H

FEEDER ⓕ	LOOP AND OTENTIK #	3C TECK 90 CABLE SIZE	MAX. RUN (BASE ON 3% VOLTAGE DROP)
1	185	#4	111M
2	186	#6	67M
3	187	#4	111M
4	188	#3	139M
5	189	#3	139M

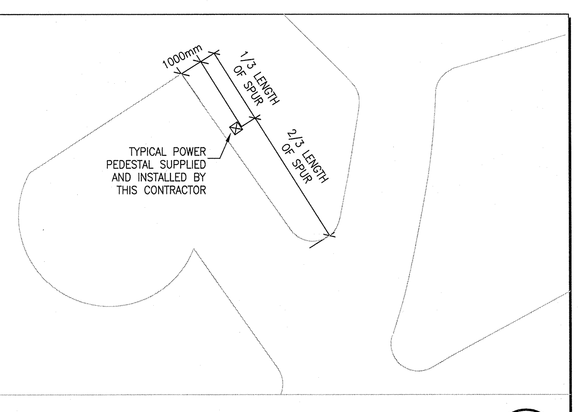
LOOP H & B – ELECTRICAL FEEDER SCHEDULES

SCALE : N.T.S.



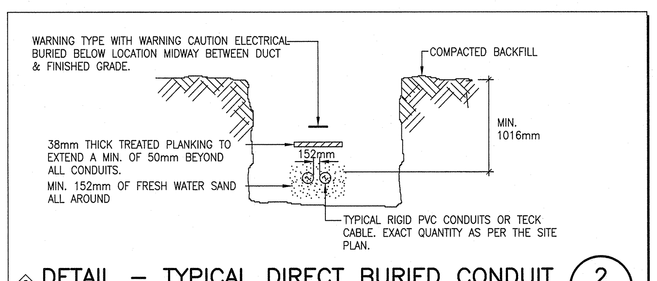
DETAIL – TYPICAL CAMPSITE POWER PEDESTAL 1/E2

SCALE : N.T.S.



DETAIL – TYPICAL CAMPSITE POWER PEDESTAL LOCATION 3/E2

SCALE : N.T.S.



⑥ DETAIL – TYPICAL DIRECT BURIED CONDUIT 2/E2

SCALE : N.T.S.

ELECTRICAL NOTES:

INDICATED BY THE ① SYMBOL ON THE DRAWINGS. (I.E. ① INDICATES NOTE 1)

NOTE 1: FOR CABLE ROUTING, ELECTRICAL CONTRACTOR SHALL:
A. PROVIDE A SEPARATE CABLE RUN FOR EACH CAMPSITE AND OTENTIKS. DO NOT COMBINE CABLE.
B. COORDINATE EXACT ROUTING OF ALL UNDERGROUND SERVICES WITH DEPARTMENTAL REPRESENTATIVE BEFORE INSTALLATION.
C. FEEDER SIZES ARE BASED ON ROUTING AS INDICATED ON THE SITE PLAN. DO NOT EXCEED THE MAXIMUM RUN LENGTH SHOWN ON FEEDER SCHEDULE.
D. MEDIUM VOLTAGE, WATER AND SEWER UNDERGROUND SERVICES NOT SHOWN FOR CLARITY. REFER TO DRAWING E1 FOR MORE INFORMATION.

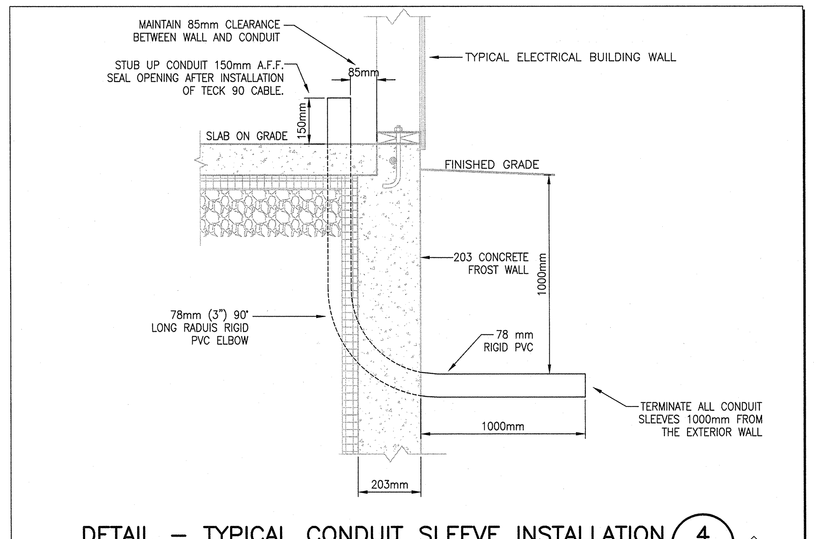
NOTE 2: ROUTE EACH TECK 90 CABLE THROUGH A SEPARATE PVC CONDUIT SLEEVE. COORDINATE STUB UP CONDUITS WITH ELECTRICAL EQUIPMENT LAYOUT, CONTRACTOR SHALL SUBMIT EXACT STUB UP CONDUIT LAYOUT AND LOCATION SHOP DRAWING FOR REVIEW. ONE OR TWO ROWS OF CONDUIT SLEEVE COULD BE USED.

NOTE 3: POWER CONNECTION TO OTENTIKS LOAD CENTER. REFER TO DETAIL 1/E4.

NOTE 4: PROVIDE MALE TERMINAL ADAPTER, SEALING RING AND SEALING LOCK NOT TO SEAL CABLE, CONDUIT ENTRY.

NOTE 5: PROVIDE NEW 100A, 3P CIRCUIT BREAKER TO MATCH EXISTING PANEL (FEDERAL PIONEER, TYPE CDP, NO 10124442-002) TO FEED NEW PANEL. TERMINATE CAMPSITE FEEDERS IN NEW PANEL AND REFER TO DRAWING E3 FOR ADDITIONAL INFORMATION.

NOTE 6: AT CROSSOVER:
MAINTAIN 152mm MINIMUM VERTICAL CLEARANCE WHEN LOW VOLTAGE CABLES CROSS LOW VOLTAGE CABLES.
MAINTAIN 300mm MINIMUM VERTICAL CLEARANCE WHEN LOW VOLTAGE CABLES OR HIGH VOLTAGE CABLE CROSS COMMUNICATION CABLES.
MAINTAIN 300mm MINIMUM VERTICAL CLEARANCE WHEN LOW VOLTAGE CABLES CROSS HIGH VOLTAGE CABLES.

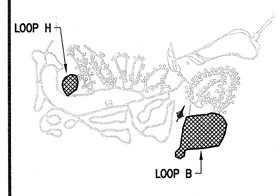


DETAIL – TYPICAL CONDUIT SLEEVE INSTALLATION 4/E2 ②

SCALE : N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

KEYPLAN:



REGISTERED PROFESSIONAL ENGINEER
RAYMOND BOCKETT
AUG.31/16
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
THIS PERMIT ALLOWS
F.C. O'NEILL SCRIVEN AND ASSOCIATES LIMITED
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by APEGN P0271
which is valid for the year 2016

revisions		date
4	REISSUED FOR TENDER	08/31 2016
3	ISSUED FOR TENDER	08/19 2016
2	ISSUED FOR 100% REVIEW	07/11 2016
1	ISSUED FOR 70% REVIEW	04/04 2016

project / projet

NEWMAN SOUND CAMPGROUND ELECTRICAL UPGRADES (PHASE 2)
TERRA NOVA PARK, NEWFOUNDLAND & LABRADOR

drawing / dessin

SITE PLAN, ELECTRICAL CABLE ROUTING, DETAILS & SCHEDULES

designed H.B. / conçu
date MAR 2016
drawn A.L. / dessiné
date MAR 2016
approved R.G.R. / approuvé
date APR 2016
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
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