

FEEDER SCHEDULE			CABLE SIZE
FEEDER	LOOP AND CIRCUIT #	LENGTH	
29	W355	14M (46')	#10
30	W356	37M (122')	#6
31	W357	32M (105')	#6
32	W354	33M (105')	#4
33	W353	32M (105')	#6
34	W352	32M (105')	#6
35	W372	29M (92')	#3
36	W374	30M (92')	#3
37	W352	30M (92')	#3
38	W370	47M (155')	#6
39	W371	68M (224')	#4
40	W358	38M (119')	#4

[illegible]

FEEDER SCHEDULE				TABLE (20°C)	
ELECTRICAL BUILDING U2				AND SIZE	
FEEDER	LOOP AND CAMPISIT #	CIRCUIT LENGTH			
17	U321	55M (181')	#4		
18	U322	53M (174')	#4		
19	U323	78M (256')	#2		
20	U324	79M (257')	#3		
21	U325	50M (164')	#4		
22	U326	50M (164')	#4		
23	U345	86M (282')	#3		
24	U346	93M (306')	#3		
25	U347	73M (240')	#4		
26	U348	72M (236')	#8		
27	U349	64M (210')	#4		
28	U350	81M (266')	#4		

FEDER SCHEDULE			CABLE SIZE/ AWG SIZE
ELECTRICAL	BUILDING U1		
FEDER	LOOP AND COMPONENT #	CIRCUIT LENGTH	
1	1 U340	35M (115')	#8
2	2 U337	41M (135')	#6
3	3 U339	39M (128')	#3
4	4 U338	78M (256')	#4
5	5 U336	78M (256')	#4
6	6 U338	78M (256')	#4
7	7 U336	77M (251')	#3
8	8 U328	19M (63')	#2
9	9 U329	59M (191')	#2
10	10 U331	47M (155')	#2
11	11 U333	49M (161')	#6
12	12 U334	55M (179')	#5
13	13 U335	55M (179')	#5
14	14 U341	76M (250')	#4
15	15 U342	130M (428')	#4
16	16 U343	107M (351')	#2

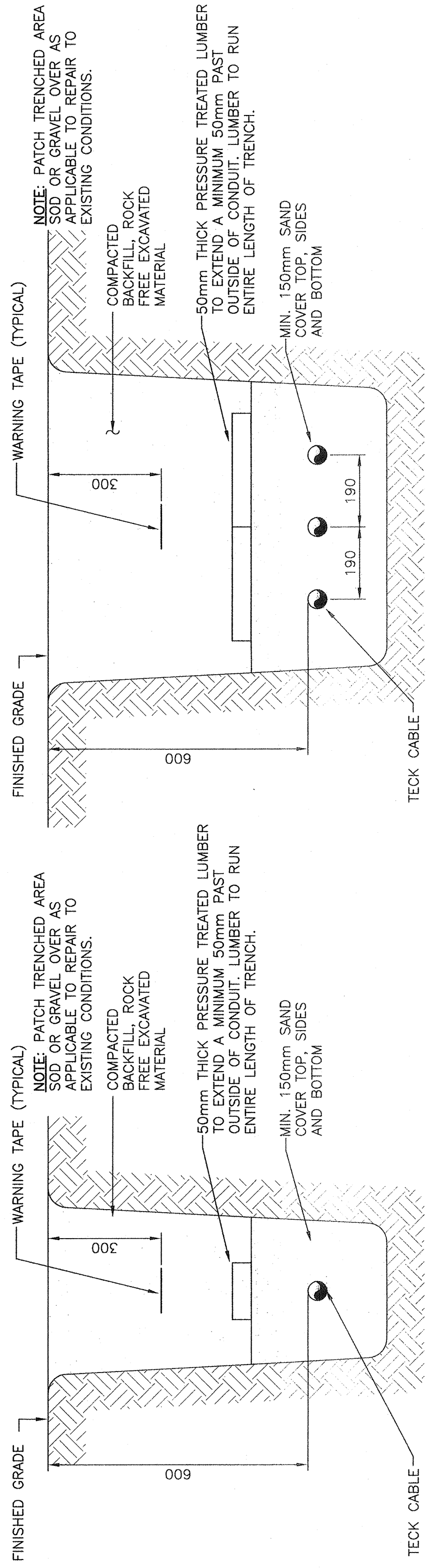
VOLTAGE DROP USING 2/C TECK FOR 30 AMP, 120 VOLT RECEPTACLES							
CABLE SIZE	#10	#8	#6	#4	#3	#2	#1
MAXIMUM LENGTH OF FEEDER	2.3 M (75')	36 M (119')	49 M (162')	84 M (276')	106 M (348')	127 M (418')	152 M (500')

SITE NOTES:

1. ELECTRICAL CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UNDERGROUND HIGH VOLTAGE LINE. EXERCISE EXTREME CAUTION WHEN EXCAVATING AROUND THE HIGH VOLTAGE LINE. FOR CLEARANCES SEE SECTION 67
2. FOR CLARITY PURPOSES THE 4160/2400V LINES FROM THE TRANSFORMER BANK TO THE ELECTRICAL BUILDINGS AND 600V LINES BETWEEN ELECTRICAL BUILDINGS ARE NOT SHOWN. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING 'E1'.

NOTE:

LINES SHOWN FOR EACH INDIVIDUAL CAMPSITE FEED IS FOR  
 SCHEMATIC PURPOSES ONLY. ENSURE TO FOLLOW THE LEAST  
 DISRUPTIVE PATH, OBTAIN APPROVAL FROM PARKS CANADA  
 MANAGEMENT BEFORE PROCEEDING.  
 IF PATH DIFFERS FROM WHAT IS SHOWN ENSURE FEEDER  
 SIZES CONFORM TO MEET THE 3% VOLTAGE DROP TABLE.

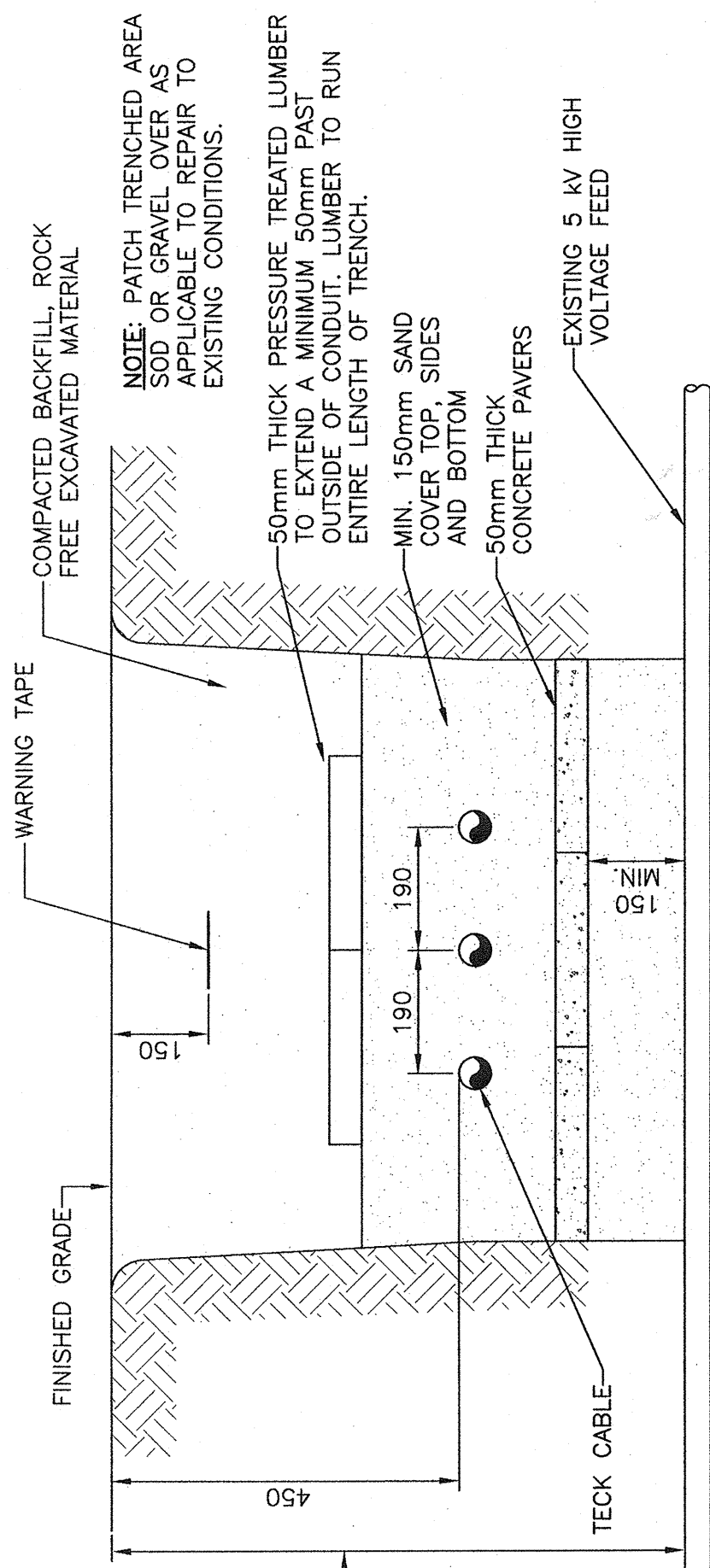


SECTION - TYPICAL FEEDER TRENCH (B)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

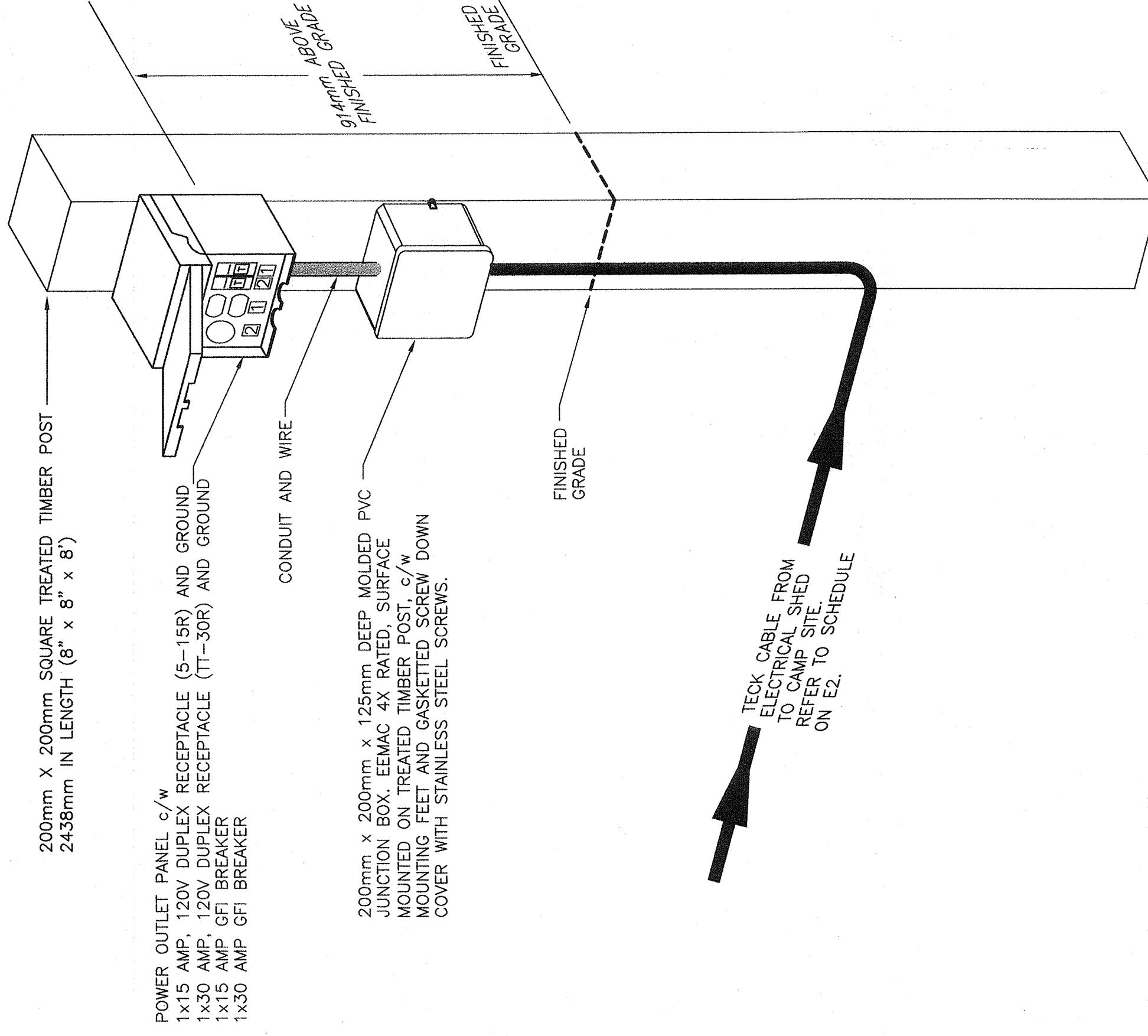
1. 3 CABLES ARE SHOWN IN THIS DETAIL FOR DIAGRAMMATIC PURPOSES ONLY. DIMENSIONS AND CLEARANCES SHOWN IN THIS DETAIL WILL APPLY TO ALL TRENCHES WITH ELECTRICAL FEEDERS.
2. ALL DIMENSIONS ARE IN MILLIMETERS.



SECTION - TYPICAL HIGH VOLTAGE CROSSOVER C

SCALE : 1:10

- NOTE: ALL DIMENSIONS ARE IN MILLIMETERS.



DETAIL - CAMPSITE POWER PEDESTAL (2)

SCALE : N.T.S.

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NOV. 2014	ISSUED FOR TENDER	date
0		revisions

NEWMAN SOUND  
CAMPGROUND  
ELECTRICAL UPGRADE  
TERRA NOVA NATIONAL  
PARK OF CANADA

**SITE PLAN – ELECTRICAL  
CABLE ROUTING, DETAILS  
AND SCHEDULES**

designed	G. BOWSER	comp
date	NOVEMBER 2014	

drawn	K. WOLFE	design
date	NOVEMBER 2014	

approved \_\_\_\_\_ approved \_\_\_\_\_

Date: 10/1/2014  
 Teacher: D.A. Dunder  
 Sountestio: 30 Oct 2014

PMGSC Project Manager	Administrateur de projets
project number	no. du projet
D 066138 001	

E2

E-DRM/GDO-E: 465231 Version 1



# SITE PLAN - CABLE ROUTING

SCALE: 1:500