

PROVINCE OF NEWFOUNDLAND AND LABRADOR

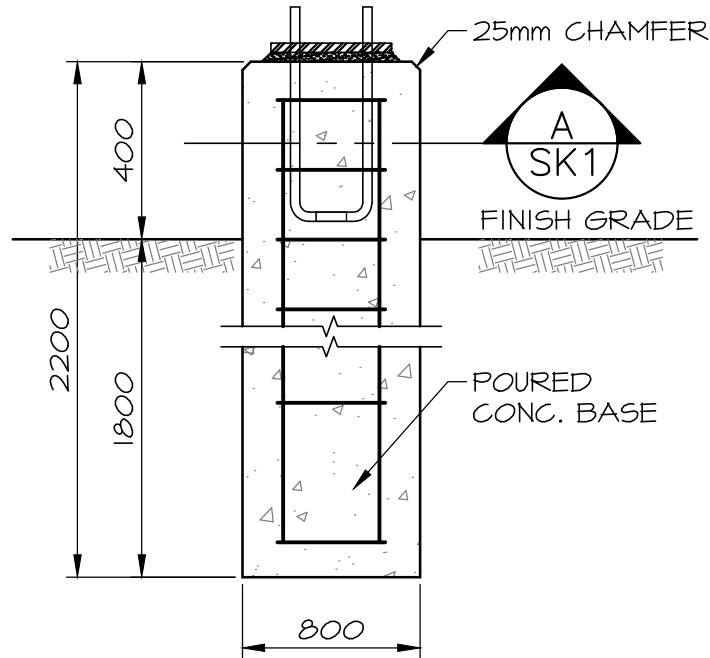
**PEG**  
Newfoundland  
and Labrador  
Professional Engineering  
and Geomatics

PERMIT HOLDER  
This Permit Allows

Amec Foster Wheeler  
Environment & Infrastructure

Clifford Smith Member # 04696

To practice Professional Engineering  
in Newfoundland and Labrador.  
Permit No. as issued by PEGNL N0844  
which is valid for the year 2017

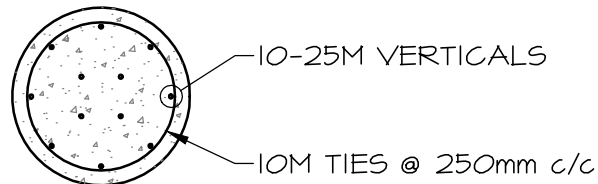


## CONCRETE BASE FOR LIGHT FIXTURES



SCALE : 1:25

ANCHOR BOLTS  
CONFIRM NUMBER AND  
SIZE AND LAYOUT WITH  
POLE MANUFACTURER



## SECTION

SCALE : 1:25

### NOTES:

1. ALL CONCRETE 30 MPa
2. REBAR 400 MPa
3. MIN. 75mm CONCRETE COVER OVER REBAR
4. CHAMFER TOP OF PEDESTAL
5. SQUARE BASE MAY BE USED AS ALTERNATIVE.
6. DESIGN BASED ON WIND SPEED 200kph (120mph)
7. BACKFILL WITH CLASS 'B' COMPACTED MATERIAL.



Parks  
Canada

Canada

project

TERRA NOVA  
NATIONAL PARK  
ENTRANCE  
REHABILITATION  
PROJECT

projet

Drawing title

Titre du dessin

designed

conçu

date

IO

01/19/17

drawn

dessiné

date

CG

01/23/17

approved

approuvé

date

IO

01/23/17

Tender

Soumission

Project Manager

Administrateur de projets

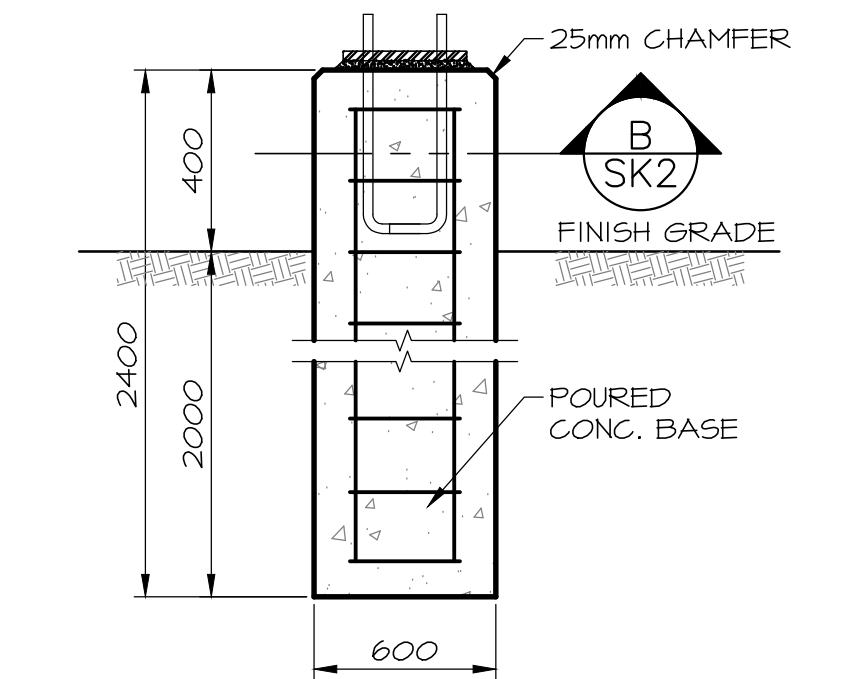
project number

no. du projet

drawing no.

no. du dessin

SK1

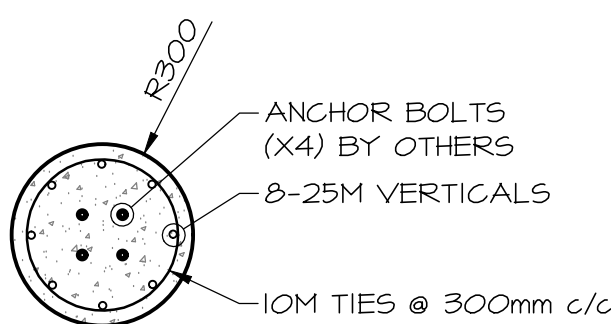


FLAGPOLE BASE

SCALE : 1:25

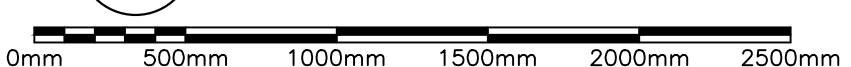


ANCHOR BOLTS  
CONFIRM NUMBER AND  
SIZE AND LAYOUT WITH  
POLE MANUFACTURER



SECTION

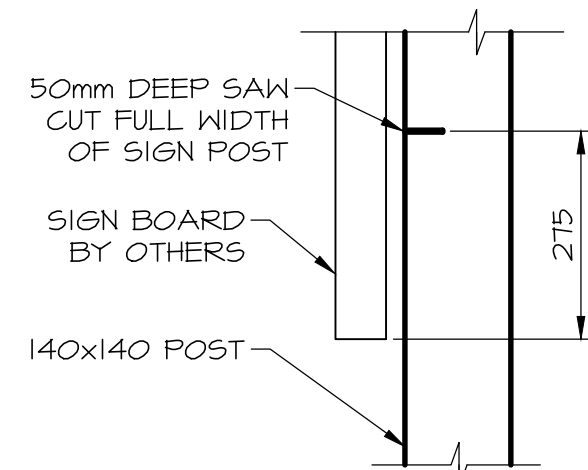
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NOTES:

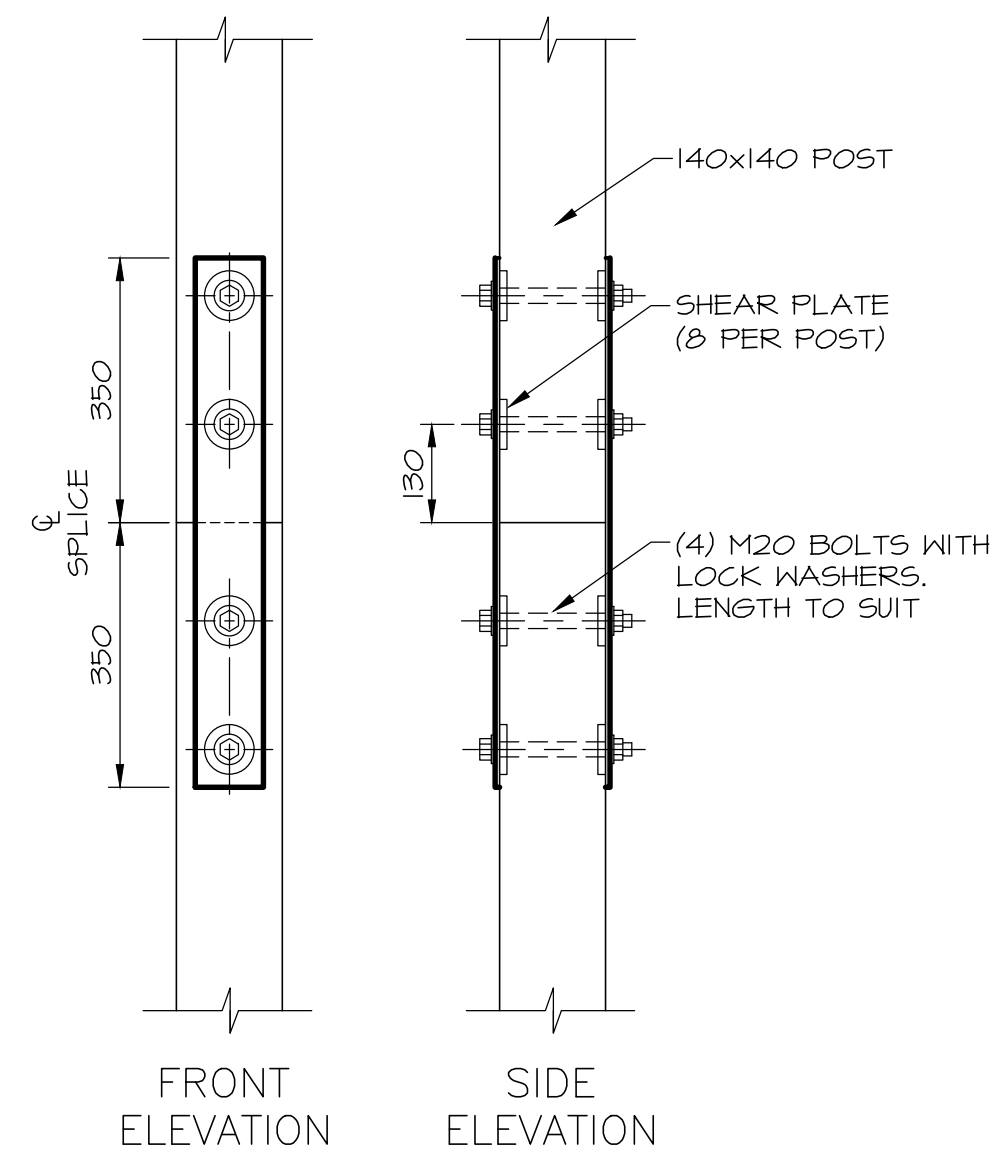
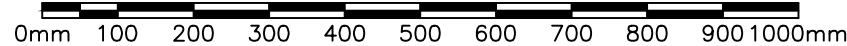
1. ALL CONCRETE 30 MPa
2. REBAR 400 MPa
3. MIN. 15mm CONCRETE COVER OVER REBAR
4. CHAMFER TOP OF PEDESTAL
5. SQUARE BASE MAY BE USED AS ALTERNATIVE.
6. DESIGN BASED ON WIND PRESSURE = 0.85kPa
7. BACKFILL WITH CLASS 'B' COMPACTED MATERIAL.

CONCRETE BASE FOR ARCHITECTURAL  
FLAG POLE MODEL "SCA-60"



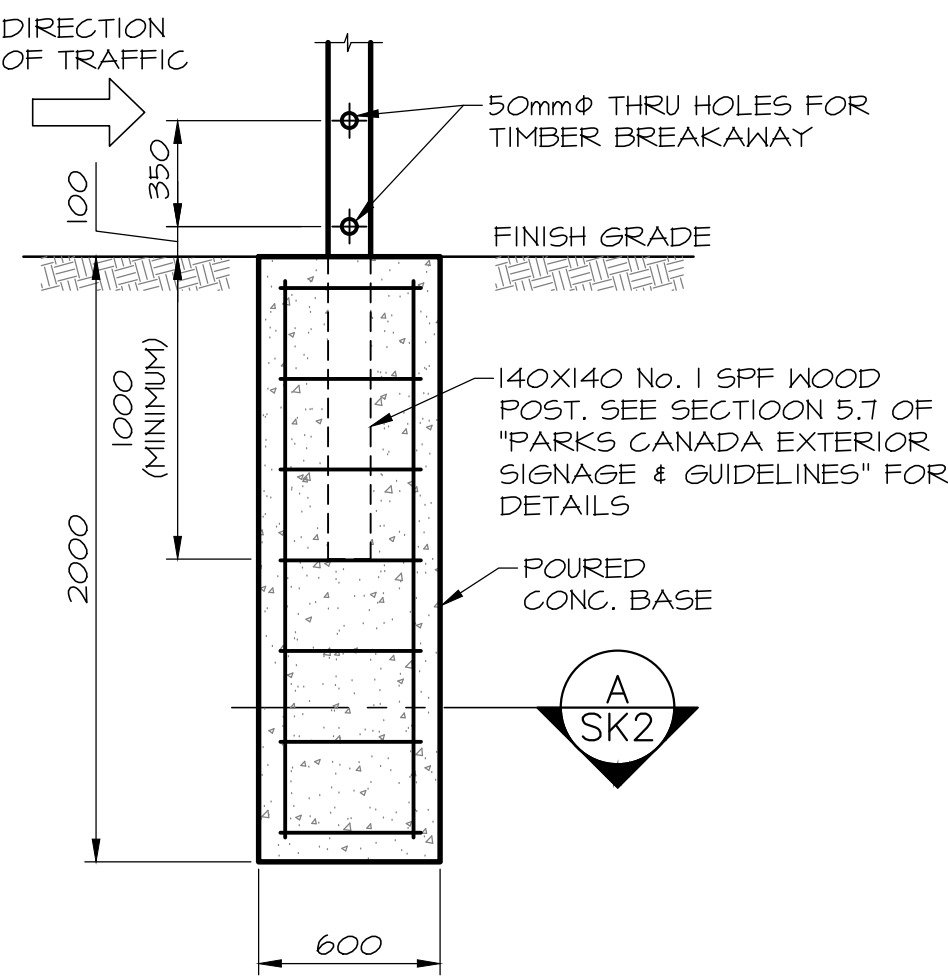
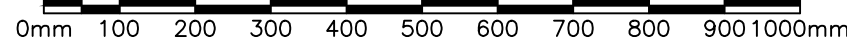
SIGN BREAK AWAY DETAIL

SCALE : 1:10



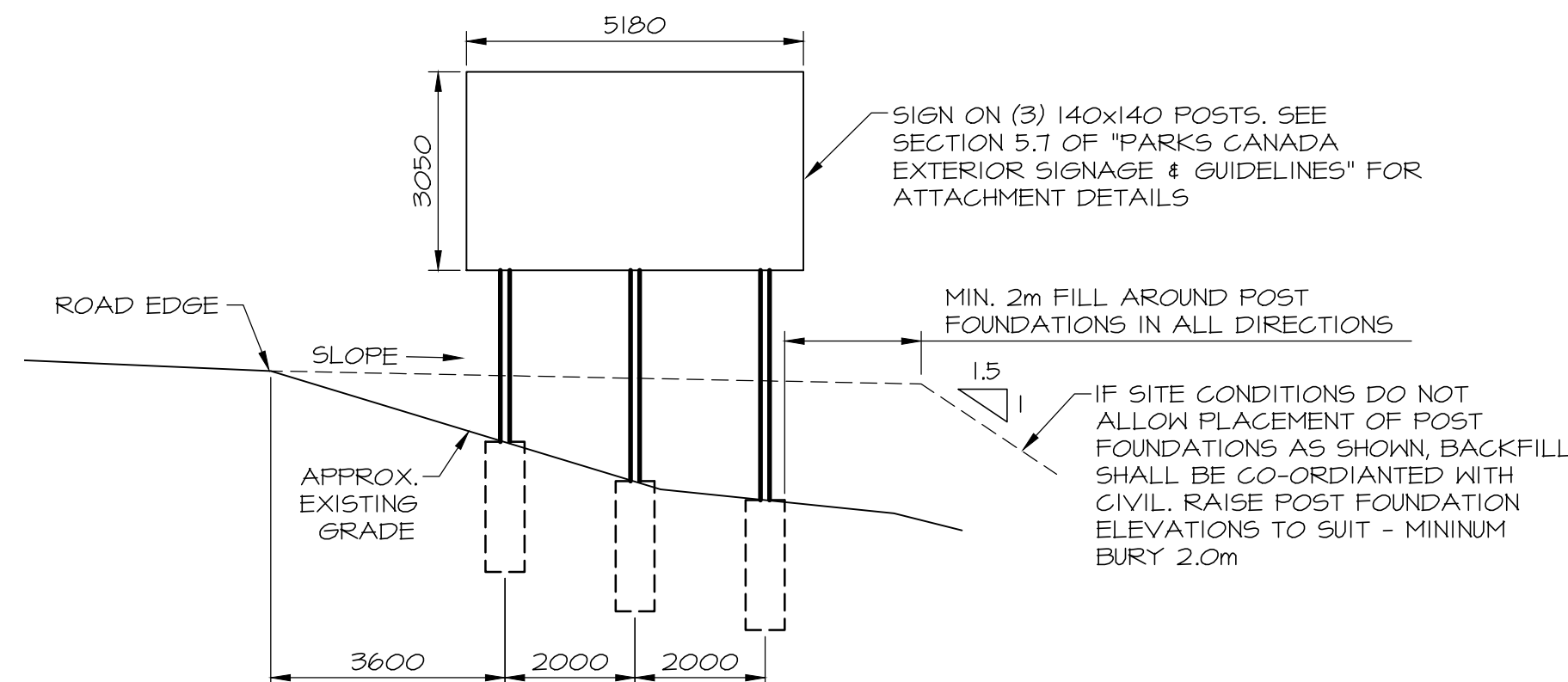
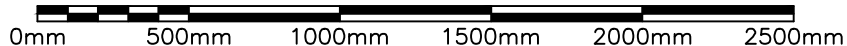
POST SPLICE DETAIL

SCALE : 1:10



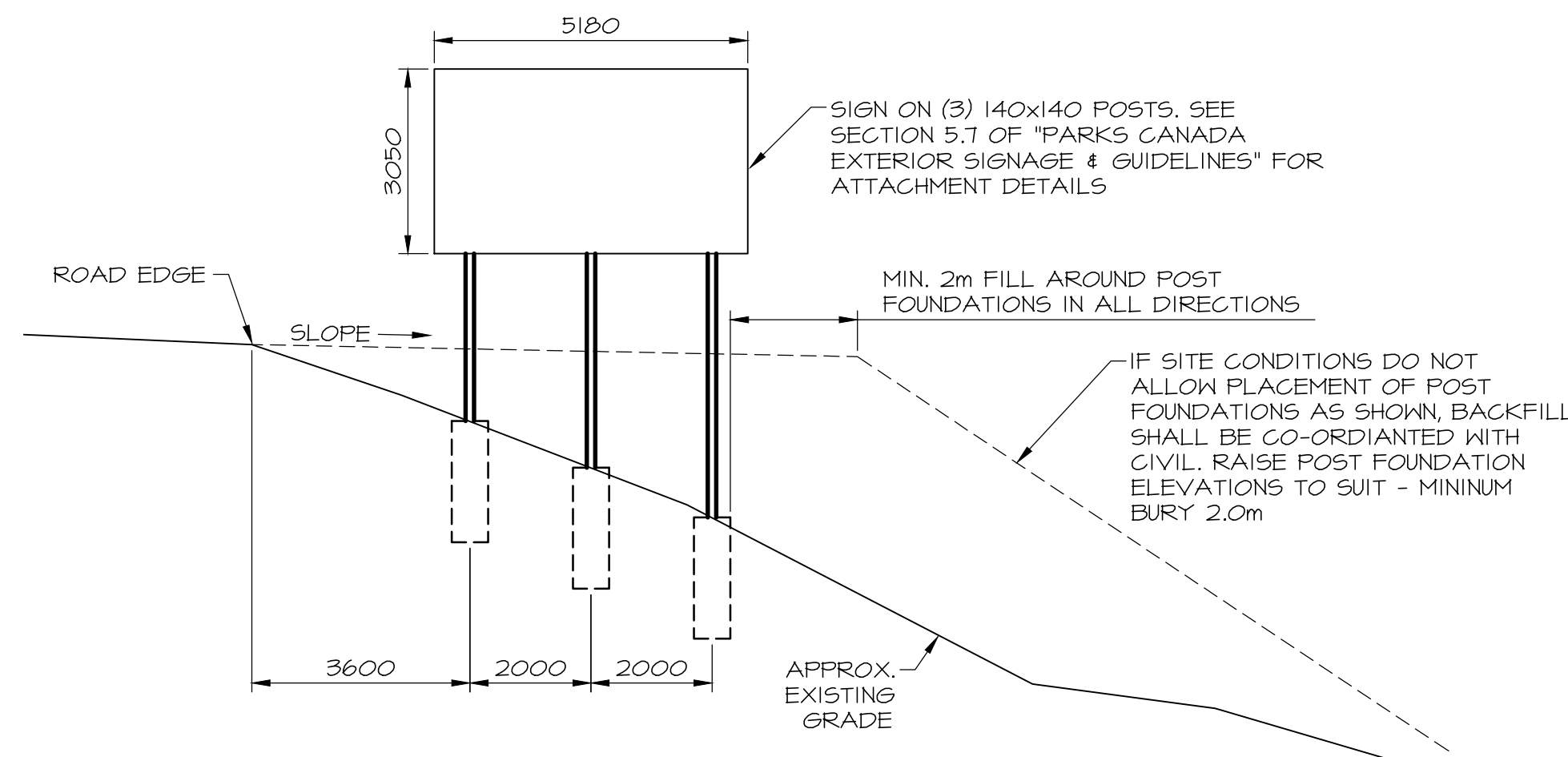
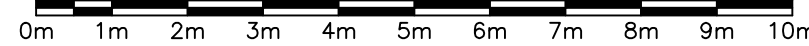
CONCRETE BASE FOR  
HIGHWAY SIGNS

SCALE : 1:25



HIGHWAY SIGN POSTS - NORTH SITE

SCALE : 1:100



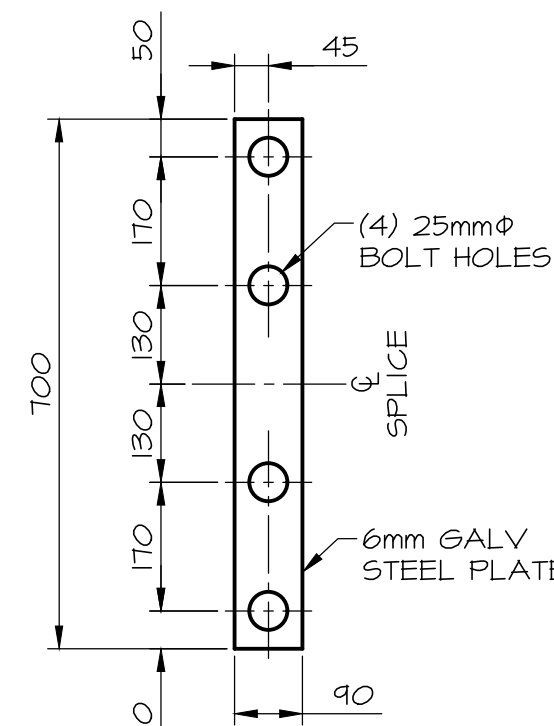
HIGHWAY SIGN POSTS - SOUTH SITE

SCALE : 1:100



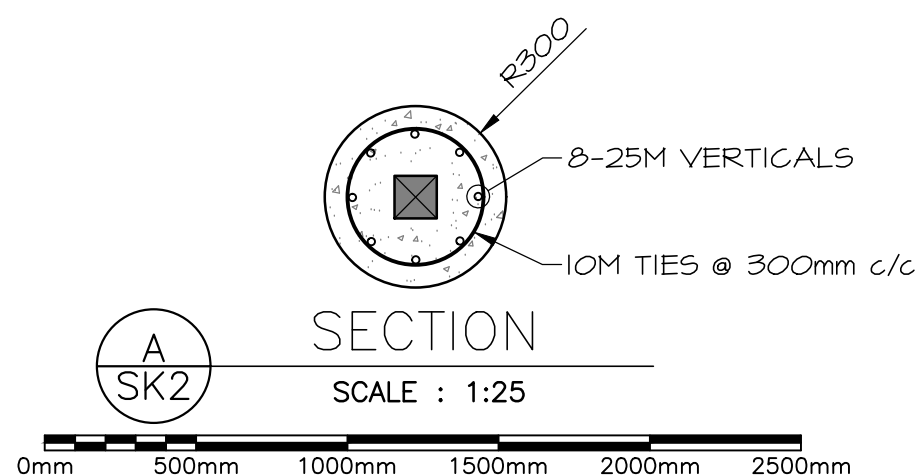
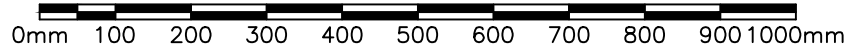
NOTES:

1. TIMBER SHALL BE COASTAL DOUGLAS FIR OR JACK PINE No.1 GRADE OR EQUIVALENT UNDER THE SAME SPECIES IDENTIFICATION IN ACCORDANCE WITH CSA STANDARD 086 FOR BEAM AND STRINGER, NLGA STANDARD GRADING RULES.
2. ALL WOOD SHALL BE PRESSURE PRESERVATIVE TREATED AS PER CSA 080.
3. ALL CUTS, HOLES, AND DAMAGE AFTER PRESSURE TREATMENT SHALL BE TREATED WITH PRESERVATIVES AS PER CSA 080.
4. CONNECTOR PLATES AND SPLICE PLATES SHALL BE STRUCTURAL STEEL IN ACCORDANCE WITH CSA STANDARD CAN3-640.21-M GRADE 300W.
5. CONNECTOR AND SPLICE BOLTS AND NUTS SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A325M.
6. PRESSED STEEL SHEAR PLATES SHALL BE IN ACCORDANCE WITH CSA STANDARD 086.
7. ALL STEEL INCLUDING NUTS AND BOLTS SHALL BE HOT-DIP GALVANIZED.
8. SPLICE PLATES SHALL BE USED AS TEMPLATES FOR DRILLING HOLES IN TIMBER.
9. TIMBER SURFACES AT SPLICE SHALL BE FLAT AND PERPENDICULAR TO 1 OF POST TO ENSURE FULL CONTACT.
10. POST SPLICES ARE ONLY REQUIRED IF FULL LENGTH (E + L1) POSTS ARE NOT AVAILABLE. WHEN A SPLICE IS REQUIRED FOR ANY POST WITHIN A SIGN SUPPORT, ALL POSTS SHALL THEN BE SPLICED, THE SPLICES DETAILED AND LOCATED AS SHOWN.
11. ALL STAINLESS STEEL BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM F543 ALLOY 304.
12. WOOD POST SHALL BE EPOXY COATED AS PER GUIDELINES IN "PARKS CANADA EXTERIOR SIGNAGE & GUIDELINES".
13. SEE CIVIL/ARCHITECTURAL DRAWINGS FOR ELEVATIONS AND BACKFILL REQUIREMENTS.



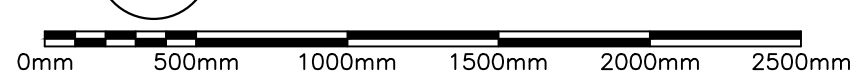
SPLICE PLATE

SCALE : 1:10



SECTION

SCALE : 1:25



1	ISSUED FOR ADDENDUM	02/02 2017
revisions		date
project		projct

TERRA NOVA  
NATIONAL PARK  
ENTRANCE  
REHABILITATION  
PROJECT

drawing dessin

HIGHWAY SIGN  
AND FLAGPOLE  
FOUNDATION DETAILS

designed VRS conçu

date FEB 1, 2017

drawn CG dessiné

date FEB 1, 2017

approved approuvé

date Soumission

PWSC Project Manager Administrateur de projets TPSC

project number no. du projet

drawing no. no. du dessin

SK2