

LEGEND

26mm ROCK ANCHOR

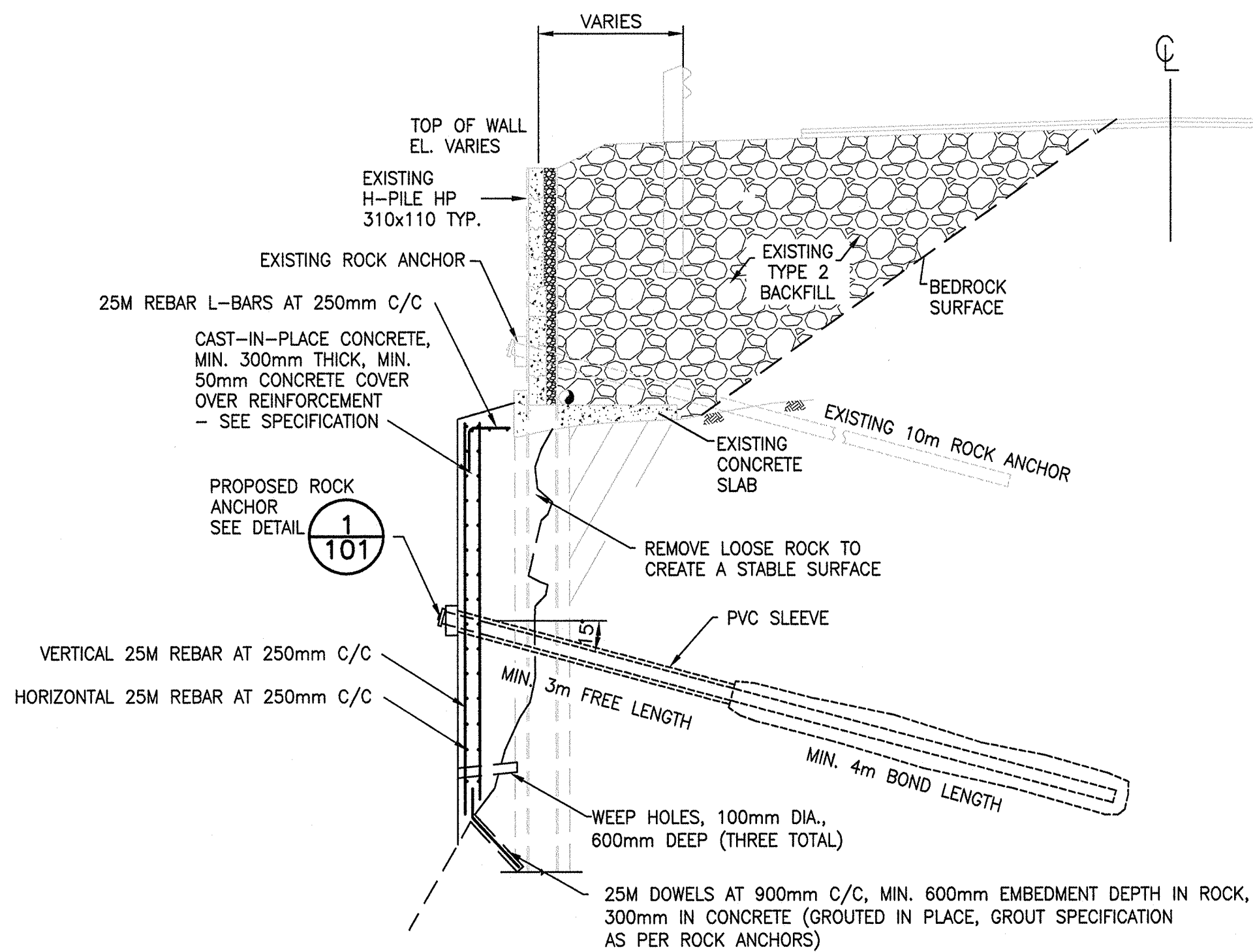
NOTE:

THE PROPOSED LOCATION OF THE ROCK ANCHORS NOTED ON THIS DRAWING ARE BASED ON BEDROCK ELEVATIONS PROVIDED BY OTHERS. THESE LOCATIONS SHOULD BE TREATED AS PRELIMINARY AND MODIFICATIONS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY PWGSC DESIGNATED PERSONNEL.

ELEVATION

SCALE: 1:50

C 101



TYPICAL WALL SECTION

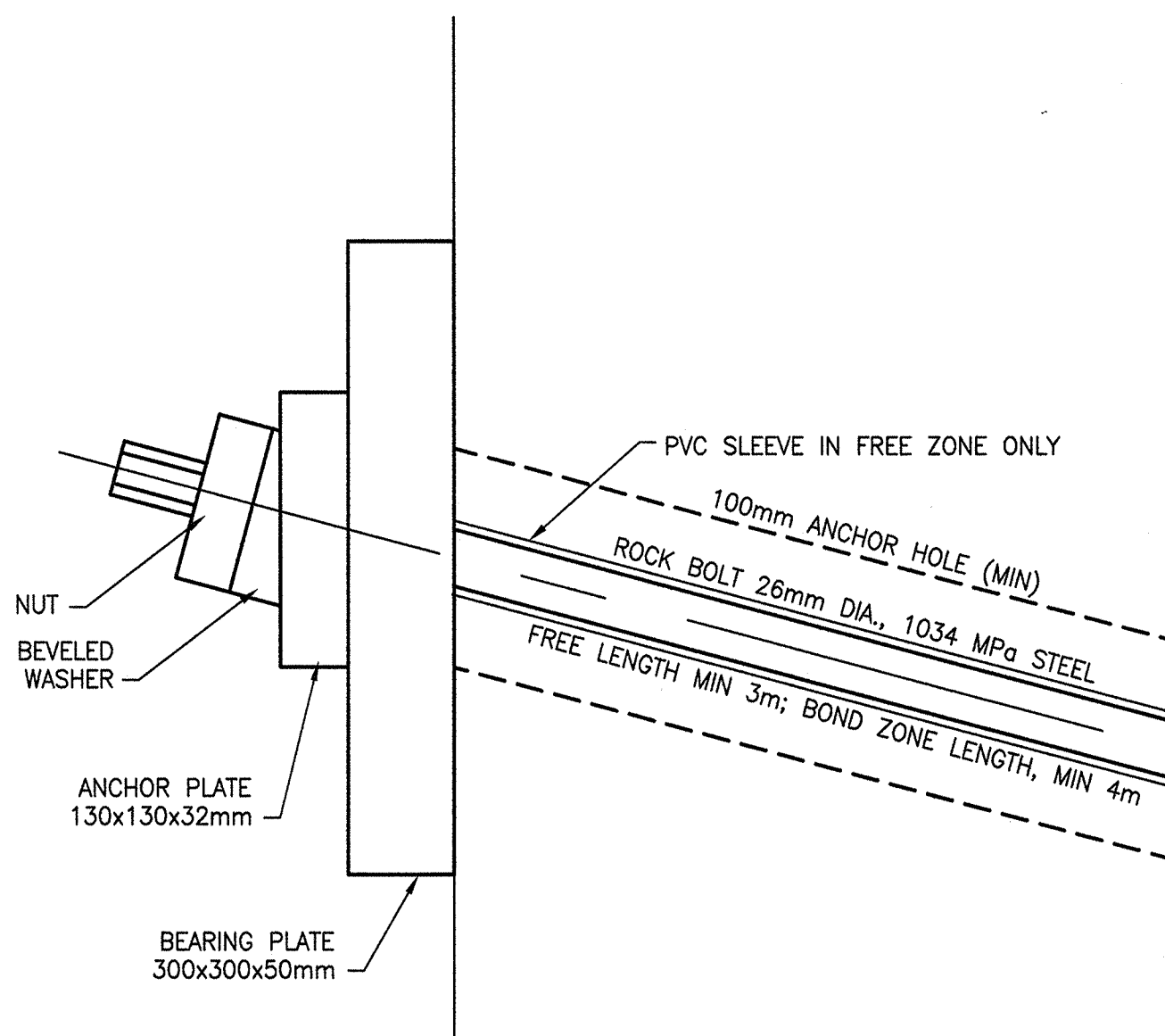
SCALE: 1:50

A 101



OVERVIEW OF SITE

SCALE: 1:400



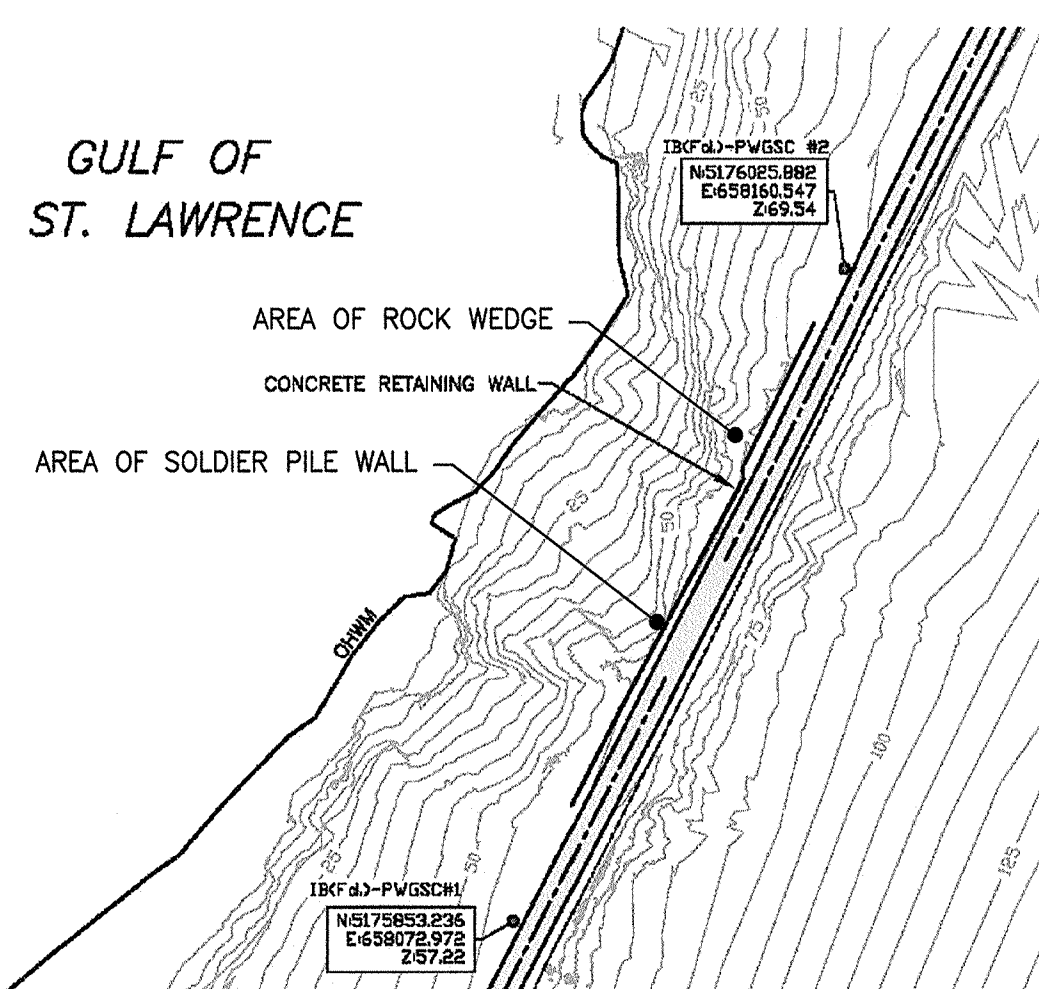
TYPICAL ANCHOR DETAIL

SCALE: 1:20

1 101



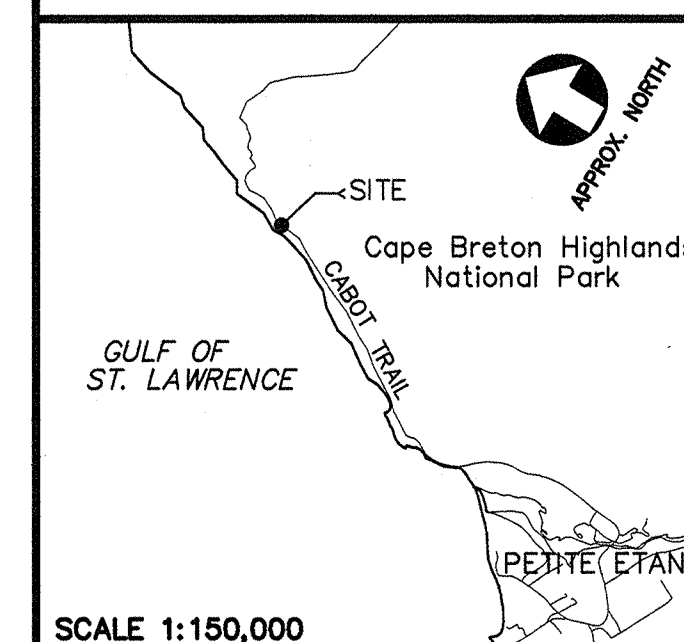
EXISTING CONDITIONS PHOTO AT BASE OF WALL



INSET SHOWING SURVEY CONTROL POINTS

TIE-BACK ANCHORS:

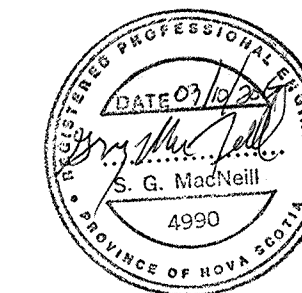
1. INSTALLATION OF ANCHORS SHALL BE CARRIED OUT IN ACCORDANCE WITH RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS BY THE POST-TENSIONING INSTITUTE (PTI), 2004.
2. ANCHOR HOLE DRILLING, ANCHOR INSTALLATION, GROUTING AND RELATED ACTIVITIES SHALL BE CARRIED OUT UNDER THE SUPERVISION OF AN EXPERIENCED GEOTECHNICAL PROFESSIONAL, PROVIDED BY THE CONTRACTOR AND APPROVED BY PWGSC.
3. ANCHORS SHALL BE 26mm DIAMETER, GRADE 1034 MPa ROCK ANCHOR, WITH ALL ACCESSORIES (CAPS, CENTRALIZERS, COUPLERS, BEARING PLATES, WEDGE WASHERS, NUTS, PVC PIPE, ETC.) REQUIRED TO COMPLETE THE WORK AS DETAILED AND TO THE MANUFACTURERS SPECIFICATIONS.
4. GROUT SHALL BE A NON-SHRINK GROUT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 35 MPa AT 3 DAYS; 50MPa AT 28 DAYS.
5. ANCHOR HOLE SHALL BE MINIMUM 100mm DIAMETER.
6. TEMPORARY CASING SHOULD BE PROVIDED AS REQUIRED TO STABILIZE DRILL HOLE SIDEWALLS.
7. ANCHOR HOLES SHALL BE GROUTED WITHIN 48 HOURS OF THE HOLE BEING DRILLED.
8. ANCHOR HOLE LOCATION AND DEPTH SHALL BE APPROVED BY A DEPARTMENTAL REPRESENTATIVE BEFORE ANCHOR INSTALLATION.
9. COUPLERS SHALL BE INSTALLED IN A MANNER WHICH WILL ENSURE THAT THEY CAN TRANSFER THE REQUIRED ANCHOR LOADS.
10. PVC SLEEVE IN FREE LENGTH SHALL BE SEALED AT TOP AND BOTTOM TO PREVENT ENTRY OF GROUT BETWEEN ANCHOR AND SLEEVE.
11. TESTING OF EACH ANCHOR SHALL BE CARRIED OUT BY AN EXPERIENCED GEOTECHNICAL PROFESSIONAL PROVIDED BY THE CONTRACTOR AND APPROVED BY PWGSC, IN ACCORDANCE WITH THE POST-TENSIONING INSTITUTE (PTI) METHOD FOR PROOF TESTING. THE DESIGN LOAD SHALL BE 340kN AND THE LOCK-OFF LOAD SHALL BE 360kN.



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| C | 100% REVIEW | 03/09/2015 |
| B | 99% REVIEW | 02/27/2015 |
| A | FOR REVIEW | 01/16/2015 |

project
CORNEY BROOK SITE STABILIZATION km 9.1
CAPE BRETON HIGHLANDS NATIONAL PARK, NS

drawing
RETAINING WALL ROCK FACE STABILIZATION

designed G. MacNEILL
date FEB 2015
drawn BSP
date FEB 2015
approved G. MacNEILL
date FEB 2015

project number
R.061630.001
drawing no.
101