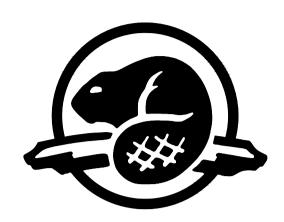


Government of Canada

Gouvernement du Canada



Parks Canada

Georgian Bay and **Ontario East Field Unit** **Parcs Canada**

Baie-Georgienne et Unité de terrain de l'est de l'Ontario



FORT WELLINGTON NATIONAL HISTORIC SITE EASTERN PALISADE REHABILITATION

PRESCOTT, ONTARIO

PROJECT NO. 1175

ISSUED FOR TENDER - June 18, 2021

DRAWING LIST

<u>CIVIL</u>

C01 EXISTING SITE PLAN

C02 SITE PLAN

STRUCTURAL

S01 PALISADES GENERAL NOTES AND SECTIONS

S02 PALISADES SECTIONS

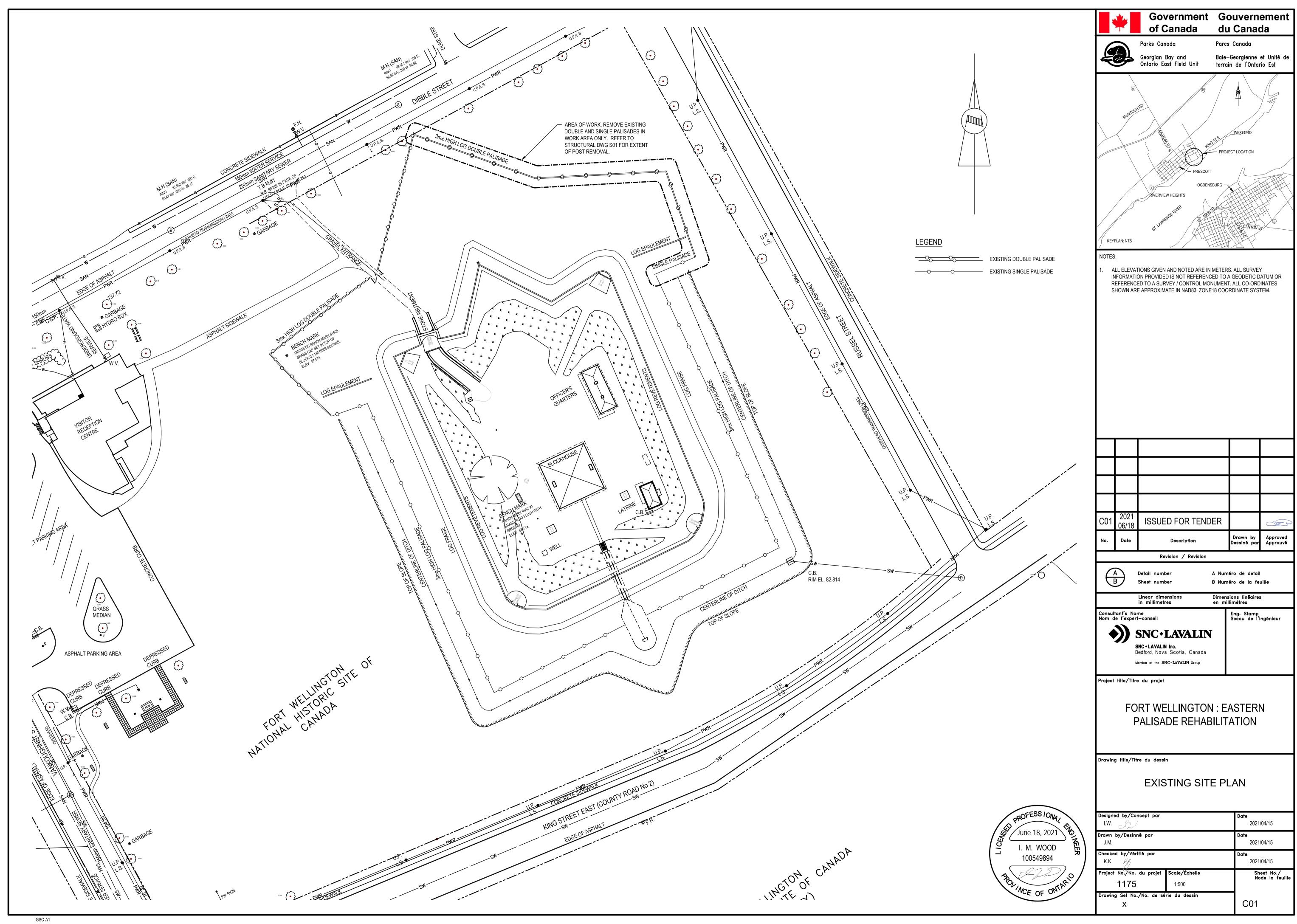
S03 PALISADE DETAILS AND SECTIONS

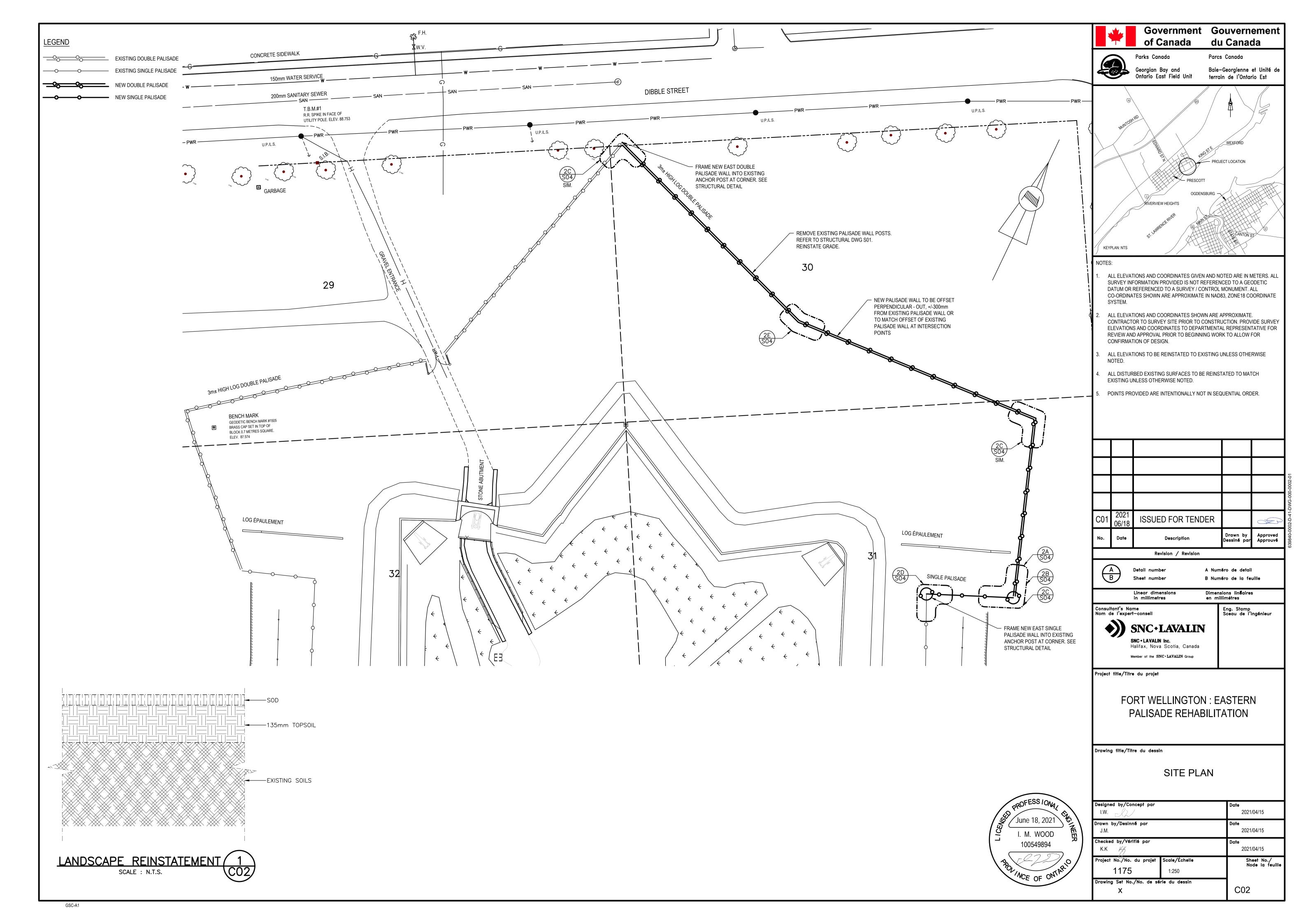
S04 PALISADE LAYOUTS, SECTIONS AND DETAILS

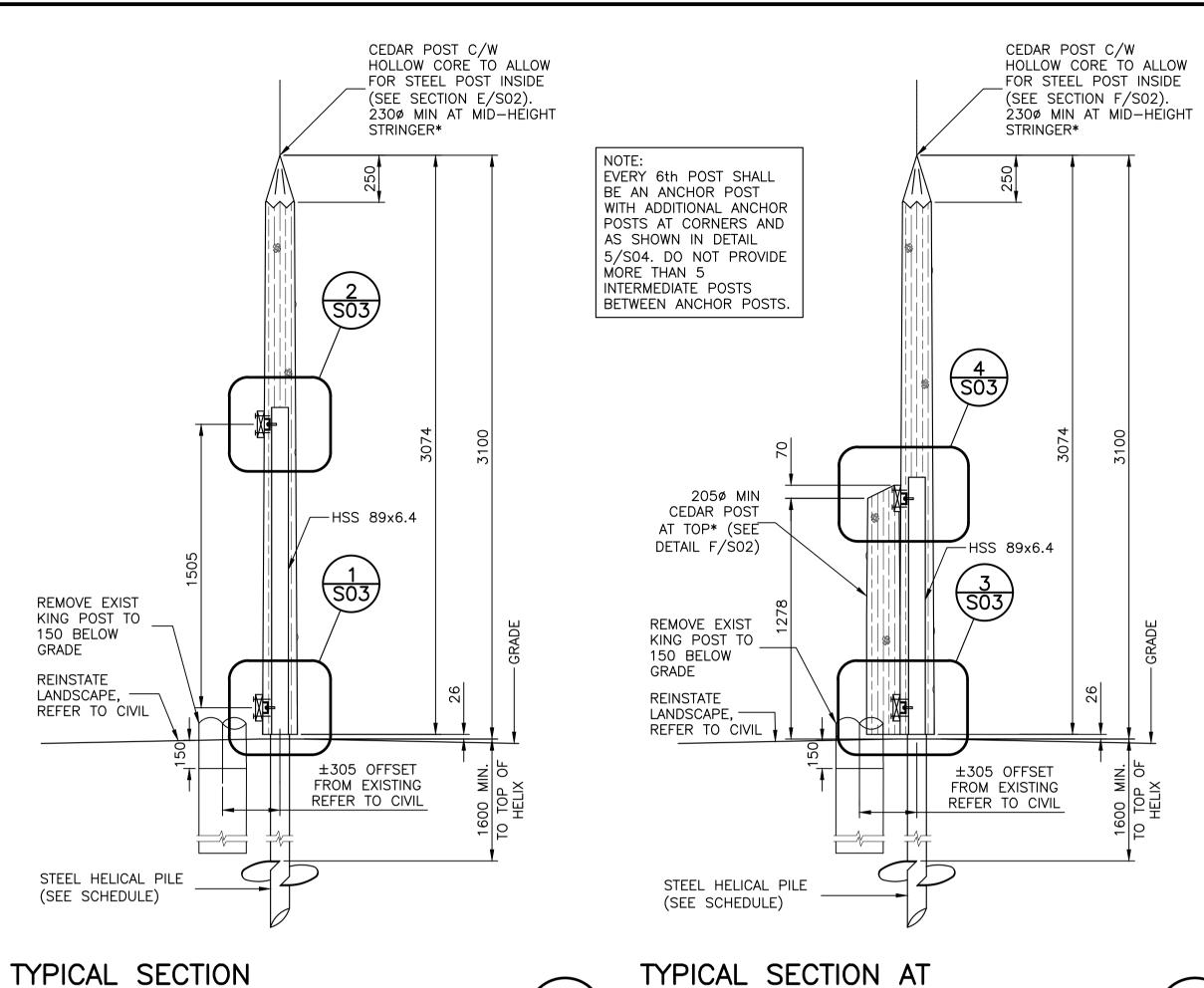


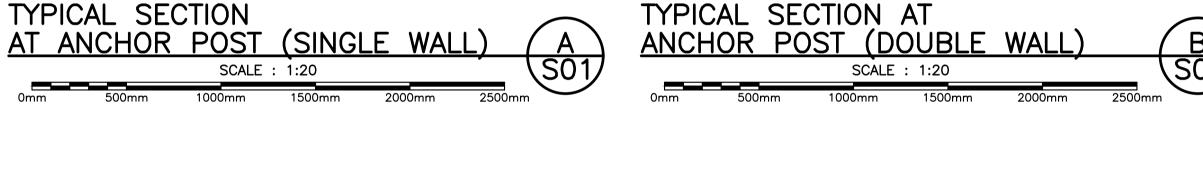


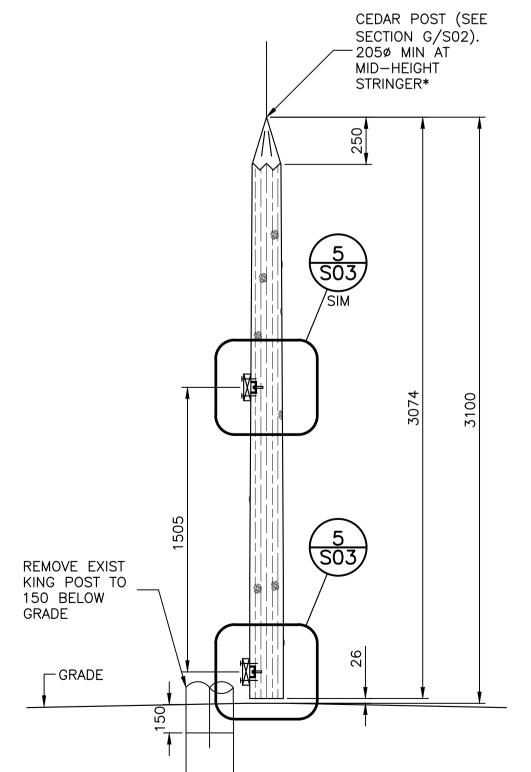
E-DRM/GDD-E:







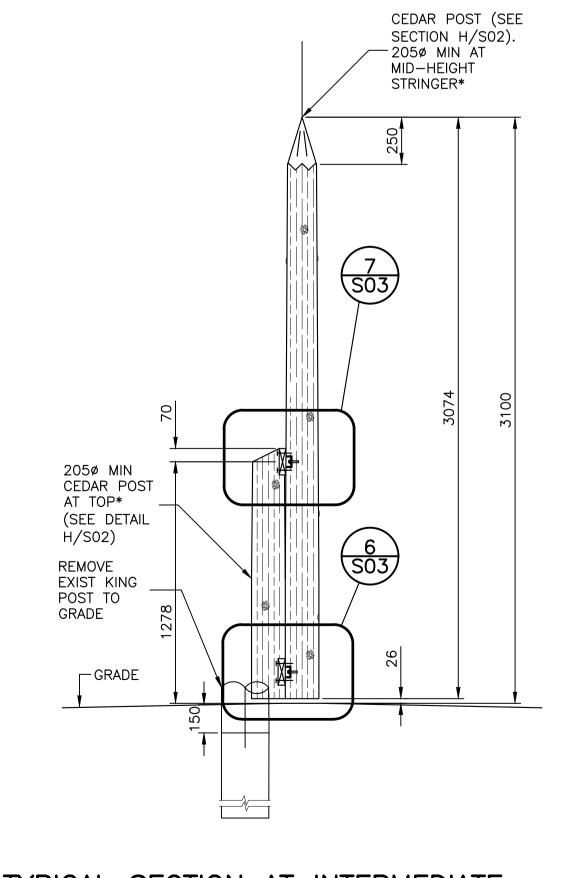




TYPICAL SECTION AT INTERMEDIATE POST (SINGLE WALL) C

SCALE : 1:20

SCALE : 1:20



HELICAL PILE SCHEDULE FACTORED BENDING MOMENT FACTORED DOWNWARD PILE TYPE AT GROUND LEVEL AXIAL LOAD 5 kN-m 5 kN

NOTES:

1. REFER TO GEOTECHNICAL REPORT IN SPECIFICATIONS FOR SOILS CONDITIONS AND BEDROCK LOCATION.

NOTE:

* REFER TO AVERAGE POST DIAMETERS IN SPECIFICATIONS.

STRUCTURAL NOTES

GENERAL

- 1. DESIGN AND CONSTRUCTION OF NEW STRUCTURE, AND EXISTING STRUCTURE AFFECTED BY MODIFICATIONS, CONFORMS TO STRUCTURAL REQUIREMENTS OF PART 4 OF NATIONAL BUILDING CODE OF CANADA (NBC) 2015. REMAINDER OF EXISTING STRUCTURE, WHERE NOT AFFECTED BY MODIFICATIONS, WAS NOT REVIEWED AND REMAINS RESPONSIBILITY OF OTHERS.
- 2. CARRY OUT WORK IN ACCORDANCE WITH ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT.
- 3. THE STRUCTURAL DRAWINGS ARE INTENDED TO WORK TOGETHER AND BE COMPLEMENTARY WITH PROJECT SPECIFICATIONS. CONSULT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 4. READ DRAWINGS IN CONJUNCTION WITH APPLICABLE DISCIPLINE DRAWINGS. CROSS REFERENCE ELEVATIONS, SLOPES AND DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS WITH CIVIL DRAWINGS. NOTIFY DEPARTMENTAL REPRESENTATIVE AND ENGINEER OF DISCREPANCIES PRIOR TO COMMENCING
- 5. REFER TO REVISION COLUMN FOR LIMITATIONS ON DRAWING USE. DO NOT CONSTRUCT FROM DRAWINGS UNLESS ISSUED "FOR CONSTRUCTION".
- 6. DO NOT SCALE OFF DRAWINGS. FOLLOW FIGURED DIMENSIONS ONLY.
- 7. LINEAR DIMENSIONS SHOWN ON DWGS ARE IN MILLIMETERS. COORDINATE WITH
- 8. VERIFY DIMENSIONS AND DETAILS IN FIELD AND REPORT DISCREPANCIES AND INCOMPATIBILITIES TO DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCING
- 9. CONTRACTOR IS RESPONSIBLE FOR SAFETY ASPECTS OF CONSTRUCTION AND INTEGRITY OF STRUCTURES DURING ERECTION INCLUDING, BUT NOT LIMITED TO, DESIGN AND CONSTRUCTION OF TEMPORARY SUPPORTS, BRACING, AND SHORING.
- 10. CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLETENESS AND COMPLIANCE WITH DRAWINGS, AND FOR CONFORMANCE WITH CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION PRIOR TO SUBMITTAL TO DEPARTMENTAL REPRESENTATIVE.
- 11. WHERE INDICATED, TRADES SHALL SUBMIT SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO PRIOR TO FABRICATION.
- 12. MARK-UP AND MAINTAIN A SET OF STRUCTURAL DRAWINGS WITH AS-BUILT DIMENSIONS AND DETAILS MODIFIED DURING CONSTRUCTION. PROVIDE COPIES TO DEPARTMENTAL REPRESENTATIVE IF REQUESTED.

DESIGN LOADS

DESIGN LOADS:

CLIMATIC DATA IS DERIVED FROM NBC 2015 APPENDIX C FOR PRESCOTT, ONTARIO. STRUCTURE IMPORTANCE CATEGORY: NORMAL

a) GROUND SNOW LOAD

 I_S : ULS = 1.0 SLS = 0.9 Ss = 2.2 kPa Sr = 0.4 kPa

b) WIND: (HOURLY WIND PRESSURE)

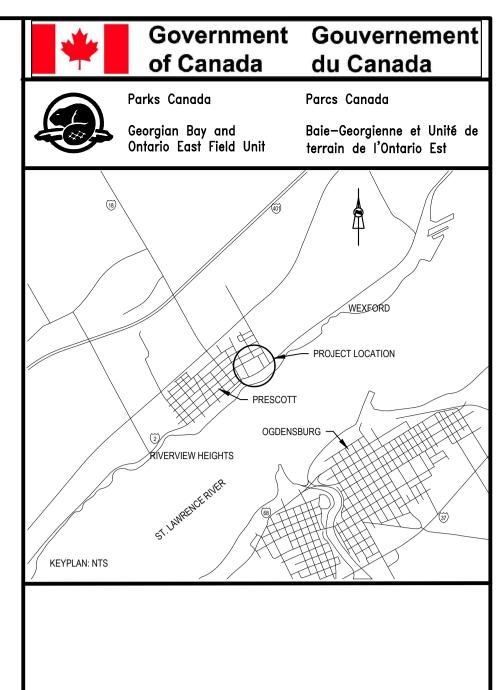
 I_W : ULS = 1.0 SLS = 0.75 $q_{1/50}$ = 0.44 kPa

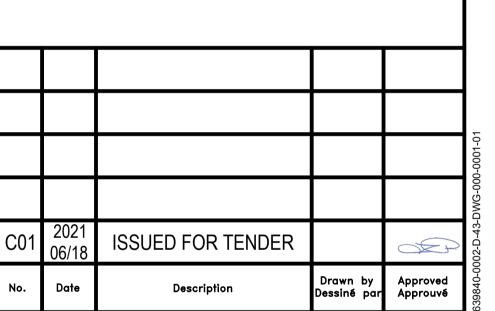
- 2. CONSTRUCTION LOADS SHALL NOT EXCEED SPECIFIED DESIGN LOADS.
- 3. ADDITIONAL LOADS AS REQUIRED FOR TEMPORARY CONSTRUCTION CONDITIONS TO BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN ONTARIO.
- 4. LOADS AND FORCES SHOWN ON DRAWINGS ARE UNFACTORED (SERVICE) LOADS U.N.O.

ABBREVIATIONS

INT. = INTERIOR

BOT	= BOTTOM	LG	= LONG
BTWN	= BETWEEN	MAX.	= MAXIMUM
C/L	= CENTRE LINE	MIN.	= MINIMUM
CONN.	= CONNECTION	N.T.S.	= NOT TO SCALE
CONT.	= CONTINUOUS	O.J.	= ON CENTER
COORD.	= COORDINATE	SCHED.	= SCHEDULE
C/W	= COMPLETE WITH	SIM.	= SIMILAR
DIA.	= DIAMETER	STRD	= STANDARD
DWG	= DRAWING	t	= THICKNESS
EA.	= EACH	T&B	= TOP AND BOTTOM
EQ	= EQUAL	THK =	THICK
E.S.	= EACH SIDE	T.O.	= TOP OF
E.W.	= EACH WAY	TYP.	= TYPICAL
EXT.	= EXTERIOR	U.N.G.	= UNLESS NOTED OTHERWISE
FOUND.	= FOUNDATION	U/S	= UNDERSIDE
GALV.	= GALVANIZED	VERT.	= VERTICAL
HORZ.	= HORIZONTAL	W/	= WITH
INCL.	= INCLUDING	W/O	= WITHOUT





18 June 2021

C. D. SEWELL

100501371

Detail number Sheet number

Linear dimensions

Bedford, Nova Scotia, Canada

Member of the SNC+LAVALIN Group

A Numéro de detail B Numéro de la feuille

Dimensions lineaires

en millimétres

Consultant's Name Nom de l'expert—conseil

Eng. Stamp Sceau de l'ingénieur ♦ SNC+LAVALIN SNC+LAVALIN Inc.

Revision / Revision

Project title/Titre du projet

FORT WELLINGTON: EASTERN PALISADE REHABILITATION

Drawing title/Titre du dessin

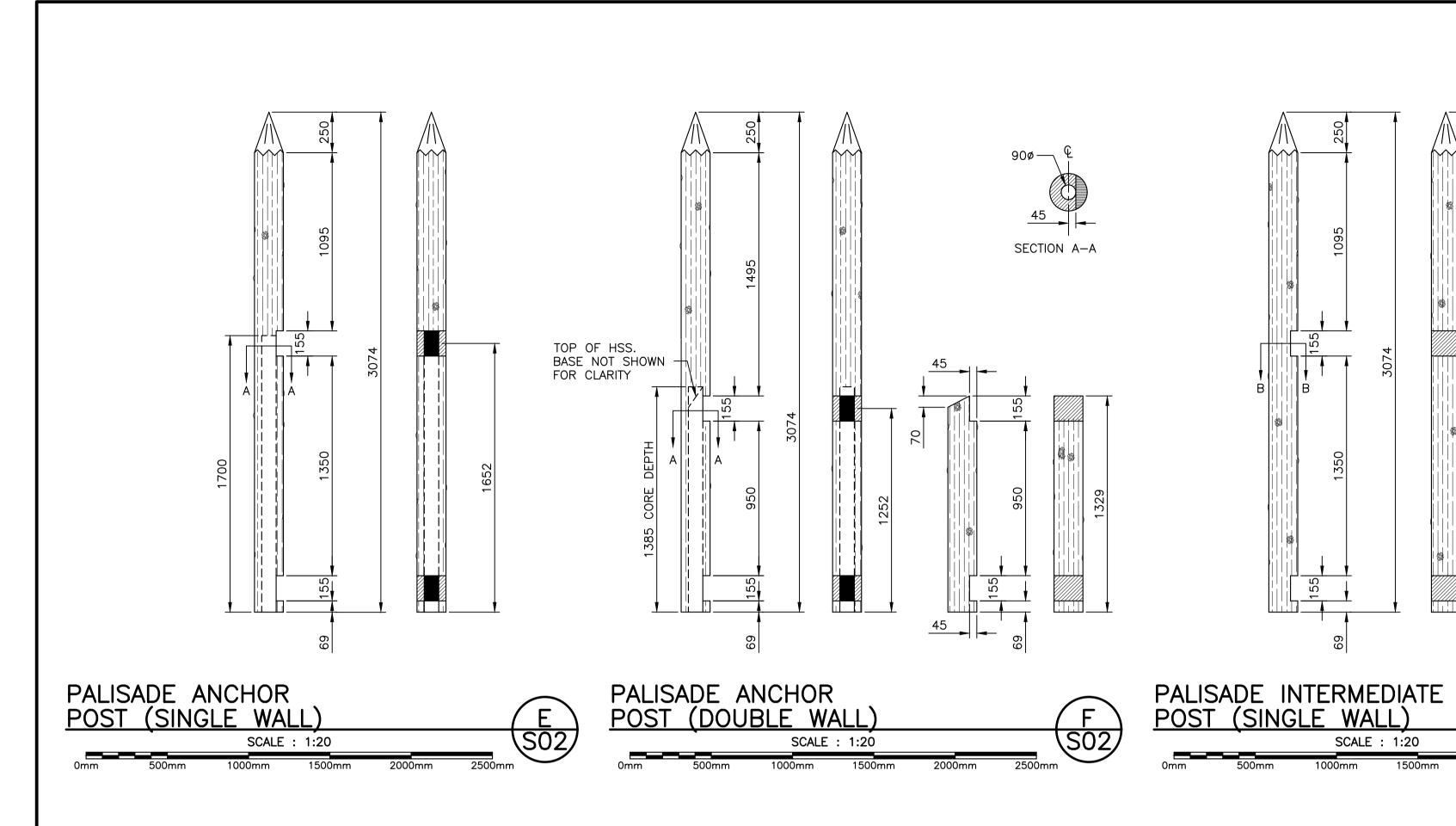
PALISADE GENERAL NOTES AND SECTIONS

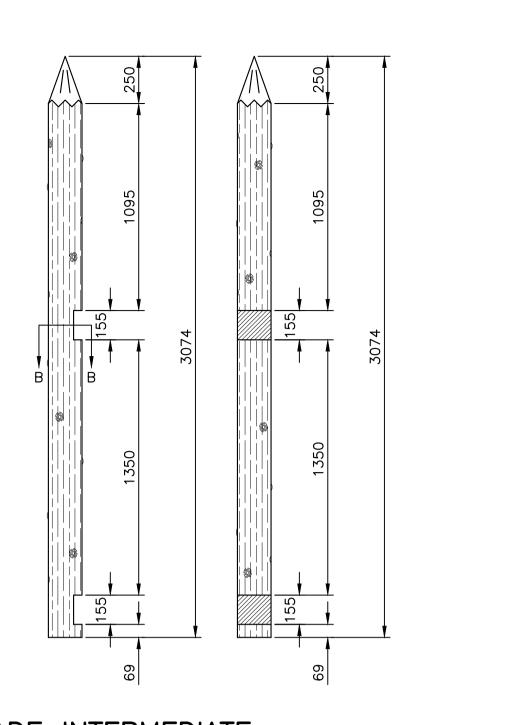
2021/04/15 Drawn by/Desinné par 2021/04/15 hecked by/Vérifié par 2021/04/15 Project No./No. du projet Drawing Set No./No. de série du dessin S01

GSC-A1

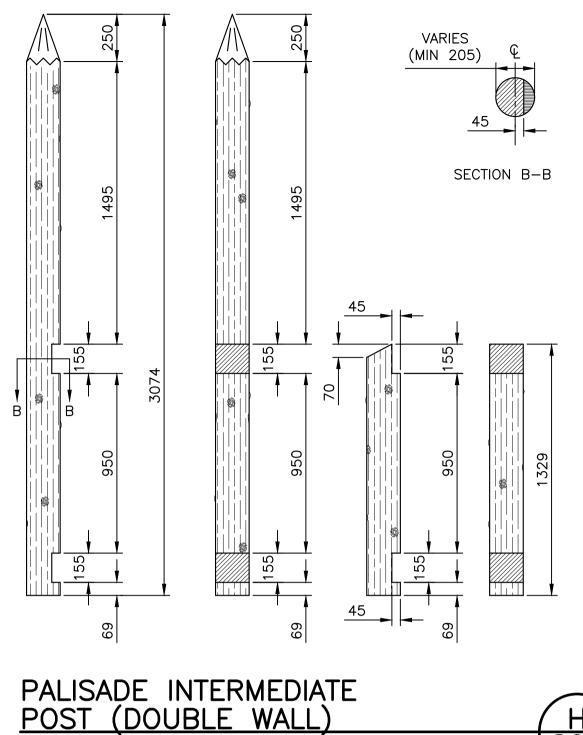
TYPICAL SECTION AT INTERMEDIATE POST (DOUBLE WALL) SCALE : 1:20

1500mm

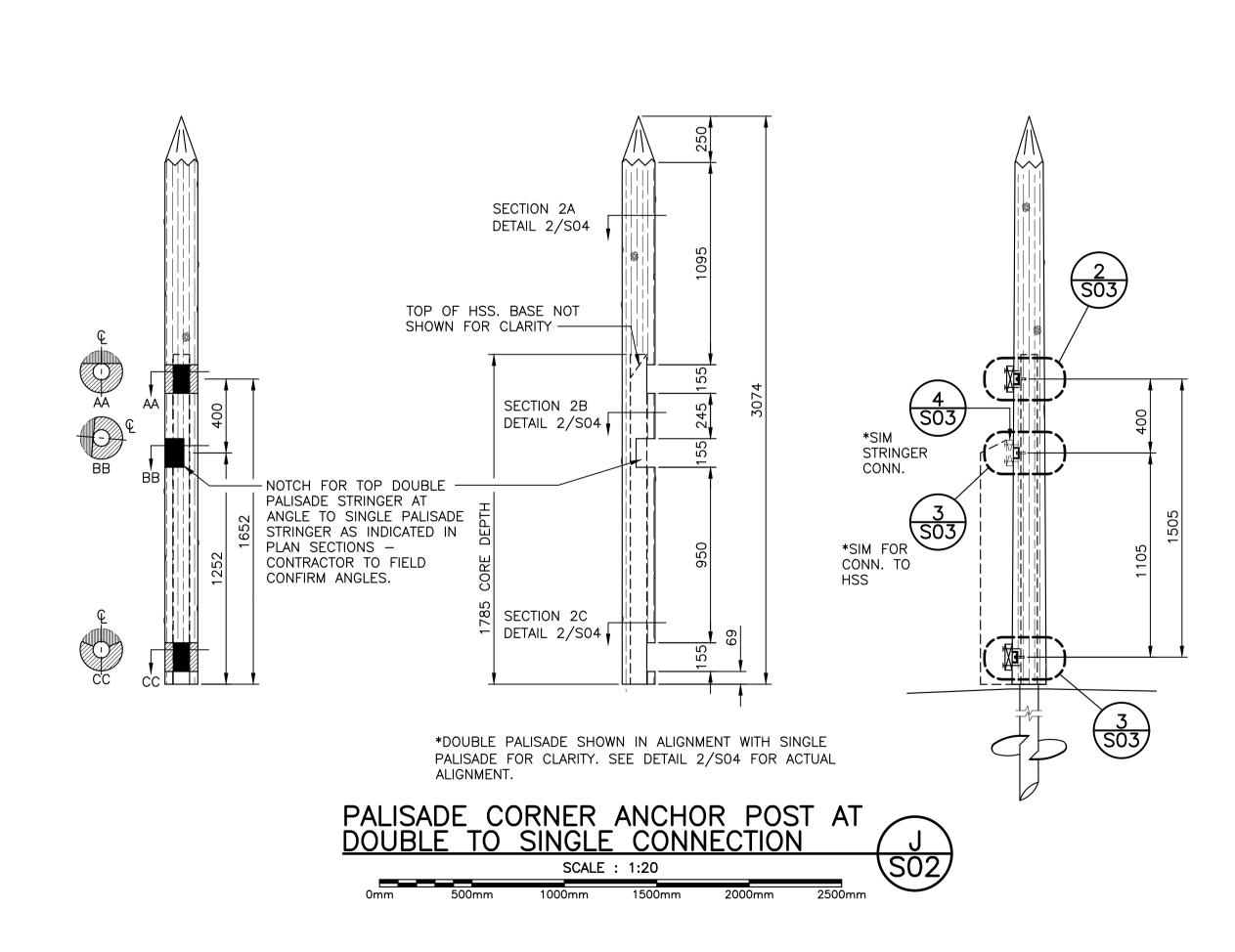


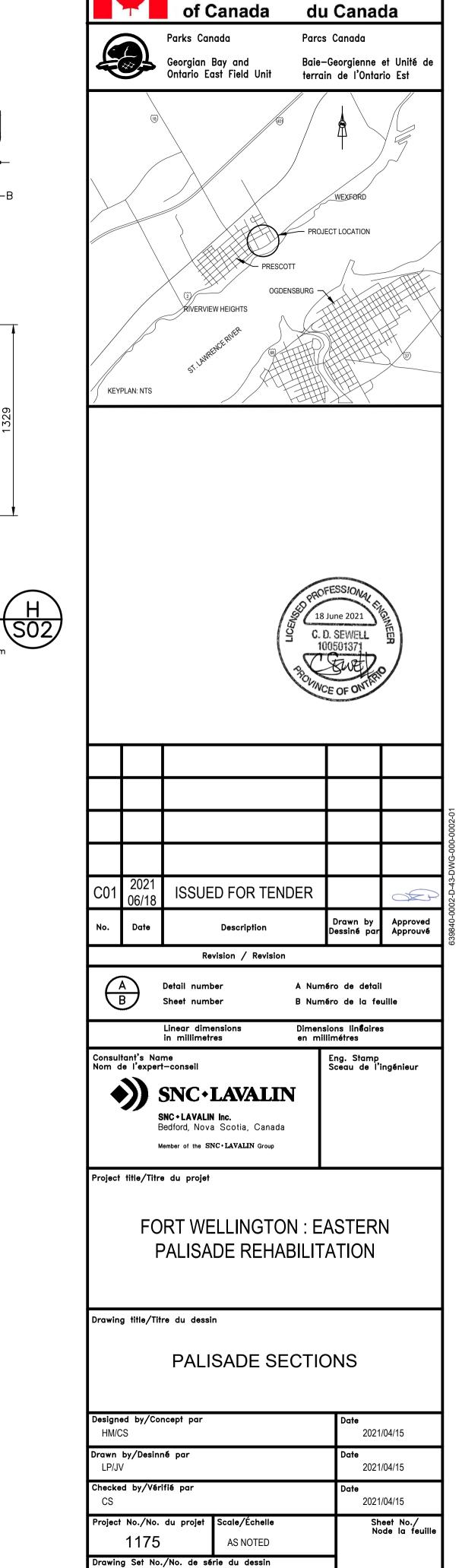


SCALE : 1:20



SCALE : 1:20





S02

Government Gouvernement

