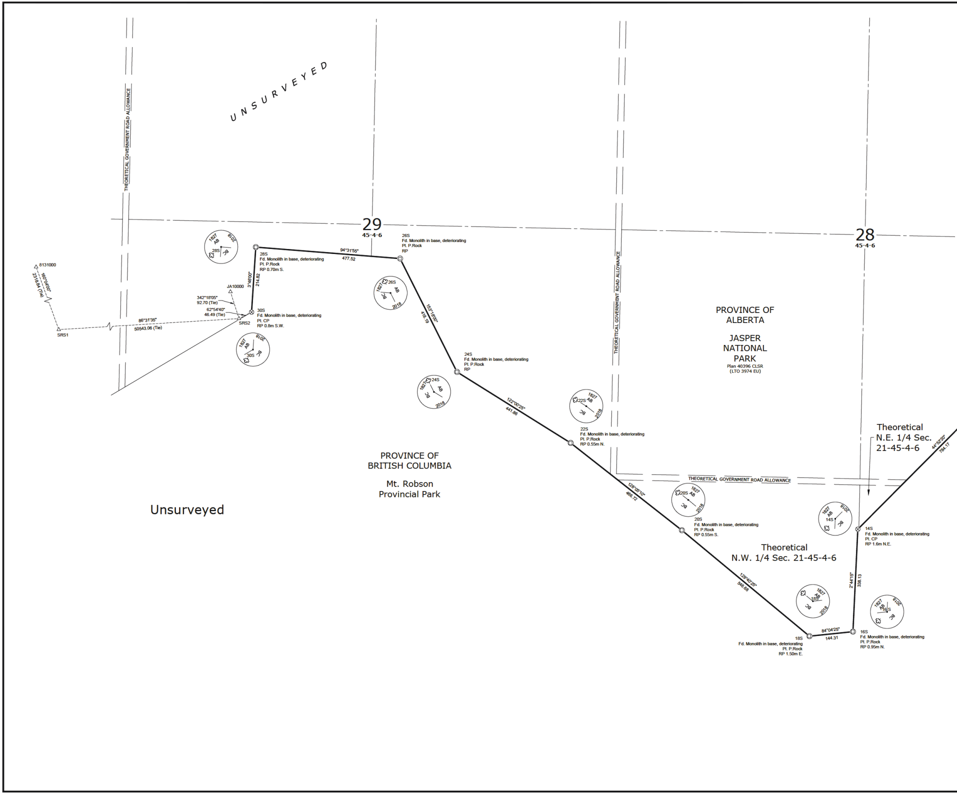
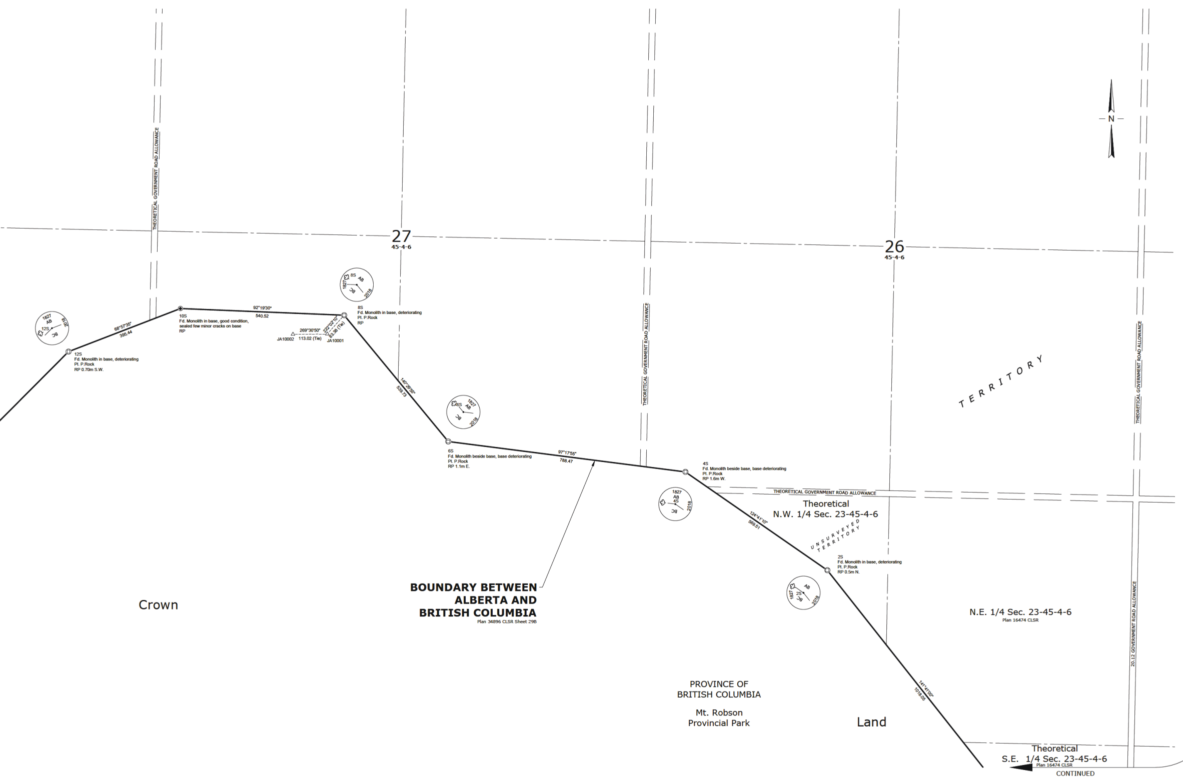
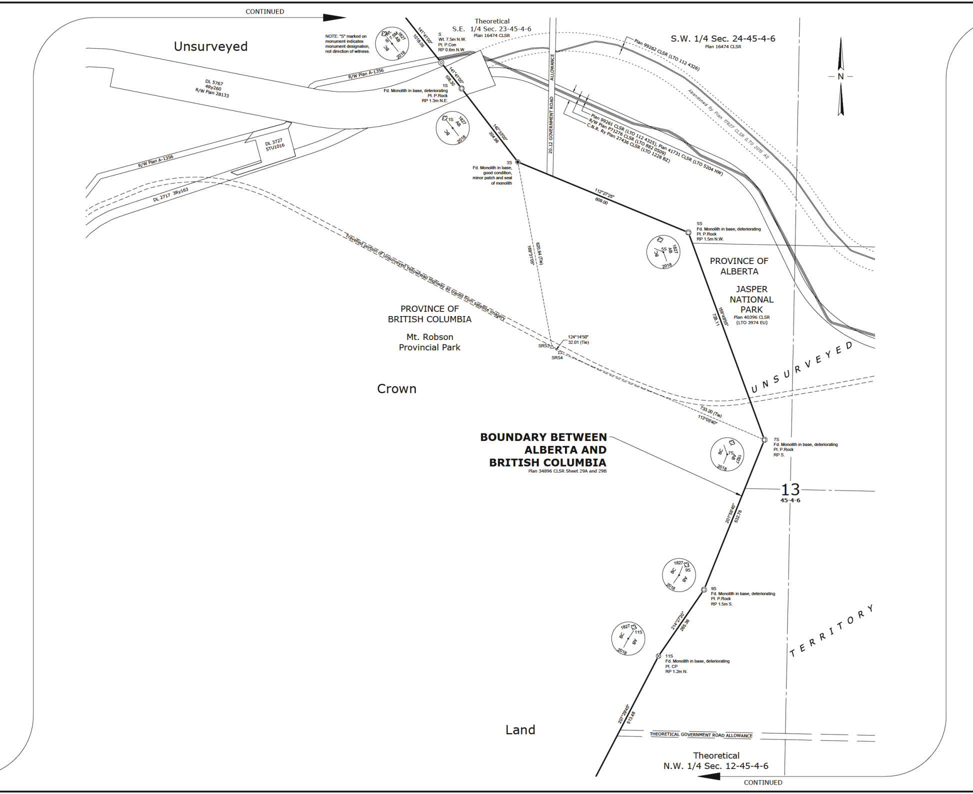
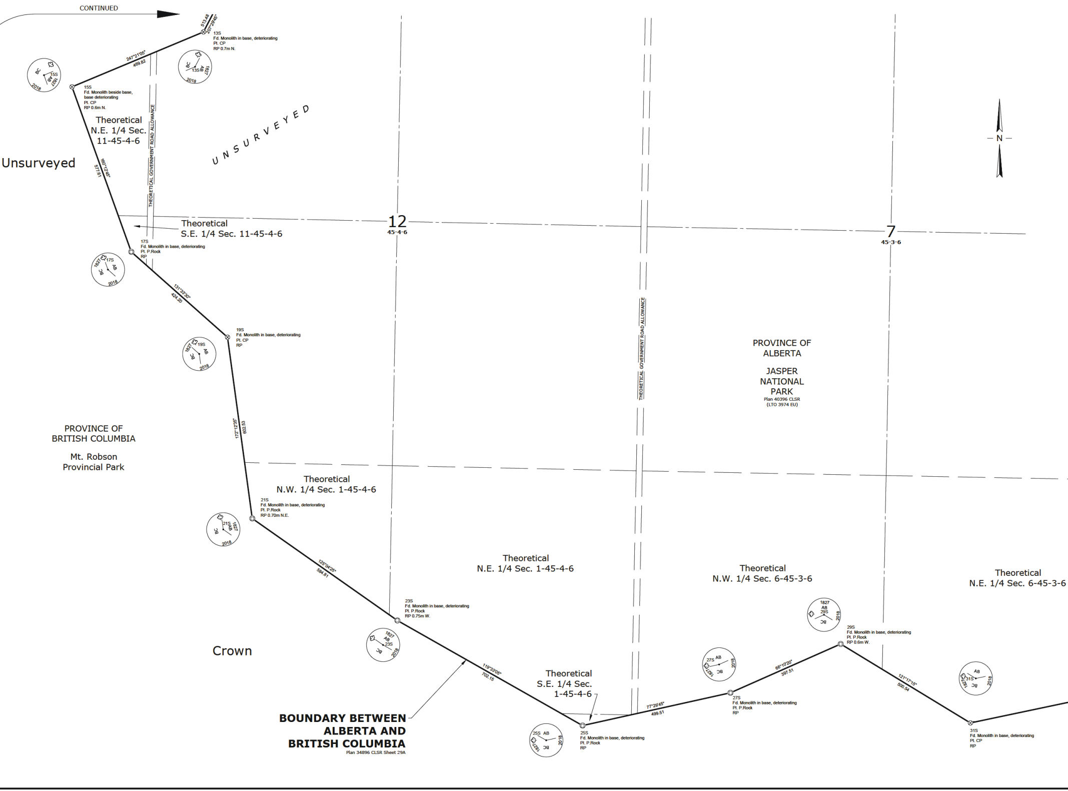
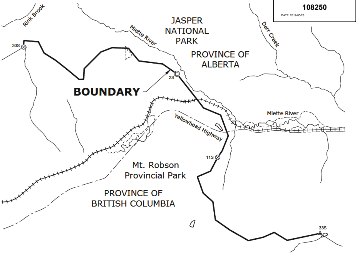

UNSURVEYED
THEORETICAL GOVERNMENT ROAD ALLOWANCE
29
45-4-6
28
45-4-6
8131000
160°04'00"
2318.84 (Tie)
SRS1
86°31'35"
50543.06 (Tie)
JA10000
342°18'05"
92.70 (Tie)
62°54'40"
46.49 (Tie)
SRS2
1827 AB 2018 28S BC
28S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.70m S.
3°46'00"
214.82
30S
Fd. Monolith in base, deteriorating
Pl. CP
RP 0.8m S.W.
1827 AB 2018 30S BC
94°31'55"
477.52
26S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
1827 26S AB BC 2018
153°18'00"
418.19
24S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
1827 24S AB BC 2018
122°00'25"
441.86
1827 22S AB BC 2018
22S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.55m N.
THEORETICAL GOVERNMENT ROAD ALLOWANCE
PROVINCE OF
ALBERTA
JASPER
NATIONAL
PARK
Plan 40396 CLSR
(LTO 3974 EU)
PROVINCE OF
BRITISH COLUMBIA
Mt. Robson
Provincial Park
Unsurveyed
THEORETICAL GOVERNMENT ROAD ALLOWANCE
128°05'10"
466.72
1827 20S AB BC 2018
20S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.55m S.
Theoretical
N.E. 1/4 Sec.
21-45-4-6
44°52'20"
784.17
1827 AB 2018 14S BC
14S
Fd. Monolith in base, deteriorating
Pl. CP
RP 1.6m N.E.
Theoretical
N.W. 1/4 Sec. 21-45-4-6
129°40'25"
546.68
1827 AB 18S BC 2018
2°44'15"
338.13
1827 AB 2018 16S BC
84°04'25"
144.31
18S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 1.50m E.
16S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.95m N.


N
THEORETICAL GOVERNMENT ROAD ALLOWANCE
27
45-4-6
26
45-4-6
THEORETICAL GOVERNMENT ROAD ALLOWANCE
THEORETICAL GOVERNMENT ROAD ALLOWANCE
1827
AB
12S
2018
BC
68°57'35"
395.44
12S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.70m S.W.
10S
Fd. Monolith in base, good condition,
sealed few minor cracks on base
RP
92°19'30"
540.52
1827
8S
AB
BC
2018
8S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
269°30'50"
113.02 (Tie)
JA10002
222°02'10"
83.38 (Tie)
JA10001
140°29'55"
539.73
6S
AB
1827
BC
2018
6S
Fd. Monolith beside base, base deteriorating
Pl. P.Rock
RP 1.1m E.
97°17'55"
788.47
4S
Fd. Monolith beside base, base deteriorating
Pl. P.Rock
RP 1.6m W.
1827
AB
4S
2018
BC
THEORETICAL GOVERNMENT ROAD ALLOWANCE
Theoretical
N.W. 1/4 Sec. 23-45-4-6
124°41'10"
569.51
UNSURVEYED
TERRITORY
TERRITORY
2S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.5m N.
AB
1827
2S
BC
2018
BOUNDARY BETWEEN
ALBERTA AND
BRITISH COLUMBIA
Plan 34896 CLSR Sheet 29B
Crown
PROVINCE OF
BRITISH COLUMBIA
Mt. Robson
Provincial Park
Land
141°41'00"
1018.05
N.E. 1/4 Sec. 23-45-4-6
Plan 16474 CLSR
20.12 GOVERNMENT ROAD ALLOWANCE
Theoretical
S.E. 1/4 Sec. 23-45-4-6
Plan 16474 CLSR
CONTINUED


CONTINUED
Unsurveyed
NOTE: "S" marked on monument indicates monument designation, not direction of witness.
Wt. 7.5M 1827 S AB BC 2018
141°41'00"
1018.05
S
Wt. 7.5m N.W.
Pl. P.Con
RP 0.6m N.W.
Theoretical
S.E. 1/4 Sec. 23-45-4-6
Plan 16474 CLSR
S.W. 1/4 Sec. 24-45-4-6
Plan 16474 CLSR
N
Plan 99262 CLSR (LTO 112 4326)
Abandoned Ry Plan 17627 CLSR (LTO 2015 AJ)
DL 5767
4Ry260
R/W Plan 28133
R/W Plan A-1356
141°41'00"
108.30
1S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 1.3m N.E.
1S 1827 AB BC 2018
142°33'00"
304.96
20.12 GOVERNMENT ROAD ALLOWANCE
Plan 99261 CLSR (LTO 112 4325), Plan 41731 CLSR (LTO 5204 HW)
R/W Plan P71276 CLSR (LTO 882 0509)
C.N.R. Ry Plan 27436 CLSR (LTO 1228 BZ)
DL 3727
5TU1016
R/W Plan A-1356
DL 2717 3Ry163
3S
Fd. Monolith in base, good condition, minor patch and seal of monolith
112°27'25"
609.00
5S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 1.5m N.W.
5S 1827 AB BC 2018
PROVINCE OF ALBERTA
JASPER NATIONAL PARK
Plan 40396 CLSR
(LTO 3974 EU)
159°49'55"
728.11
620.84 (Tie)
169°31'05"
Travelled portion of Unsurveyed Yellowhead Highway as traced from satellite imagery
PROVINCE OF BRITISH COLUMBIA
Mt. Robson Provincial Park
124°14'50"
32.01 (Tie)
SRS3
SRS4
UNSURVEYED
Crown
733.20 (Tie)
113°05'40"
7S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP S.
BC 7S AB 1827 2018
BOUNDARY BETWEEN ALBERTA AND BRITISH COLUMBIA
Plan 34896 CLSR Sheet 29A and 29B
13
45-4-6
201°58'45"
532.78
1827 9S BC AB 2018
9S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 1.5m S.
214°27'20"
265.36
1827 11S BC AB 2018
11S
Fd. Monolith in base, deteriorating
Pl. CP
RP 1.2m N.
TERRITORY
207°29'45"
513.48
THEORETICAL GOVERNMENT ROAD ALLOWANCE
Land
Theoretical
N.W. 1/4 Sec. 12-45-4-6
CONTINUED

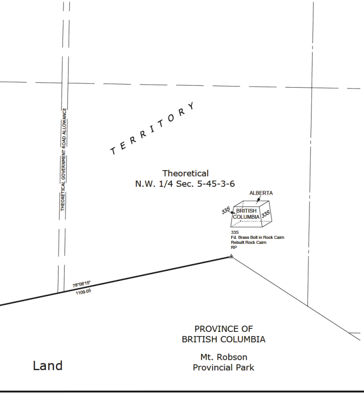

CONTINUED
513.48
207°29'45"
13S
Fd. Monolith in base, deteriorating
Pl. CP
RP 0.7m N.
247°21'05"
469.82
15S
Fd. Monolith beside base,
base deteriorating
Pl. CP
RP 0.6m N.
Theoretical
N.E. 1/4 Sec.
11-45-4-6
Unsurveyed
U N S U R V E Y E D
THEORETICAL GOVERNMENT ROAD ALLOWANCE
160°12'45"
577.61
Theoretical
S.E. 1/4 Sec. 11-45-4-6
12
45-4-6
7
45-3-6
N
17S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
131°33'30"
424.20
19S
Fd. Monolith in base, deteriorating
Pl. CP
RP
172°12'35"
602.53
PROVINCE OF
ALBERTA
JASPER
NATIONAL
PARK
Plan 40396 CLSR
(LTO 3974 EU)
THEORETICAL GOVERNMENT ROAD ALLOWANCE
PROVINCE OF
BRITISH COLUMBIA
Mt. Robson
Provincial Park
Theoretical
N.W. 1/4 Sec. 1-45-4-6
21S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.70m N.E.
125°04'25"
584.81
Theoretical
N.E. 1/4 Sec. 1-45-4-6
Theoretical
N.W. 1/4 Sec. 6-45-3-6
Theoretical
N.E. 1/4 Sec. 6-45-3-6
23S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.75m W.
Crown
119°33'05"
702.15
Theoretical
S.E. 1/4 Sec.
1-45-4-6
77°29'45"
499.51
27S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
66°10'20"
397.51
29S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP 0.6m W.
121°17'15"
500.54
25S
Fd. Monolith in base, deteriorating
Pl. P.Rock
RP
31S
Fd. Monolith in base, deteriorating
Pl. CP
RP
BC AB 1827 2018 13S
BC AB 1827 2018 15S
BC AB 1827 2018 17S
BC AB 1827 2018 19S
BC AB 1827 2018 21S
BC AB 1827 2018 23S
BC AB 1827 2018 25S
BC AB 1827 2018 27S
BC AB 1827 2018 29S
BC AB 1827 2018 31S
BOUNDARY BETWEEN
ALBERTA AND
BRITISH COLUMBIA
Plan 34896 CLSR Sheet 29A

CANADA LANDS SURVEYS RECORDS
ARCHIVES D'ARPENTAGE DES TERRES DU CANADA
**108250**
DATE: 2019-05-28


Rink Brook
JASPER
NATIONAL
PARK
Miette River
Derr Creek
PROVINCE OF
ALBERTA
30S
2S
BOUNDARY
Yellowhead Highway
Miette River
11S
Mt. Robson
Provincial Park
PROVINCE OF
BRITISH COLUMBIA
33S

**KEY PLAN**

0m 500 1000 1500 2000 2500
SCALE 1:50000


THEORETICAL GOVERNMENT ROAD ALLOWANCE
TERRITORY
Theoretical
N.W. 1/4 Sec. 5-45-3-6
ALBERTA
33S
BRITISH
COLUMBIA
33S
33S
Fd. Brass Bolt in Rock Cairn
Rebuilt Rock Cairn
RP
78°08'15"
1109.05
PROVINCE OF
BRITISH COLUMBIA
Mt. Robson
Provincial Park
Land

# PLAN OF FIELD NOTES OF SURVEY OF RESTORATION OF SURVEY MONUMENTS S, 1S TO 31S INCLUSIVE AND 33S, OF THE ALBERTA-BRITISH COLUMBIA BOUNDARY AT YELLOWHEAD PASS

SECTION 23 & 24 TOWNSHIP 45 RANGE 4 WEST OF THE 6TH MERIDIAN,
THEORETICAL SECTION 5 & 6 TOWNSHIP 45 RANGE 3 WEST OF THE 6TH MERIDIAN,
THEORETICAL SECTION 1, 11, 12, 13, 21, 26, 27, 28 & 29 TOWNSHIP 45 RANGE 4
WEST OF THE 6TH MERIDIAN, BCGS 83D.088 and 83D.098

**SCALE 1:5000**

0 100 200 300 400 500 Metres

The intended plot size of this plan is 3022.6mm in width by 560mm in height when plotted at a scale of 1:5000

## LEGEND

Iron spike placed shown as thus: △
Standard concrete post placed shown as thus: ◎
Standard rock post placed shown as thus: ▢
Standard capped post placed shown as thus: ⊗
AB-BC boundary monuments (Concrete Monolith) found shown as thus: ◈
AB-BC boundary monuments (Brass Bolt and Cairn) found shown as thus: ⚠
Jurisdictional boundary dealt with by this plan shown as thus: ━━━━
Tie lines shown as thus: - - - - - - -
Railway center line shown as thus: ┼┼┼┼┼┼

## NOTES

The UTM coordinates and estimated horizontal positional accuracy achieved are derived from Precise Point Positioning service provided by Natural Resources Canada.

This plan shows horizontal ground level distances in metres and decimals thereof, unless otherwise specified. To compute grid distances, multiply ground level distances by the average combined scale factor of 0.999416. The average combined scale factor has been determined based on the average of the combined scale factors of the monuments restored.

Bearings are Grid and derived from GNSS observations and are referred to the Central Meridian of UTM Zone 11.

CGVD28 elevations derived from ellipsoidal heights using the HTv2.0 height transformation grid from Natural Resources Canada.

The boundary cap diagrams abbreviate AB and BC, however the markers in the field are physically stamped with the full words: Alberta/British Columbia.

Surveyed under the instructions of the Alberta-British Columbia Boundary Commission.

I, David Young, a Canada Land Surveyor, certify that this plan is true and correct to the best of my knowledge. The survey was completed between August 13th & 26th, 2018.

David Young
David Young, A.L.S., C.L.S., P.Eng.

Certified Correct

Young, DavidM
Digitally signed by Young, DavidM
Date: 2019.03.18 09:44:07 -06'00'

David M. Young
Comm. No.1827

## ABBREVIATIONS

AB - Alberta
A.L.S. - Alberta Land Surveyor
BC - British Columbia
CGVD28 - Canadian Geodetic Vertical Datum of 1928
C.L.S. - Canada Land Surveyor
CLSR - Canada Lands Survey Records
CP - Standard Capped Post
DL - District Lot
Fd. - Found
GNSS - Global Navigation Satellite System
L.S. - Legal Subdivision
LTO - Alberta Land Title Office
m - Metre
NAD83 (CSRS) - North American Datum 1983 (Canadian Spatial Reference System)
P.Con - Standard Concrete Post
P.Rock - Standard Rock Post
Pl. - Placed
RP - Reference Post
R/W - Right of way
Ry - Railway
Sec. - Section
TU - Tube
UTM - Universal Transverse Mercator
Wt. - Witness

## UTM ZONE 11 NAD 83 (CSRS) EPOCH 2002 COORDINATE TABLE

| Monument | Northing (m) | Easting (m) | Elevation (m) Vertical Datum CGVD28 | Combined Scale Factor |
|---|---|---|---|---|
| 1S | 5861154.932 | 401517.088 | 1155.52 | 0.999540 |
| 2S | 5862038.142 | 400819.146 | 1336.70 | 0.999514 |
| 3S | 5860912.975 | 401702.417 | 1227.48 | 0.999529 |
| 4S | 5862362.050 | 400351.121 | 1415.11 | 0.999503 |
| 5S | 5860680.485 | 402264.905 | 1217.42 | 0.999529 |
| 6S | 5862462.167 | 399569.499 | 1467.22 | 0.999496 |
| 7S | 5859997.420 | 402515.789 | 1208.44 | 0.999530 |
| 8S | 5862878.386 | 399226.383 | 1452.17 | 0.999500 |
| 9S | 5859503.654 | 402316.503 | 1332.17 | 0.999511 |
| 10S | 5862900.306 | 398686.619 | 1497.17 | 0.999494 |
| 11S | 5859284.972 | 402166.460 | 1355.85 | 0.999507 |
| 12S | 5862758.418 | 398317.758 | 1606.43 | 0.999478 |
| 13S | 5858829.752 | 401929.535 | 1590.71 | 0.999471 |
| 14S | 5862203.017 | 397764.820 | 1859.12 | 0.999440 |
| 15S | 5858648.944 | 401496.201 | 1620.56 | 0.999468 |
| 16S | 5861865.467 | 397748.683 | 1892.79 | 0.999434 |
| 17S | 5858105.759 | 401691.623 | 1708.78 | 0.999453 |
| 18S | 5861850.575 | 397605.233 | 1902.52 | 0.999433 |
| 19S | 5857824.516 | 402008.854 | 1757.40 | 0.999445 |
| 20S | 5862199.384 | 397184.703 | 1877.81 | 0.999438 |
| 21S | 5857227.892 | 402090.479 | 1915.57 | 0.999420 |
| 22S | 5862487.113 | 396817.571 | 1886.44 | 0.999438 |
| 23S | 5856892.042 | 402568.818 | 1926.35 | 0.999417 |
| 24S | 5862721.170 | 396443.103 | 1943.73 | 0.999430 |
| 25S | 5856545.946 | 403179.271 | 1891.65 | 0.999421 |
| 26S | 5863094.547 | 396255.312 | 1926.35 | 0.999433 |
| 27S | 5856654.031 | 403666.644 | 1935.15 | 0.999413 |
| 28S | 5863132.251 | 395779.565 | 1862.05 | 0.999444 |
| 29S | 5856814.524 | 404030.060 | 1967.98 | 0.999407 |
| 30S | 5862918.020 | 395765.462 | 1843.74 | 0.999447 |
| 31S | 5856554.724 | 404457.556 | 1976.42 | 0.999405 |
| 33S | 5856782.571 | 405542.289 | 2086.76 | 0.999385 |
| S Wt. | 5861239.867 | 401449.989 | 1137.79 | 0.999543 |
| SRS1 | 5859836.209 | 345303.363 | 786.79 | 0.999773 |
| SRS2 | 5862896.861 | 395724.095 | 1841.69 | 0.999447 |
| SRS3 | 5860302.853 | 401815.300 | 1143.03 | 0.999542 |
| SRS4 | 5860284.851 | 401841.742 | 1142.96 | 0.999542 |
| 8131000 | 5862014.841 | 344513.249 | 799.22 | 0.999774 |
| JA10000 | 5862985.121 | 395695.930 | 1839.97 | 0.999448 |
| JA10001 | 5862816.485 | 399170.601 | 1442.23 | 0.999501 |
| JA10002 | 5862815.527 | 399057.654 | 1443.03 | 0.999501 |

| | | | | |
|---|---|---|---|---|
| | | | | |
| | | | | |
| 0 | Original Plan Issued | November 14, 2018 | RLS | DMY/TP |
| **No.** | **REVISION DESCRIPTION** | **DATE** | **BY** | **Chk'd** |

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Job No.: 180109
Sheet No.: 1 of 1
REV. 0
PC: IMM/JAA/SRS - DR: RLS - CK: DMY/TP
Dwg Name: 180109-MONUMENT-R0

SGB Project No.: 201806041