



Parks Canada Agency
Northern Ontario Field Unit

Agence Parcs Canada
Unité du Nord de l'Ontario

Road Reconstruction Project

Project No.: 00791

Pukaskwa National Park

Heron Bay Ontario

Canada

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C-47 TO C-50 TYPICAL SECTIONS & DETAILS

ELECTRICAL

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LANDSCAPE

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PARSONS

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Parsons Job No.: 602965

www.parsons.com

PCA Contract No.: PUK-5P301-15-0001/004

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Key Plan

Legend

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Eng. Stamp / Sceau de l'ingénieur 	

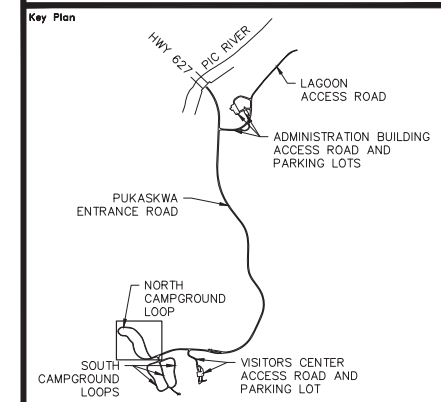
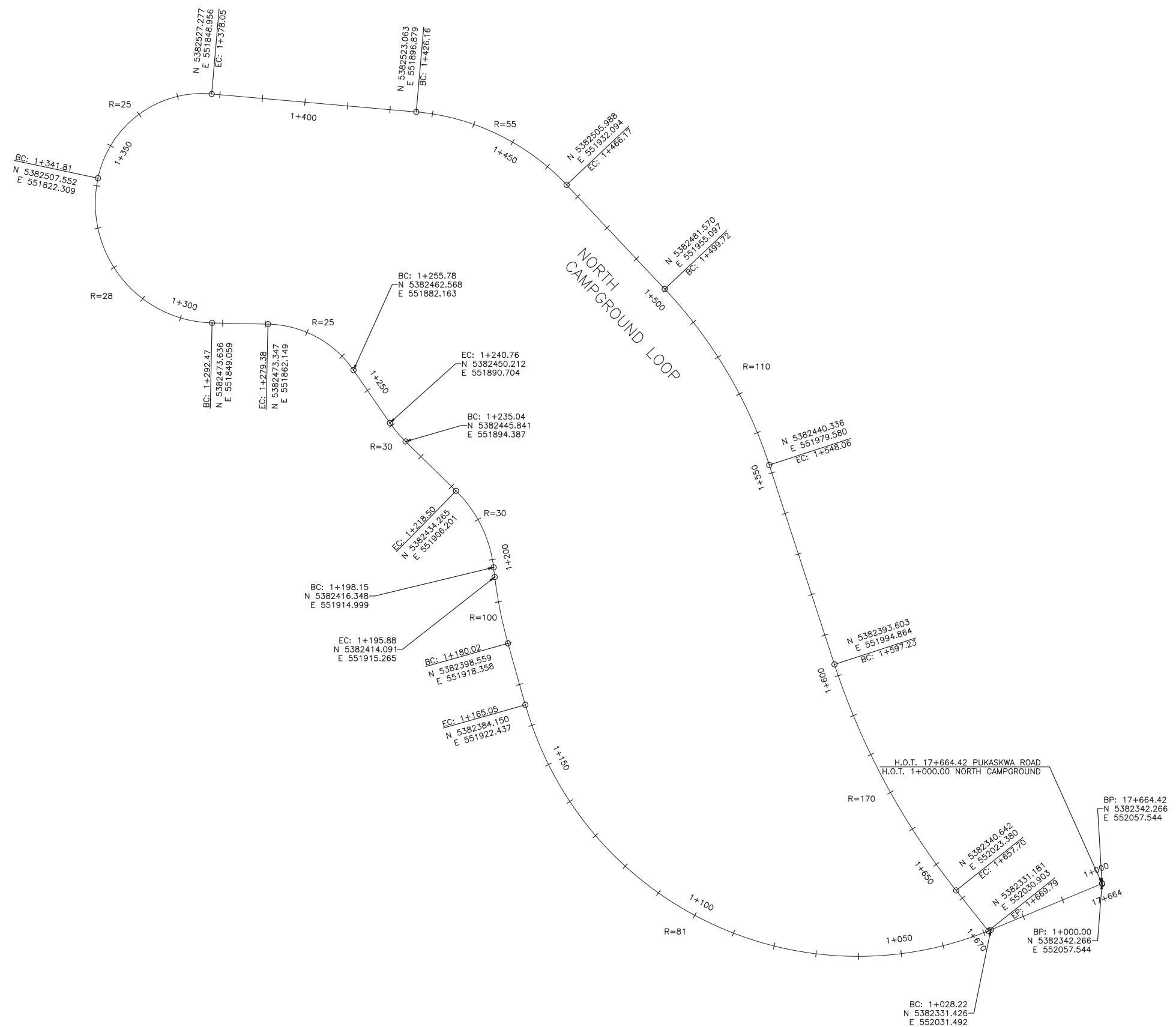
Project title / Titre du projet

Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin

DRAWING INDEX

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Drawn by / Dessiné par PO	Date 16/12/23
Checked by / Vérifié par JW	Date 16/12/23
Approved by / Approuvé par JW	Date 16/12/23
Project No. / No du projet 00791	Scale / Échelle 1:1000
Drawing Set No. / No de série du dessin 2/2	
Sheet No. / N ^o de la feuille G-2	



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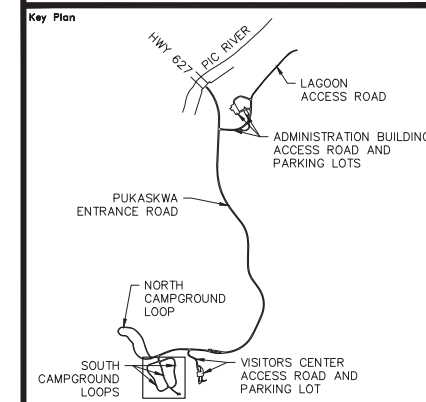
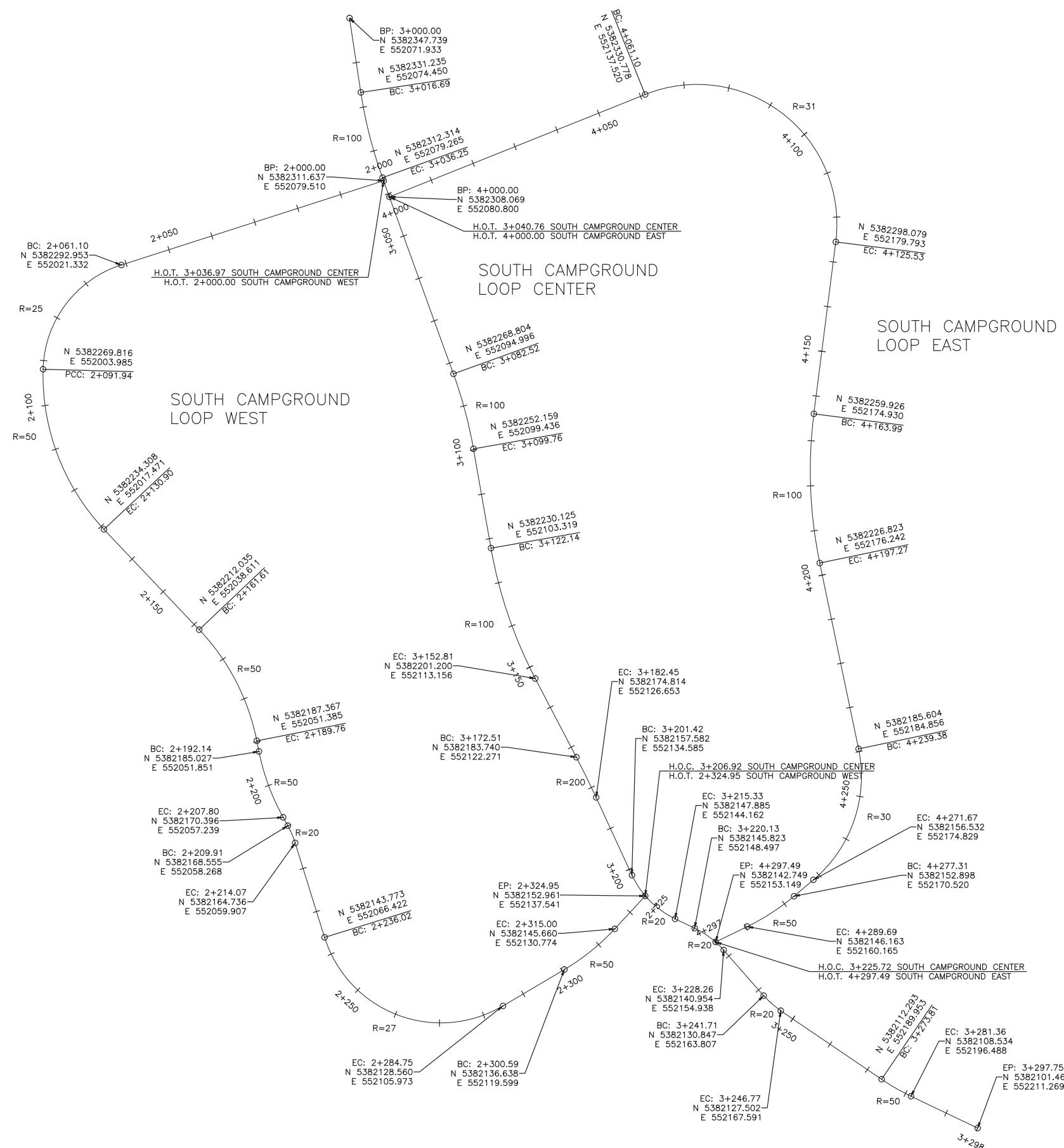
Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
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Eng. Stamp / Sceau de l'ingénieur
J.E. WIERZOREK
08/22/17
PROFESSIONAL ENGINEER OF ONTARIO

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
ALIGNMENTS
NORTH CAMPGROUND LOOP

Designed by / Concept par	PO	Date	16/12/23
Drawn by / Dessiné par	PO	Date	16/12/23
Checked by / Vérifié par	JW	Date	16/12/23
Approved by / Approuvé par	JW	Date	16/12/23
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-1



Key Plan

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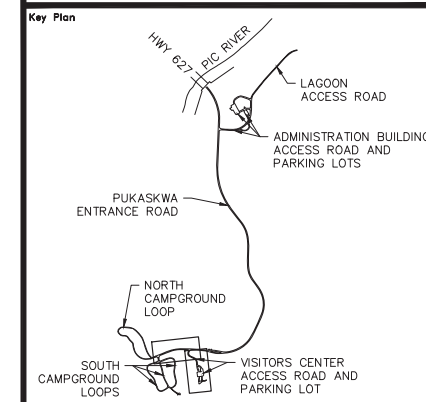
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Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
ALIGNMENTS
SOUTH CAMPGROUND LOOPS

Designed by/Concepté par	PO	Date	16/12/23
Drawn by/Designé par	PO	Date	16/12/23
Checked by/Vérifié par	JW	Date	16/12/23
Approved by/Approuvé par	JW	Date	16/12/23
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Drawing Set No./No de série du dessin			Sheet No./ N° de la feuille C-2



Legend

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Linear dimensions
in millimetres

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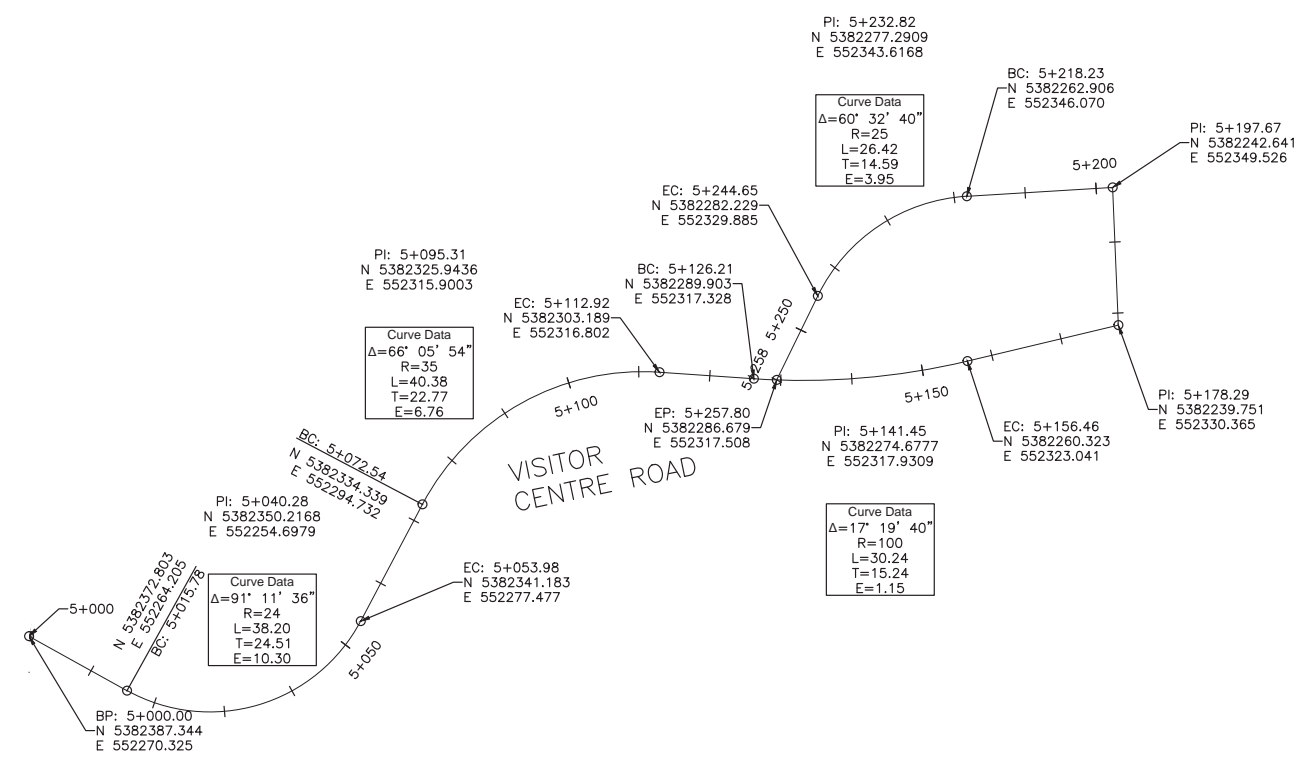
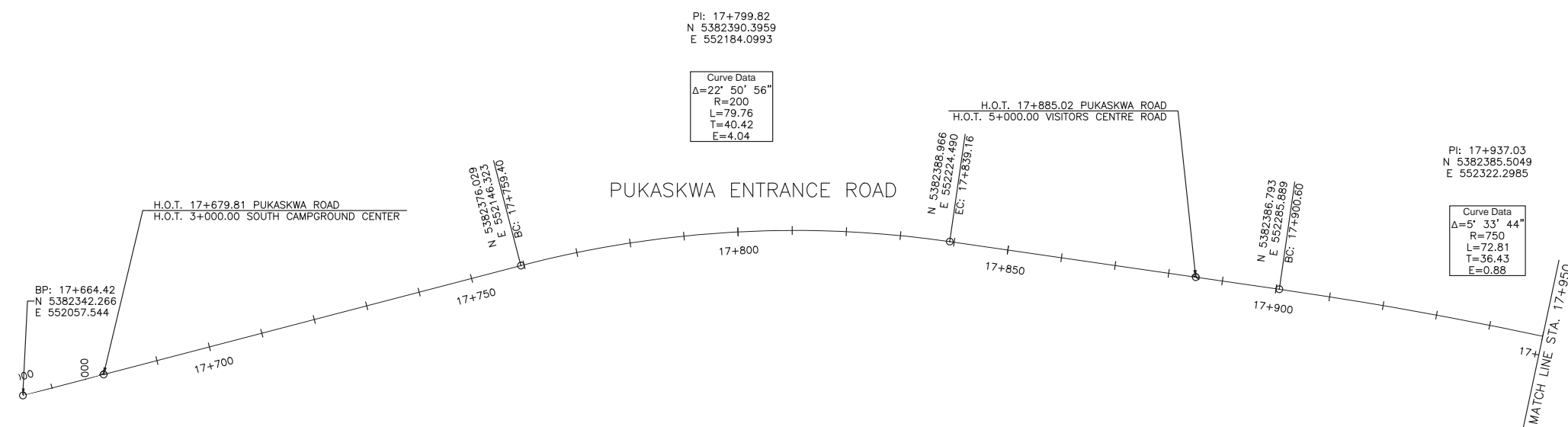
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

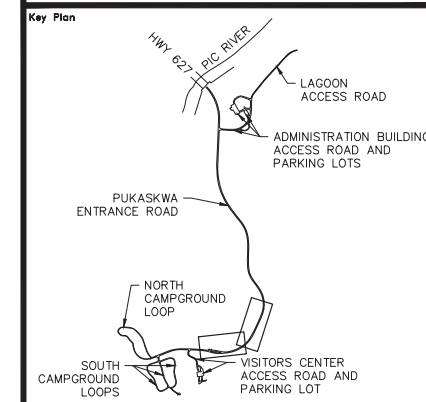
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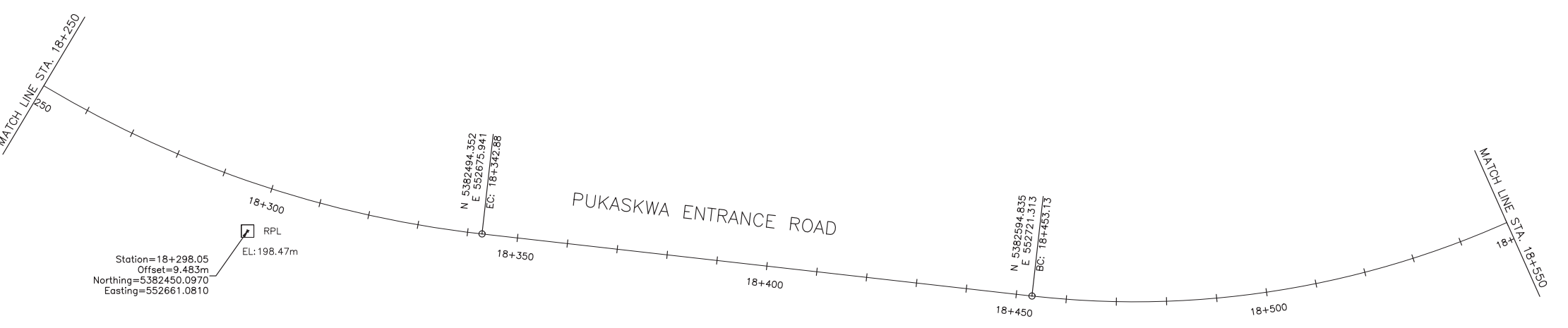
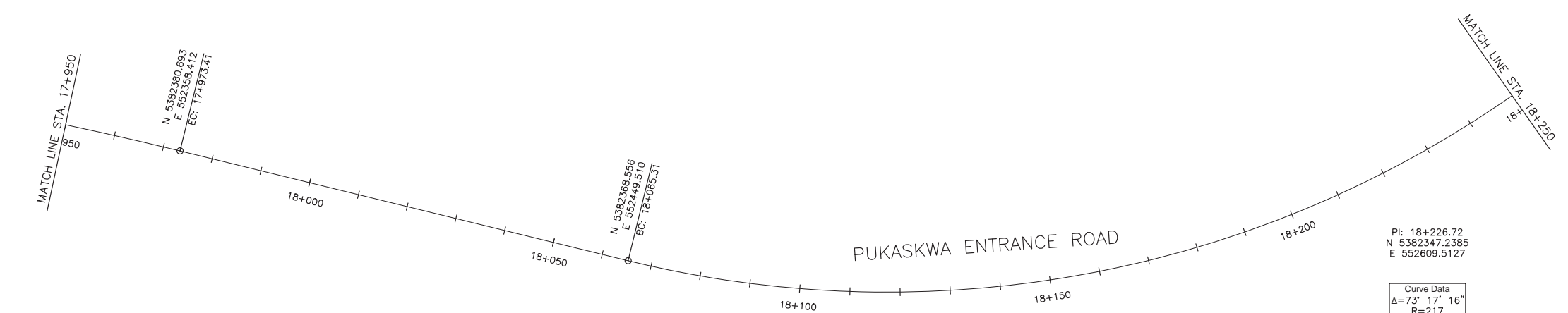
ENTRANCE ROAD 17+664 TO 17+950
VISITOR CENTRE 5+000 TO 5+258

Designed by/Concept par	PO	Date	16/12/23
Drawn by/Dessiné par	PO	Date	16/12/23
Checked by/Vérifié par	JW	Date	16/12/23
Approved by/Approuvé par	JW	Date	16/12/23
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin	3/9	Sheet No./ N° de la feuille	C-3





Legend



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Easting=552661.0810
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Revision / Revision	
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B	Sheet number B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

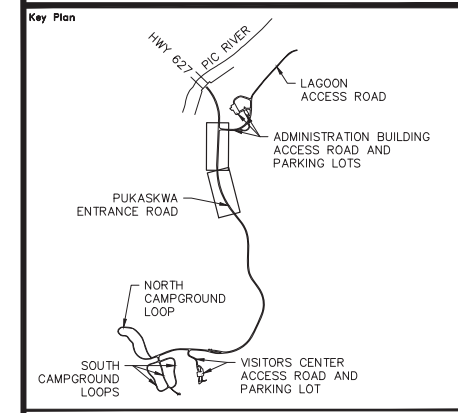
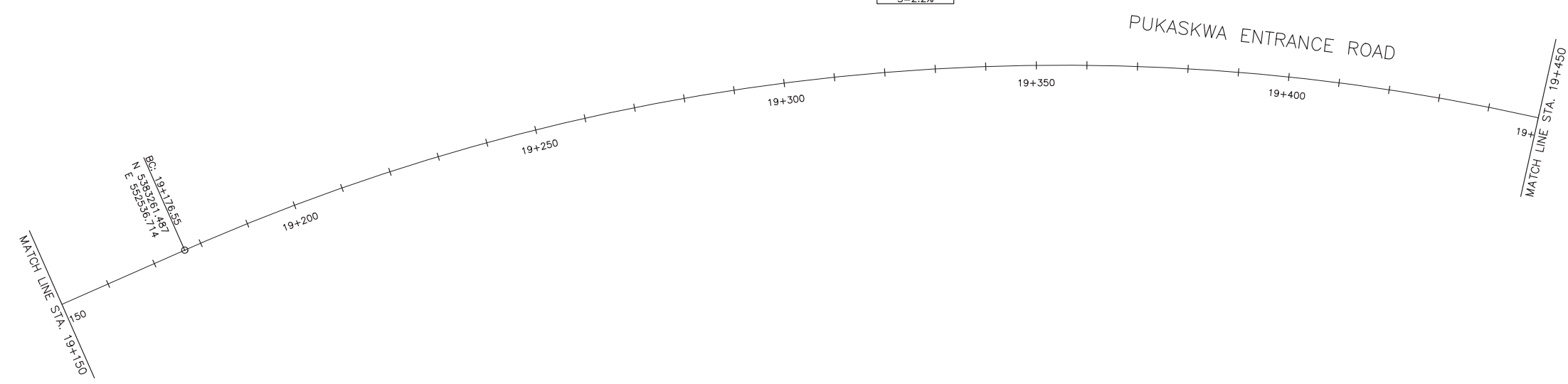
Drawing title/Titre du dessin
ALIGNMENTS
PUKASKWA ENTRANCE ROAD
17+950 TO 18+550

Designed by/Concept par	PO	Date	16/12/23
Drawn by/Dessiné par	PO	Date	16/12/23
Checked by/Vérifié par	JW	Date	16/12/23
Approved by/Approuvé par	JW	Date	16/12/23
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Drawing Set No./No de série du dessin			Sheet No./ N° de la feuille C-4



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T=157.88
E=28.07
S=2.2%



Legend

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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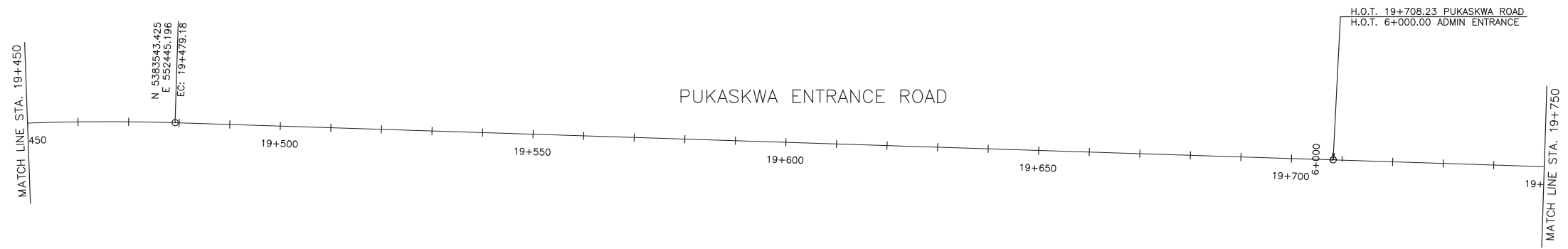
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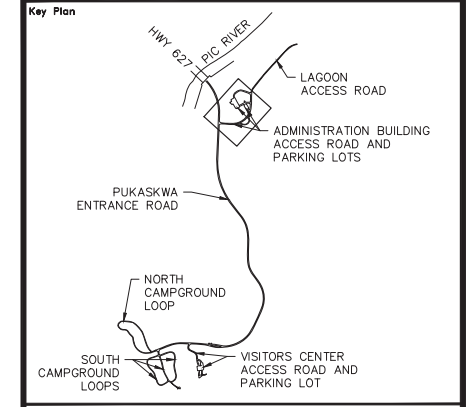
Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
ALIGNMENTS
PUKASKWA ENTRANCE ROAD
19+150 TO 19+750

Designed by/Concept par	PO	Date	16/12/23
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Legend

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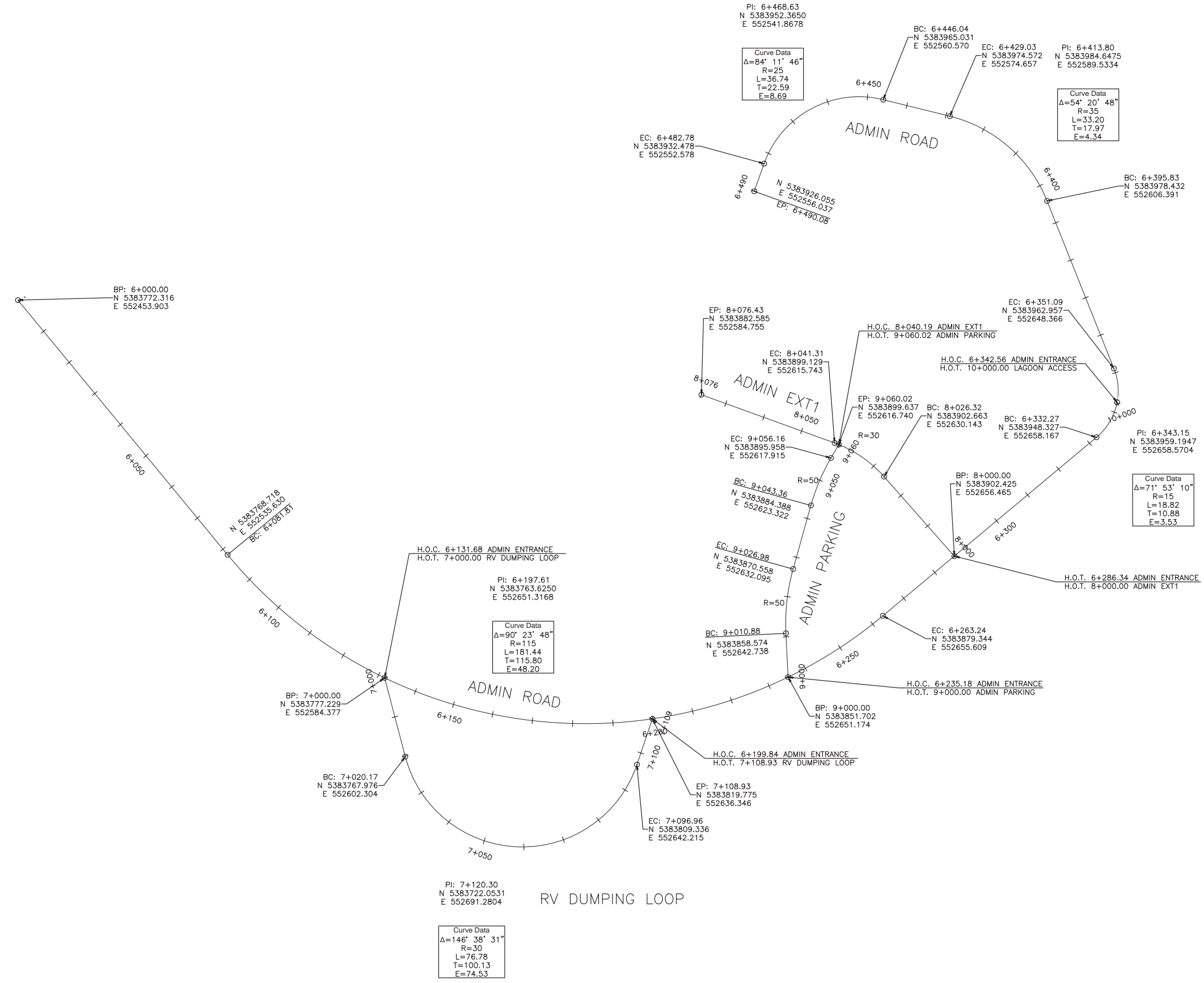
Consultant's Name / Nom de l'expert-conseil
PARSONS
 625 Cochrane Drive
 Suite 500
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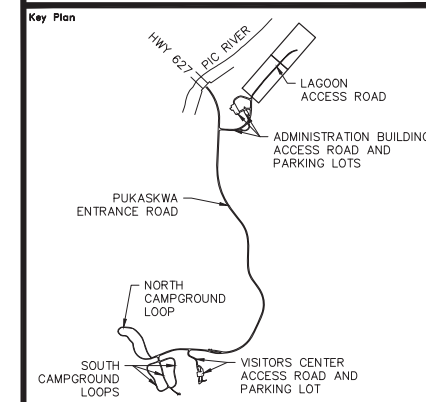


Project title / Titre du projet
 Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing title / Titre du dessin
 ALIGNMENTS
 ADMIN ROAD & ADMIN PARKING
 & RV DUMPING LOOP

Designed by / Concept par	PO	Date	16/12/23
Drawn by / Dessiné par	PO	Date	16/12/23
Checked by / Vérifié par	JW	Date	16/12/23
Approved by / Approuvé par	JW	Date	16/12/23
Project No. / N° du projet	00791	Scale / Échelle	1:1000
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Drawing Set No. / N° de série du dessin	8/9		





Legend

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision

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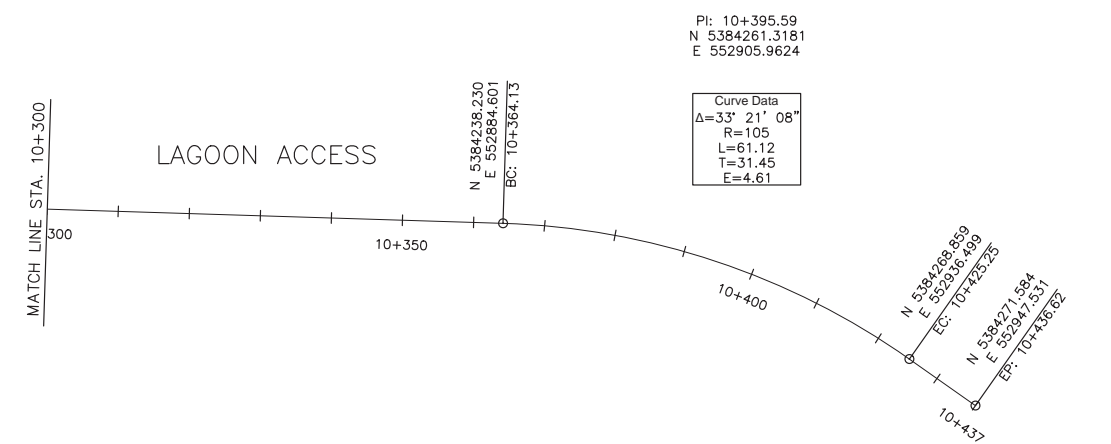
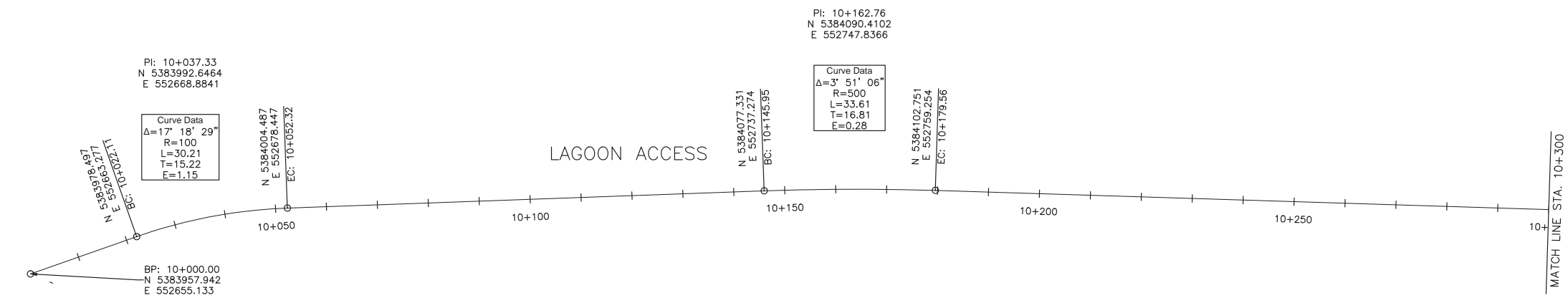
Consultant's Name
Nom de l'expert-conseil
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625 Cochrane Drive
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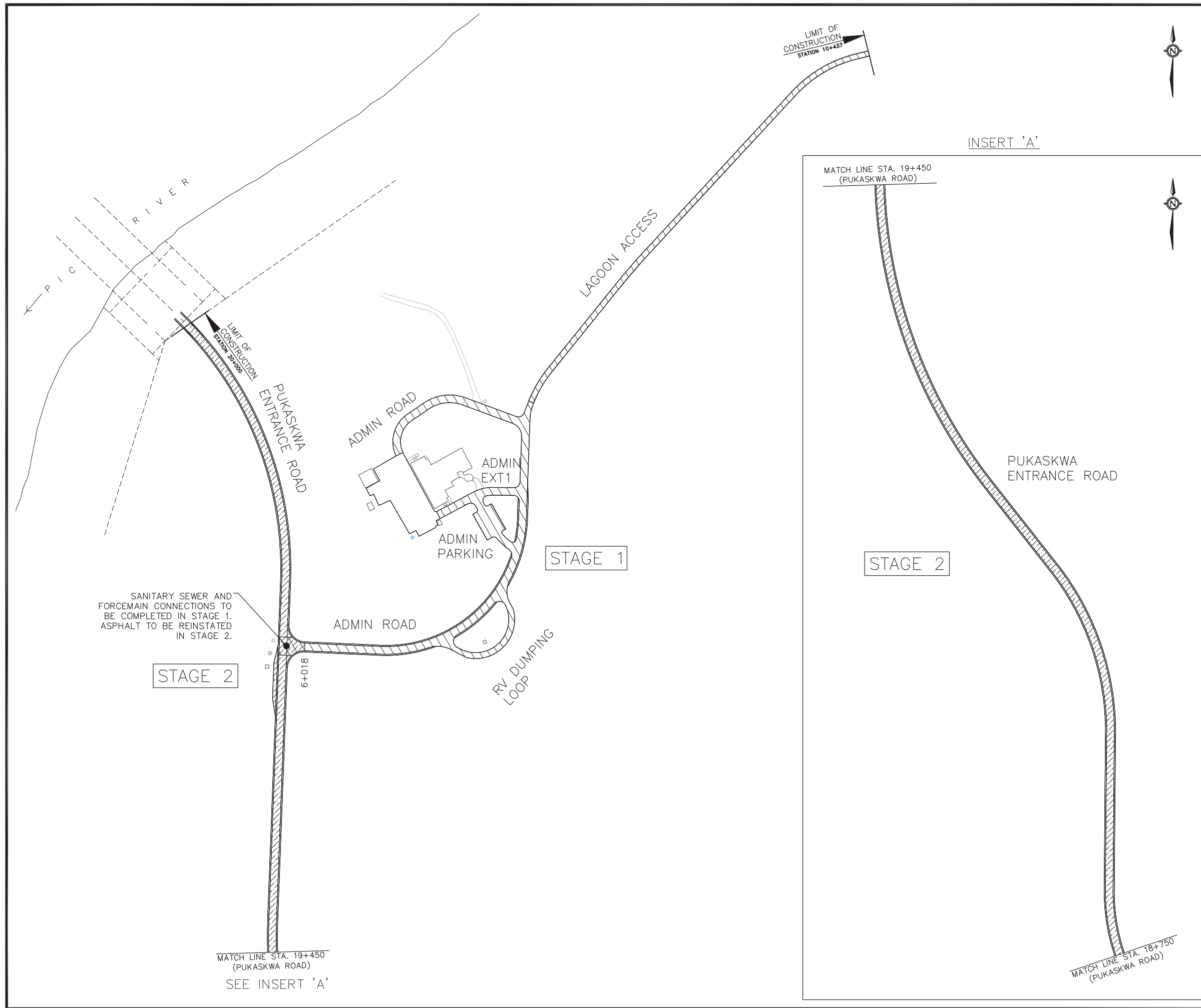


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Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

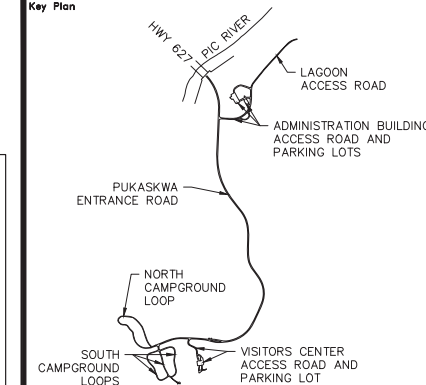
Drawing title/Titre du dessin
ALIGNMENTS
LAGOON ACCESS
10+000 TO 10+437

Designed by/Concept par	PO	Date	16/12/23
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Approved by/Approuvé par	JW	Date	16/12/23
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin	9/9		Sheet No./ N ^o de la feuille C-9





Key Plan



Legend

- STAGE 1
- STAGE 2
- STAGE 3
- STAGE 4

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Consultant's Name
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Eng. Stamp
Sceau de l'ingénieur
J.L. WIECZOREK
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PROFESSIONAL ENGINEER
ON

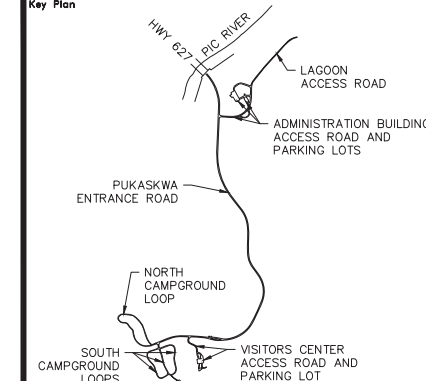
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Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
SEQUENCING PLAN
STAGES 1 & 2

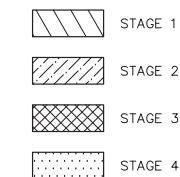
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Approved by/Approuvé par	JW	Date	16/12/23
Project No./No du projet	00791	Scale/Échelle	1:1500
Drawing Set No./No de série du dessin			Sheet No./ N ^o de la feuille C-10
			1/2



Key Plan



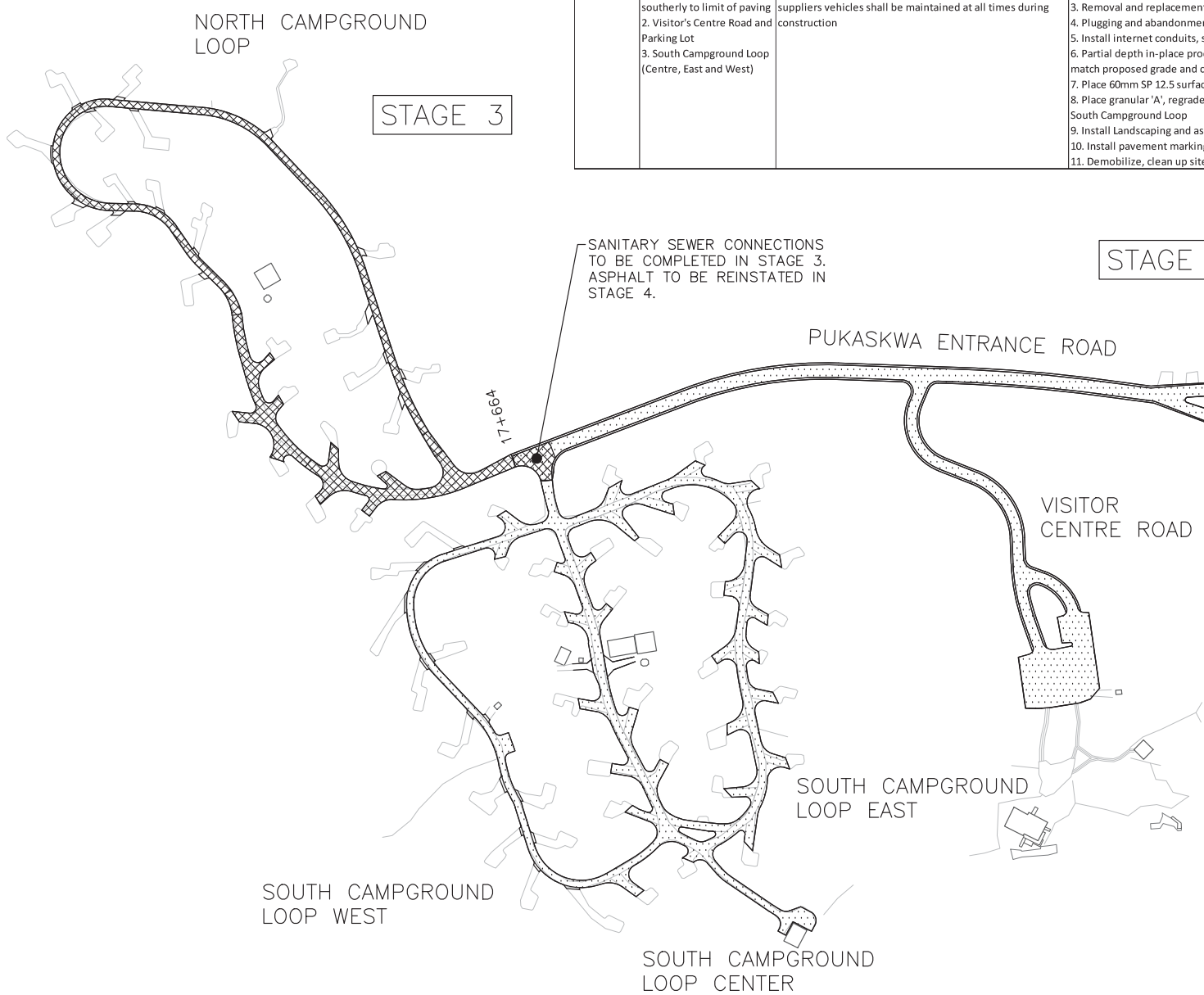
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ROAD RECONSTRUCTION PROJECT - PUKASKWA NATIONAL PARK			
	LOCATION	TRAFFIC	CONSTRUCTION - MAIN ACTIVITIES
STAGE 1	1. Admin Entrance Road 2. Lagoon Access 3. RV Dumping Loop 4. Admin Parking	1. Construction zone/area will be closed for public traffic. Access for Park/Admin Building staff, emergency, and suppliers vehicles shall be maintained at all times during construction	1. Mobilisation and perform site clearing 2. Install/replace sanitary sewers and force mains 3. Plugging and abandonment operations of unused/replaced sanitary systems 4. Install internet conduits, secondary lighting line and associated items 5. Place granular 'A', regrade to match proposed grade and complete finish grading on Lagoon Access 6. Partial depth in-place processing of pavement, regrade to match proposed grade and complete finish grading 7. Place 60mm SP 12.5 surface course, where applicable. 8. Install pavement markings, and signage 9. Demobilize, clean up site and open to traffic
STAGE 2	1. Pukaskwa Entrance Road from north limit of project southerly	1. Road will be closed for public traffic. Access for Park staff, emergency, and suppliers vehicles shall be maintained at all times during construction	1. Mobilisation and perform site clearing 2. Install/replace sanitary sewers and force mains. Installation of temporary connection between 'new' and existing forcemains at south limit of construction 3. Plugging and abandonment operations of unused/replaced sanitary systems 4. Install internet conduits, and associated items 5. Partial depth in-place processing of pavement, regrade to match proposed grade and complete finish grading 6. Place 60mm SP 12.5 surface course 7. Install pavement markings, and signage 8. Demobilize, clean up site and open to traffic
STAGE 3	1. North Campground Loop	1. Roads will be closed for visitors (public) traffic. Access for Park staff and emergency vehicles shall be maintained at all times during construction.	1. Mobilisation and perform site clearing 2. Install/replace sanitary sewers and force mains 3. Plugging and abandonment operations of unused/replaced sanitary systems 4. Install RV outlets 5. Place granular 'A', regrade to match proposed grade and complete finish grading 6. Demobilize, clean up site and open to visitors
STAGE 4	1. Pukaskwa Entrance Road from south limit of Stage 2 southerly to limit of paving 2. Visitor's Centre Road and Parking Lot 3. South Campground Loop (Centre, East and West)	1. Construction zone/area will be closed for public traffic. Access for Park/Visitor Centre staff, emergency, and suppliers vehicles shall be maintained at all times during construction	1. Mobilisation and perform site clearing 2. Install/replace sanitary sewers and force mains 3. Removal and replacement of pumps at PS#1 4. Plugging and abandonment operations of unused/replaced sanitary systems 5. Install internet conduits, secondary lighting line, RV outlets and associated items 6. Partial depth in-place processing of pavement, widen for layby area, regrade to match proposed grade and complete finish grading 7. Place 60mm SP 12.5 surface course, where applicable. 8. Place granular 'A', regrade to match proposed grade and complete finish grading on South Campground Loop 9. Install Landscaping and associated items (for all stages) 10. Install pavement markings, and signage 11. Demobilize, clean up site and open to traffic

STAGE 2

TEMPORARY FORCEMAIN CROSS-OVER TO BE INSTALLED AT END OF STAGE 2.



STAGE 4

SANITARY SEWER CONNECTIONS TO BE COMPLETED IN STAGE 3. ASPHALT TO BE REINSTATED IN STAGE 4.

0	17/08/22	Issued for Tender	PO	JW
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
A	Detail number Sheet number
B	A Numéro de détail B Numéro de la feuille
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	

Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

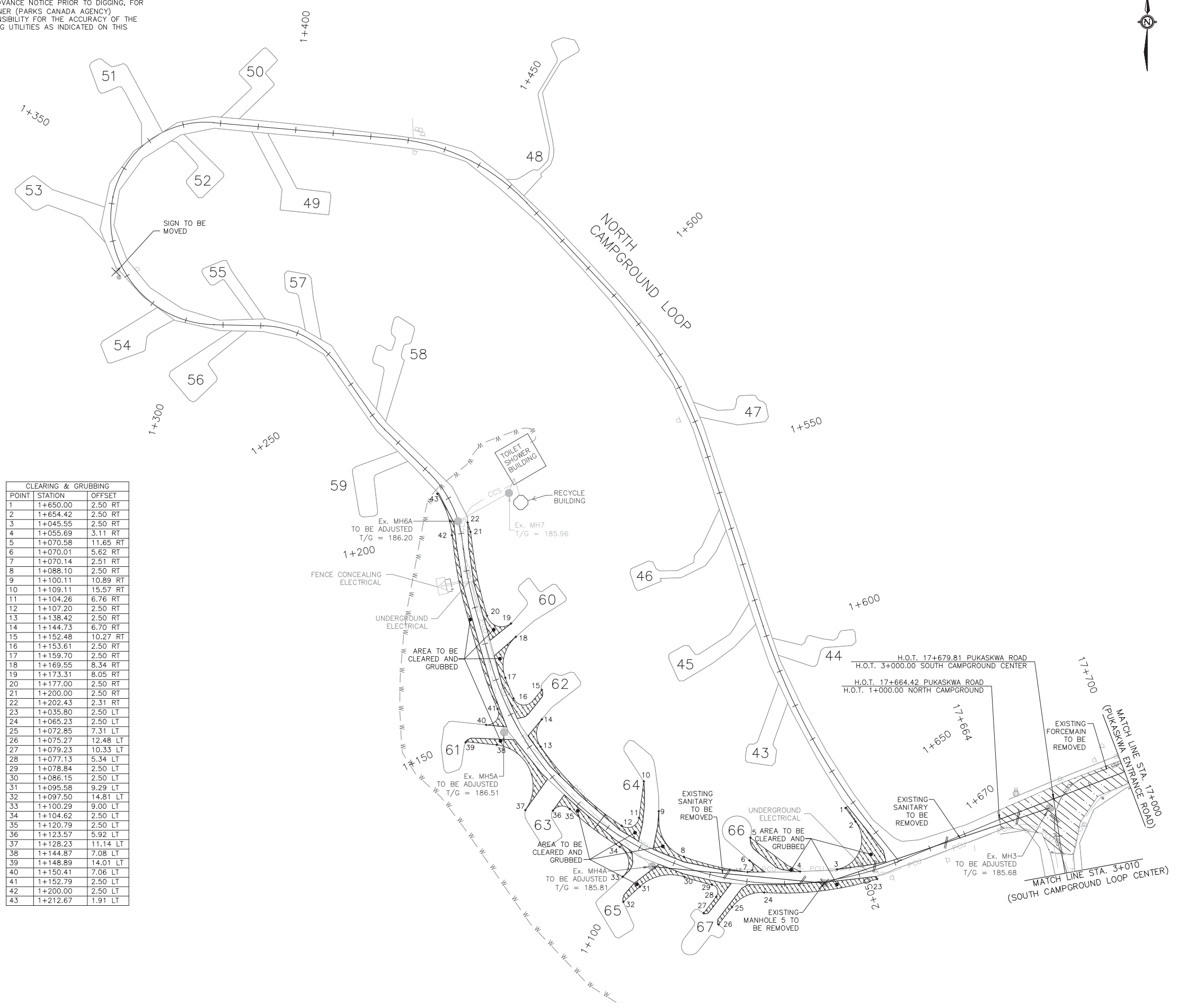
Eng. Stamp
Sceau de l'ingénieur

Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
SEQUENCING PLAN
STAGES 2, 3 & 4

Designed by/Concept par	PO	Date	16/12/23
Drawn by/Designé par	PO	Date	16/12/23
Checked by/Vérifié par	JW	Date	16/12/23
Approved by/Approuvé par	JW	Date	16/12/23
Project No./No du projet	00791	Scale/Échelle	1:1500
Drawing Set No./No de série du dessin			Sheet No./ N ^o de la feuille C-11
			2/2

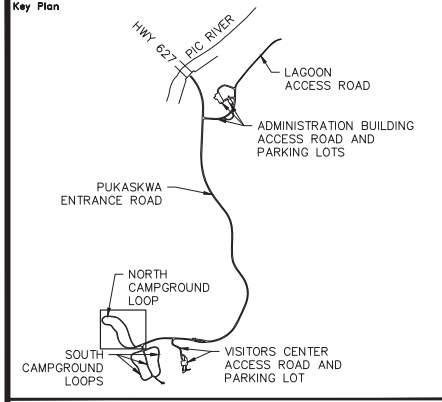
CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



CLEARING & GRUBBING		
POINT	STATION	OFFSET
1	1+650.00	2.50 RT
2	1+654.42	2.50 RT
3	1+045.55	2.50 RT
4	1+055.69	3.11 RT
5	1+070.58	11.65 RT
6	1+070.01	5.62 RT
7	1+070.14	2.51 RT
8	1+088.10	2.50 RT
9	1+100.11	10.89 RT
10	1+109.11	15.57 RT
11	1+104.26	6.76 RT
12	1+107.20	2.50 RT
13	1+138.42	2.50 RT
14	1+144.73	6.70 RT
15	1+152.48	10.27 RT
16	1+153.61	2.50 RT
17	1+159.70	2.50 RT
18	1+169.55	8.34 RT
19	1+173.31	8.05 RT
20	1+177.00	2.50 RT
21	1+200.00	2.50 RT
22	1+202.43	2.31 RT
23	1+035.80	2.50 LT
24	1+065.23	2.50 LT
25	1+072.85	7.31 LT
26	1+075.27	12.48 LT
27	1+079.23	10.33 LT
28	1+077.13	5.34 LT
29	1+078.84	2.50 LT
30	1+086.15	2.50 LT
31	1+095.58	9.29 LT
32	1+097.50	14.81 LT
33	1+100.29	9.00 LT
34	1+104.62	2.50 LT
35	1+120.79	2.50 LT
36	1+123.57	5.92 LT
37	1+128.23	11.14 LT
38	1+144.87	7.08 LT
39	1+148.89	14.01 LT
40	1+150.41	7.06 LT
41	1+152.79	2.50 LT
42	1+200.00	2.50 LT
43	1+212.67	1.91 LT

Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend	
---	TREE LINE
---	EXIST. CABLE
---	EXIST. CULVERT
●	EXIST. SANI MANHOLE
---	EXIST. SANI SEWER
---	SSFM
---	EXIST. WATERMAIN
W-W	WATER VALVE
○	WATER WELL
○	FIRE HYDRANT
▨	CLEARING & GRUBBING
▨	ASPHALT IN-PLACE
▨	CULVERT TO BE REMOVED
---	PCU
---	CCS
---	UT
○	ELECTRICAL MARKER
○	RV OUTLET
○	LP
○	FP
○	FLAG POLE
○	BOLLARD
○	SIGN
○	LIGHT DUTY SILT FENCE
▨	SANI. SEWER REMOVAL
▨	SANI. FORCEMAIN REMOVAL
▨	MISCELLANEOUS REMOVALS

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
08/22/17
PROFESOR INGENIERIA CIVIL

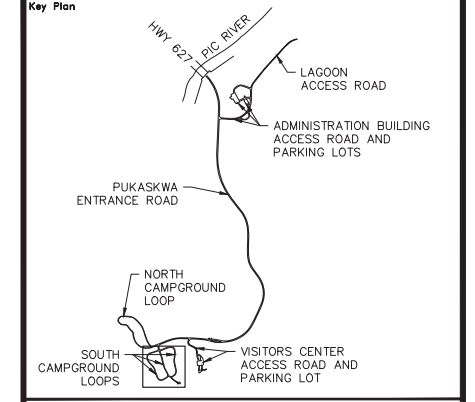
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THEMER
10013638
PROFESOR INGENIERIA CIVIL

Drawing title / Titre du dessin
**REMOVALS
NORTH CAMPGROUND LOOP**

Designed by / Conçeut par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-12

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	---	PCU	---	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	---	CCS	---	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	---	UT	---	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○		○	ELECTRICAL MARKER
---	EXIST. SANI SEWER	⊕		⊕	RV OUTLET
---	SSFM	○		○	LIGHT POLE
---	EXIST. WATERMAIN	○		○	FLAG POLE
---	WV	○		○	BOLLARD
---	WW	○		○	SIGN
○	WATER WELL	○		○	LIGHT DUTY SILT FENCE
○	FIRE HYDRANT	○		○	SANI. SEWER REMOVAL
▨	CLEARING & GRUBBING	▨		▨	SANI. FORCEMAIN REMOVAL
▨	ASPHALT IN-PLACE	▨		▨	MISCELLANEOUS REMOVALS
▨	CULVERT TO BE REMOVED	×		×	

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	B
Detail number	A Numéro de détail
Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
REMOVALS SOUTH CAMPGROUND LOOPS

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Echelle	1:1000
Drawing Set No. / No de série du dessin	2/9	Sheet No. / No de la feuille	C-13

CLEARING & GRUBBING

POINT	STATION	OFFSET
44	2+013.77	2.60 RT
45	2+018.22	6.14 RT
46	2+028.37	11.92 RT
47	2+026.84	9.74 RT
48	2+030.86	1.88 RT
49	2+006.33	1.96 LT
50	2+020.07	1.87 LT
51	2+028.01	5.79 LT
52	2+030.59	9.16 LT
53	2+036.03	8.03 LT
54	2+039.41	1.87 LT
55	2+040.44	1.87 LT
56	2+174.09	1.87 LT
57	2+176.81	4.47 LT
58	2+177.14	8.06 LT
59	2+185.78	7.90 LT
60	2+185.99	4.58 LT
61	2+188.66	1.89 LT
62	2+271.64	1.88 RT
63	2+280.21	1.88 RT
64	2+288.51	8.43 RT
65	2+297.03	15.44 RT
66	2+294.16	8.88 RT
67	2+298.03	1.93 RT

CLEARING & GRUBBING

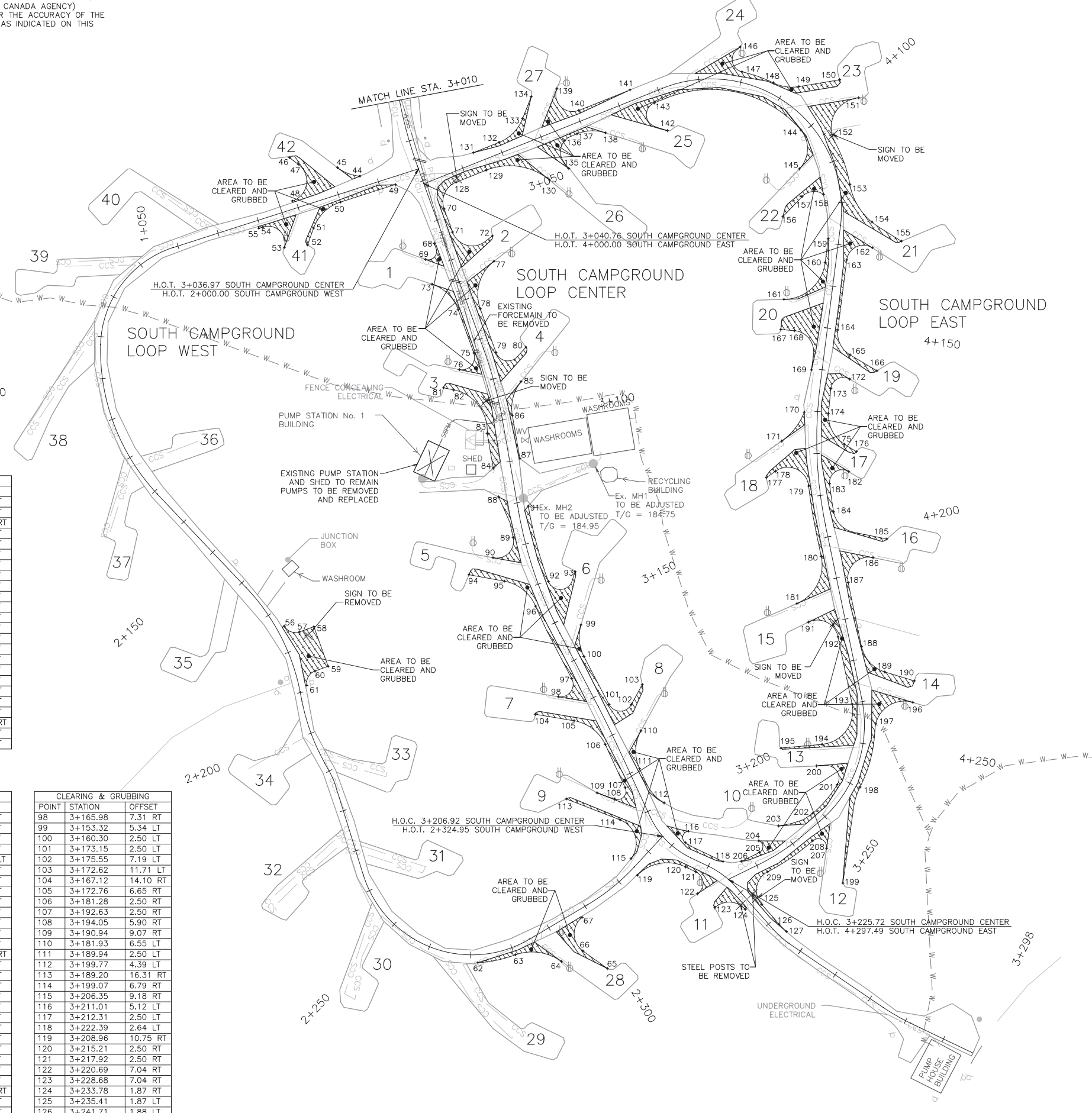
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68	3+054.92	2.50 RT
69	3+057.77	5.79 RT
70	3+048.01	2.50 LT
71	3+053.85	2.50 LT
72	3+057.94	11.12 LT
73	3+063.86	6.28 RT
74	3+071.69	2.50 RT
75	3+082.61	2.50 RT
76	3+085.37	7.03 RT
77	3+063.73	9.44 LT
78	3+073.25	2.50 LT
79	3+084.23	2.50 LT
80	3+085.24	9.64 LT
81	3+088.68	11.94 RT
82	3+089.98	9.74 RT
83	3+102.53	4.13 RT
84	3+110.87	4.13 RT
85	3+092.24	6.23 LT
86	3+099.33	2.50 LT
87	3+109.73	2.50 LT
88	3+117.85	4.05 RT
89	3+127.79	2.50 RT
90	3+131.11	8.32 RT
91	3+121.22	2.50 LT
92	3+140.19	2.50 LT
93	3+140.20	9.25 LT
94	3+133.21	14.91 RT
95	3+136.77	7.36 RT
96	3+144.58	2.50 RT
97	3+163.59	2.50 RT

CLEARING & GRUBBING

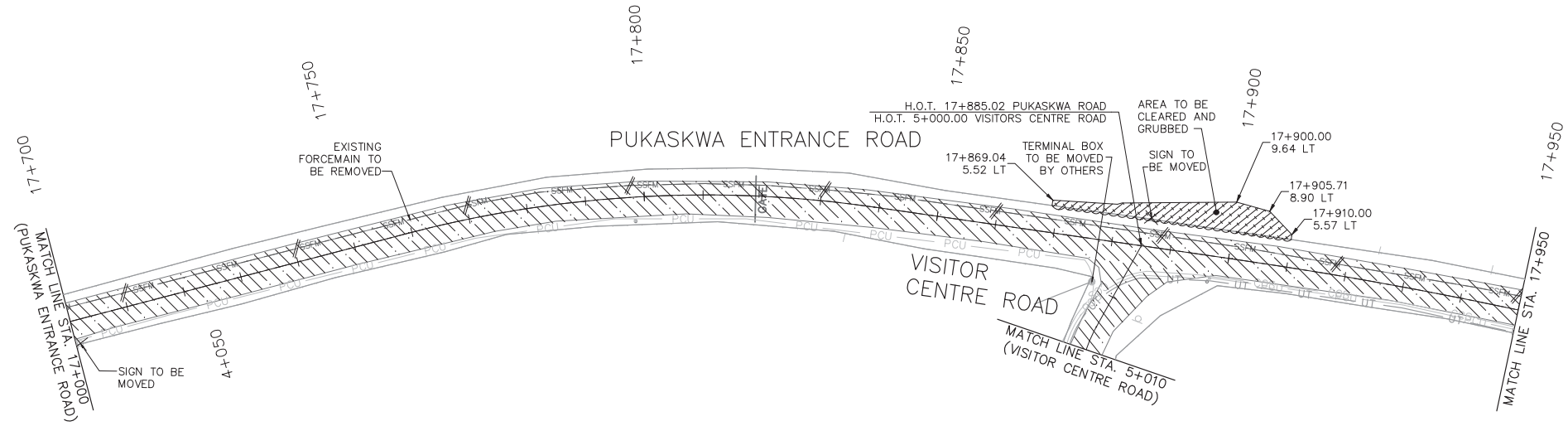
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98	3+165.98	7.31 RT
99	3+153.32	5.34 LT
100	3+160.30	2.50 LT
101	3+173.15	2.50 LT
102	3+175.55	7.19 LT
103	3+172.62	11.71 LT
104	3+167.12	14.10 RT
105	3+172.76	6.65 RT
106	3+181.28	2.50 RT
107	3+192.63	2.50 RT
108	3+194.05	5.90 RT
109	3+190.94	9.07 RT
110	3+181.93	6.55 LT
111	3+189.94	2.50 LT
112	3+199.77	4.39 LT
113	3+189.20	16.31 RT
114	3+199.07	6.79 RT
115	3+206.35	9.18 RT
116	3+211.01	5.12 LT
117	3+212.31	2.50 LT
118	3+222.39	2.64 LT
119	3+208.96	10.75 RT
120	3+215.21	2.50 RT
121	3+217.92	2.50 RT
122	3+220.69	7.04 RT
123	3+228.68	7.04 RT
124	3+233.78	1.87 RT
125	3+235.41	1.87 LT
126	3+241.71	1.88 LT
127	3+244.46	1.87 LT

CLEARING & GRUBBING

POINT	STATION	OFFSET
128	4+007.25	2.50 RT
129	4+014.91	2.50 RT
130	4+028.06	10.27 RT
131	4+013.64	2.50 LT
132	4+020.25	2.50 LT
133	4+027.55	5.66 LT
134	4+031.38	9.76 LT
135	4+033.32	9.39 RT
136	4+034.87	2.91 RT
137	4+038.20	2.50 RT
138	4+044.58	4.80 RT
139	4+037.75	9.24 LT
140	4+040.67	2.50 LT
141	4+053.77	2.53 LT
142	4+058.43	9.77 RT
143	4+057.97	2.50 RT
144	4+099.18	2.51 RT
145	4+108.29	7.92 RT
146	4+078.40	8.24 LT
147	4+079.75	2.53 LT
148	4+087.06	2.53 LT
149	4+092.12	4.88 LT
150	4+097.12	12.41 LT
151	4+101.54	12.97 LT
152	4+104.58	3.04 LT
153	4+116.06	2.51 LT
154	4+124.02	7.34 LT
155	4+127.30	14.84 LT
156	4+124.70	13.83 RT
157	4+117.29	9.18 RT
158	4+117.47	4.04 RT
159	4+128.96	2.50 RT
160	4+134.66	2.50 RT
161	4+144.57	11.12 RT
162	4+129.72	8.18 LT
163	4+133.38	2.50 LT
164	4+150.15	2.50 LT
165	4+155.66	6.13 LT
166	4+158.60	12.94 LT
167	4+151.76	10.95 RT
168	4+151.63	7.69 RT
169	4+160.36	2.50 RT
170	4+170.35	3.14 RT
171	4+176.99	8.29 RT
172	4+161.40	6.81 LT
173	4+164.17	2.62 LT
174	4+170.30	2.62 LT
175	4+177.87	6.60 LT
176	4+179.85	9.41 LT
177	4+184.73	12.31 RT
178	4+183.49	10.01 RT
179	4+187.47	2.50 RT
180	4+204.25	2.50 RT
181	4+214.03	10.43 RT
182	4+184.90	7.31 LT
183	4+187.46	2.50 LT
184	4+194.39	2.50 LT
185	4+203.36	13.60 LT
186	4+207.03	9.48 LT
187	4+211.62	2.50 LT
188	4+227.17	2.50 LT
189	4+234.20	6.67 LT
190	4+237.71	13.10 LT
191	4+218.91	8.72 RT
192	4+223.76	2.50 RT
193	4+240.11	2.49 RT
194	4+252.41	9.54 RT
195	4+260.50	18.41 RT
196	4+241.73	11.84 LT
197	4+245.33	2.67 LT
198	4+259.72	2.50 LT
199	4+276.87	14.77 LT
200	4+260.06	8.97 RT
201	4+261.86	2.50 RT
202	4+271.67	2.50 RT
203	4+280.12	5.37 RT
204	4+286.68	4.97 RT
205	4+287.93	2.50 RT
206	4+292.86	2.50 RT
207	4+274.52	5.97 LT
208	4+275.91	2.48 LT
209	4+288.35	2.50 LT

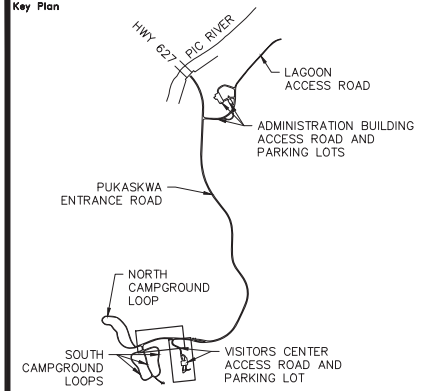


CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Canada

Parks Canada Northern Ontario Field Unit
Parcs Canada Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	— PCU —	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	— CCS —	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	— UT —	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○	ELECTRICAL MARKER
---	EXIST. SANI SEWER	⊕	RV OUTLET
---	SSFM	○ LP	LIGHT POLE
— W — W —	EXIST. WATERMAIN	● FP	FLAG POLE
WV	WATER VALVE	●	BOLLARD
WW	WATER WELL	□	SIGN
FH	FIRE HYDRANT	—	LIGHT DUTY SILT FENCE
▨	CLEARING & GRUBBING	▨	SANI. SEWER REMOVAL
▨	ASPHALT IN-PLACE PROCESSING	▨	SANI. FORCEMAIN REMOVAL
▨	CULVERT TO BE REMOVED	×	MISCELLANEOUS REMOVALS

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp / Sceau de l'ingénieur
--	---------------------------------------

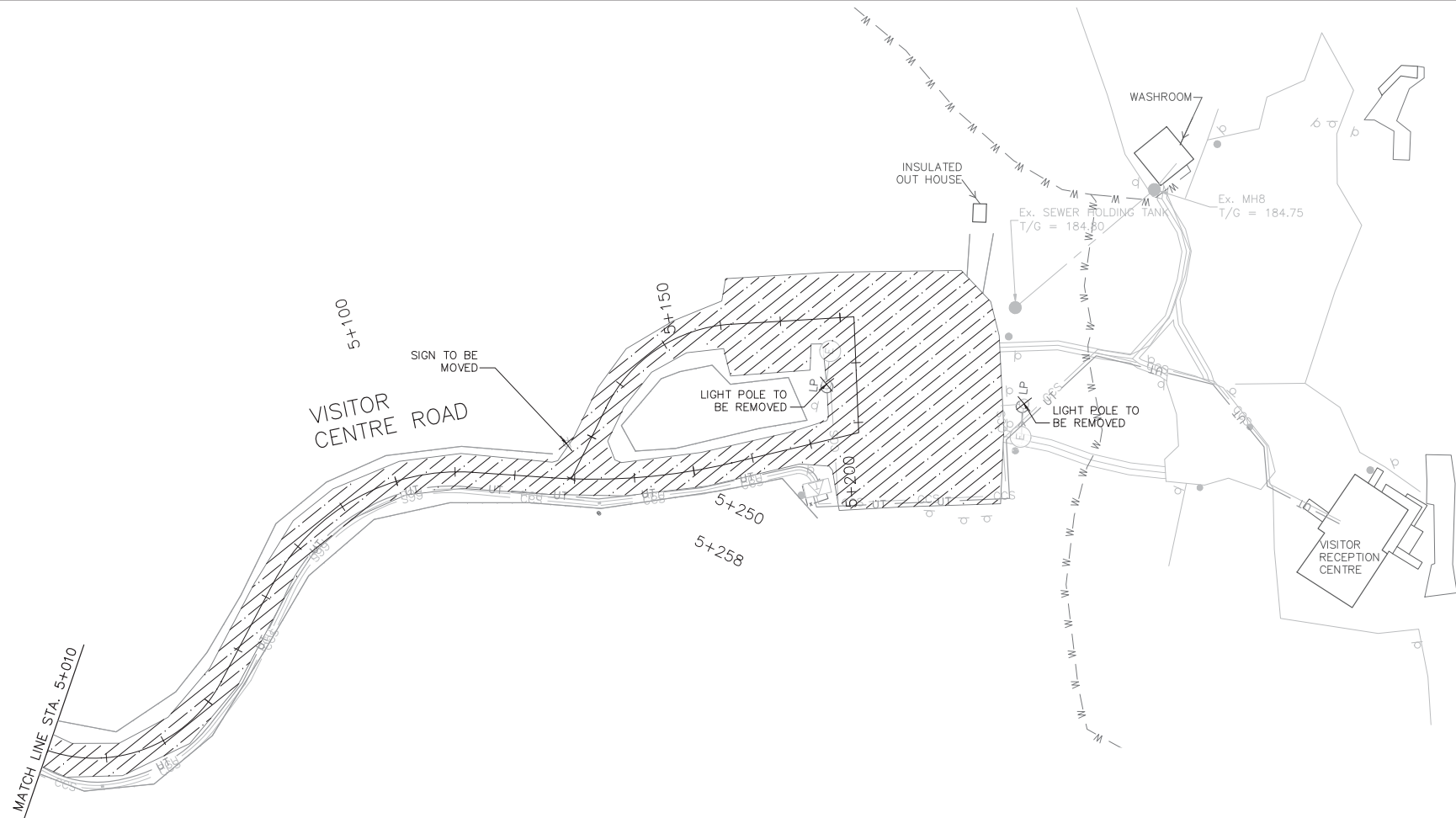
Project title / Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp / Sceau de l'ingénieur
--	---------------------------------------

Drawing title / Titre du dessin
REMOVALS

ENTRANCE RD 17+664 TO 17+950
VISITOR CENTRE 5+000 TO 5+258

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

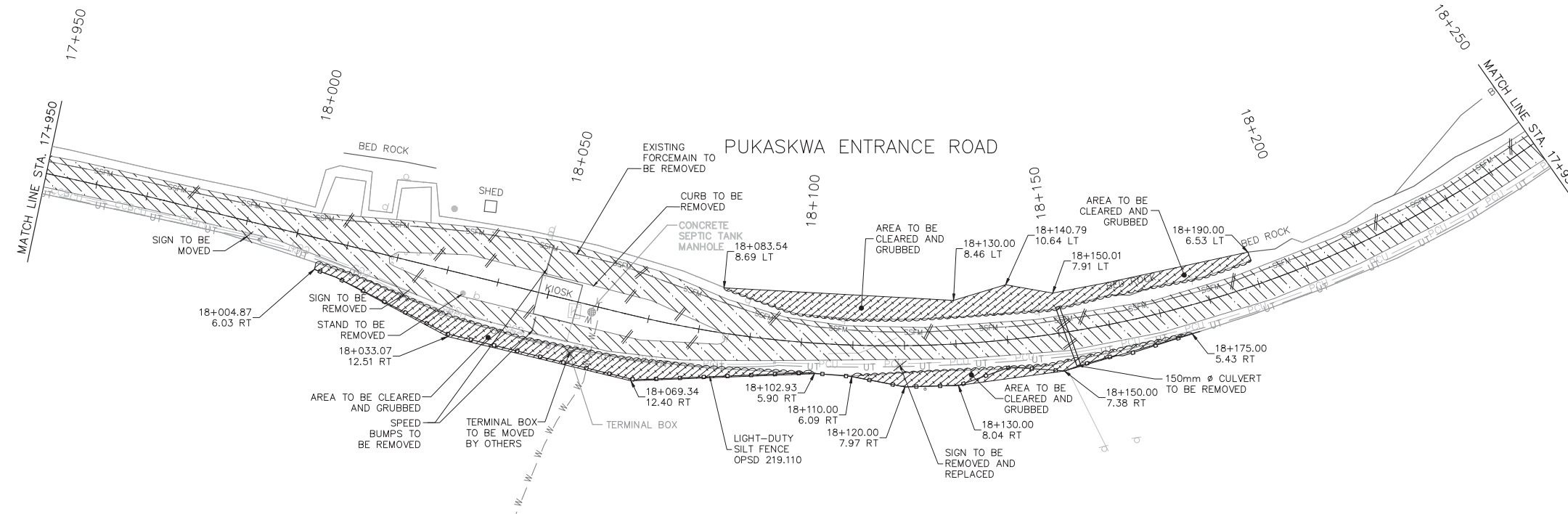
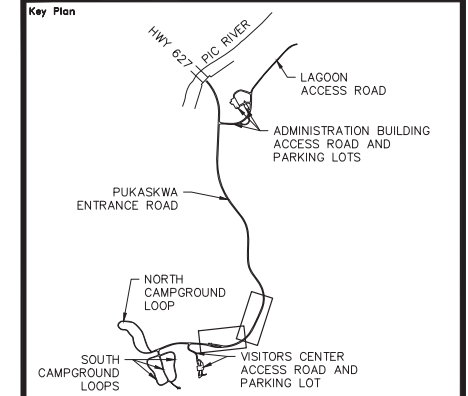
Project No. / No du projet	00791	Scale / Échelle	1:1000	Sheet No. / N° de la feuille	C-14
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CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	---	PCU	---	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	---	CCS	---	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	---	UT	---	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○		○	ELECTRICAL MARKER
---	EXIST. SANI SEWER	⊕		⊕	RV OUTLET
---	SSFM	○	LP	○	LIGHT POLE
---	EXIST. WATERMAIN	○	FP	○	FLAG POLE
W-W	WATER VALVE	●		●	BOLLARD
W-W	WATER WELL	□		□	SIGN
FH	FIRE HYDRANT	○		○	LIGHT DUTY SILT FENCE
///	CLEARING & GRUBBING	///		///	SANI. SEWER REMOVAL
///	ASPHALT IN-PLACE PROCESSING	///		///	SANI. FORCEMAIN REMOVAL
///	CULVERT TO BE REMOVED	×		×	MISCELLANEOUS REMOVALS

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
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Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

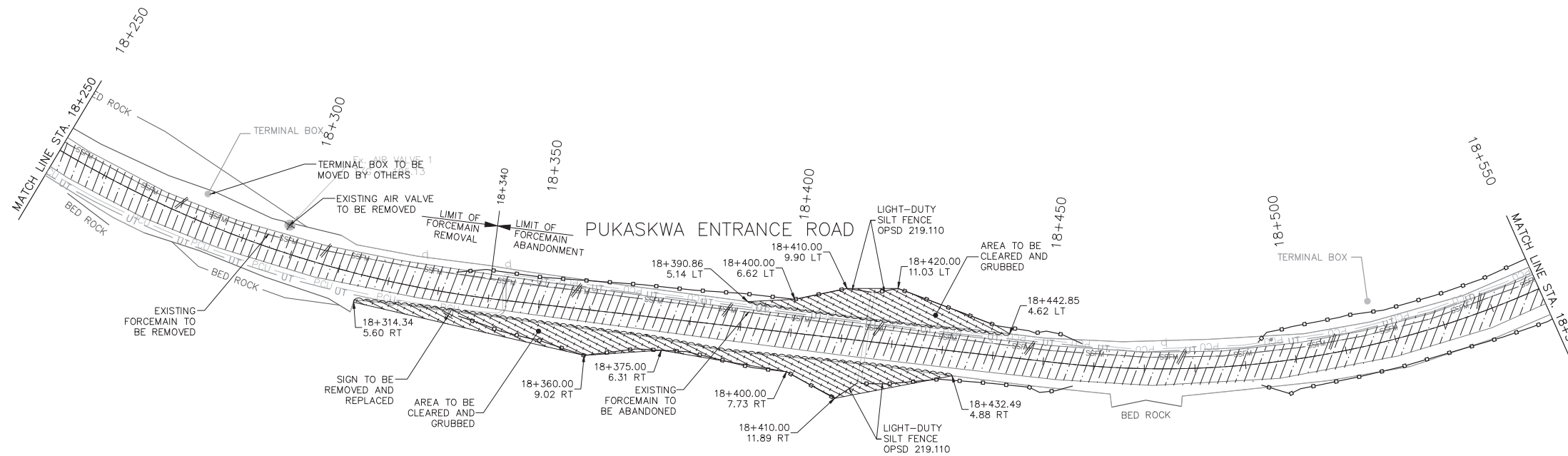
Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
08/22/17

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

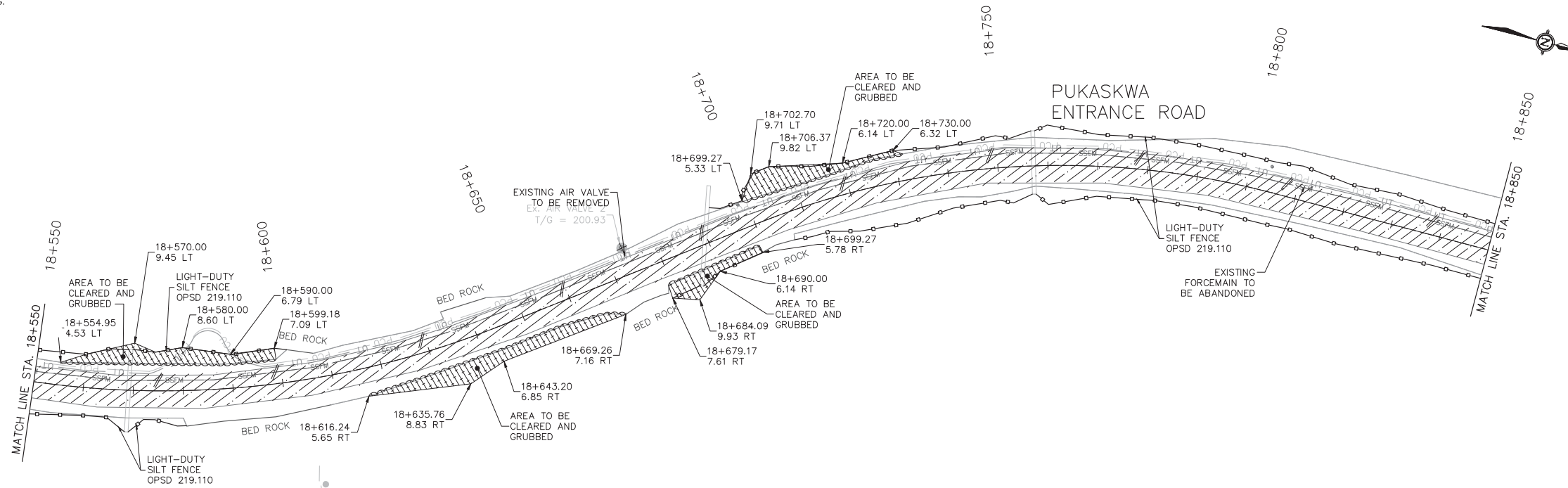
Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038

Drawing title / Titre du dessin
REMOVALS
PUKASKWA ENTRANCE ROAD
17+950 TO 18+550

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-15
4/9			

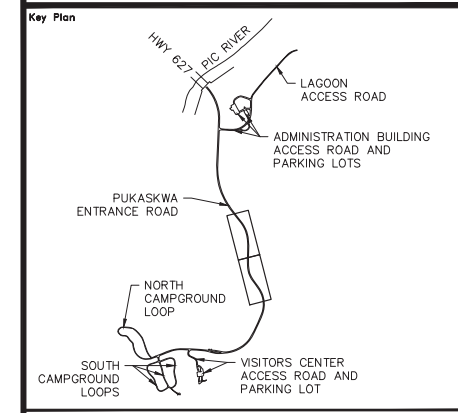


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Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	---	PCU	---	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	---	CCS	---	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	---	UT	---	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○		○	ELECTRICAL MARKER
---	EXIST. SANI SEWER	⊕	LP	○	RV OUTLET
---	EXIST. SANI FORCEMAIN	○	FP	○	LIGHT POLE
---	EXIST. WATERMAIN	○		○	FLAG POLE
W-W	WATER VALVE	○		○	BOLLARD
WW	WATER WELL	□		□	SIGN
FH	FIRE HYDRANT	○		○	LIGHT DUTY SILT FENCE
///	CLEARING & GRUBBING	---		---	SANI. SEWER REMOVAL
///	ASPHALT IN-PLACE	---		---	SANI. FORCEMAIN REMOVAL
---	CULVERT TO BE REMOVED	---		---	MISCELLANEOUS REMOVALS

0	17/08/22	Issued for Tender	PO	JW
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No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
Revision / Revision				

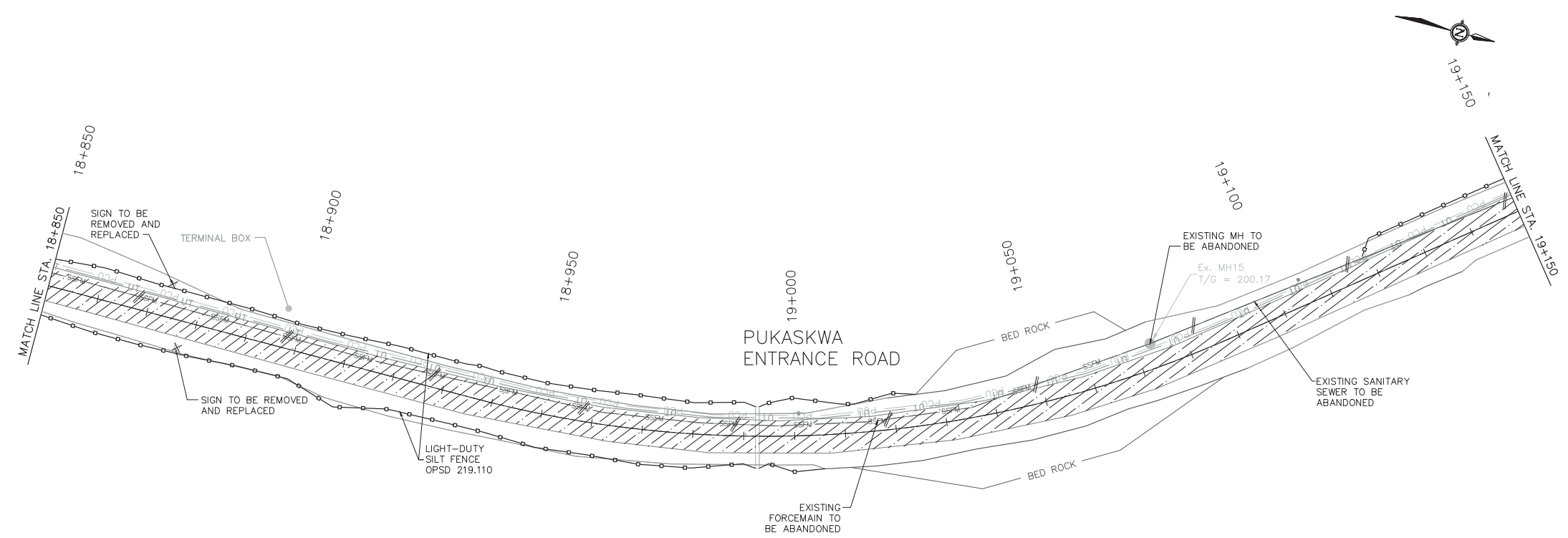
A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
---	--

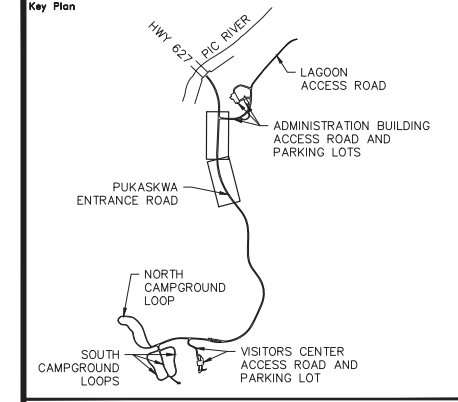
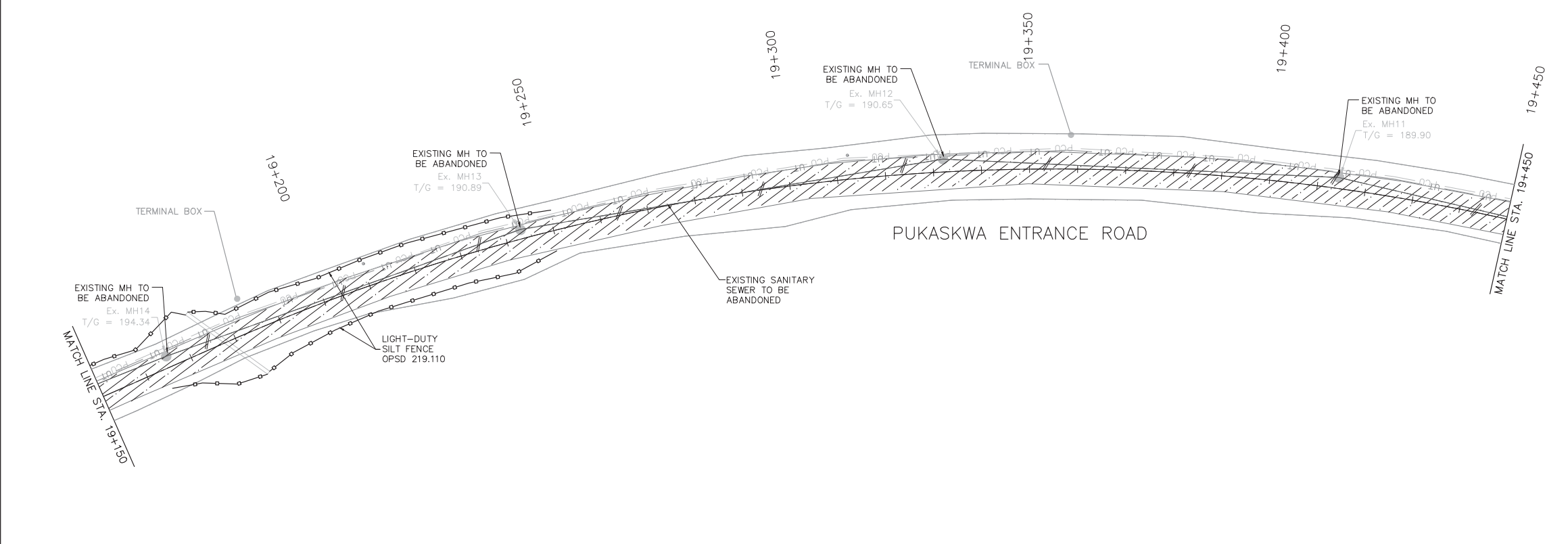
Project title/Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp Sceau de l'ingénieur
--	--

Drawing title/Titre du dessin
**REMOVALS
PUKASKWA ENTRANCE ROAD
18+550 TO 19+150**

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Dessiné par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin			Sheet No./ N° de la feuille C-16
5/9			

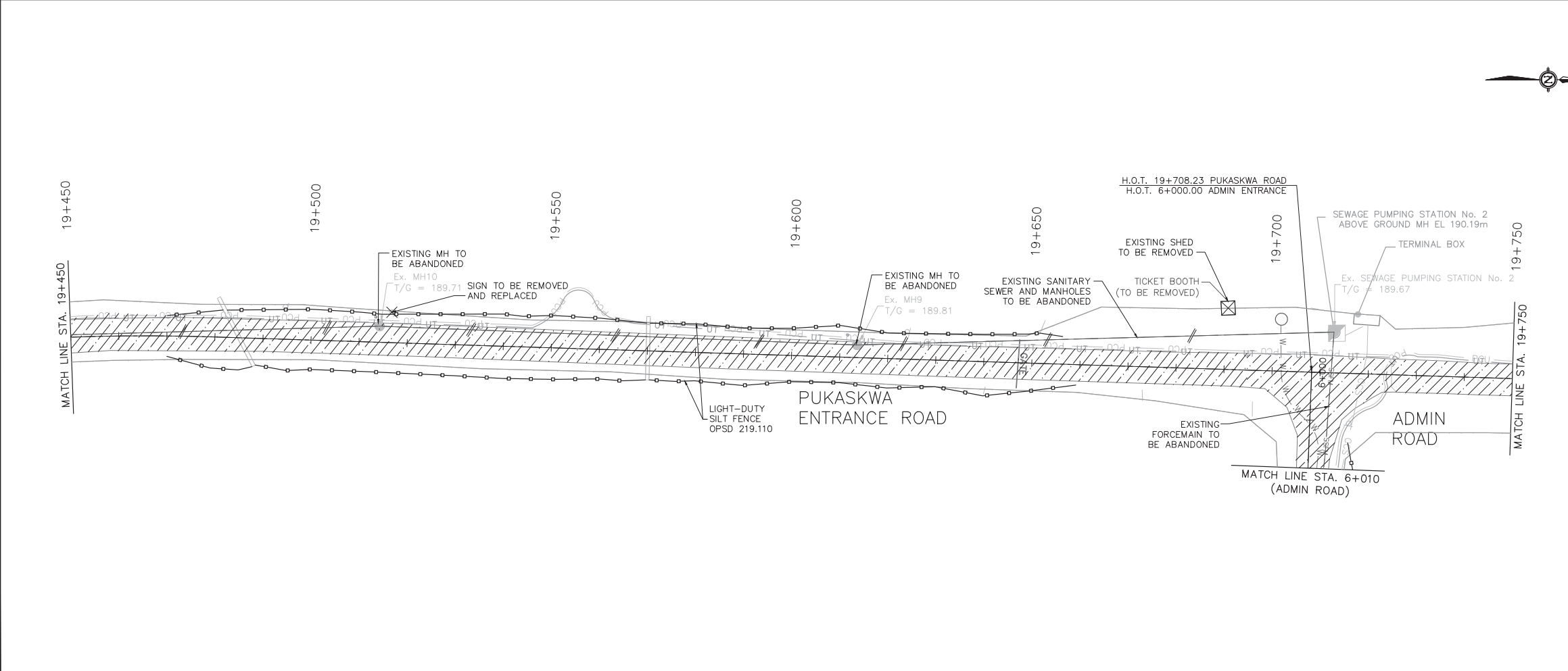


CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	— PCU —	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	— CCS —	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	— UT —	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○	ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	RV OUTLET
—	EXIST. SANI FORCEMAIN	○ LP	LIGHT POLE
— W — W	EXIST. WATERMAIN	● FP	FLAG POLE
WV	WATER VALVE	●	BOLLARD
WW	WATER WELL	□	SIGN
FH	FIRE HYDRANT	○	LIGHT DUTY SILT FENCE
///	CLEARING & GRUBBING	///	SANI. SEWER REMOVAL
///	ASPHALT IN-PLACE	///	SANI. FORCEMAIN REMOVAL
///	CULVERT TO BE REMOVED	×	MISCELLANEOUS REMOVALS



No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
02/22/11
PROFESSEUR D'INGÉNIEUR

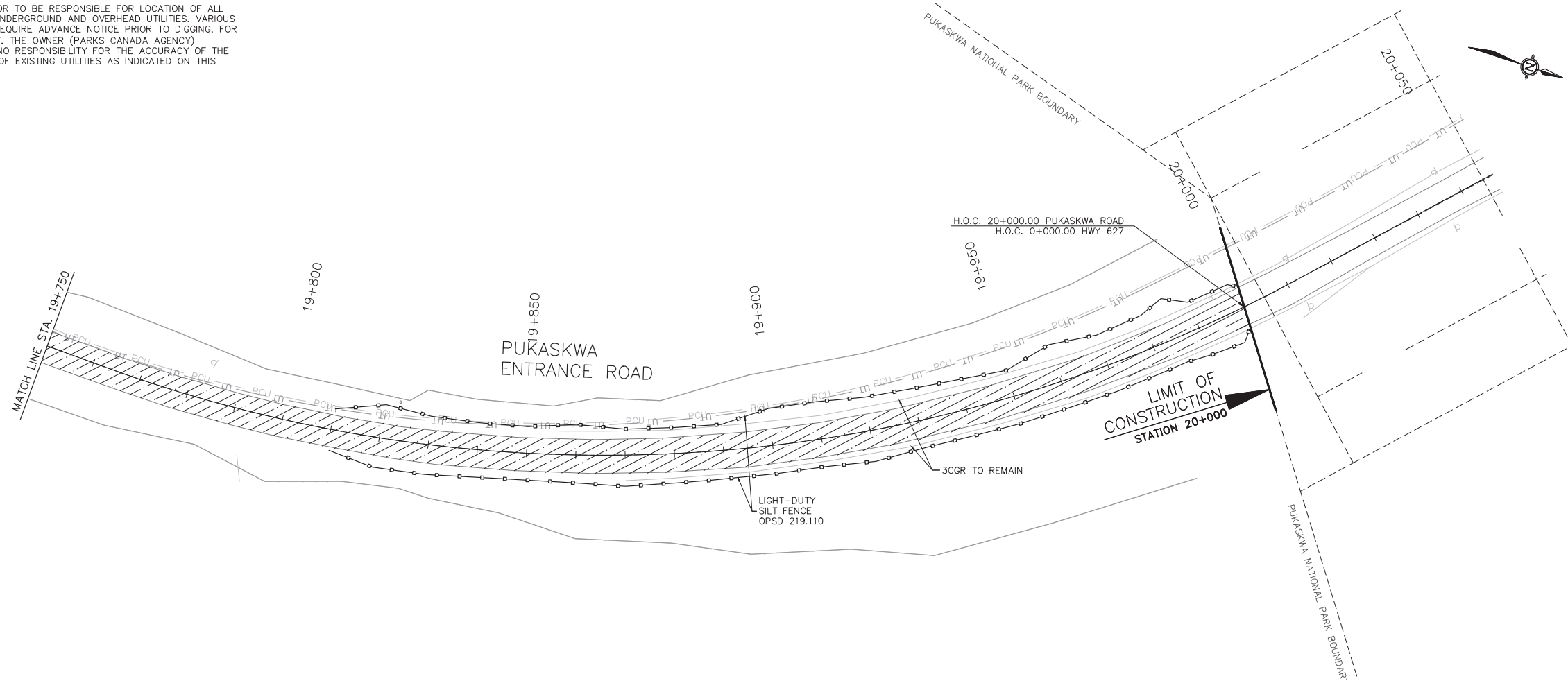
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THEMER
10013638
PROFESSEUR D'INGÉNIEUR

Drawing title / Titre du dessin
REMOVALS
PUKASKWA ENTRANCE ROAD
19+150 TO 19+750

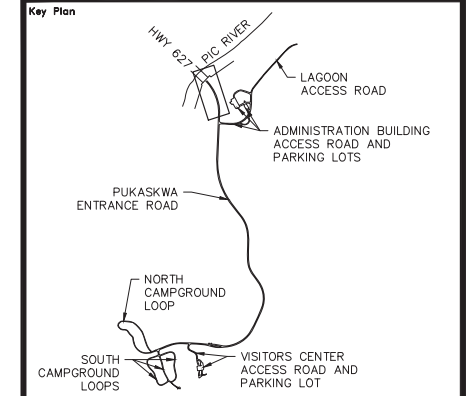
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Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			6/9
			Sheet No. / No de la feuille C-17

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	— PCU —	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	— CCS —	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	— UT —	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○	ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	RV OUTLET
—	EXIST. SANI FORCEMAIN	⊙	FLAG POLE
— W —	EXIST. WATERMAIN	●	BOLLARD
WV	WATER VALVE	○	BOLLARD
WW	WATER WELL	⊓	SIGN
FH	FIRE HYDRANT	—	LIGHT DUTY SILT FENCE
▨	CLEARING & GRUBBING	▨	SANI. SEWER REMOVAL
▩	ASPHALT IN-PLACE PROCESSING	▩	SANI. FORCEMAIN REMOVAL
▧	CULVERT TO BE REMOVED	×	MISCELLANEOUS REMOVALS

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

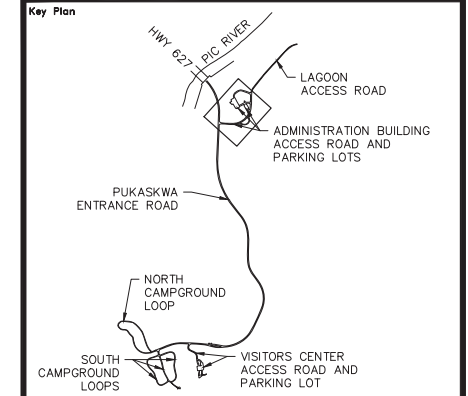
Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp Sceau de l'ingénieur
--	--

Drawing title/Titre du dessin
REMOVALS
PUKASKWA ENTRANCE ROAD
 19+750 TO 20+000

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Dessiné par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin			7/9
Sheet No./N ^o de la feuille			C-18

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	— PCU —	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE GUIDE RAIL	— CCS —	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	— UT —	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○	ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	RV OUTLET
—	EXIST. SANI FORCEMAIN	⊙	LIGHT POLE
—	WATERMAIN	●	FLAG POLE
—	WV WATER VALVE	○	BOLLARD
—	WW WATER WELL	□	SIGN
—	FH FIRE HYDRANT	—	LIGHT DUTY SILT FENCE
▨	CLEARING & GRUBBING	▨	SANI. SEWER REMOVAL
▨	ASPHALT IN-PLACE PROCESSING	▨	SANI. FORCEMAIN REMOVAL
▨	CULVERT TO BE REMOVED	×	MISCELLANEOUS REMOVALS

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

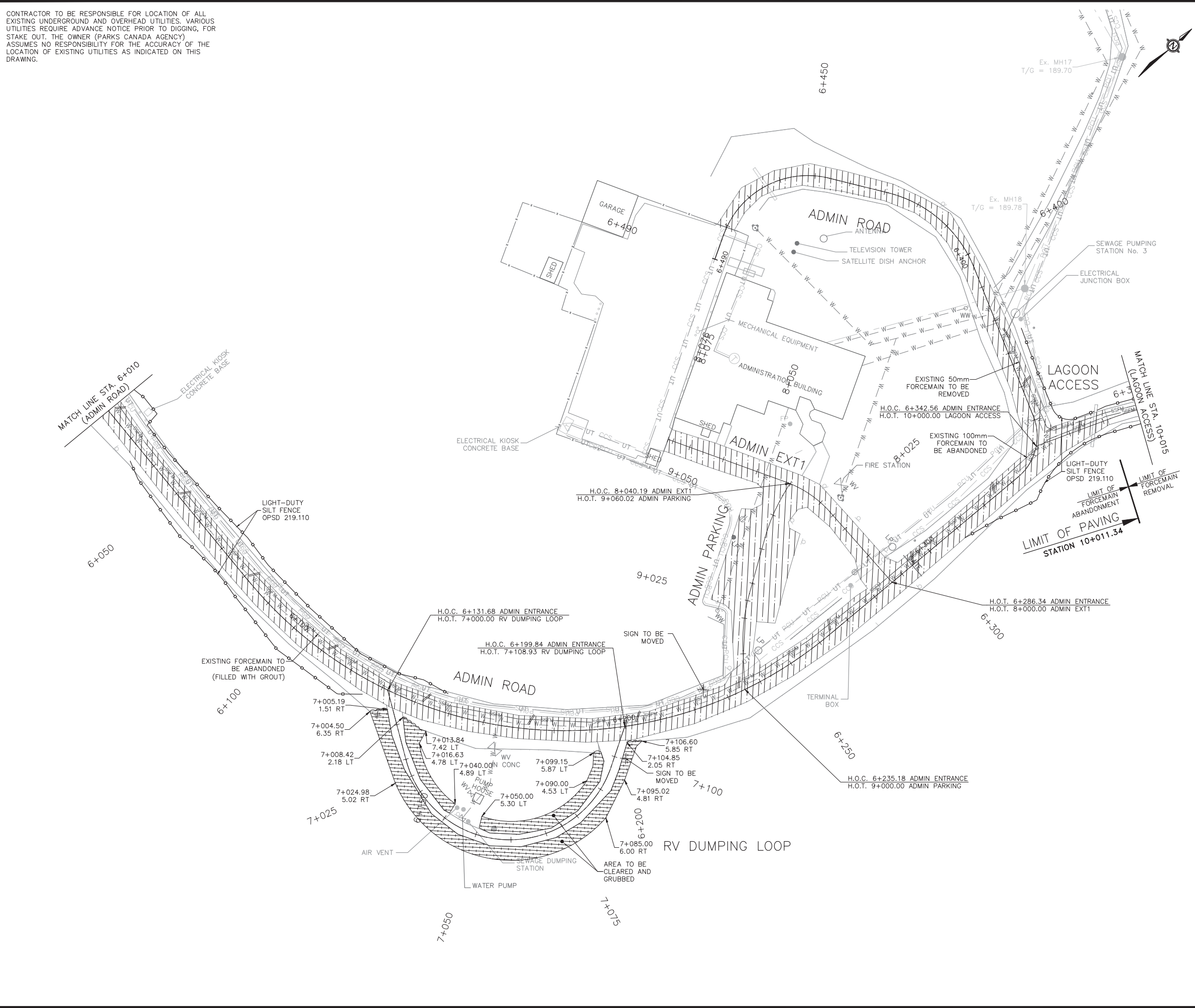
Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
08/22/17
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THAYER
10013638
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
REMOVALS
ADMIN ROAD & ADMIN PARKING
& RV DUMPING LOOP

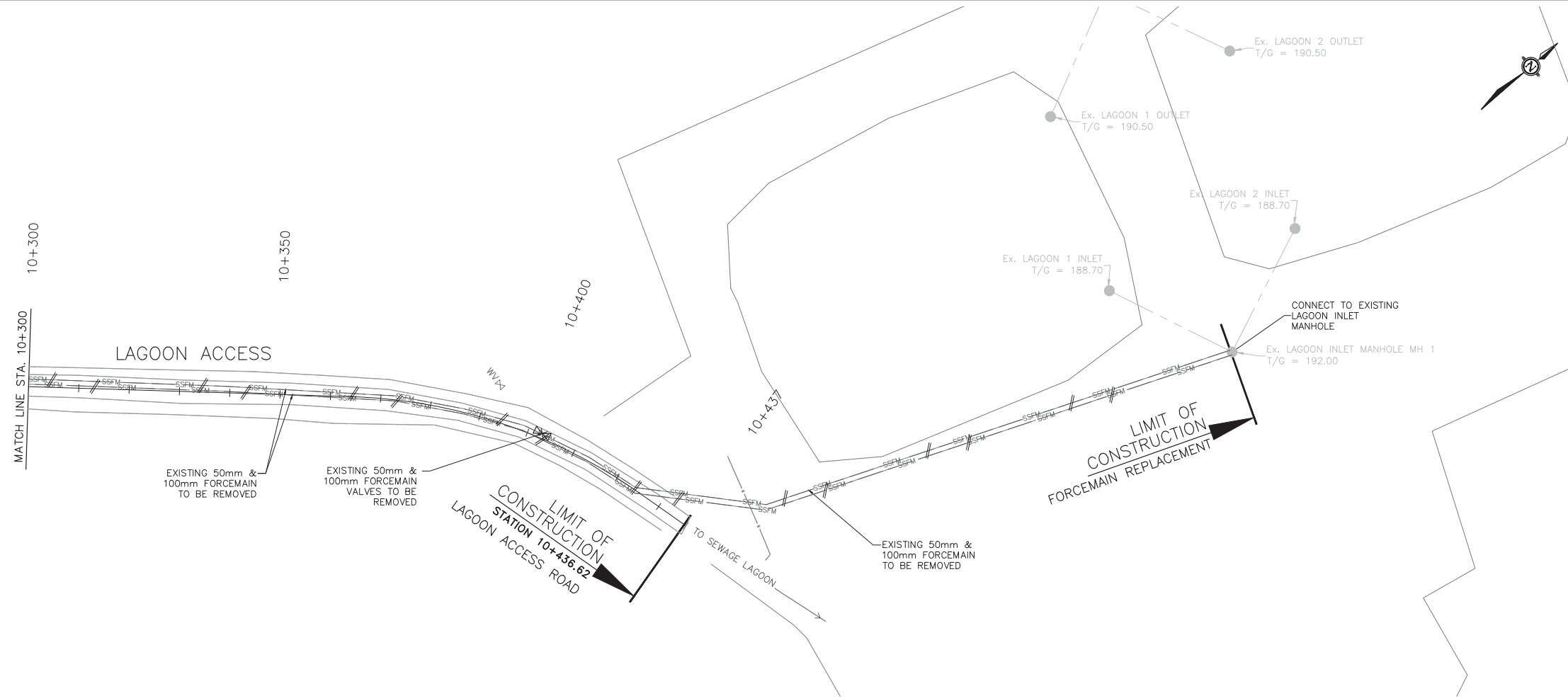
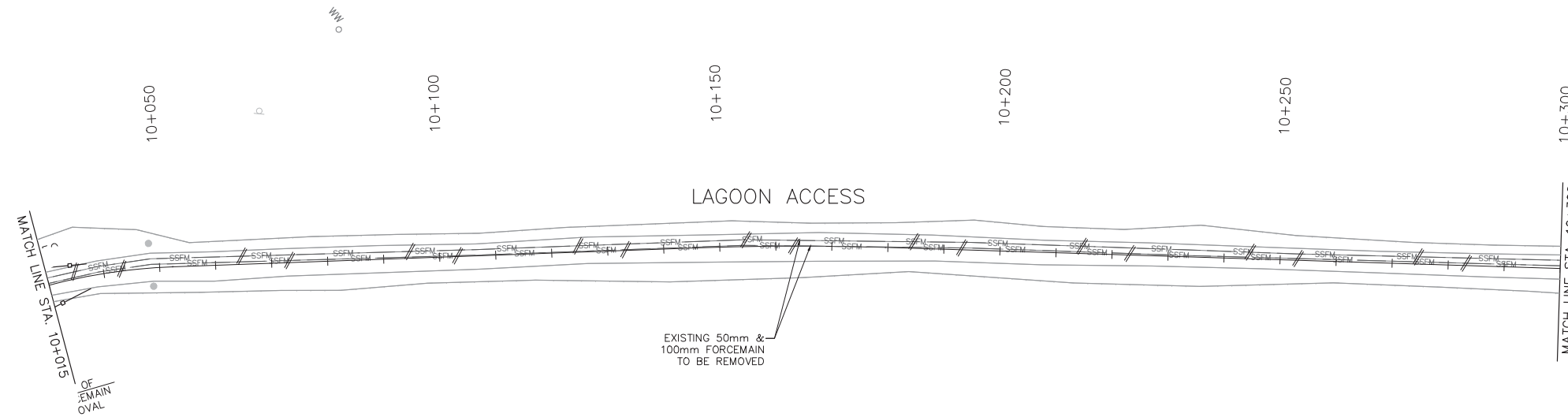
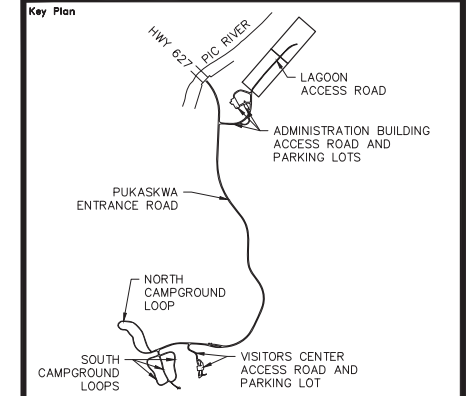
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Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-19



CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

Canada

Parks Canada Northern Ontario Field Unit
Parcs Canada Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	— PCU —	PRIMARY ELECTRICAL LINE
---	EXIST. CABLE	— CCS —	SECONDARY ELECTRICAL LINE
---	EXIST. CULVERT	— UT —	BELL UTILITY LINE
●	EXIST. SANI MANHOLE	○	ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	RV OUTLET
— SSFM —	EXIST. SANI FORCEMAIN	○ LP	LIGHT POLE
— W — W —	EXIST. WATERMAIN	● FP	FLAG POLE
WV	WATER VALVE	●	BOLLARD
WW	WATER WELL	□	SIGN
FH	FIRE HYDRANT	—	LIGHT DUTY SILT FENCE
▨	CLEARING & GRUBBING	—	SANI. SEWER REMOVAL
▩	ASPHALT IN-PLACE PROCESSING	—	SANI. FORCEMAIN REMOVAL
—	CULVERT TO BE REMOVED	×	MISCELLANEOUS REMOVALS

0	17/08/22	Issued for Tender	PO	JW
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Revision / Revision

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
08/22/17
PROVINCE OF ONTARIO

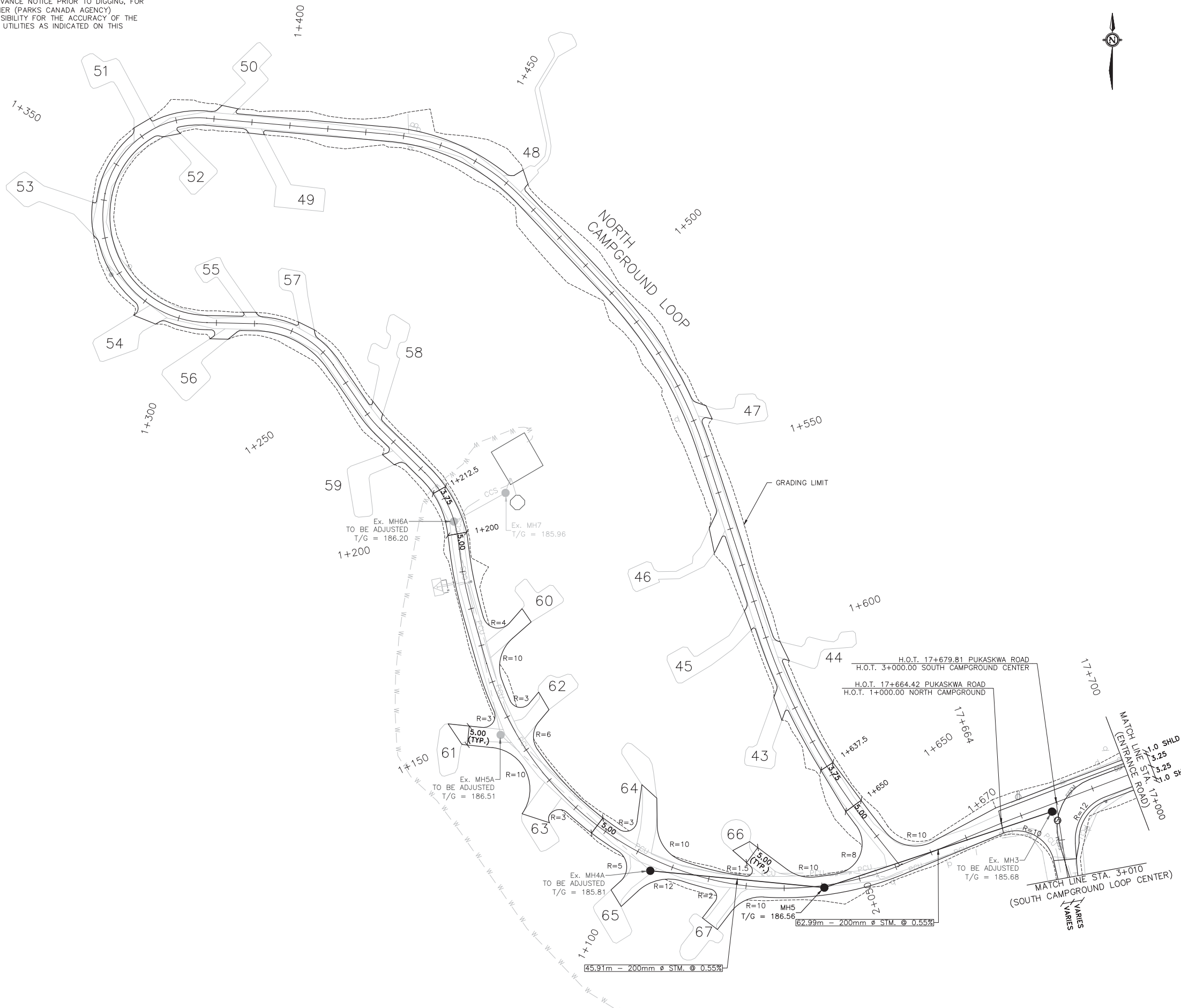
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THENER
10013038
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
REMOVALS
LAGOON ACCESS
10+015 TO 10+437

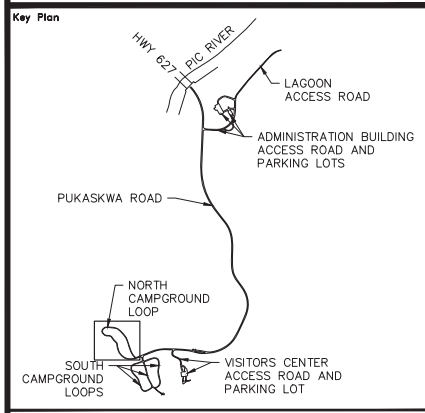
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Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin	9/9	Sheet No. / No de la feuille	C-20

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING. FOR STAKE OUT, THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	WV	WATER VALVE
---	EXIST. CABLE	WW	WATER WELL
---	GUIDE RAIL	FH	FIRE HYDRANT
---	EXIST. CULVERT	PCU	PRIMARY ELECTRICAL LINE
---	PROP. DITCH	CCS	SECONDARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	UT	BELL UTILITY LINE
●	PROP. SANI MANHOLE	○	ELECTRICAL MARKER
---	EXIST. SANI SEWER	LP	RV OUTLET
---	PROP. SANI SEWER	○	LIGHT POLE
---	EXIST. SANI FORCEMAIN	□	SIGN
---	PROP. SANI FORCEMAIN	×	PROPOSED GRADE ELEVATION
---	EXIST. WATERMAIN	---	GRADING LIMIT
---	EXIST. GROUND	---	PROP. PROFILE
---	APPROX. ROCK LINE	---	PROP. DITCH LT
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

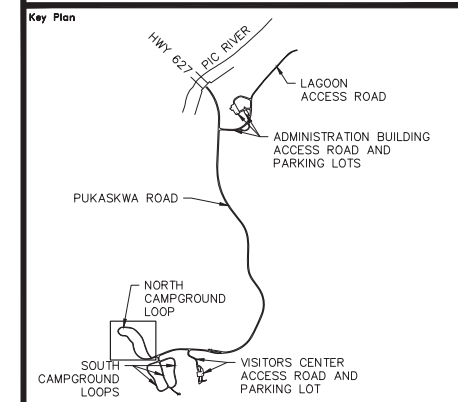
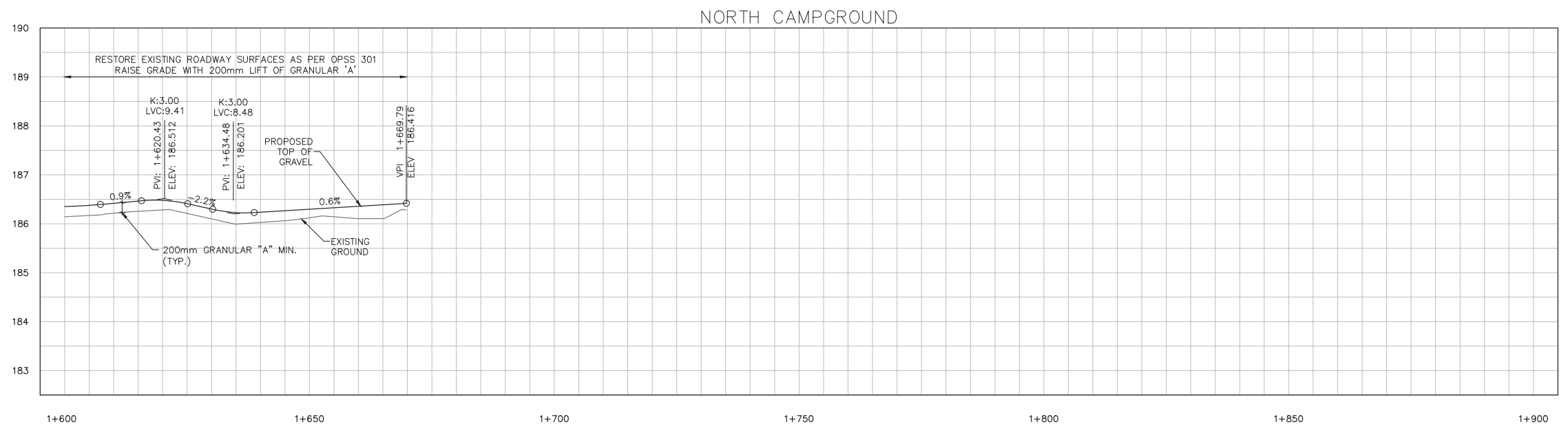
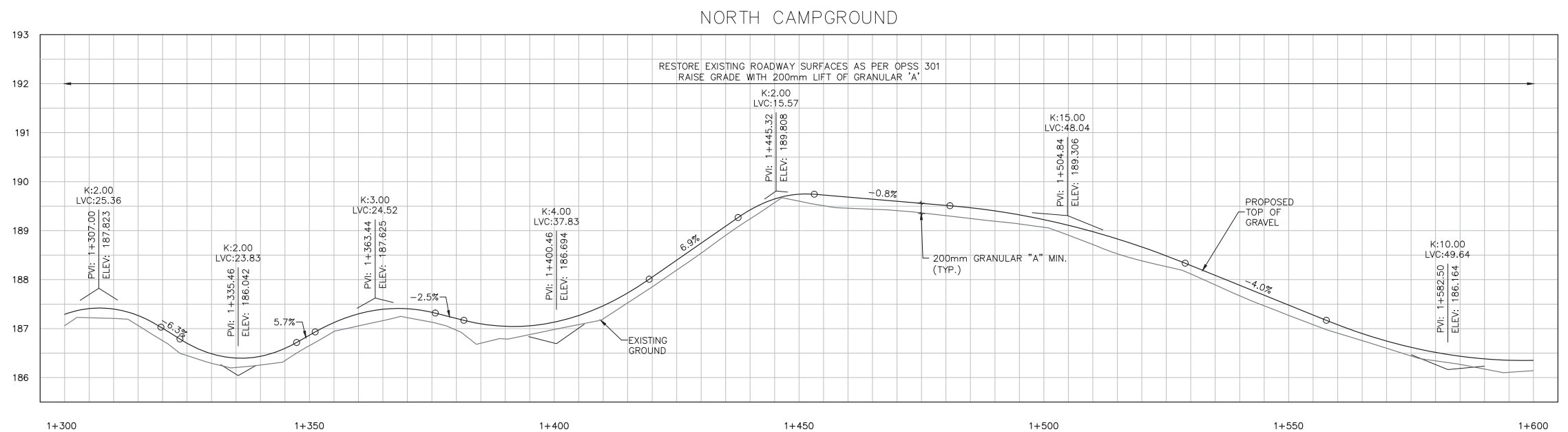
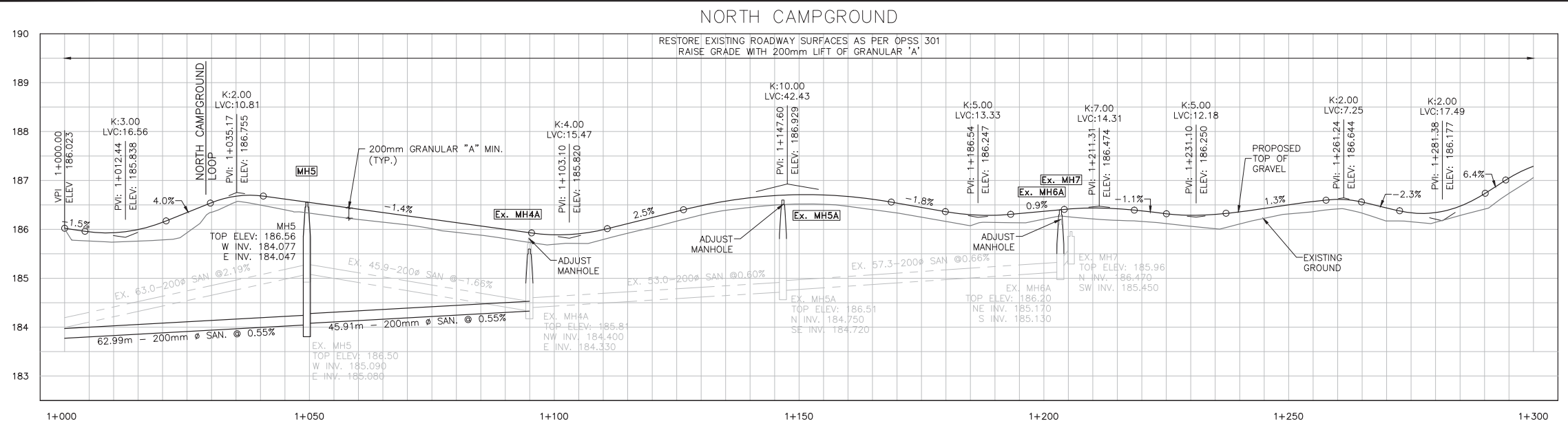
Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500	Eng. Stamp / Sceau de l'ingénieur
--	---------------------------------------

Project title / Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp / Sceau de l'ingénieur
---	---------------------------------------

Drawing title / Titre du dessin
PLAN
NORTH CAMPGROUND LOOP
 1+000 TO 1+670

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-21



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE GUIDE RAIL	○	WATER WELL
—	EXIST. CULVERT	⊕	FIRE HYDRANT
—	PROP. DITCH	—	PCU — PRIMARY ELECTRICAL LINE
—	EXIST. SANI MANHOLE	—	CCS — SECONDARY ELECTRICAL LINE
—	PROP. SANI MANHOLE	—	UT — BELL UTILITY LINE
—	EXIST. SANI SEWER	○	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕	RV OUTLET
—	SSFM — EXIST. SANI FORCEMAIN	○	LP — LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	SN — SIGN
—	EXIST. WATERMAIN	⊗	185.53 — PROPOSED GRADE ELEVATION
—	EXIST. GROUND	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
---		---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

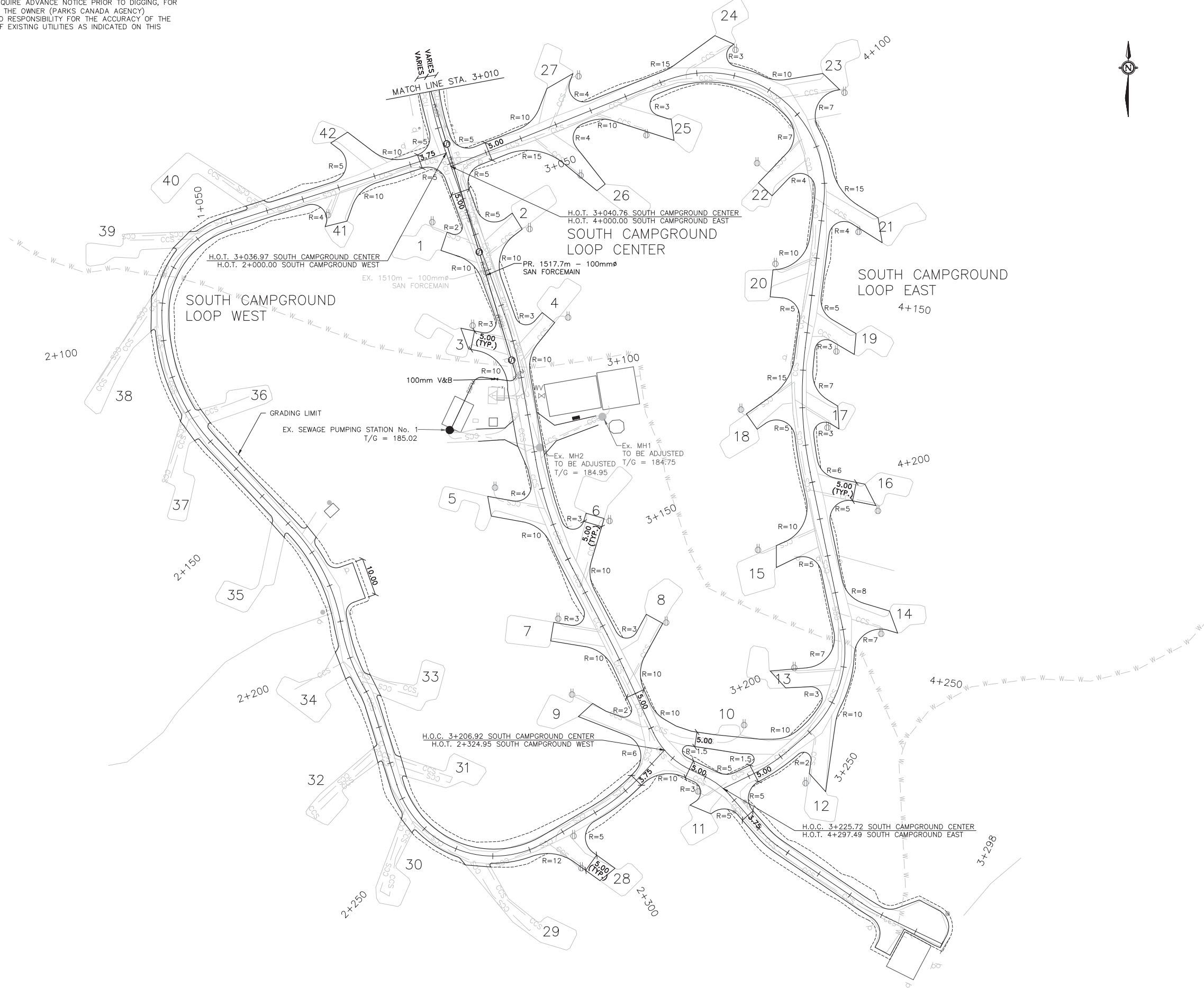
Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project title/Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp Sceau de l'ingénieur
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Drawing title/Titre du dessin
PROFILE NORTH CAMPGROUND LOOP

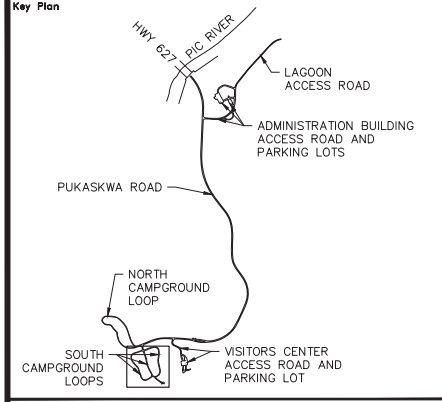
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Drawn by/Dessiné par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin			Sheet No./N ^o de la feuille C-22

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Canada

Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario



Legend

---	TREE LINE	⊗	WATER VALVE	
---	EXIST. CABLE GUIDE RAIL	○	WATER WELL	
---	EXIST. CULVERT	⊕	FIRE HYDRANT	
- - -	PROP. DITCH	—	PCU — PRIMARY ELECTRICAL LINE	
●	EXIST. SANI MANHOLE	—	CCS — SECONDARY ELECTRICAL LINE	
●	PROP. SANI MANHOLE	—	UT — BELL UTILITY LINE	
—	EXIST. SANI SEWER	○	ELECTRICAL MARKER	
—	PROP. SANI SEWER	⊕	RV OUTLET	
—	SSFM — EXIST. SANI FORCEMAIN	○	LIGHT POLE	
—	PROP. SANI FORCEMAIN	⊕	⊕	SIGN
—	EXIST. WATERMAIN	⊕	⊕	PROPOSED GRADE ELEVATION
---	EXIST. GROUND	---	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	---	PROP. DITCH LT
		---	---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

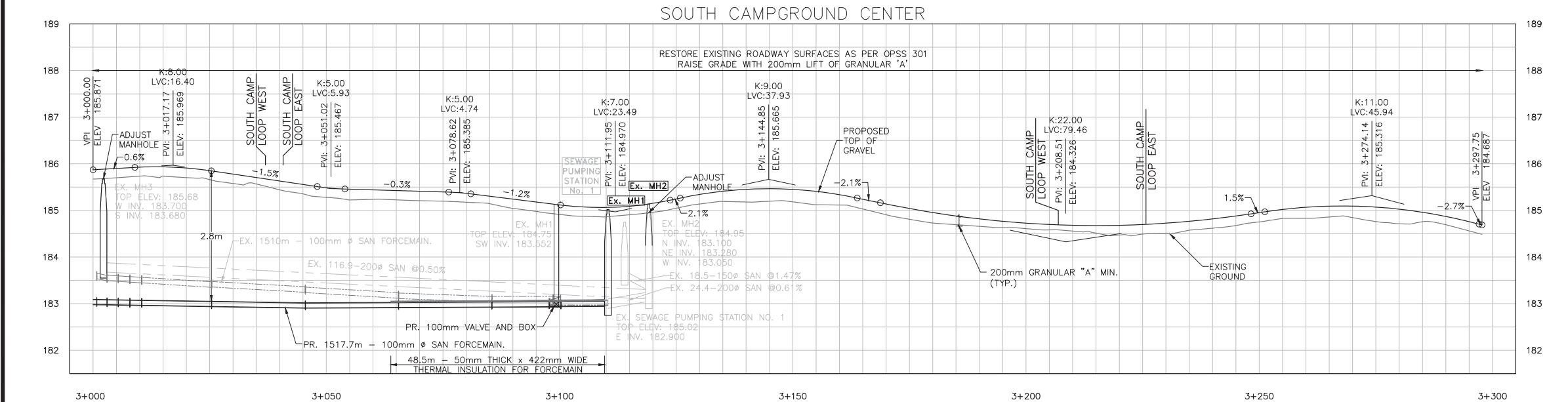
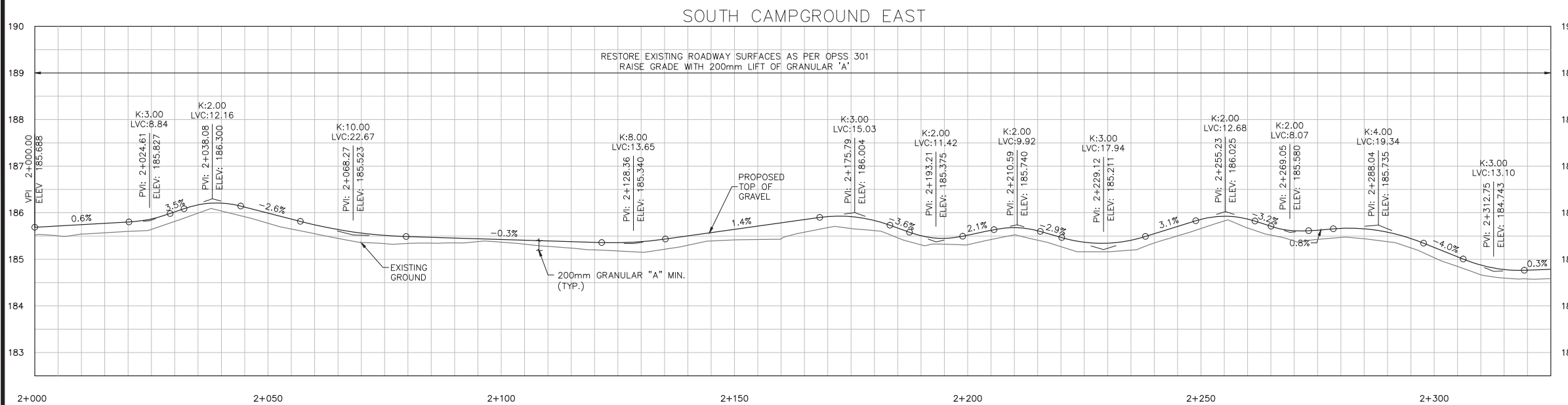


Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

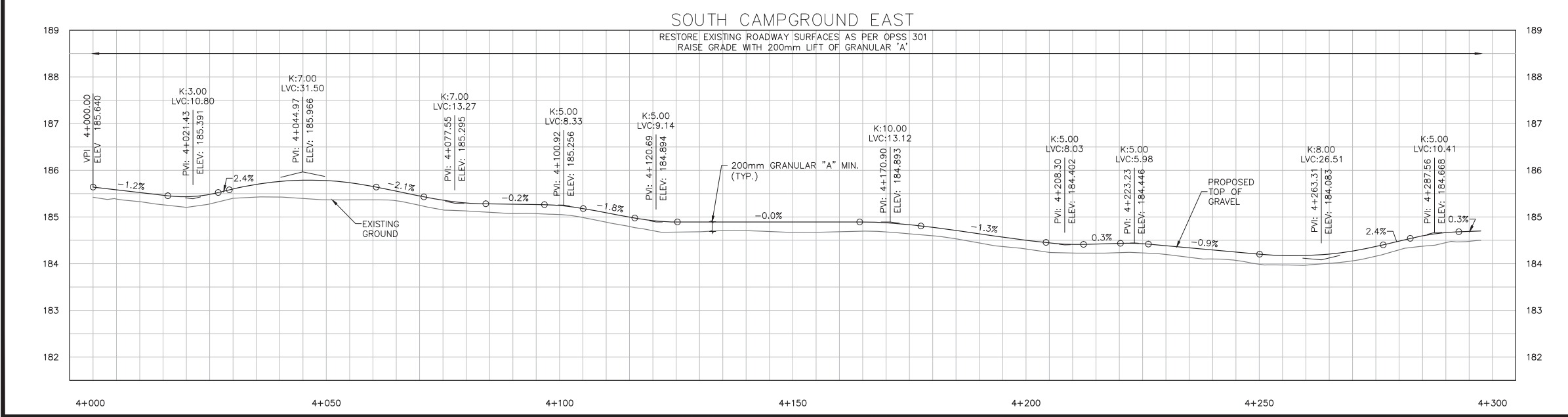
Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
PLAN
SOUTH CAMPGROUND LOOPS

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-23
			3/18



TOP OF FORCEMAIN	183.09	183.02	TOP OF FORCEMAIN
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Parks Canada / Parcs Canada
Northern Ontario Field Unit / Unité de gestion du Nord de l'Ontario

Key Plan

Legend

—	TREE LINE	⊗	WATER VALVE	
—	EXIST. CABLE GUIDE RAIL	⊙	WATER WELL	
—	EXIST. CULVERT	⊕	FIRE HYDRANT	
—	PROP. DITCH	—	PCU — PRIMARY ELECTRICAL LINE	
—	EXIST. SANI MANHOLE	—	CCS — SECONDARY ELECTRICAL LINE	
●	PROP. SANI MANHOLE	—	UT — BELL UTILITY LINE	
—	EXIST. SANI SEWER	⊙	ELECTRICAL MARKER	
—	PROP. SANI SEWER	⊕	RV OUTLET	
—	SSFM — EXIST. SANI FORCEMAIN	⊙	LIGHT POLE	
—	PROP. SANI FORCEMAIN	⊕	⊕	SIGN
—	EXIST. WATERMAIN	⊕	⊕	PROPOSED GRADE ELEVATION
—	EXIST. GROUND	---	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	---	PROP. DITCH LT
---		---	---	PROP. DITCH RT

0	17/08/22	Issued for Tender	PO	JW
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No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

A Detail number / Numéro de détail	B Sheet number / Numéro de la feuille
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Consultant's Name / Nom de l'expert-consultant PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp / Sceau de l'ingénieur
--	---------------------------------------

Project title / Titre du projet Road Reconstruction Project Pukaskwa National Park Heron Bay, Ontario	Eng. Stamp / Sceau de l'ingénieur
---	---------------------------------------

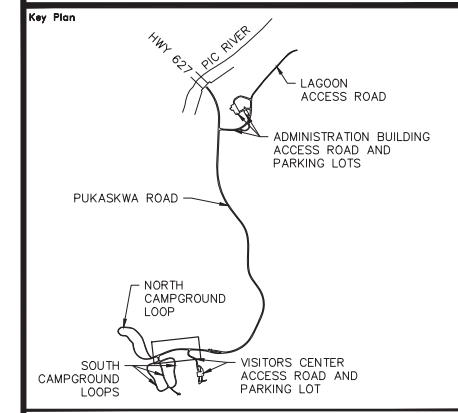
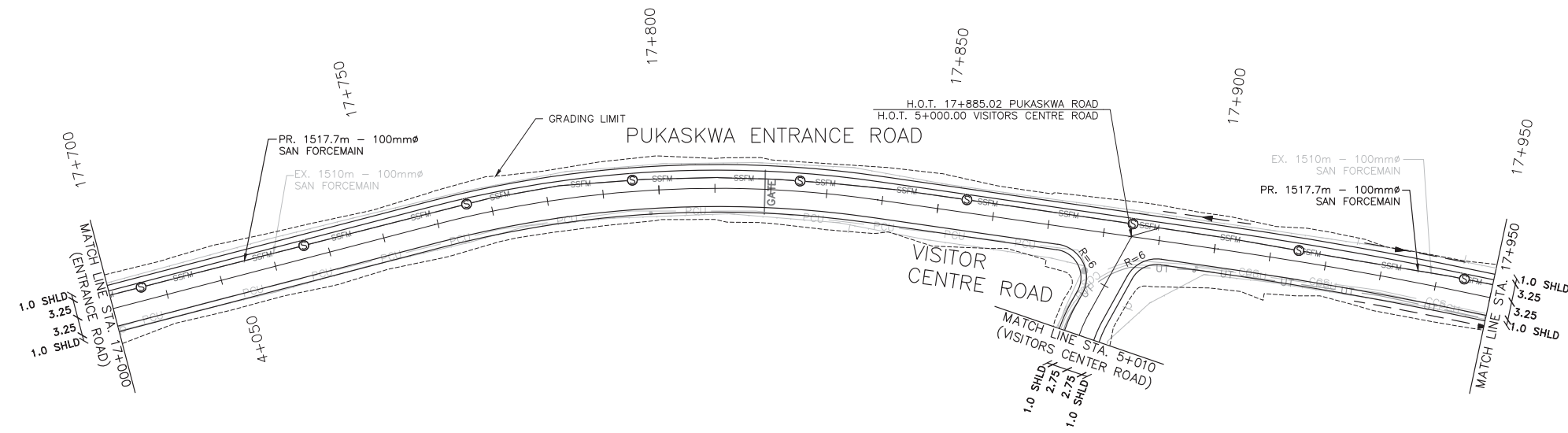
Drawing title / Titre du dessin

PROFILE SOUTH CAMPGROUND LOOPS

Designed by / Concept par PO	Date 16/12/09
Drawn by / Dessiné par PO	Date 16/12/09
Checked by / Vérifié par JW	Date 16/12/09
Approved by / Approuvé par JW	Date 16/12/09
Project No. / No du projet 00791	Scale / Échelle 1:1000
Drawing Set No. / No de série du dessin 4/18	

Sheet No. / N° de la feuille
C-24

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

	TREE LINE		WATER VALVE
	EXIST. CABLE GUIDE RAIL		WATER WELL
	EXIST. CULVERT		FIRE HYDRANT
	PROP. DITCH		PRIMARY ELECTRICAL LINE
	EXIST. SANI MANHOLE		SECONDARY ELECTRICAL LINE
	PROP. SANI MANHOLE		BELL UTILITY LINE
	EXIST. SANI SEWER		ELECTRICAL MARKER
	PROP. SANI SEWER		RV OUTLET
	EXIST. SANI FORCEMAIN		LIGHT POLE
	PROP. SANI FORCEMAIN		SIGN
	EXIST. WATERMAIN		PROPOSED GRADE ELEVATION
	EXIST. GROUND		GRADING LIMIT
	APPROX. ROCK LINE		PROP. PROFILE
	PROP. IN-PLACE PROCESSING		PROP. DITCH LT
			PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

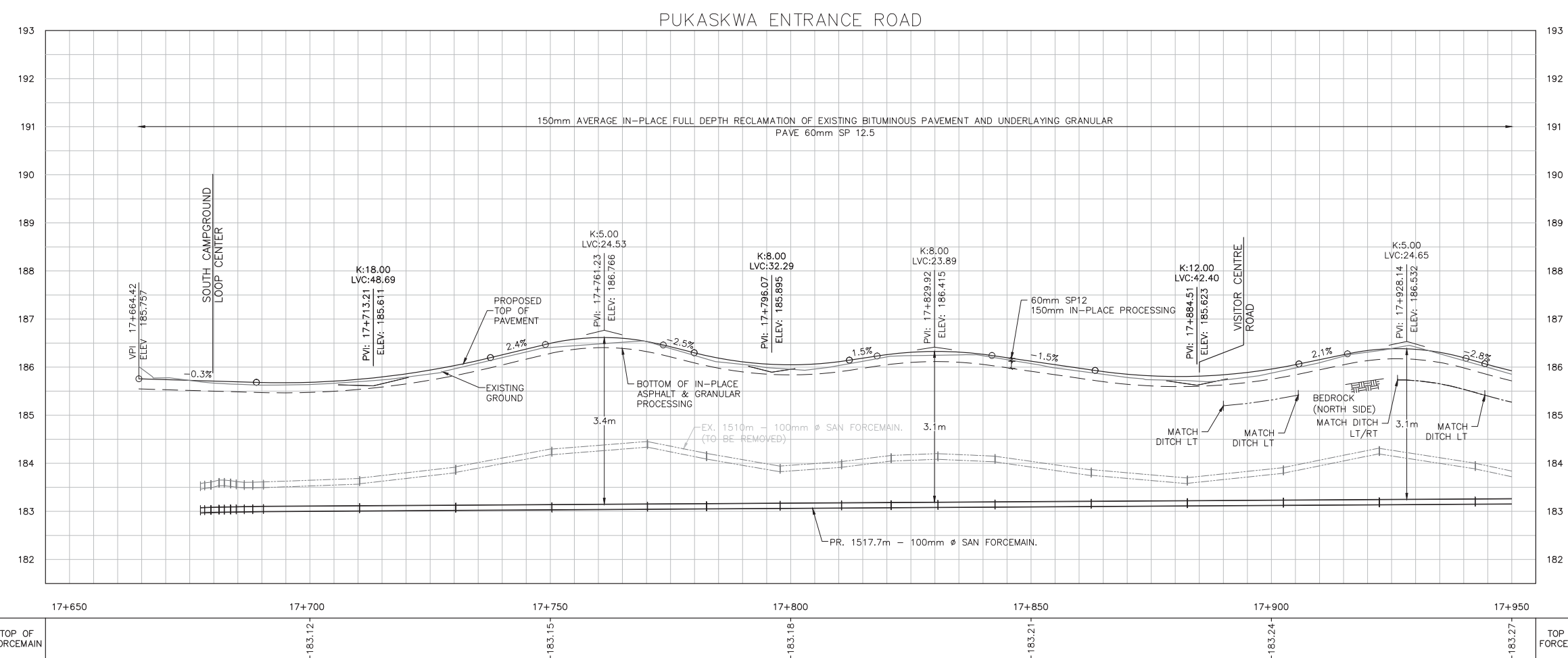
Eng. Stamp / Sceau de l'ingénieur

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur

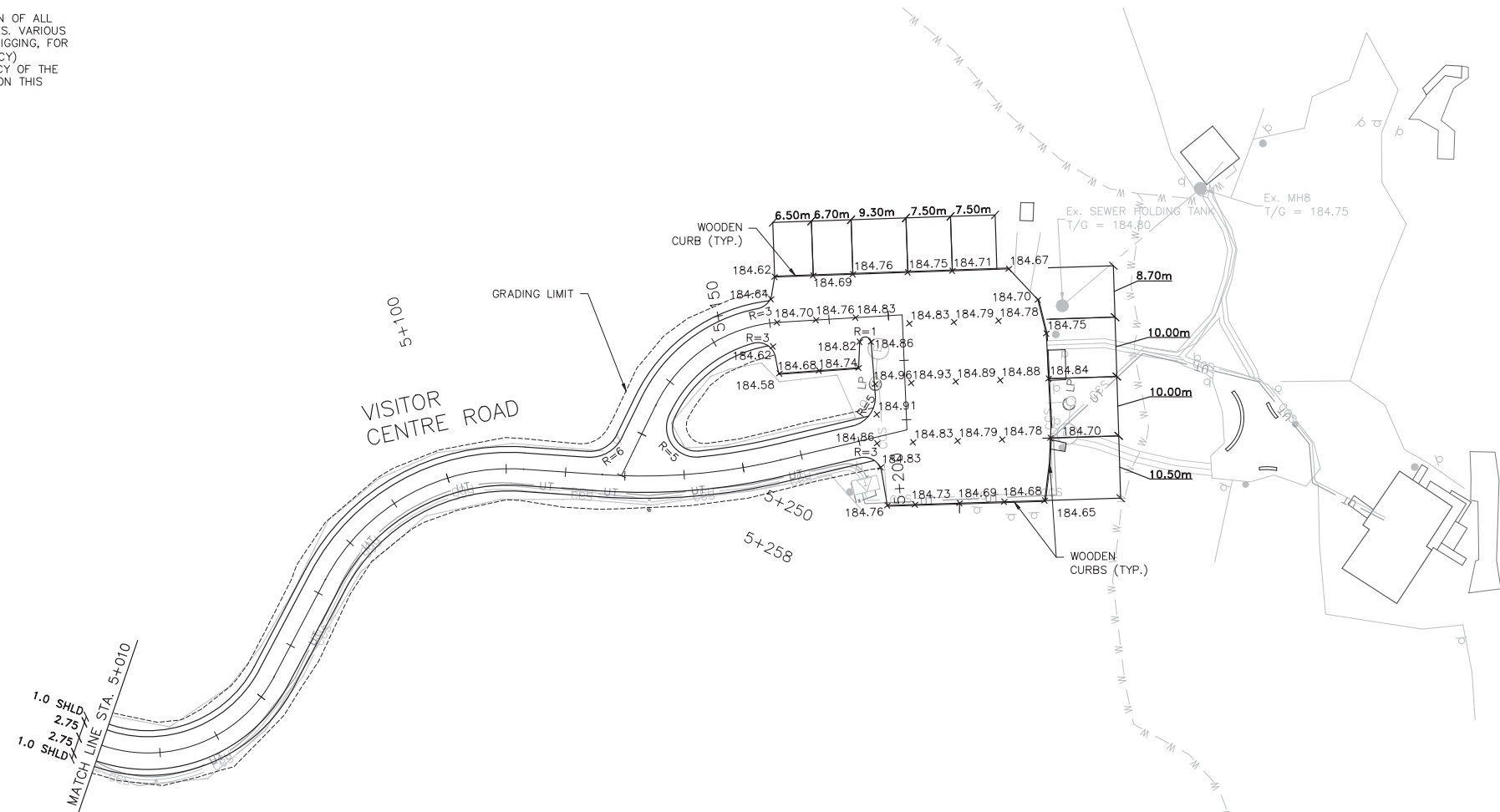
Drawing title / Titre du dessin
**PLAN & PROFILE
PUKASKWA ENTRANCE ROAD**
17+664 TO 17+950

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-25

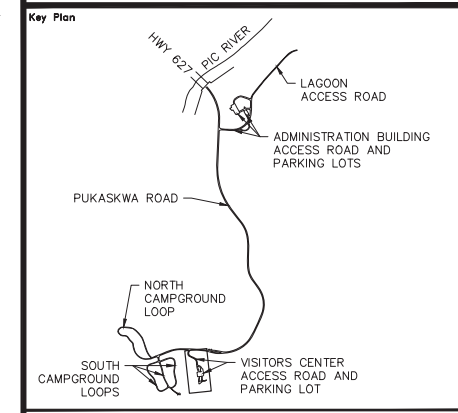
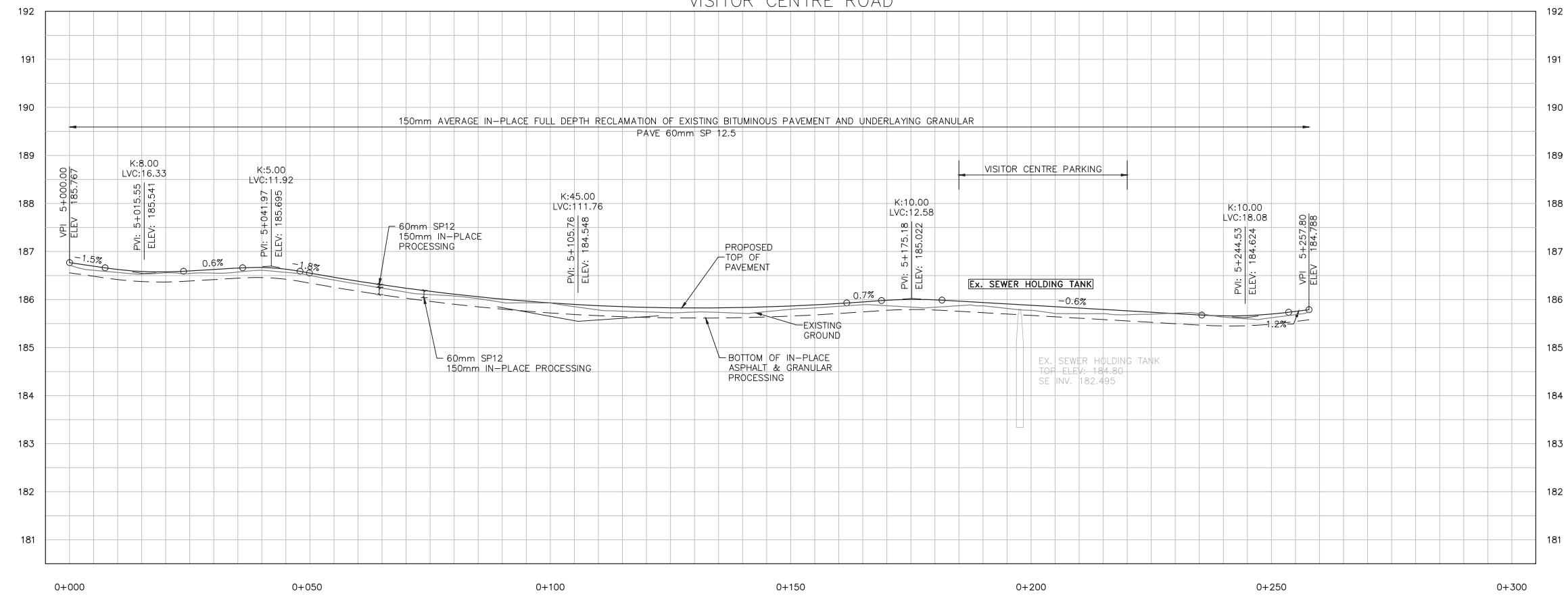


TOP OF FORCEMAIN	17+650	17+700	17+750	17+800	17+850	17+900	17+950	TOP OF FORCEMAIN
		-183.12	-183.15	-183.18	-183.21	-183.24	-183.27	

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



VISITOR CENTRE ROAD



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE	○	WATER WELL
—	EXIST. CULVERT	⊕	FIRE HYDRANT
—	PROP. DITCH	— PCU —	PRIMARY ELECTRICAL LINE
—	EXIST. SANI MANHOLE	— CCS —	SECONDARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	— UT —	BELL UTILITY LINE
—	EXIST. SANI SEWER	⊙	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕ LP	RV OUTLET
— SSFM —	EXIST. SANI FORCEMAIN	○	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	SIGN
—	EXIST. WATERMAIN	⊗	PROPOSED GRADE ELEVATION
—	EXIST. GROUND	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
		---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
J. WECORBER
08/22/17
PROFESSEUR D'INGÉNIEUR

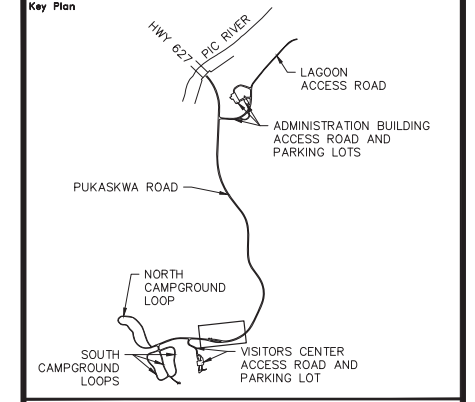
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THENER
10013638
PROFESSEUR D'INGÉNIEUR

Drawing title / Titre du dessin
PLAN & PROFILE
VISITOR CENTRE ROAD
5+000 TO 5+258

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-26

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE GUIDE RAIL	⊙	WATER WELL
—	EXIST. CULVERT	⊕	FIRE HYDRANT
- - -	PROP. DITCH	— PCU —	PRIMARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	— CCS —	SECONDARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	— UT —	BELL UTILITY LINE
—	EXIST. SANI SEWER	⊙	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕	RV OUTLET
— SSFM —	EXIST. SANI FORCEMAIN	⊙	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	PROP. GRADE ELEVATION
— W — W —	EXIST. WATERMAIN	⊕	GRADING LIMIT
—	EXIST. GROUND	—	PROP. PROFILE
—	APPROX. ROCK LINE	—	PROP. DITCH LT
—	PROP. IN-PLACE PROCESSING	—	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
E. WECORNER
02/22/17

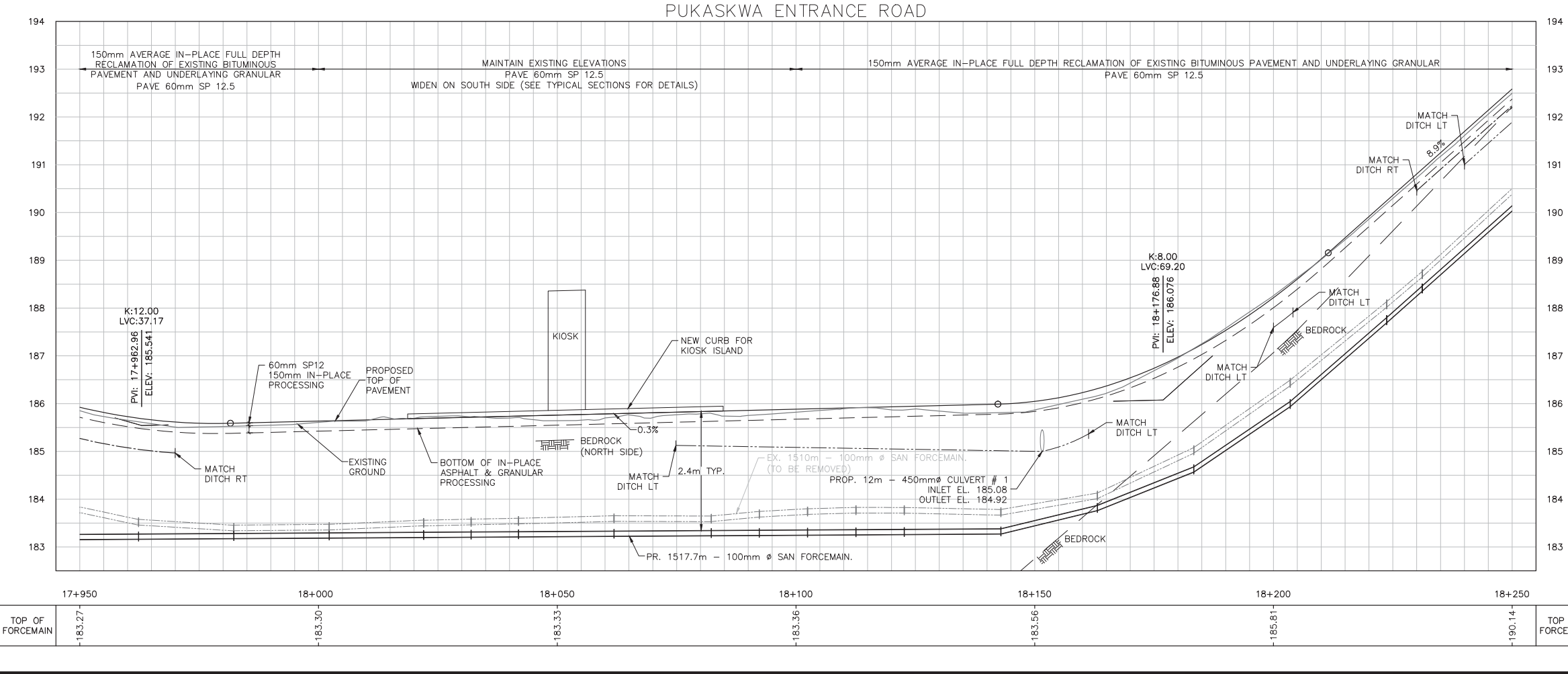
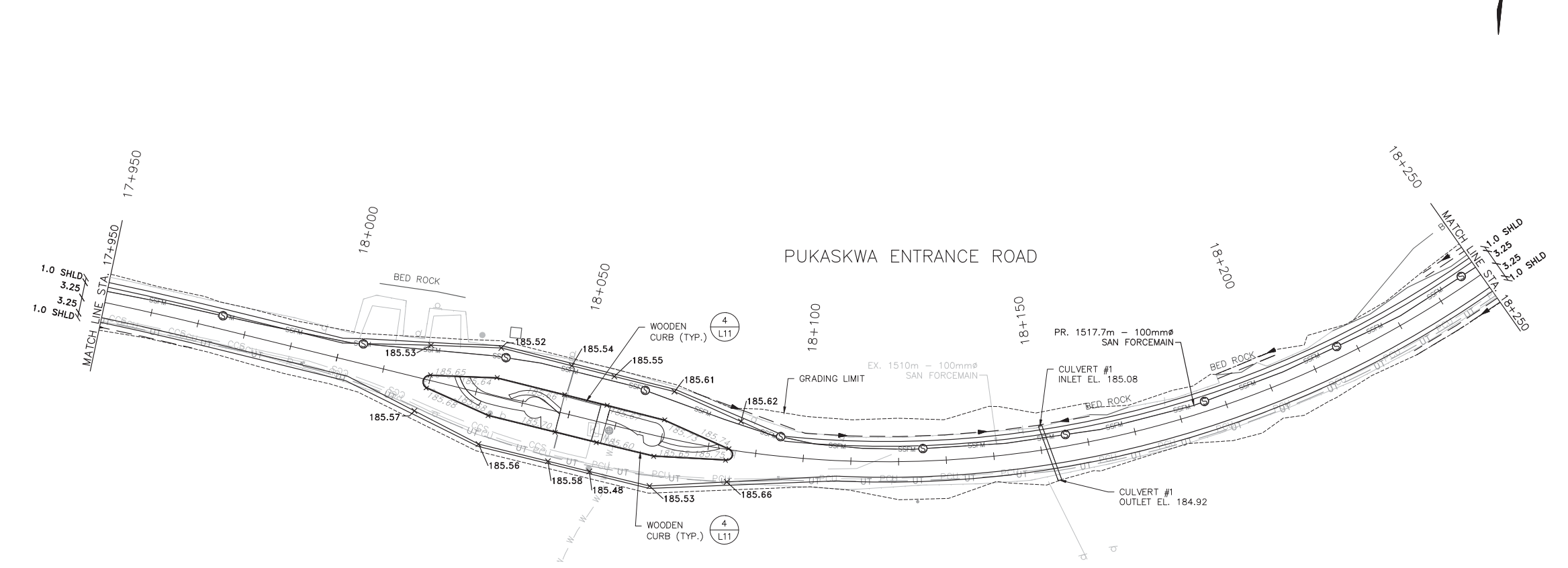
Project title / Titre du projet
Road Reconstruction Project
Pukaska National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THENER
100130338
02/22/17

Drawing title / Titre du dessin
PLAN & PROFILE
PUKASKWA ENTRANCE ROAD
17+950 TO 18+250

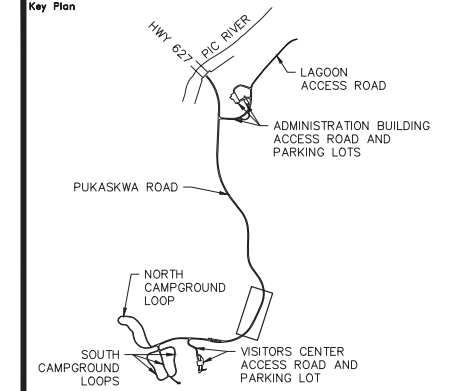
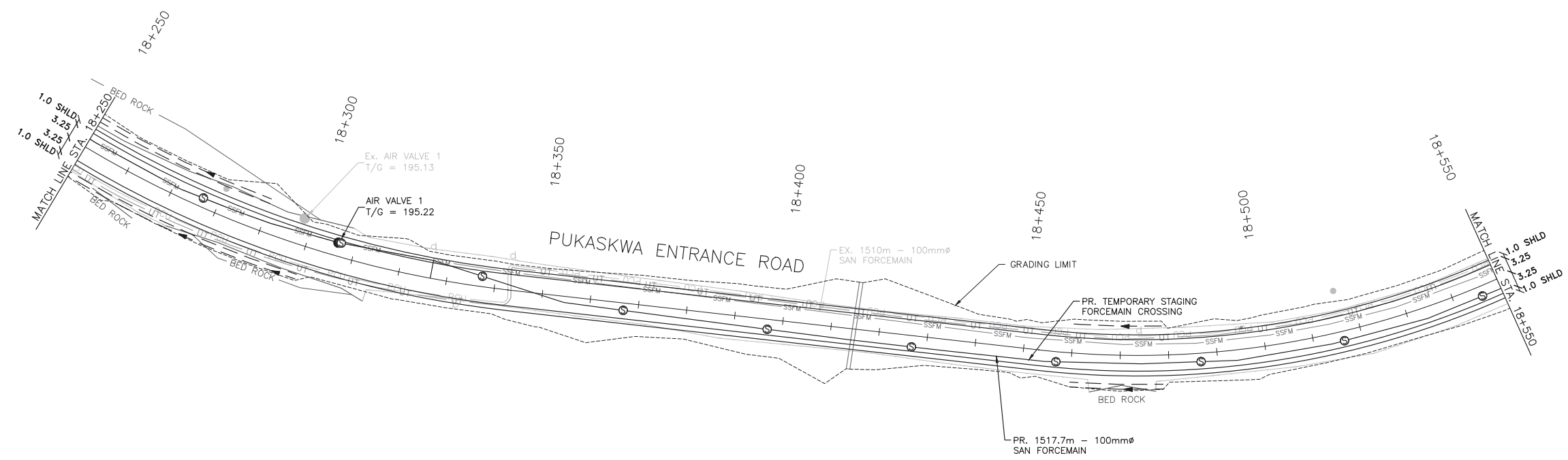
Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet: 00791 | Scale / Échelle: 1:1000 | Sheet No. / No de la feuille: C-27
Drawing Set No. / No de série du dessin: 7/18



TOP OF FORCEMAIN	183.27	183.30	183.33	183.36	183.56	185.81	190.14	TOP OF FORCEMAIN
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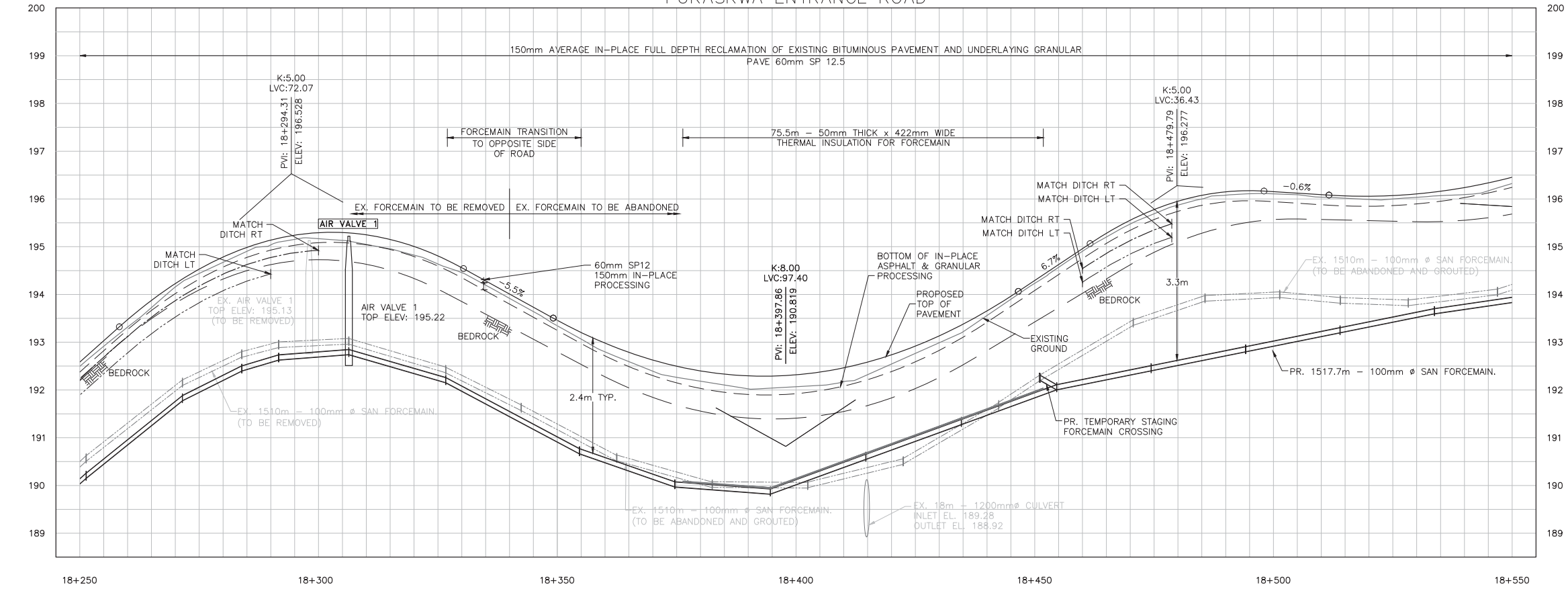
CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE	○	WATER WELL
—	GUIDE RAIL	⊕	FIRE HYDRANT
—	EXIST. CULVERT	—	PCU
—	PROP. DITCH	—	PRIMARY ELECTRICAL LINE
—	EXIST. SANI MANHOLE	—	SECONDARY ELECTRICAL LINE
—	PROP. SANI MANHOLE	—	BELL UTILITY LINE
—	EXIST. SANI SEWER	—	ELECTRICAL MARKER
—	PROP. SANI SEWER	—	RV OUTLET
—	EXIST. SANI FORCEMAIN	—	LIGHT POLE
—	PROP. SANI FORCEMAIN	—	SIGN
—	EXIST. WATERMAIN	—	PROPOSED GRADE ELEVATION
—	EXIST. GROUND	---	GRADING LIMIT
—	APPROX. ROCK LINE	---	PROP. PROFILE
—	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
---		---	PROP. DITCH RT

PUKASKWA ENTRANCE ROAD



TOP OF FORCEMAIN	18+250	18+300	18+350	18+400	18+450	18+500	18+550	TOP OF FORCEMAIN
	190.14	192.80	191.02	190.13	191.95	193.03	193.04	

No.	Date	Description	Drawn by	Approved
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Consultant's Name
Nom de l'expert-consult

PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp
Scieu de l'ingénieur

Project title/Titre du projet

Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp
Scieu de l'ingénieur

Drawing title/Titre du dessin

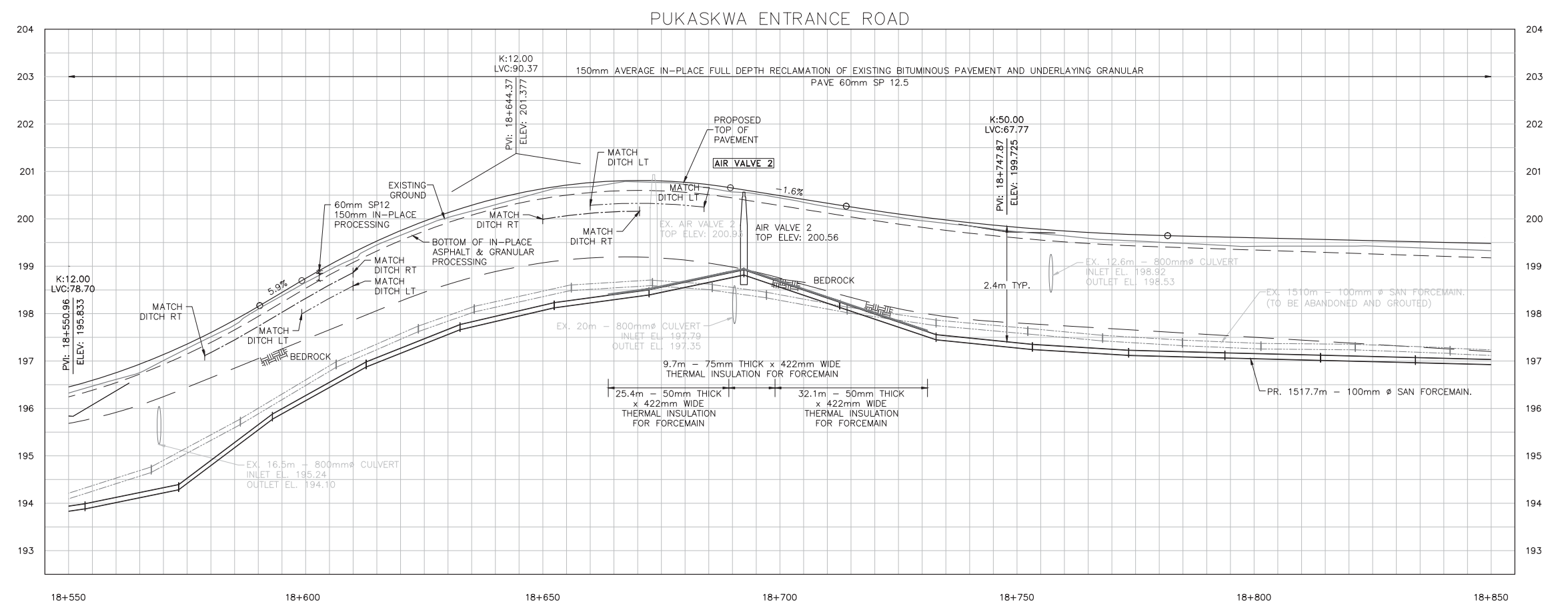
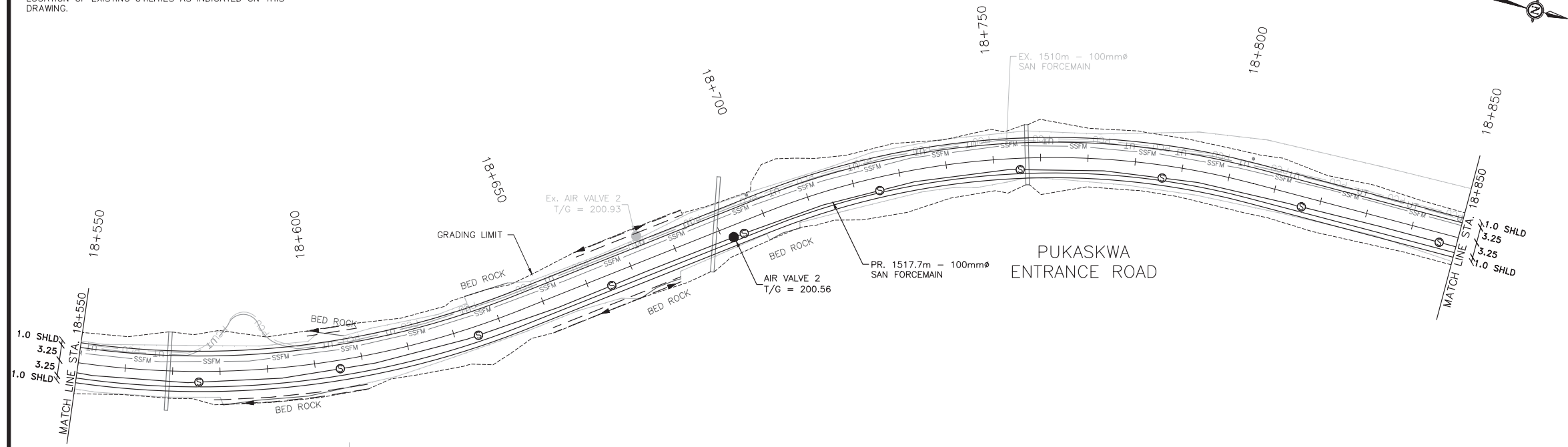
PLAN & PROFILE
PUKASKWA ENTRANCE ROAD

18+250 TO 18+550

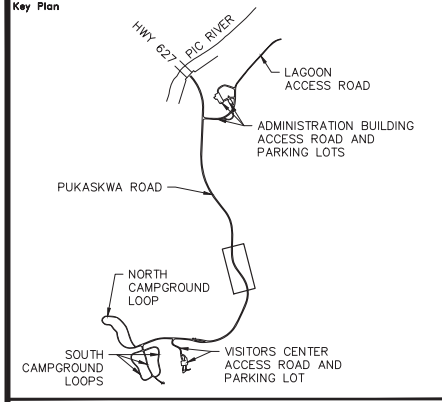
Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09

Project No./No du projet	00791	Scale/Echelle	1:1000	Sheet No./N° de la feuille	C-28
Drawing Set No./N° de série du dessin				8/18	

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



TOP OF FORCEMAIN	193.94	196.28	198.18	198.67	197.39	197.16	197.04	TOP OF FORCEMAIN
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Legend

—●—	TREE LINE	⊗	WATER VALVE
—○—	EXIST. CABLE	○	WATER WELL
—□—	EXIST. CULVERT	⊕	FIRE HYDRANT
—▲—	PROP. DITCH	—PCU—	PRIMARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	—CCS—	SECONDARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	—UT—	BELL UTILITY LINE
—○—	EXIST. SANI SEWER	⊕	ELECTRICAL MARKER
—○—	PROP. SANI SEWER	⊕ _{LP}	RV OUTLET
—SSFM—	EXIST. SANI FORCEMAIN	○	LIGHT POLE
—SSFM—	PROP. SANI FORCEMAIN	⊕	SGN
—W—W—	EXIST. WATERMAIN	⊕	PROPOSED GRADE ELEVATION
—	EXIST. GROUND	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
---		---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
I.E. WECZORER
02/22/17

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

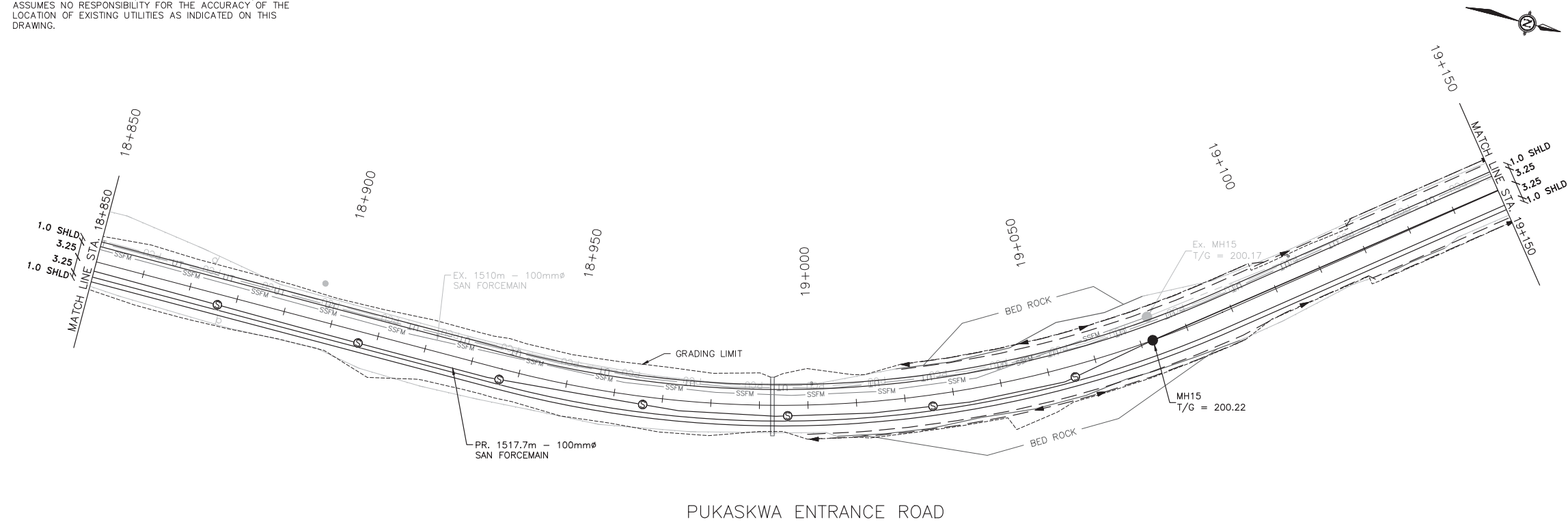
Eng. Stamp / Sceau de l'ingénieur
M.J. THENER
10013638
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
PLAN & PROFILE
PUKASKWA ENTRANCE ROAD
18+550 TO 18+850

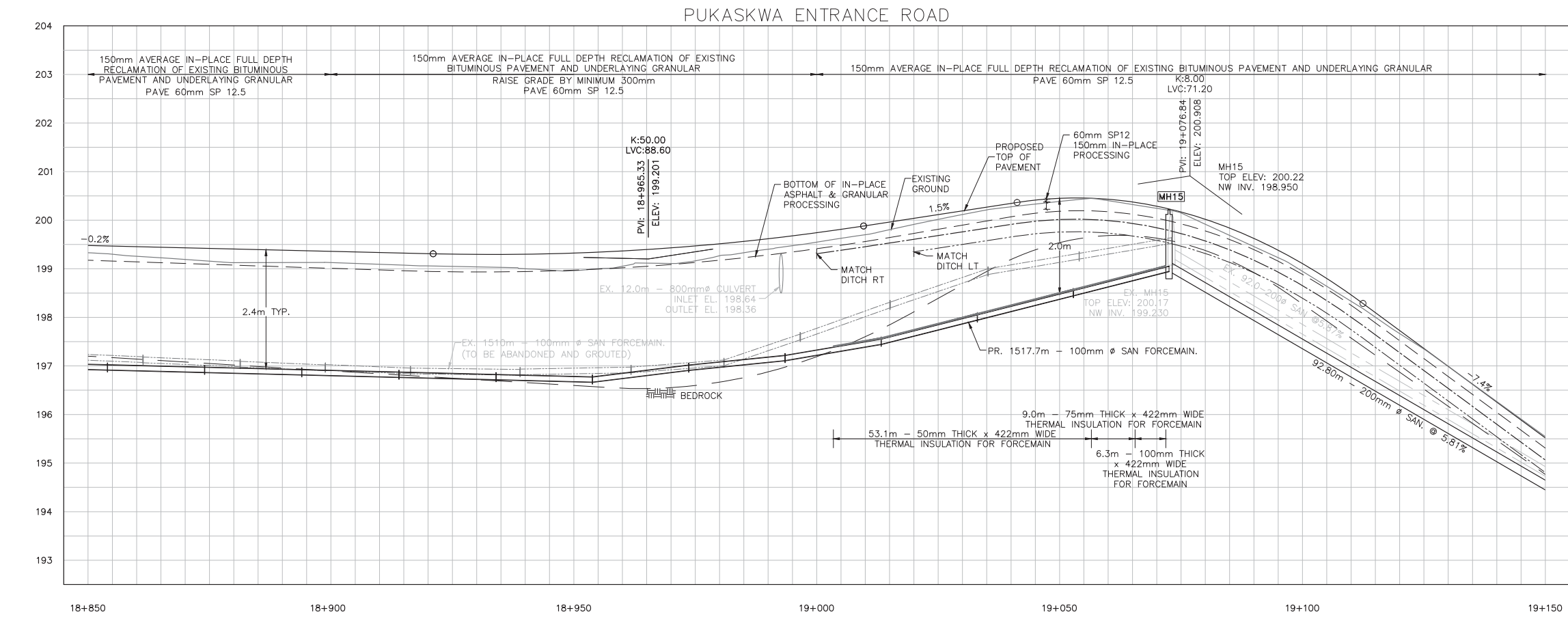
Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet	00791	Scale / Échelle	1:1000	Sheet No. / N° de la feuille	C-29
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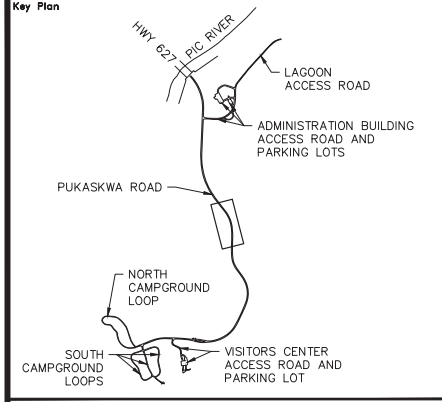
CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



PUKASKWA ENTRANCE ROAD



TOP OF FORCEMAIN	18+850	18+900	18+950	19+000	19+050	19+100	19+150	TOP OF FORCEMAIN
	-197.04	-196.91	-196.79	-197.33	-198.46			



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE	○	WATER WELL
—	EXIST. GUIDE RAIL	⊕	FIRE HYDRANT
—	EXIST. CULVERT	—	PCU — PRIMARY ELECTRICAL LINE
—	PROP. DITCH	—	— CCS — SECONDARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	—	— UT — BELL UTILITY LINE
●	PROP. SANI MANHOLE	○	○ ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	⊕ RV OUTLET
—	PROP. SANI SEWER	⊕	⊕ LP — LIGHT POLE
—	SSFM — EXIST. SANI FORCEMAIN	⊕	⊕ SIGN
—	PROP. SANI FORCEMAIN	⊕	⊕ PROPOSED GRADE ELEVATION
—	EXIST. WATERMAIN	—	— GRADING LIMIT
—	EXIST. GROUND	—	— PROP. PROFILE
—	APPROX. ROCK LINE	—	— PROP. DITCH LT
—	PROP. IN-PLACE PROCESSING	—	— PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
J. WIECZOREK
08/22/17
PROFESOR OF CIVIL ENGINEERING

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

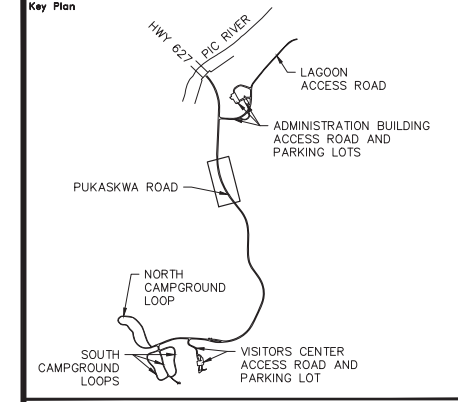
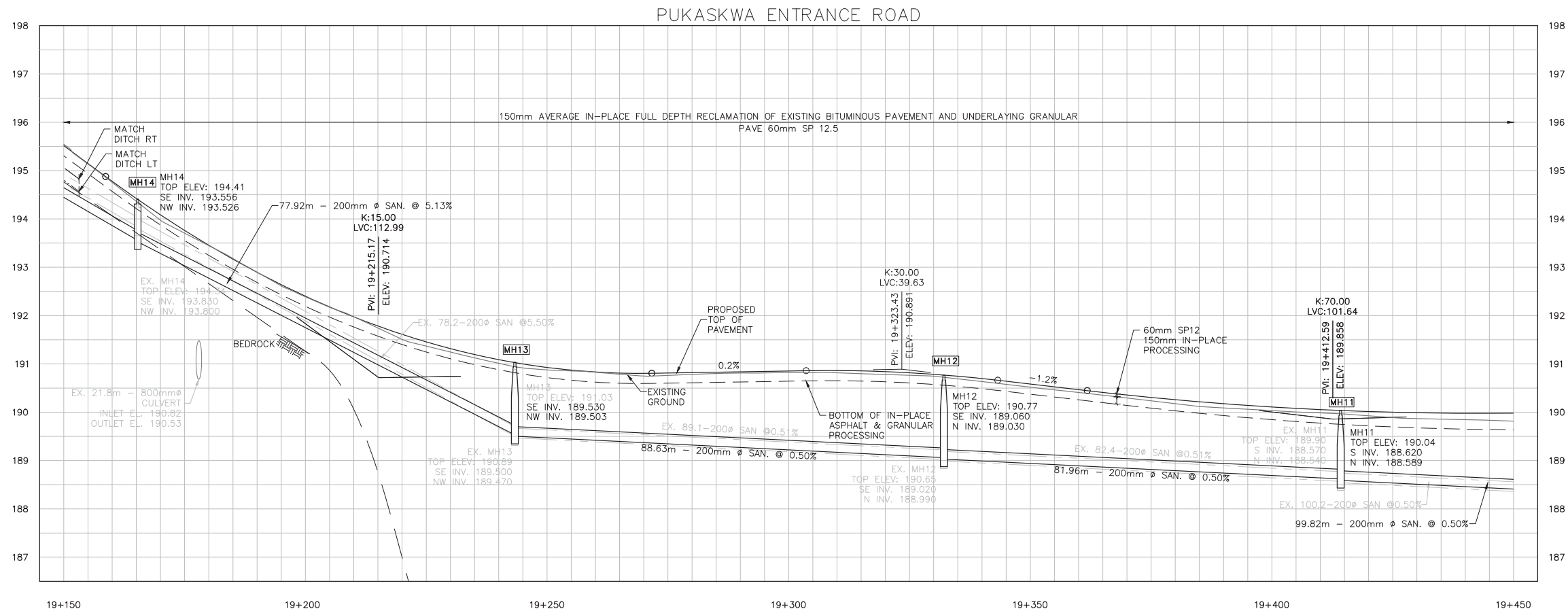
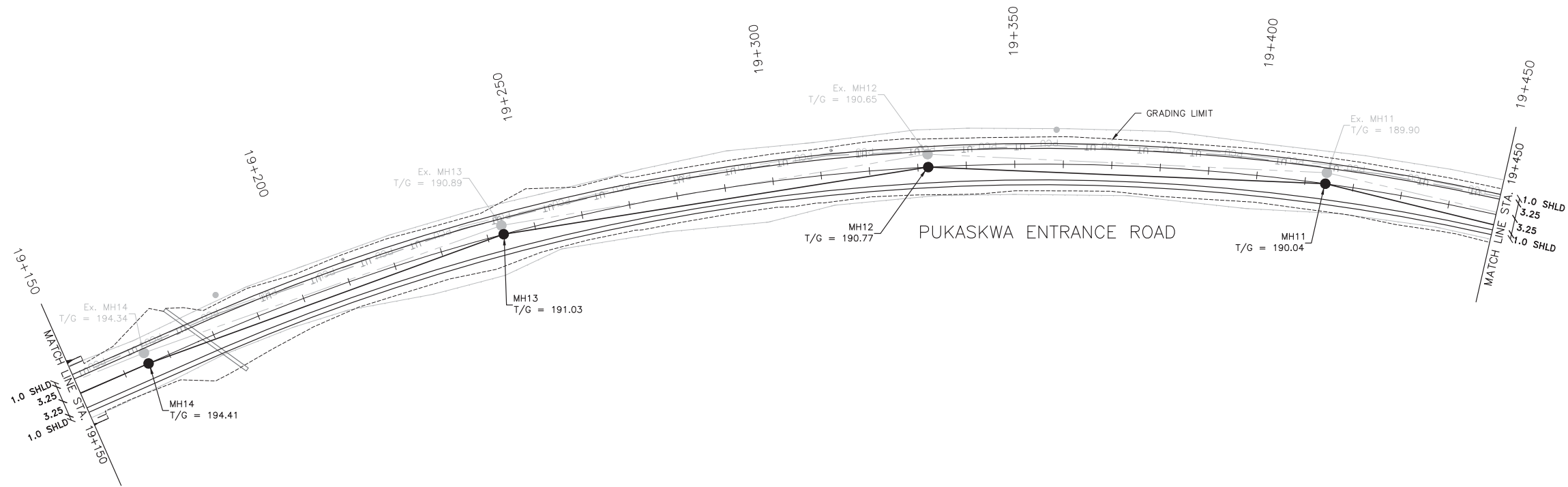
Eng. Stamp / Sceau de l'ingénieur
M.J. THENER
10013038
PROFESOR OF CIVIL ENGINEERING

Drawing title / Titre du dessin
PLAN & PROFILE
PUKASKWA ENTRANCE ROAD
18+850 TO 19+150

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet	00791	Scale / Échelle	1:1000	Sheet No. / N° de la feuille	C-30
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CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	⊗	WATER VALVE
---	EXIST. CABLE	○	WATER WELL
---	EXIST. CULVERT	⊕	FIRE HYDRANT
-▲-	PROP. DITCH	—PCU—	PRIMARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	—CCS—	SECONDARY ELECTRICAL LINE
○	PROP. SANI MANHOLE	—UT—	BELL UTILITY LINE
—	EXIST. SANI SEWER	⊙	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕LP	RV OUTLET
—SSFM—	EXIST. SANI FORCEMAIN	○	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	SN
—W—W—	EXIST. WATERMAIN	⊗	PROPOSED GRADE ELEVATION
---	EXIST. GROUND	---	GRADING LIMIT
---	APPROX. ROCK LINE	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
		---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
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L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
J.E. WIEGANDER
08/22/17

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

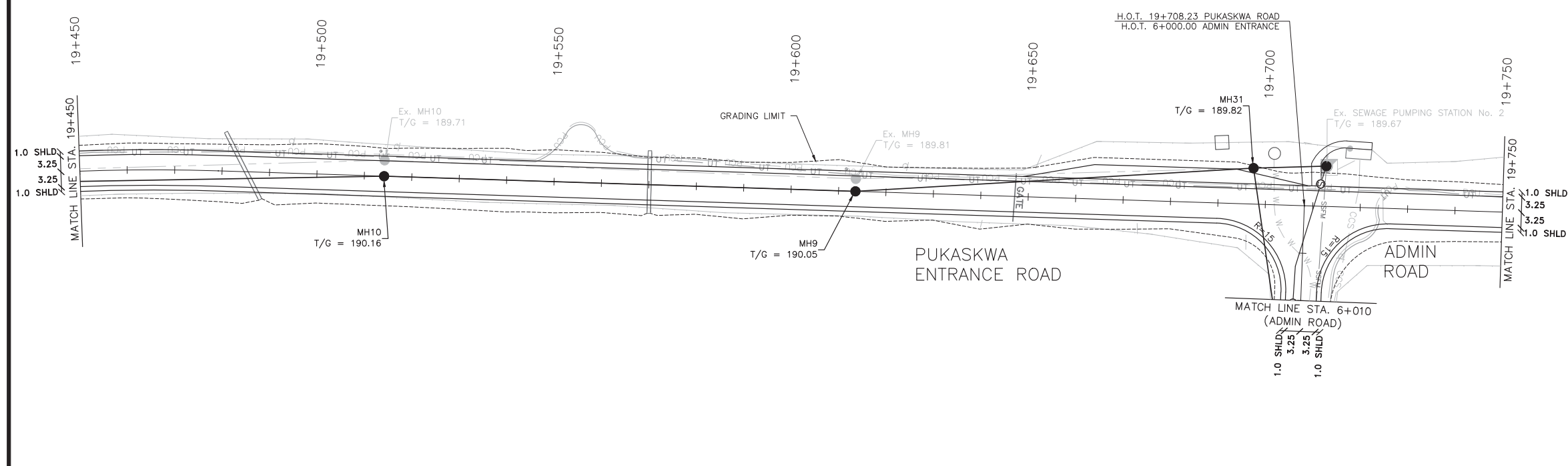
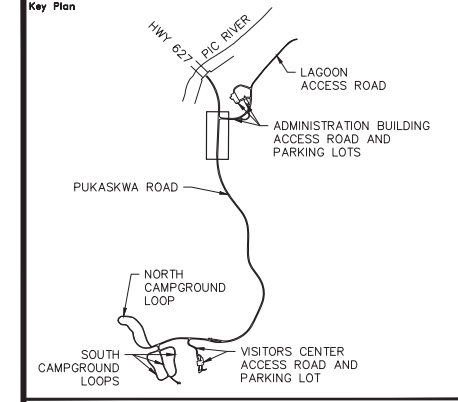
Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038
PROFESSOR OF CIVIL ENGINEERING
UNIVERSITY OF GUELPH

Drawing title / Titre du dessin
**PLAN & PROFILE
PUKASKWA ENTRANCE ROAD
19+150 TO 19+450**

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-31

11/18

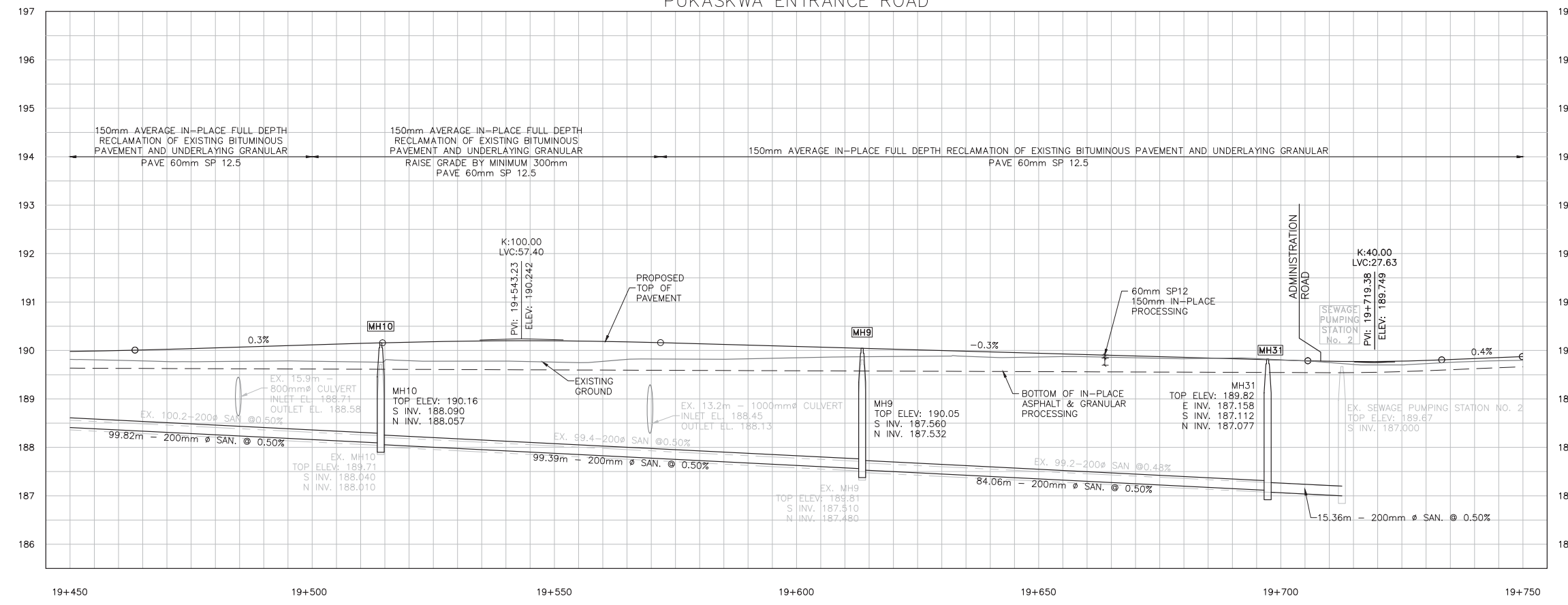
CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE	⊙	WATER WELL
—	GUIDE RAIL	⊕	FIRE HYDRANT
—	EXIST. CULVERT	— PCU —	PRIMARY ELECTRICAL LINE
—	PROP. DITCH	— CCS —	SECONDARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	— UT —	BELL UTILITY LINE
●	PROP. SANI MANHOLE	⊙	ELECTRICAL MARKER
—	EXIST. SANI SEWER	⊕	RV OUTLET
—	PROP. SANI SEWER	⊙	LIGHT POLE
— SSFM —	EXIST. SANI FORCEMAIN	⊕	SN
—	PROP. SANI FORCEMAIN	⊕	PROPOSED GRADE ELEVATION
— W —	EXIST. WATERMAIN	—	GRADING LIMIT
—	EXIST. GROUND	—	PROP. PROFILE
—	APPROX. ROCK LINE	—	PROP. DITCH LT
—	PROP. IN-PLACE PROCESSING	—	PROP. DITCH RT

PUKASKWA ENTRANCE ROAD



No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
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L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
J.E. WIECZOREK
03/22/17
PROFESSOR OF CIVIL ENGINEERING

Project title / Titre du projet
Road Reconstruction Project
Pukaska National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038
PROFESSOR OF CIVIL ENGINEERING

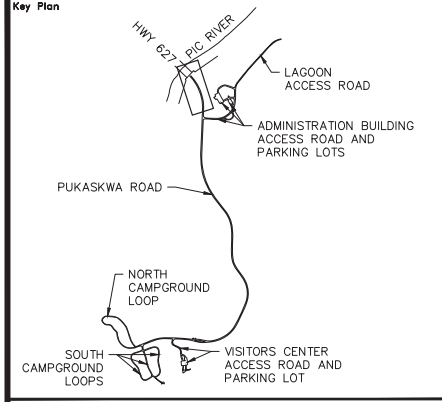
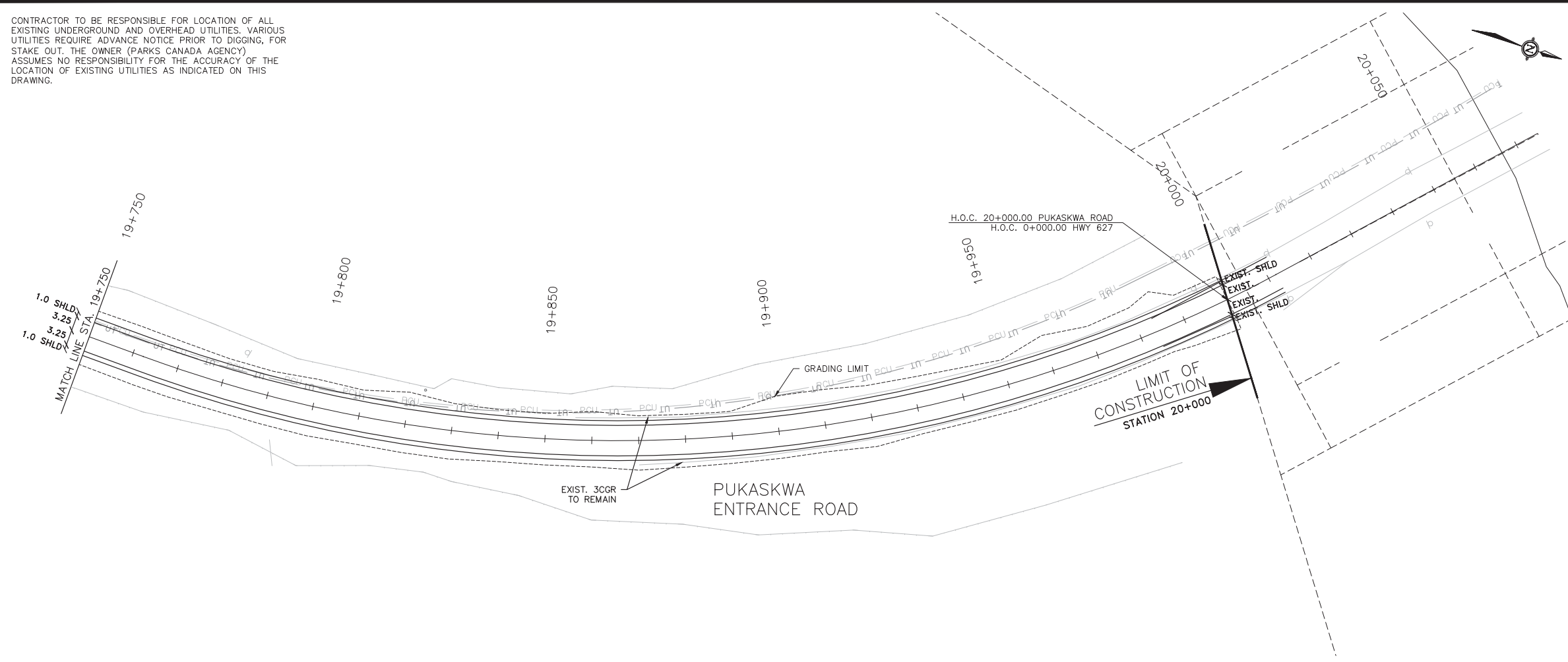
Drawing title / Titre du dessin
**PLAN & PROFILE
PUKASKWA ENTRANCE ROAD**
19+450 TO 19+750

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet: 00791 | Scale / Échelle: 1:1000 | Sheet No. / No de la feuille: C-32

Drawing Set No. / No de série du dessin: 12/18

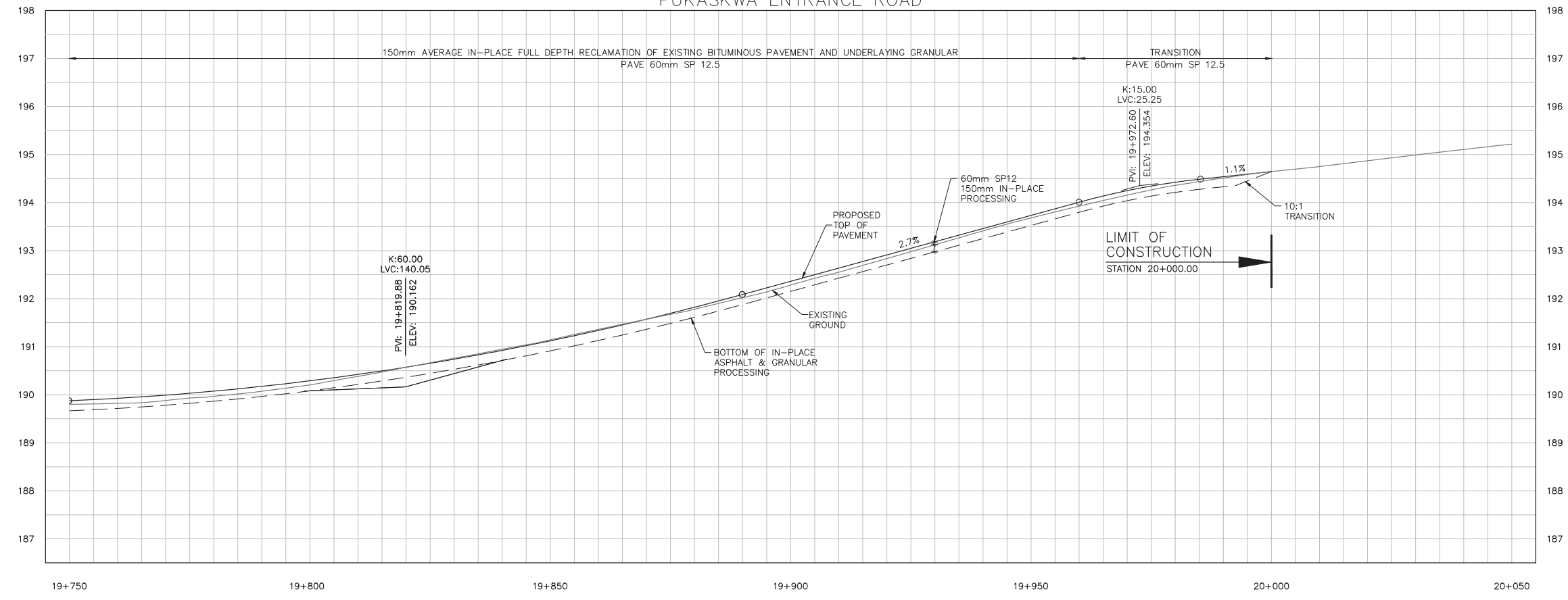
CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE GUIDE RAIL	⊙	WATER WELL
—	EXIST. CULVERT	⊕	FIRE HYDRANT
—	PROP. DITCH	—	PCU — PRIMARY ELECTRICAL LINE
—	EXIST. SANI MANHOLE	—	CCS — SECONDARY ELECTRICAL LINE
—	PROP. SANI MANHOLE	—	UT — BELL UTILITY LINE
—	EXIST. SANI SEWER	⊙	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕	RV OUTLET
—	EXIST. SANI FORCEMAIN	⊙	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	⊕
—	EXIST. WATERMAIN	⊕	⊕
—	EXIST. GROUND	⊕	⊕
—	APPROX. ROCK LINE	⊕	⊕
—	PROP. IN-PLACE PROCESSING	⊕	⊕
—		⊕	⊕

PUKASKWA ENTRANCE ROAD



No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
J. WIEGANDER
02/22/17

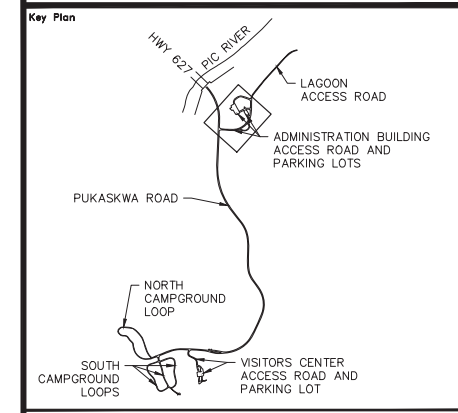
Project title / Titre du projet
Road Reconstruction Project
Pukaska National Park
Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
PLAN & PROFILE
PUKASKWA ENTRANCE ROAD
19+750 TO 20+000

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			13/18
			Sheet No. / No de la feuille C-33

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

—	TREE LINE	⊗	WATER VALVE	
—	EXIST. CABLE	○	WATER WELL	
—	GUIDE RAIL	⊕	FIRE HYDRANT	
—	EXIST. CULVERT	— PCU —	PRIMARY ELECTRICAL LINE	
- - -	PROP. DITCH	— CCS —	SECONDARY ELECTRICAL LINE	
●	EXIST. SANI MANHOLE	— UT —	BELL UTILITY LINE	
●	PROP. SANI MANHOLE	○	ELECTRICAL MARKER	
—	EXIST. SANI SEWER	⊕	RV OUTLET	
—	PROP. SANI SEWER	⊕	LIGHT POLE	
— SSFM —	EXIST. SANI FORCEMAIN	⊕	⊕	PROP. GRADE ELEVATION
—	PROP. SANI FORCEMAIN	⊕	⊕	GRADING LIMIT
— W — W —	EXIST. WATERMAIN	⊕	⊕	PROP. PROFILE
—	EXIST. GROUND	⊕	⊕	PROP. DITCH LT
—	APPROX. ROCK LINE	⊕	⊕	PROP. DITCH RT
—	PROP. IN-PLACE PROCESSING	⊕	⊕	

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Révision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

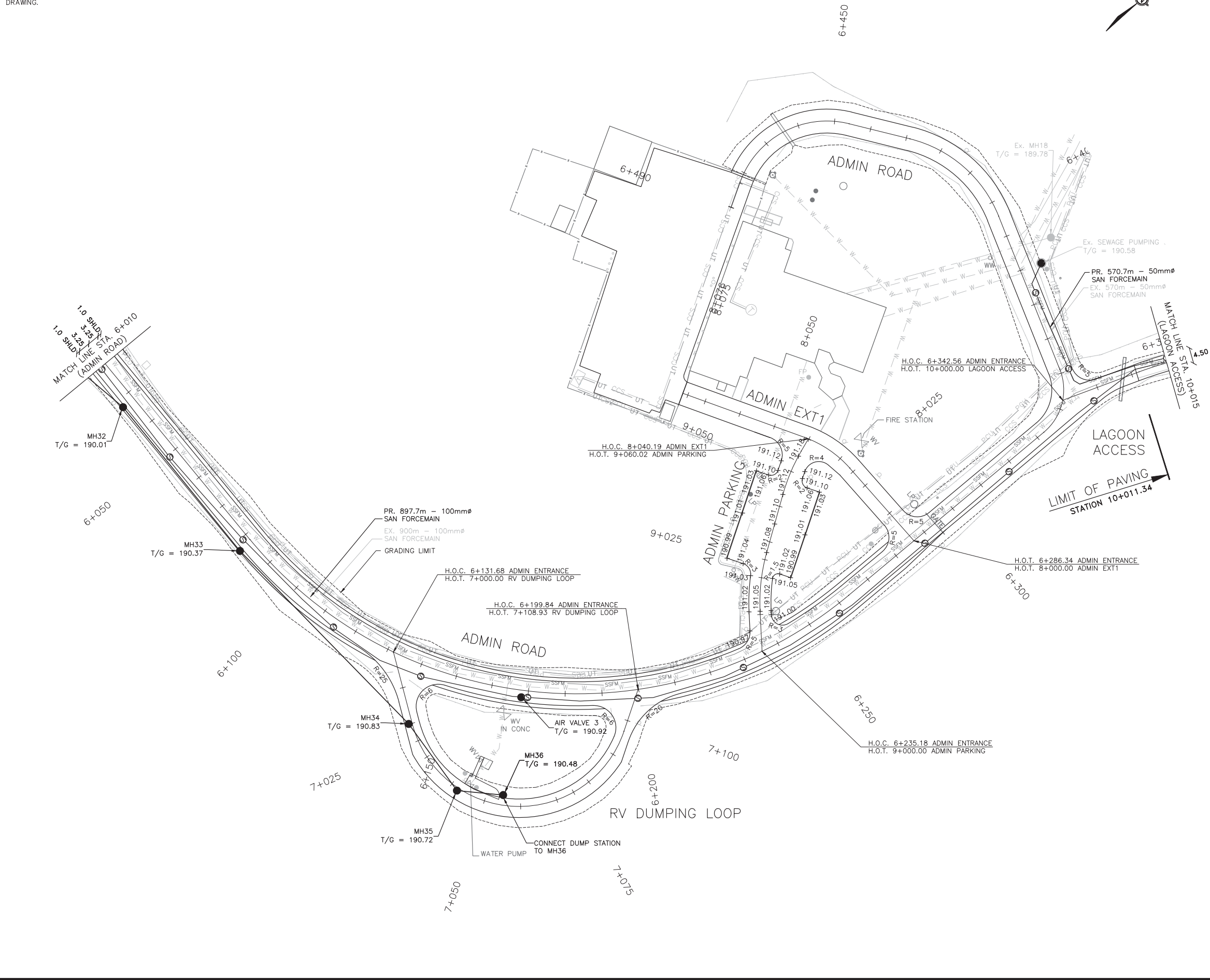


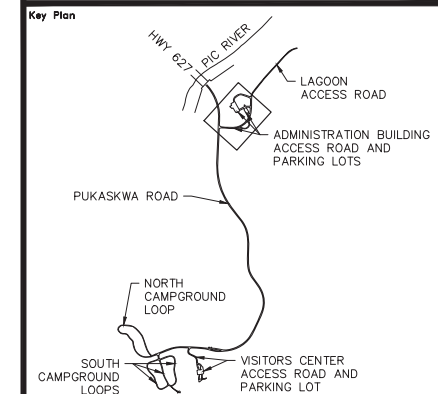
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario



Drawing title / Titre du dessin
PLAN
ADMIN ROAD & ADMIN PARKING &
ADMIN EXT1 & RV DUMPING LOOP

Designed by / Conçeut par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin	14/18	Sheet No. / No de la feuille	C-34





Legend

—	TREE LINE	⊗	WATER VALVE
—	EXIST. CABLE GUIDE RAIL	○	WATER WELL
—	EXIST. CULVERT	⊕	FIRE HYDRANT
- - -	PROP. DITCH	—	PCU
●	EXIST. SANI MANHOLE	—	PRIMARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	—	SECONDARY ELECTRICAL LINE
—	EXIST. SANI SEWER	—	UT
—	PROP. SANI SEWER	○	BELL UTILITY LINE
—	EXIST. SANI FORCEMAIN	⊕	ELECTRICAL MARKER
—	PROP. SANI FORCEMAIN	⊕	RV OUTLET
—	EXIST. WATERMAIN	○	LIGHT POLE
—	PROP. IN-PLACE PROCESSING	⊕	SIGN
—	EXIST. GROUND	⊕	PROPOSED GRADE ELEVATION
—	APPROX. ROCK LINE	—	GRADING LIMIT
—	PROP. IN-PLACE PROCESSING	—	PROP. PROFILE
—	PROP. DITCH LT	—	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	B	Detail number / Numéro de détail	A Numéro de détail	B Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
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Eng. Stamp / Sceau de l'ingénieur
J.E. WISCOCK
08/22/17
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

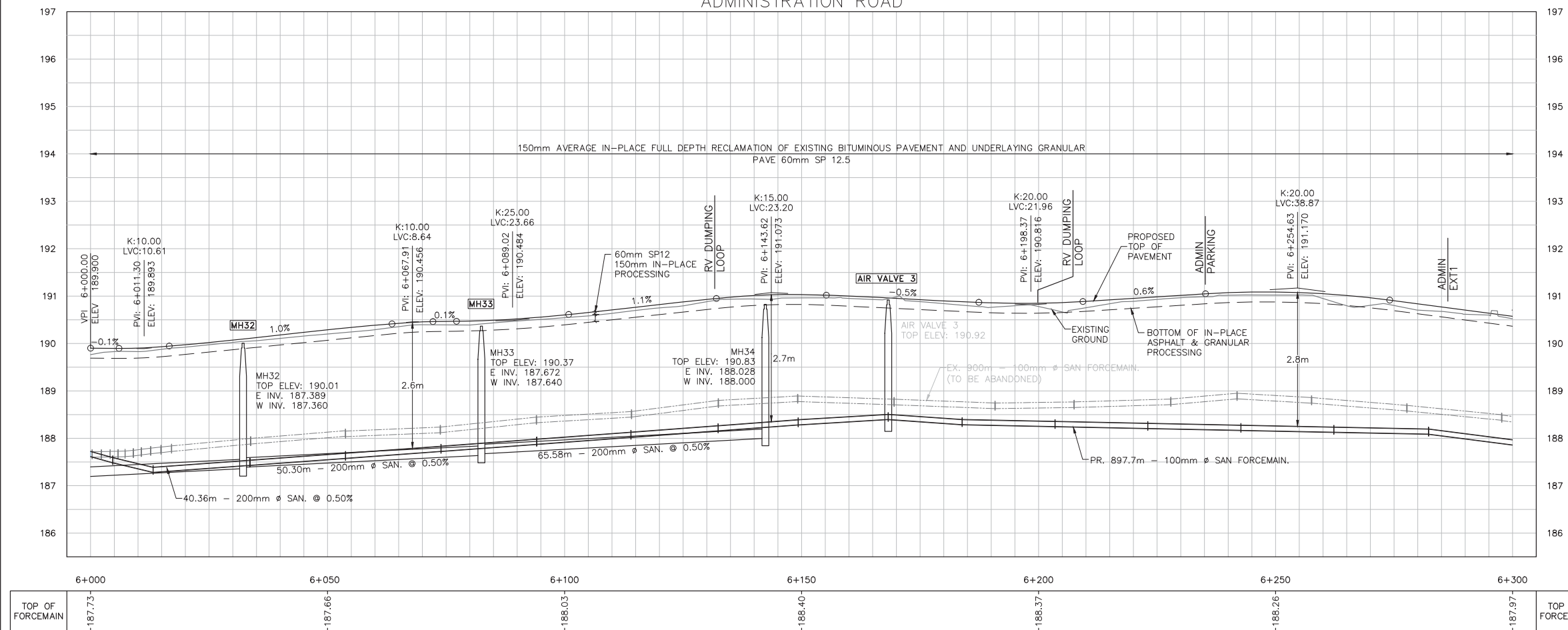
Eng. Stamp / Sceau de l'ingénieur
M.J. THOMER
10013038
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

Drawing title / Titre du dessin
PROFILE ADMINISTRATION ROAD

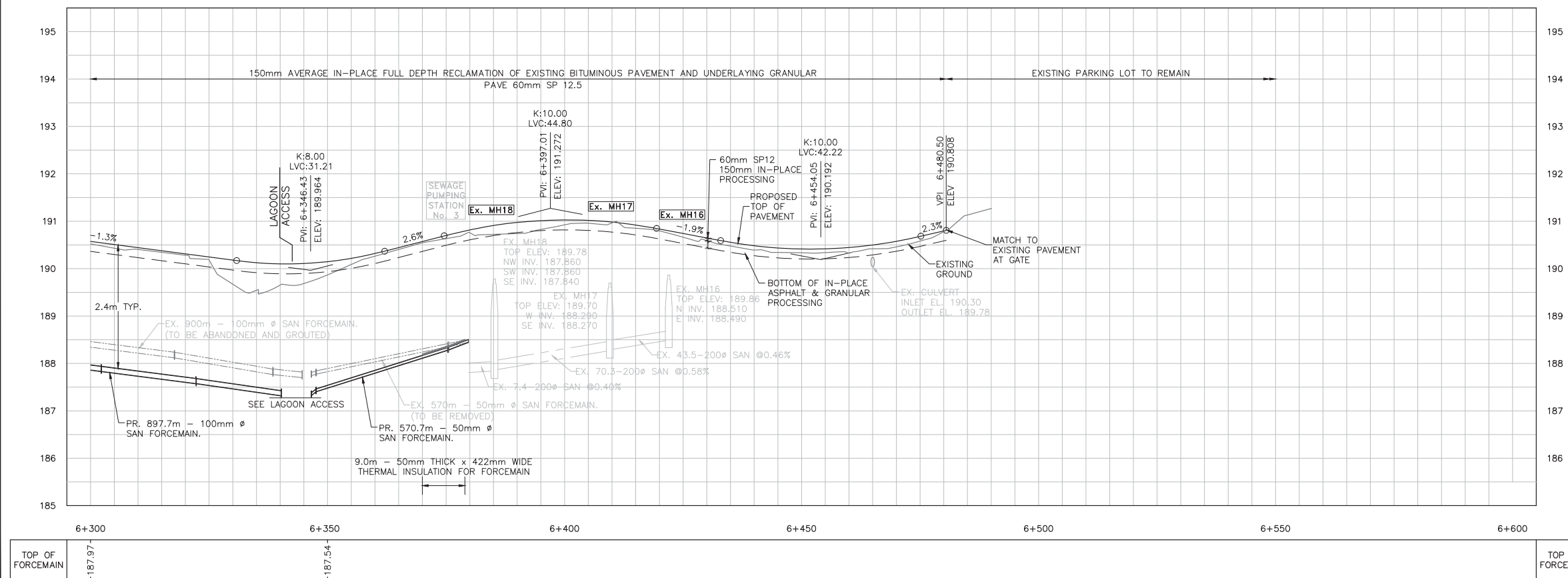
Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet: 00791 | Scale / Échelle: 1:1000 | Sheet No. / N° de la feuille: C-35
Drawing Set No. / N° de série du dessin: 15/18

ADMINISTRATION ROAD



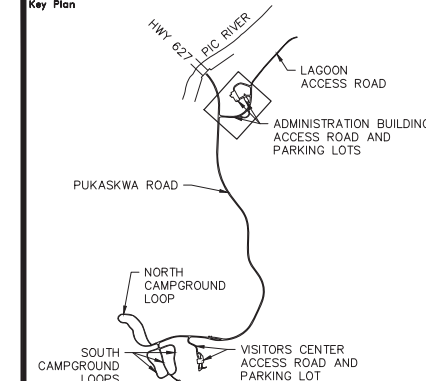
ADMINISTRATION ROAD



TOP OF FORCEMAIN	-187.73	-187.66	-188.03	-188.40	-188.37	-188.26	-187.97	TOP OF FORCEMAIN
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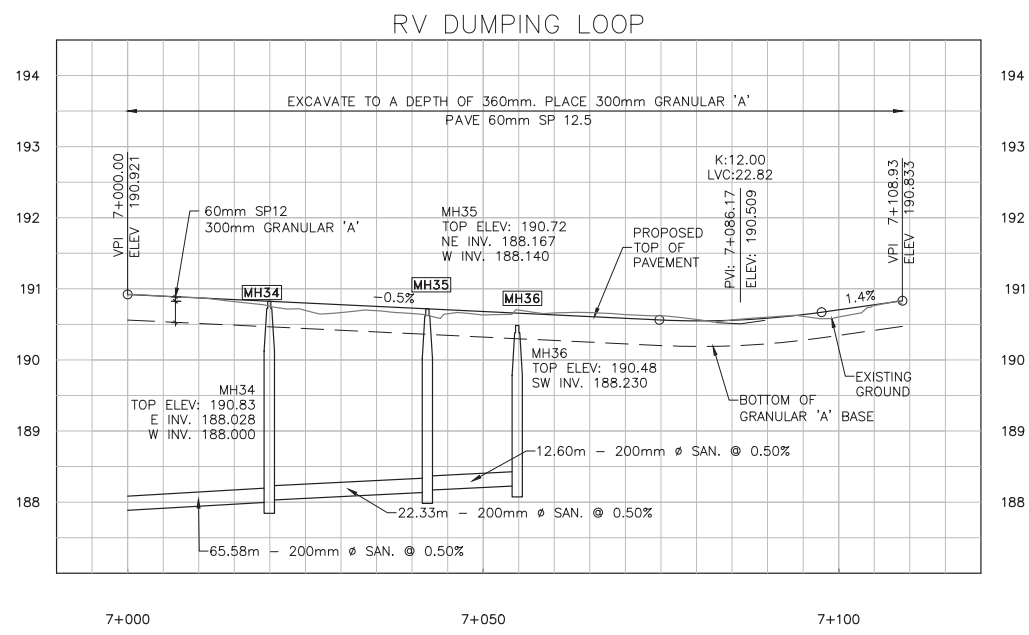
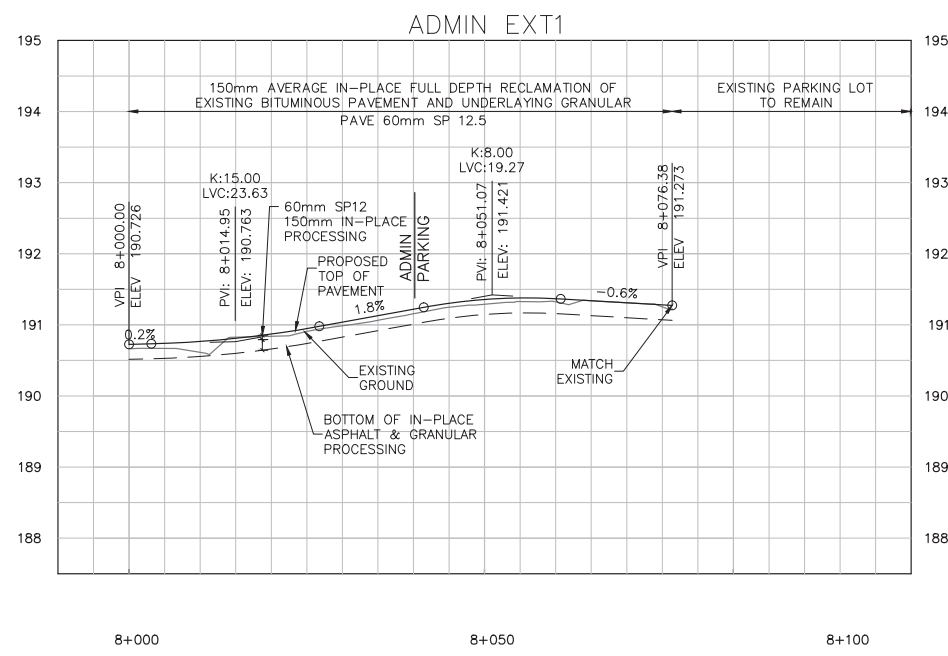
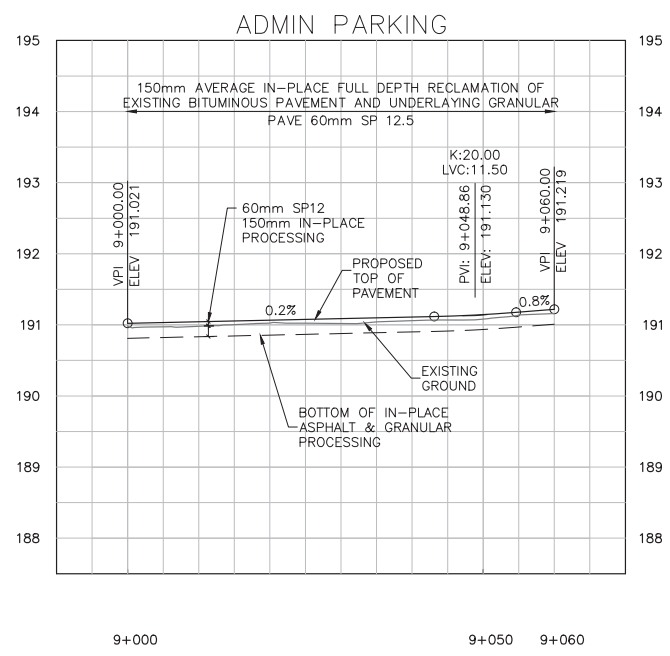


Key Plan



Legend

	TREE LINE		WATER VALVE
	EXIST. CABLE GUIDE RAIL		WATER WELL
	EXIST. CULVERT		FIRE HYDRANT
	PROP. DITCH		PRIMARY ELECTRICAL LINE
	EXIST. SANI MANHOLE		SECONDARY ELECTRICAL LINE
	PROP. SANI MANHOLE		BELL UTILITY LINE
	EXIST. SANI SEWER		ELECTRICAL MARKER
	PROP. SANI SEWER		RV OUTLET
	EXIST. SANI FORCEMAIN		LIGHT POLE
	PROP. SANI FORCEMAIN		SN
	EXIST. WATERMAIN		X 185.53 PROPOSED GRADE ELEVATION
	EXIST. GROUND		--- GRADING LIMIT
	APPROX. ROCK LINE		--- PROP. PROFILE
	PROP. IN-PLACE PROCESSING		--- PROP. DITCH LT
			--- PROP. DITCH RT



No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
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Markham, ON
L3R 9R9

Eng. Stamp
Sceau de l'ingénieur

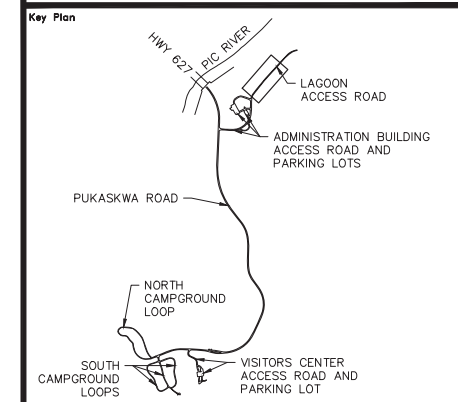
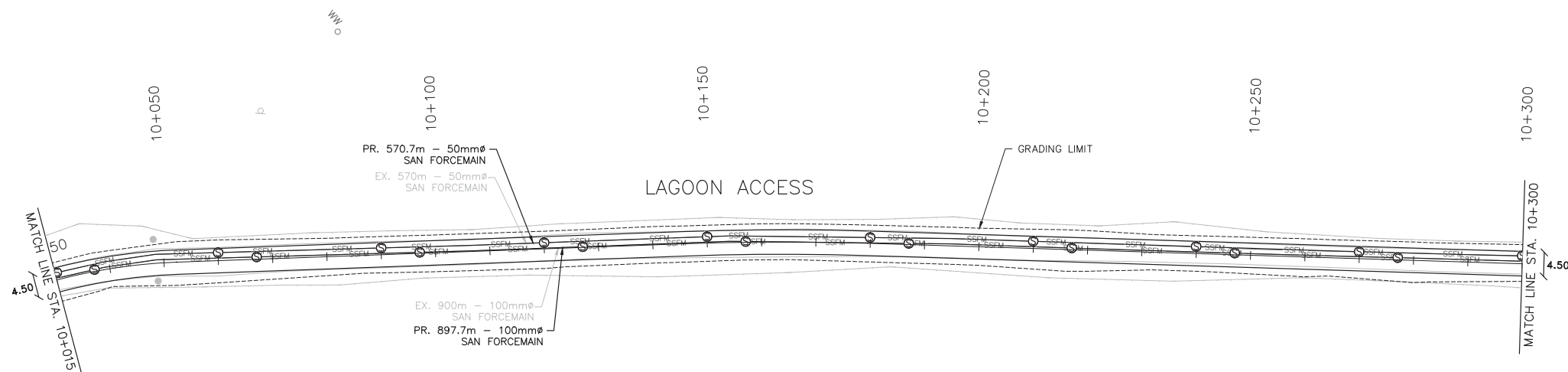
Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Eng. Stamp
Sceau de l'ingénieur

Drawing title/Titre du dessin
PROFILE
ADMIN PARKING & ADMIN EXT1 &
RV DUMPING LOOP

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Véifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin			Sheet No./ N° de la feuille C-36
			16/18

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	⊗	WATER VALVE
---	EXIST. CABLE	○	WATER WELL
---	EXIST. CULVERT	⊕	FIRE HYDRANT
- - -	PROP. DITCH	— PCU —	PRIMARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	— CCS —	SECONDARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	— UT —	BELL UTILITY LINE
—	EXIST. SANI SEWER	○	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕	RV OUTLET
— SSFM —	EXIST. SANI FORCEMAIN	○	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	SN
—	EXIST. WATERMAIN	⊗	PROPOSED GRADE ELEVATION
---	EXIST. GROUND	---	GRADING LIMIT
---	PROP. ROCK LINE	---	PROP. PROFILE
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH LT
		---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Sceau de l'ingénieur: J.E. WICKOBER, 02/22/17

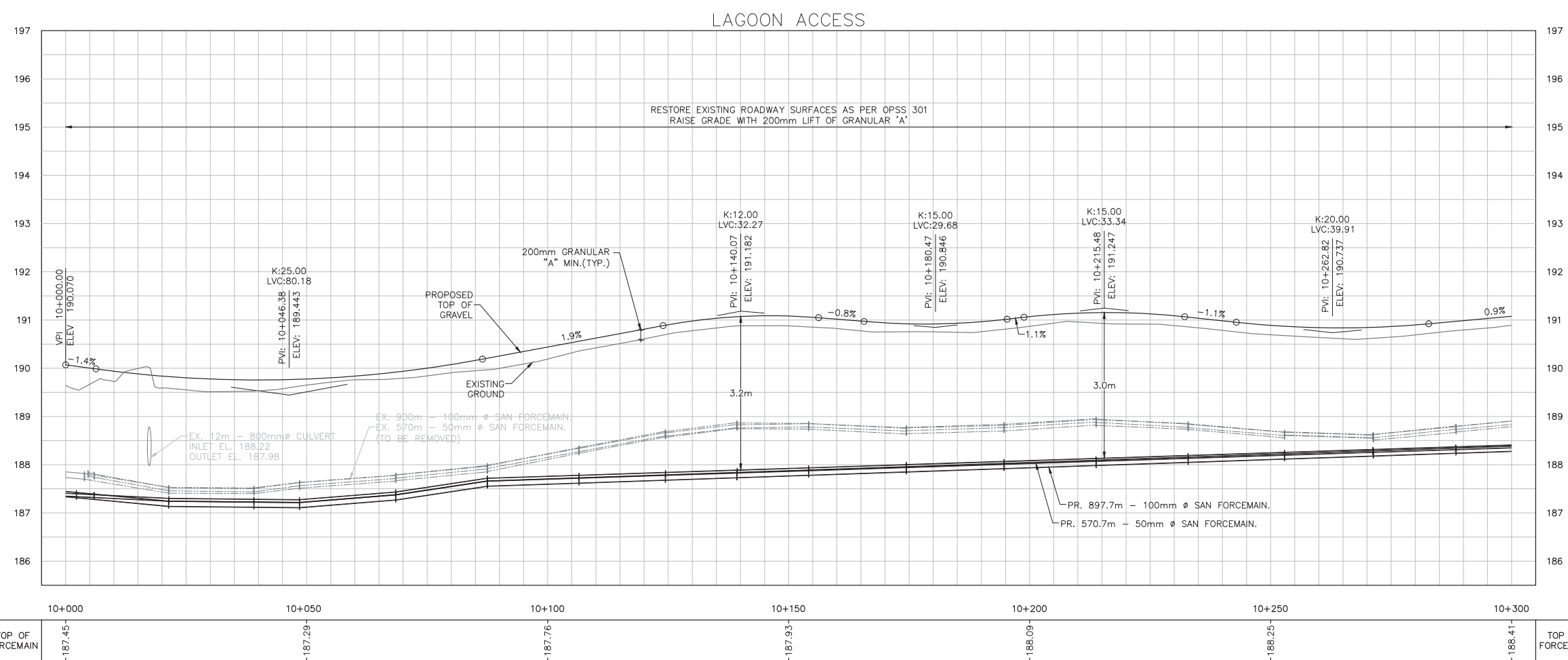
Project title / Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur: M.J. THENER, 10013638

Drawing title / Titre du dessin: PLAN & PROFILE LAGOON ACCESS
10+000 TO 10+300

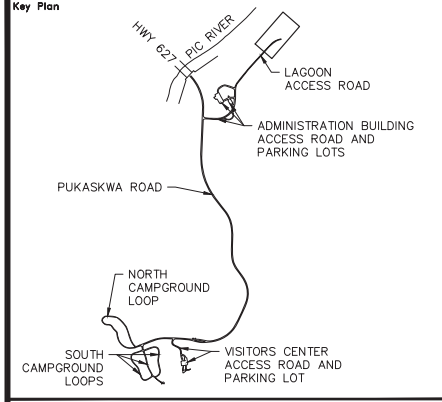
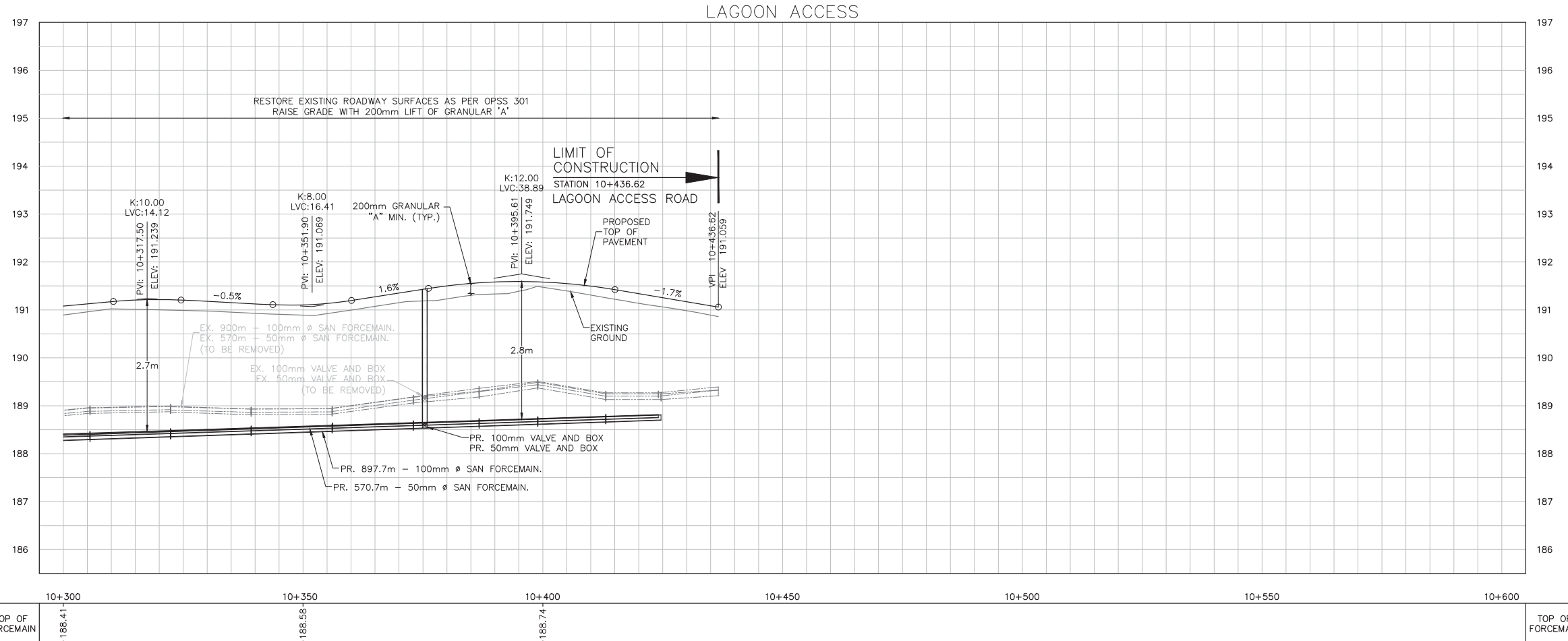
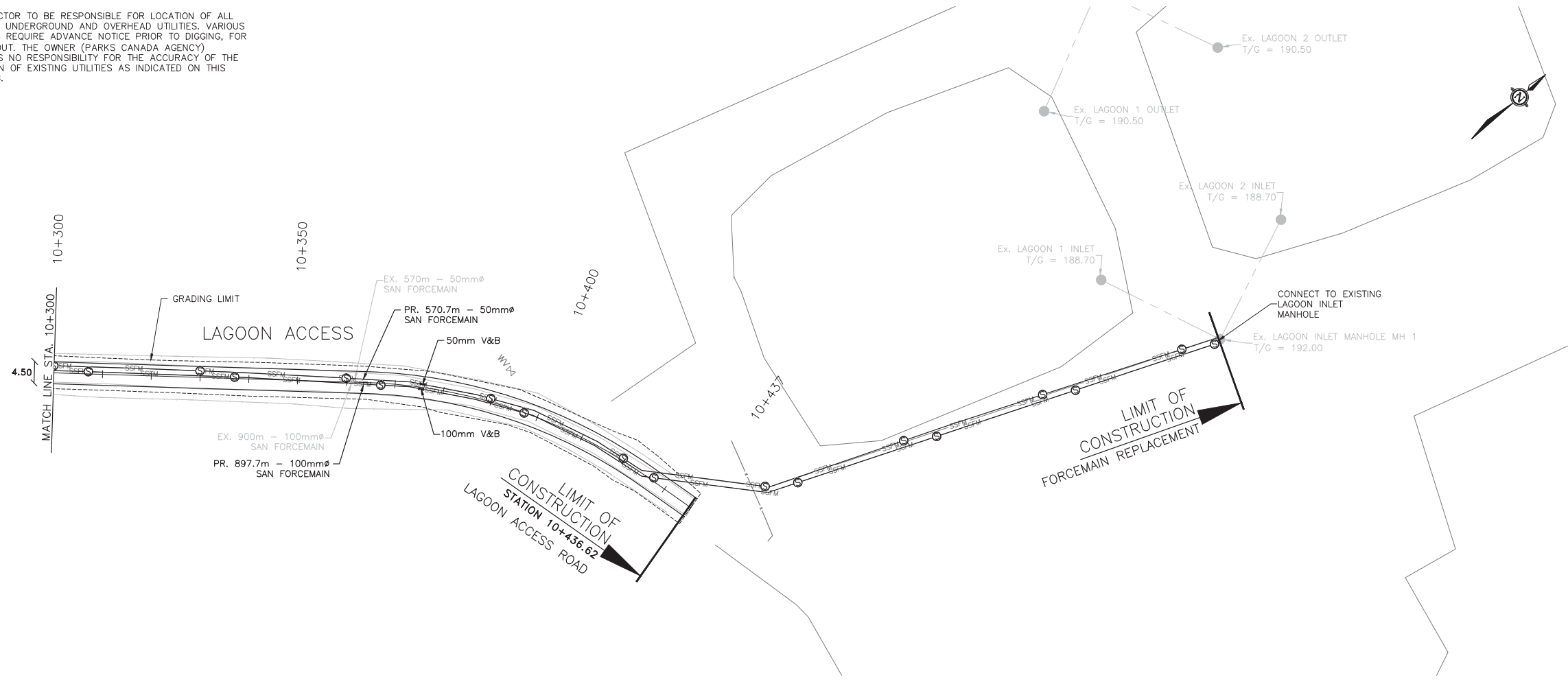
Designed by / Concept par: PO	Date: 16/12/09
Drawn by / Dessiné par: PO	Date: 16/12/09
Checked by / Vérifié par: JW	Date: 16/12/09
Approved by / Approuvé par: JW	Date: 16/12/09

Project No. / No du projet: 00791	Scale / Échelle: 1:1000	Sheet No. / N° de la feuille: C-37
Drawing Set No. / N° de série du dessin: 17/18		



TOP OF FORCEMAIN	10+000	10+050	10+100	10+150	10+200	10+250	10+300	TOP OF FORCEMAIN
	-187.45	-187.29	-187.76	-187.93	-188.09	-188.25	-188.41	

CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



Legend

---	TREE LINE	⊗	WATER VALVE
---	EXIST. CABLE	○	WATER WELL
---	GUIDE RAIL	⊕	FIRE HYDRANT
---	EXIST. CULVERT	—	PCU
---	PROP. DITCH	—	PRIMARY ELECTRICAL LINE
●	EXIST. SANI MANHOLE	—	SECONDARY ELECTRICAL LINE
●	PROP. SANI MANHOLE	—	BELL UTILITY LINE
—	EXIST. SANI SEWER	○	ELECTRICAL MARKER
—	PROP. SANI SEWER	⊕	RV OUTLET
—	EXIST. SANI FORCEMAIN	○	LIGHT POLE
—	PROP. SANI FORCEMAIN	⊕	⊕
—	EXIST. SANI FORCEMAIN	⊕	PROPOSED GRADE ELEVATION
—	EXIST. WATERMAIN	---	GRADING LIMIT
---	EXIST. GROUND	---	PROP. PROFILE
---	APPROX. ROCK LINE	---	PROP. DITCH LT
---	PROP. IN-PLACE PROCESSING	---	PROP. DITCH RT

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Sceau de l'ingénieur: [Stamp: J. WIECZOREK, 09/22/17]

Project title / Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Eng. Stamp / Sceau de l'ingénieur: [Stamp: M.J. THENER, 10013038]

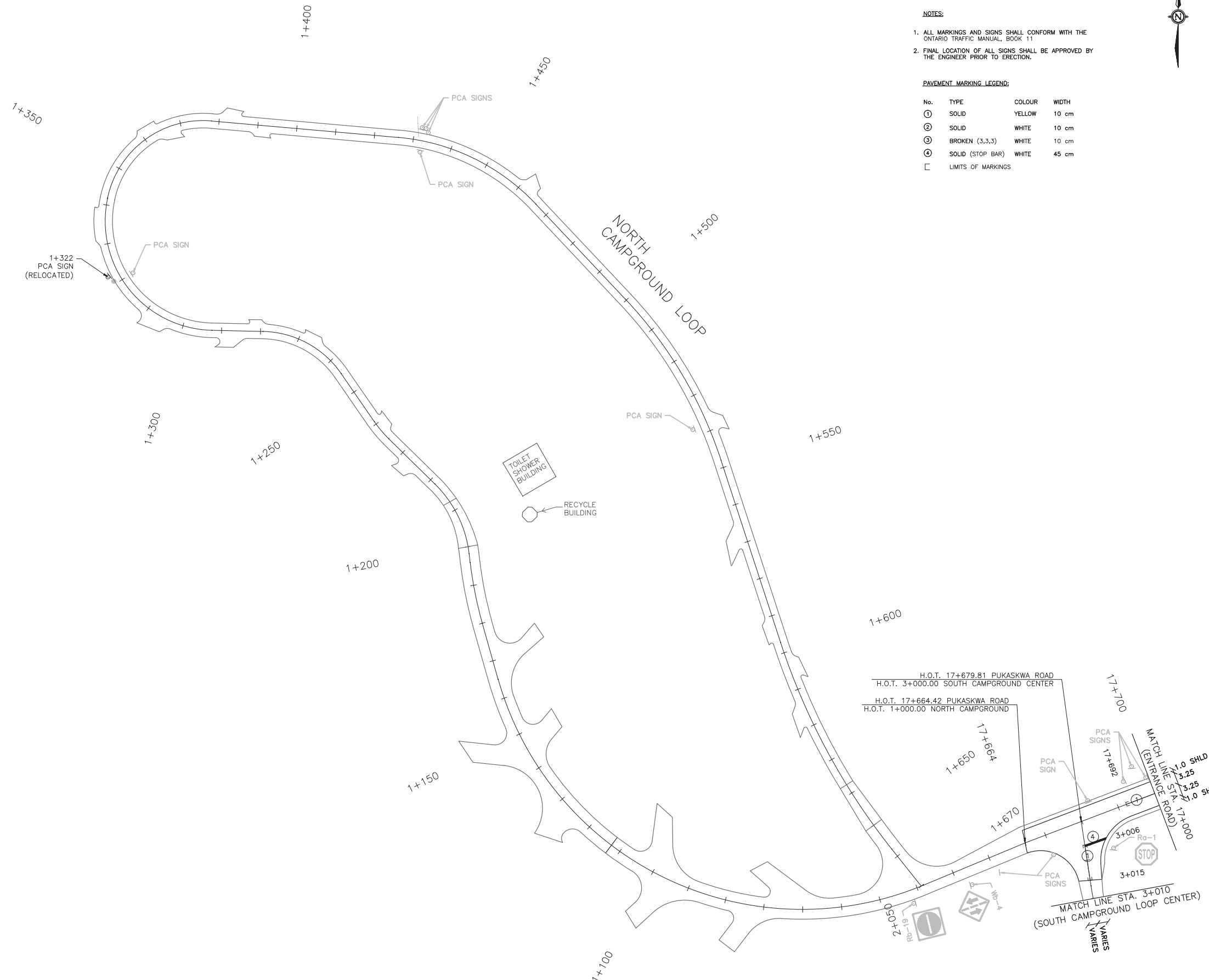
Drawing title / Titre du dessin: PLAN & PROFILE LAGOON ACCESS

10+300 TO 10+437

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09

Project No. / No du projet: 00791 | Scale / Échelle: 1:1000 | Sheet No. / N° de la feuille: C-38

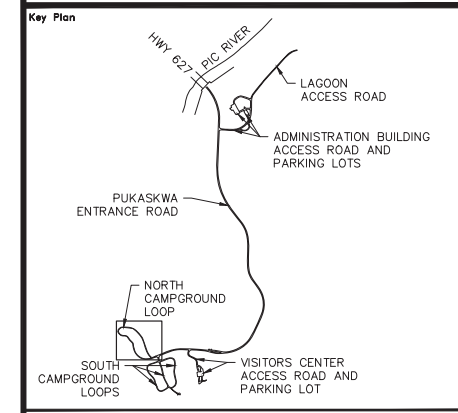
Drawing Set No. / N° de série du dessin: 18/18



- NOTES:**
- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
 - FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOUR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		



- NOTES:**
- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
 - FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOUR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	B	Detail number / Sheet number	A Numéro de détail / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

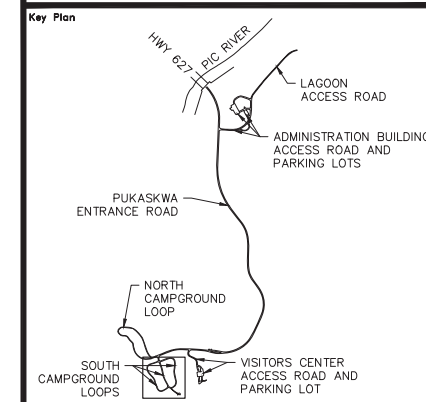
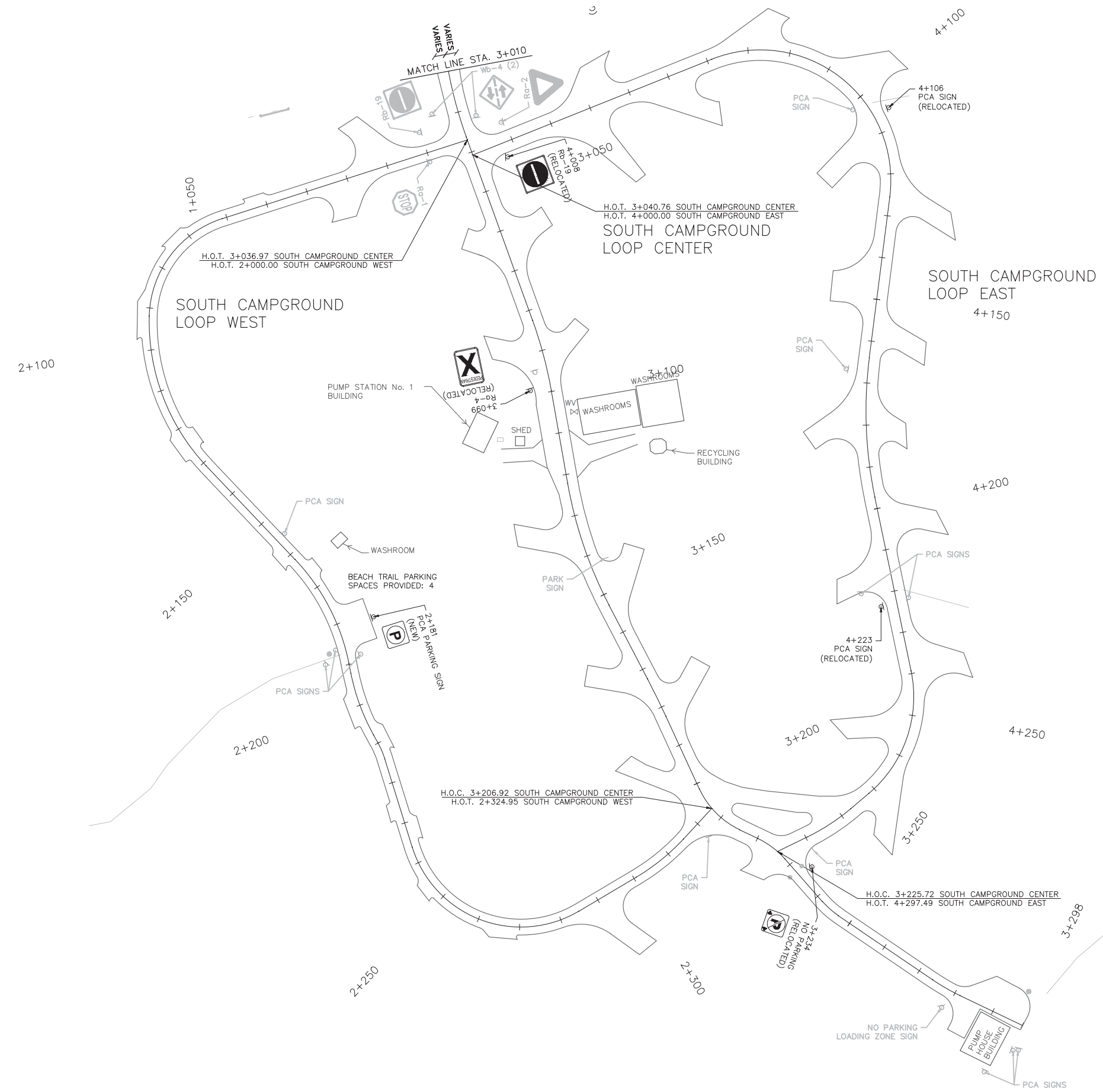
Consultant's Name / Nom de l'expert-conseil: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Sceau de l'ingénieur: I.E. WIECZOREK, 08/22/17

Project title / Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Drawing title / Titre du dessin: PAVEMENT MARKING & SIGNAGE NORTH CAMPGROUND LOOP

Designed by / Concept par: PO	Date: 16/12/09
Drawn by / Dessiné par: PO	Date: 16/12/09
Checked by / Vérifié par: JW	Date: 16/12/09
Approved by / Approuvé par: JW	Date: 16/12/09
Project No. / No du projet: 00791	Scale / Échelle: 1:1000
Drawing Set No. / No de série du dessin: 1/8	Sheet No. / No de la feuille: C-39



- NOTES:**
- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
 - FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

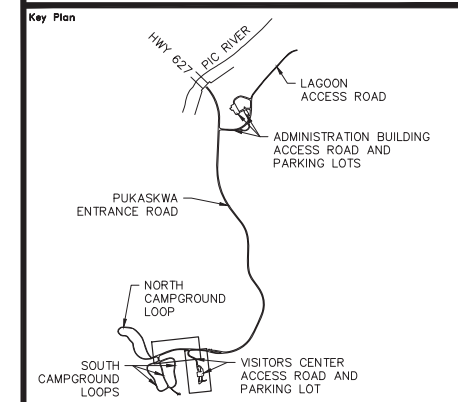
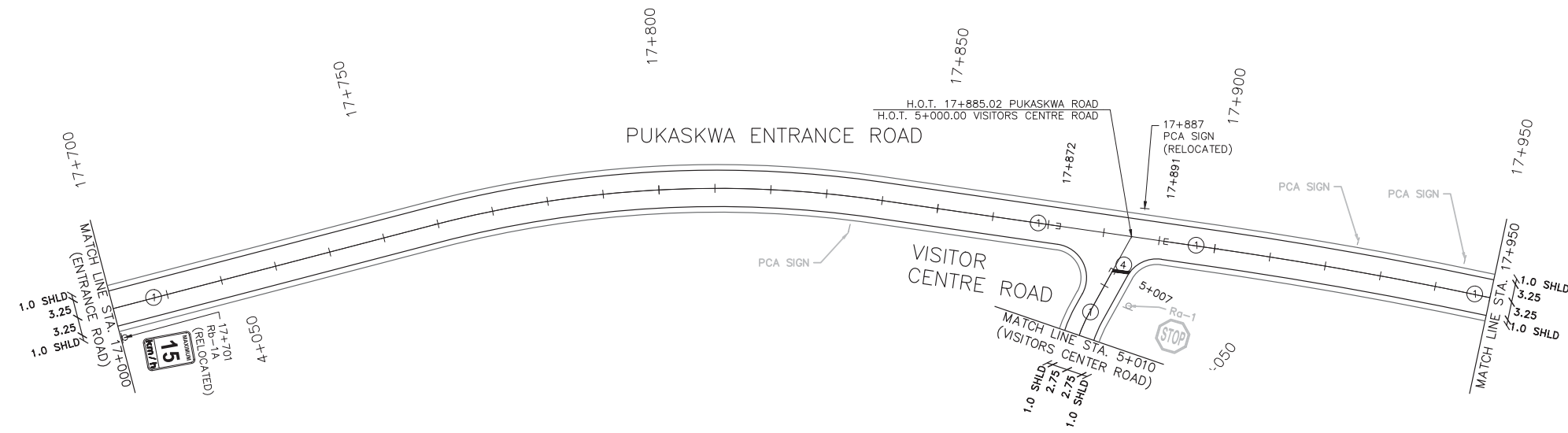
Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9



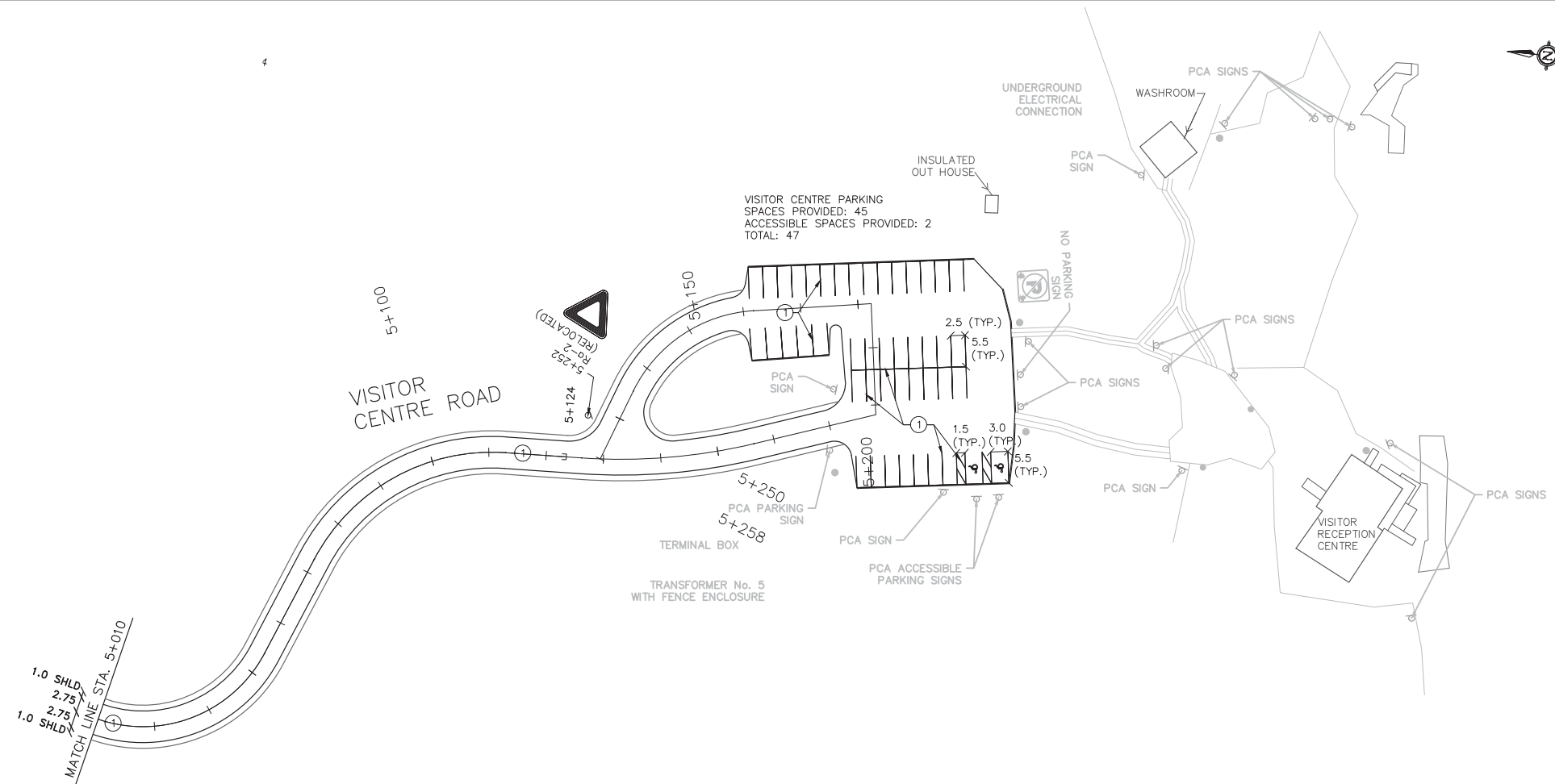
Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
PAVEMENT MARKING & SIGNAGE
SOUTH CAMPGROUND LOOPS

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-40
			2/8



- NOTES:**
1. ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
 2. FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.
- PAVEMENT MARKING LEGEND:**
- | No. | TYPE | COLOUR | WIDTH |
|-----|--------------------|--------|-------|
| ① | SOLID | YELLOW | 10 cm |
| ② | SOLID | WHITE | 10 cm |
| ③ | BROKEN (3,3,3) | WHITE | 10 cm |
| ④ | SOLID (STOP BAR) | WHITE | 45 cm |
| □ | LIMITS OF MARKINGS | | |



No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
---	--

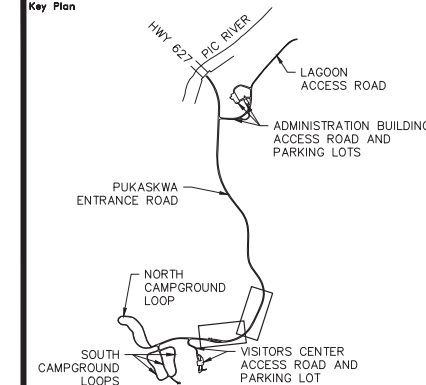
Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
PAVEMENT MARKING & SIGNAGE
ENTRANCE ROAD 17+664 TO 17+950
VISITORS CENTER 5+000 TO 5+258

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Vérfifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Echelle	1:1000
Drawing Set No./No de série du dessin	3/8	Sheet No./ N° de la feuille	C-41



Key Plan



Legend

NOTES:

- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
- FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOUR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

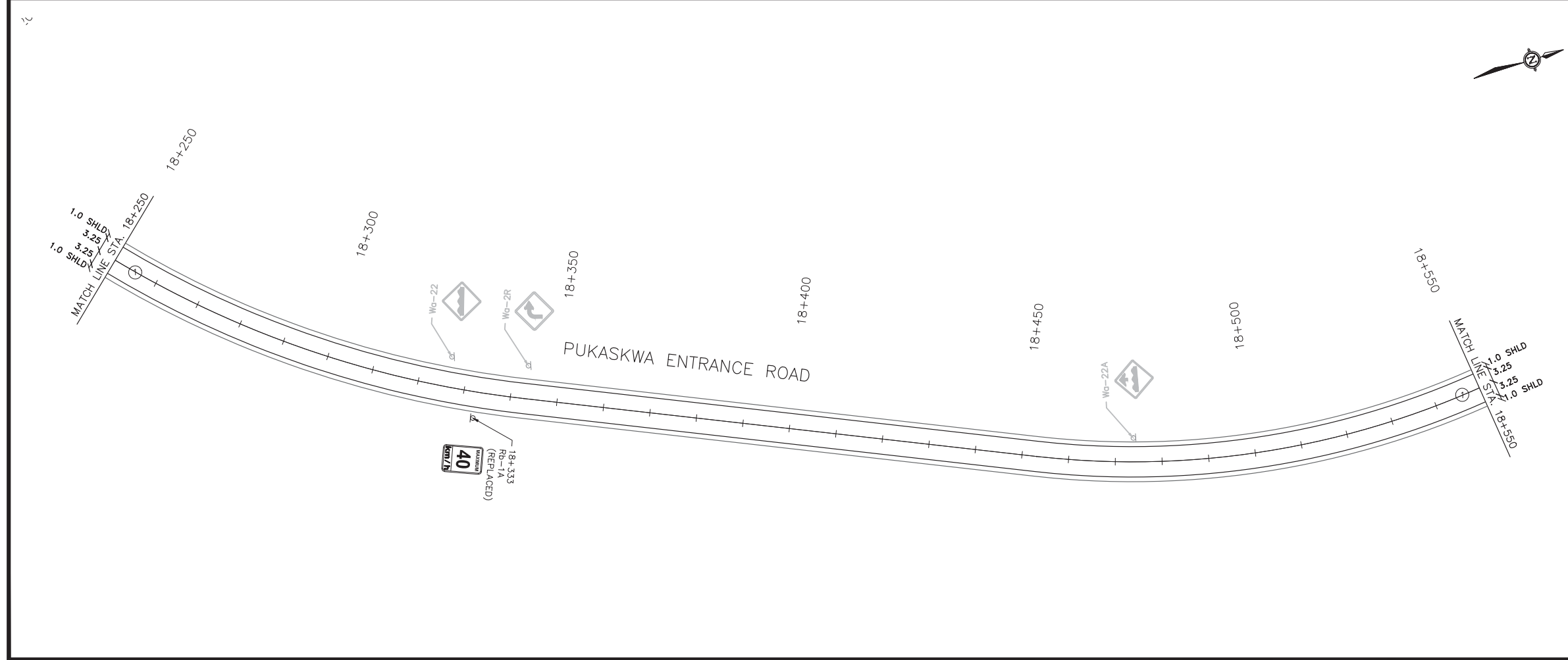
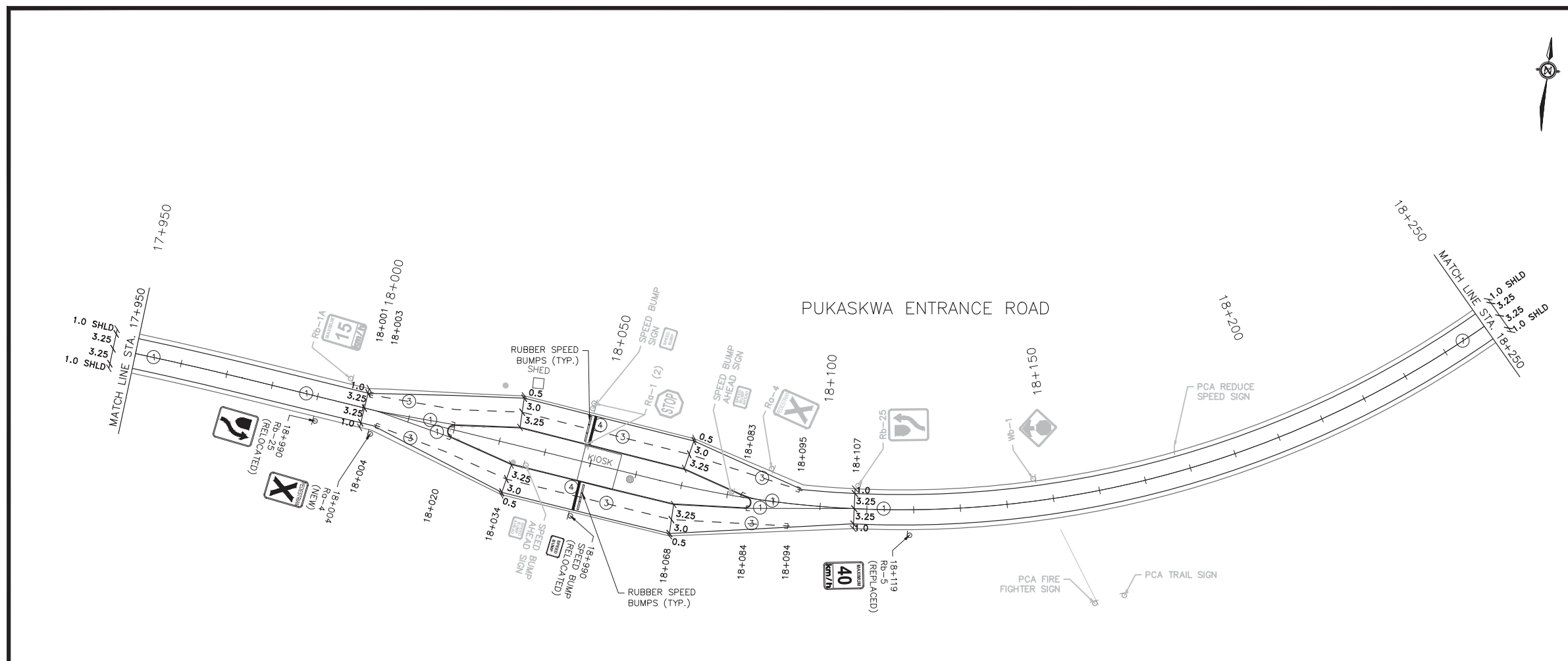
Eng. Stamp / Sceau de l'ingénieur
I.E. WIECZOREK
08/22/17
PROFESSIONAL ENGINEER OF ONTARIO

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
PAVEMENT MARKING & SIGNAGE
PUKASKWA ENTRANCE ROAD

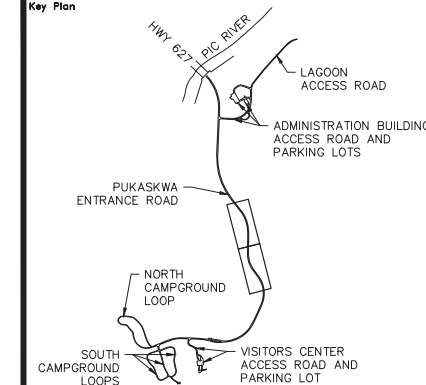
17+950 TO 18+550

Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille C-42
			4/8





Key Plan



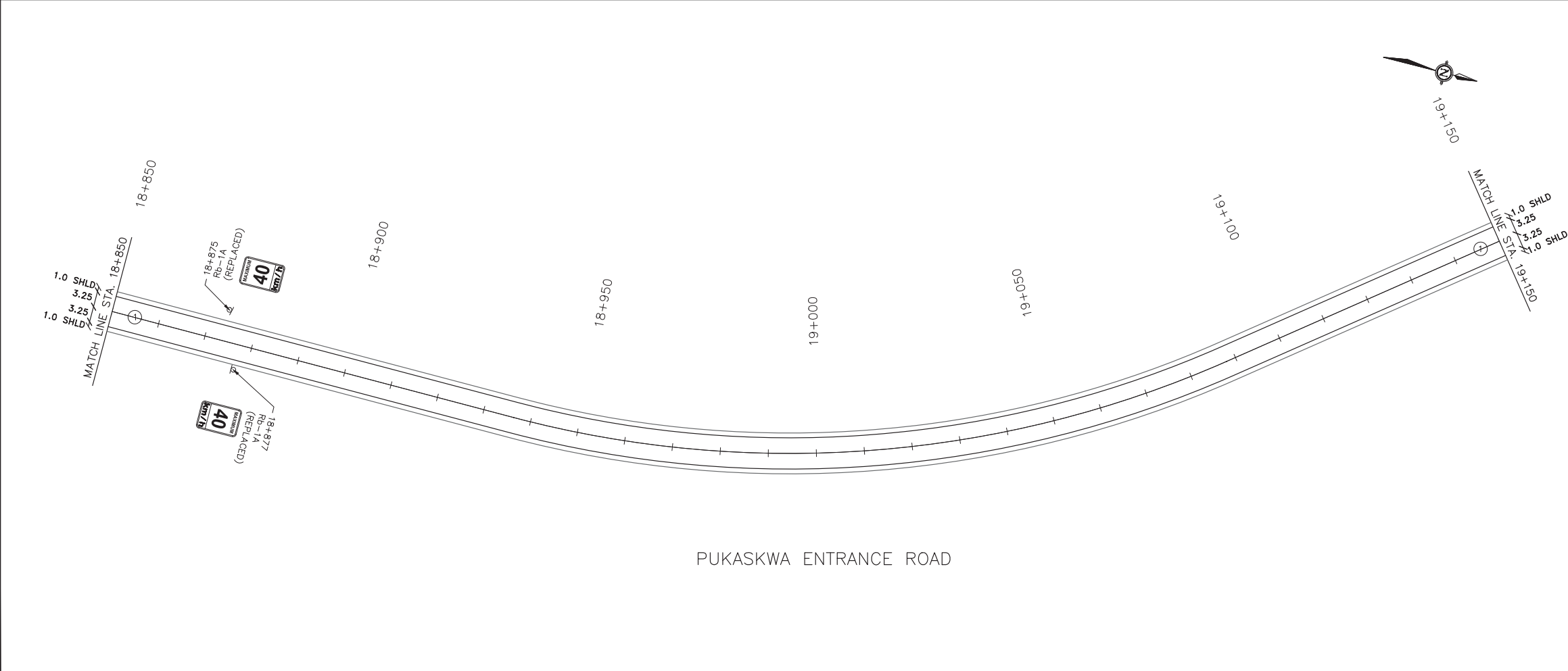
Legend

NOTES:

1. ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
2. FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOUR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		



No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number A Numéro de détail
B	Sheet number B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sciau de l'ingénieur
---	--

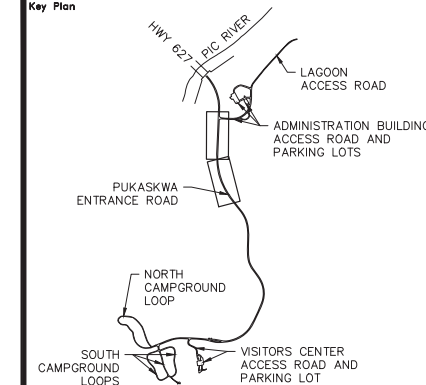
Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
PAVEMENT MARKING & SIGNAGE
PUKASKWA ENTRANCE ROAD
18+550 TO 19+150

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin	5/8	Sheet No./N ^o de la feuille	C-43



Key Plan



Legend

NOTES:

1. ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
2. FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

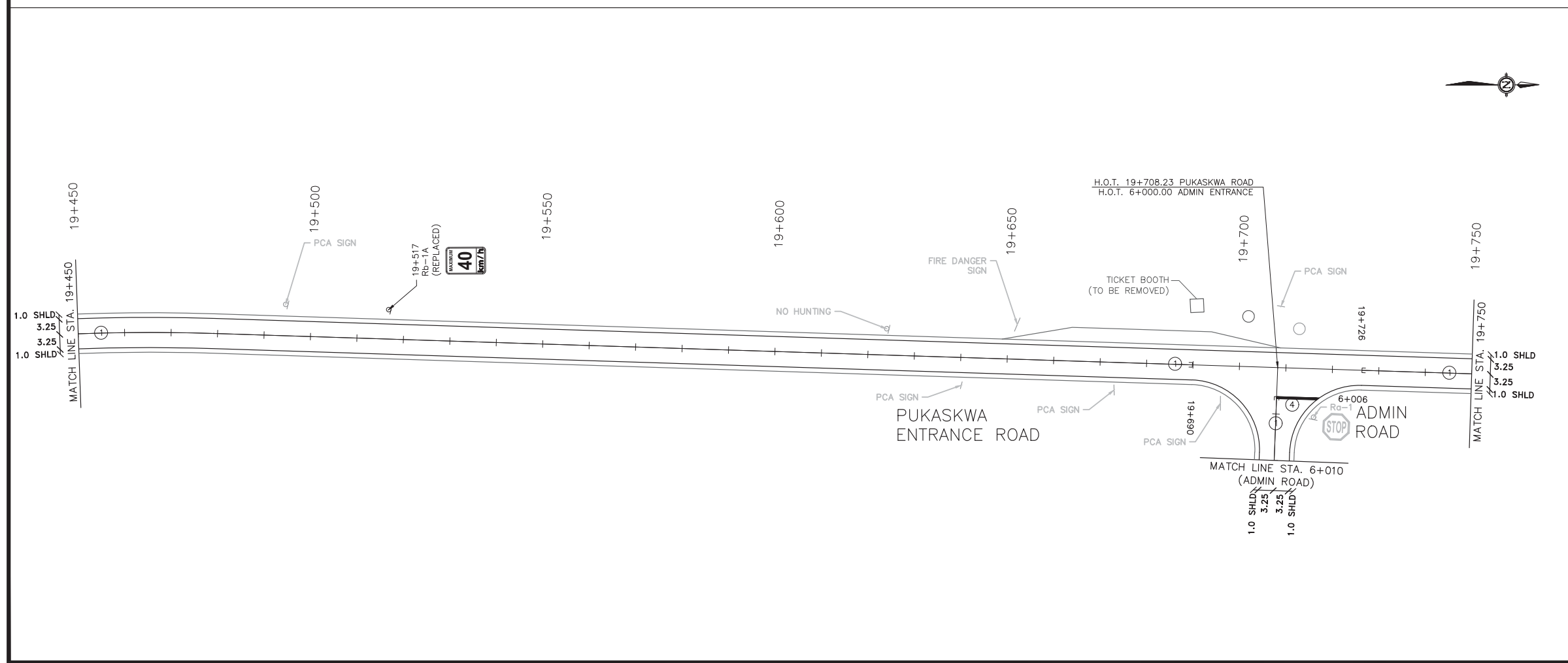
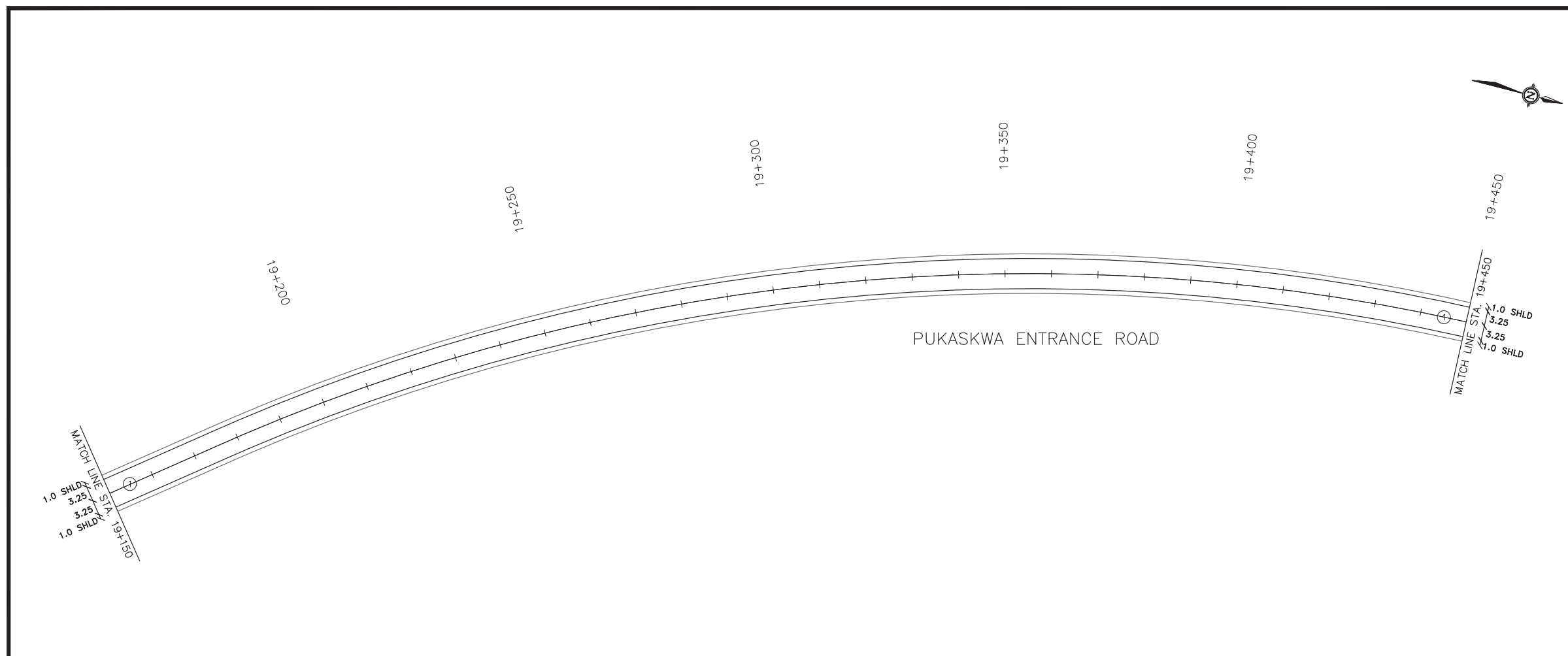
Revision / Revision	
A	Detail number / A Numéro de détail
B	Sheet number / B Numéro de la feuille

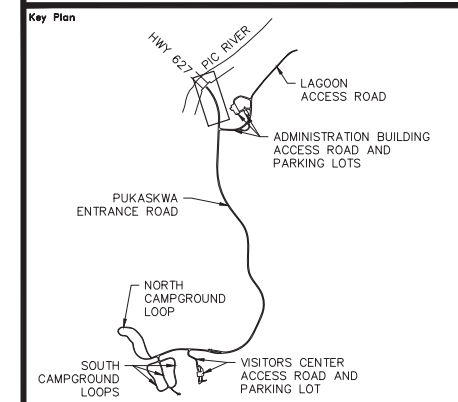
Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
---	--

Project title/Titre du projet
 Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing title/Titre du dessin
 PAVEMENT MARKING & SIGNAGE
 PUKASKWA ENTRANCE ROAD
 19+150 TO 19+750

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Dessiné par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	1:1000
Drawing Set No./No de série du dessin			Sheet No./ N ^o de la feuille C-44
			6/8





- Legend**
- NOTES:**
- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
 - FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.
- PAVEMENT MARKING LEGEND:**
- | No. | TYPE | COLOUR | WIDTH |
|-----|--------------------|--------|-------|
| ① | SOLID | YELLOW | 10 cm |
| ② | SOLID | WHITE | 10 cm |
| ③ | BROKEN (3,3,3) | WHITE | 10 cm |
| ④ | SOLID (STOP BAR) | WHITE | 45 cm |
| □ | LIMITS OF MARKINGS | | |

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	B
Detail number	A Numéro de détail
Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

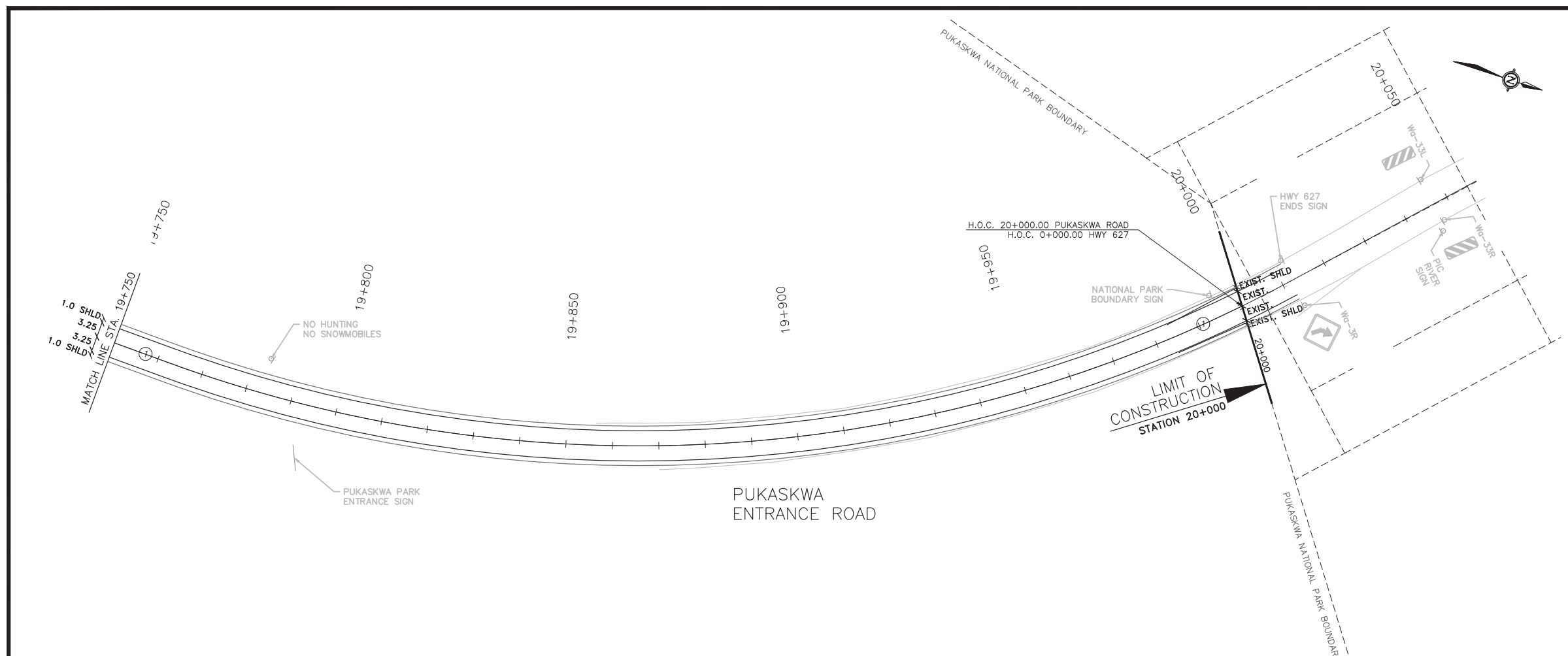
Consultant's Name / Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
I.L. WIECZOREK
08/22/17
PROFESSIONAL ENGINEER

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
PAVEMENT MARKING & SIGNAGE
PUKASKWA ENTRANCE ROAD
19+750 TO 20+000

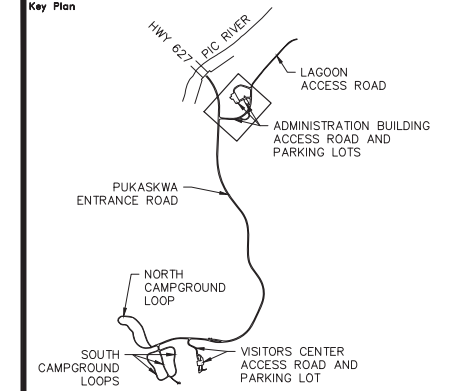
Designed by / Concept par	PO	Date	16/12/09
Drawn by / Dessiné par	PO	Date	16/12/09
Checked by / Vérifié par	JW	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / No du projet	00791	Scale / Échelle	1:1000
Drawing Set No. / No de série du dessin			7/8
			Sheet No. / No de la feuille C-45



No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW



Key Plan



Legend

NOTES:

- ALL MARKINGS AND SIGNS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11
- FINAL LOCATION OF ALL SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ERECTION.

PAVEMENT MARKING LEGEND:

No.	TYPE	COLOR	WIDTH
①	SOLID	YELLOW	10 cm
②	SOLID	WHITE	10 cm
③	BROKEN (3,3,3)	WHITE	10 cm
④	SOLID (STOP BAR)	WHITE	45 cm
□	LIMITS OF MARKINGS		

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision

A	B	Detail number Sheet number	A Numéro de détail B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp
Sceau de l'ingénieur

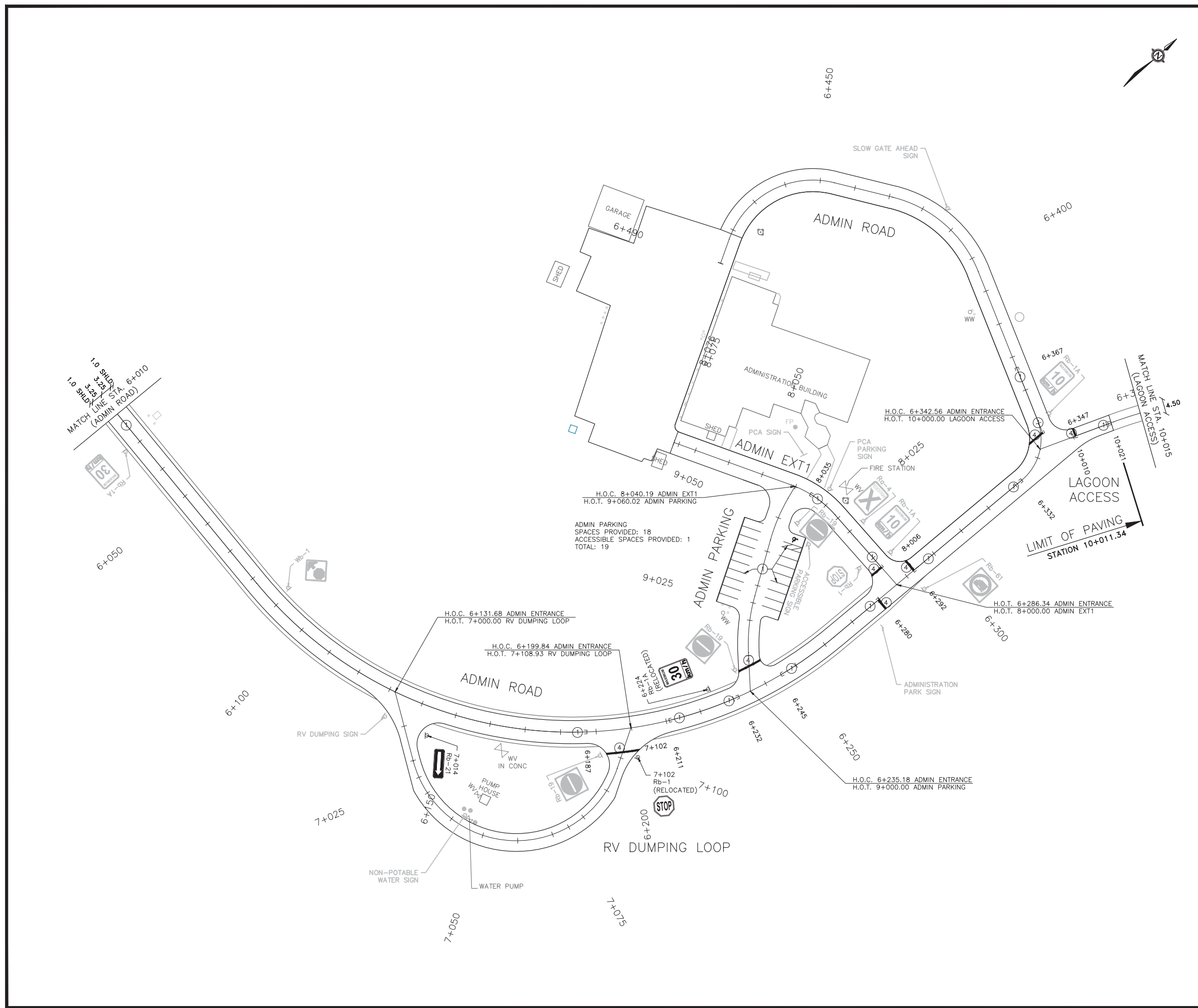
Project title/Titre du projet

Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin

PAVEMENT MARKING & SIGNAGE
ADMIN ROAD & ADMIN PARKING
& RV DUMPING LOOP

Designed by/Conçue par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./N ^o du projet	00791	Scale/Échelle	1:1000
Drawing Set No./N ^o de série du dessin			Sheet No./ N ^o de la feuille C-46
8/8			



ADMIN PARKING
SPACES PROVIDED: 18
ACCESSIBLE SPACES PROVIDED: 1
TOTAL: 19

H.O.C. 6+131.68 ADMIN ENTRANCE
H.O.T. 7+000.00 RV DUMPING LOOP

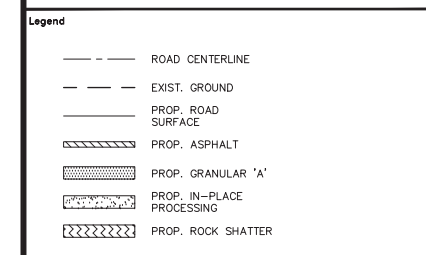
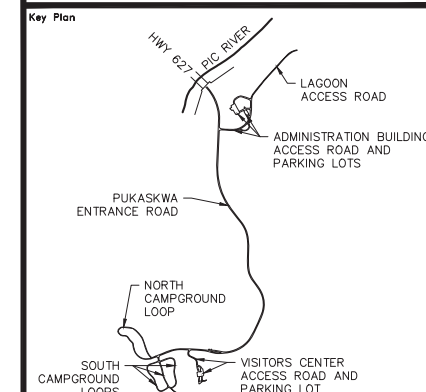
H.O.C. 6+199.84 ADMIN ENTRANCE
H.O.T. 7+108.93 RV DUMPING LOOP

H.O.C. 6+235.18 ADMIN ENTRANCE
H.O.T. 9+000.00 ADMIN PARKING

H.O.C. 6+342.56 ADMIN ENTRANCE
H.O.T. 10+000.00 LAGOON ACCESS

H.O.T. 6+286.34 ADMIN ENTRANCE
H.O.T. 8+000.00 ADMIN EXT1

H.O.C. 8+040.19 ADMIN EXT1
H.O.T. 9+060.02 ADMIN PARKING



No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

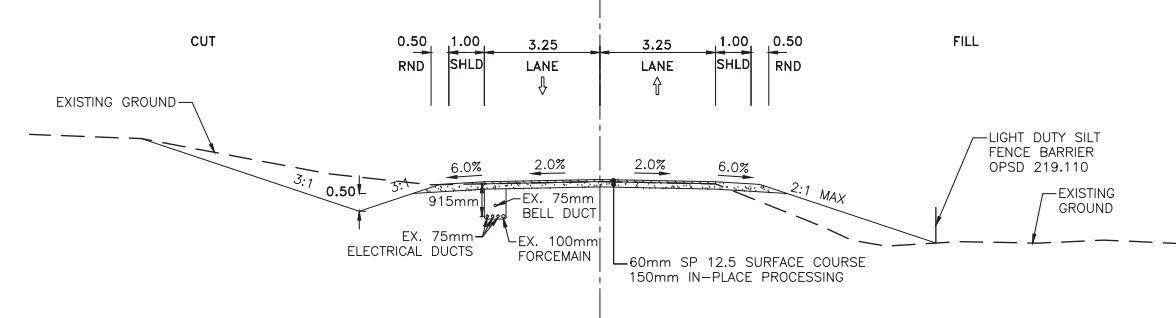
Eng. Stamp / Sceau de l'ingénieur: J.E. WIECZOREK, 02/22/17

Project title / Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

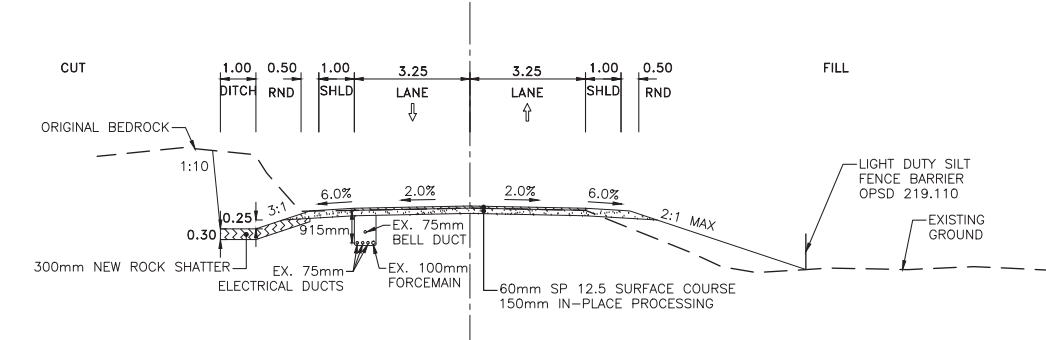
Drawing title / Titre du dessin: TYPICAL SECTIONS

Designed by / Concept par: PO	Date: 16/12/09
Drawn by / Dessiné par: PO	Date: 16/12/09
Checked by / Vérifié par: JW	Date: 16/12/09
Approved by / Approuvé par: JW	Date: 16/12/09
Project No. / No du projet: 00791	Scale / Échelle: 1/4
Drawing Set No. / No de série du dessin: 1/4	Sheet No. / Note la feuille: C-47

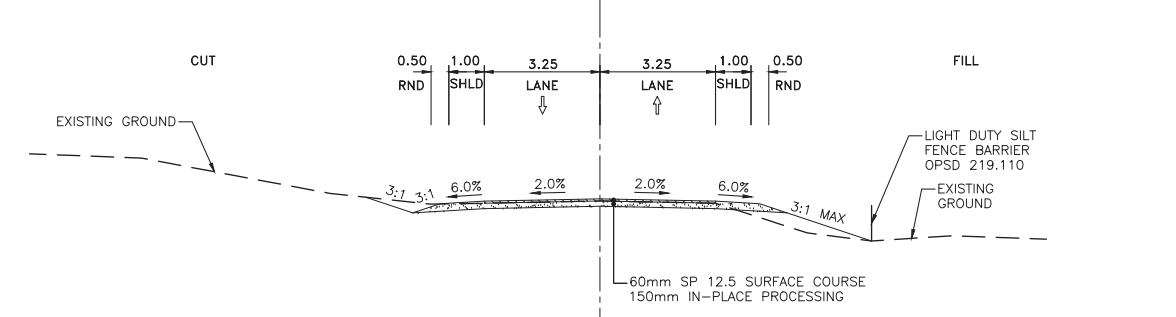
☐ PUKASKWA ROAD



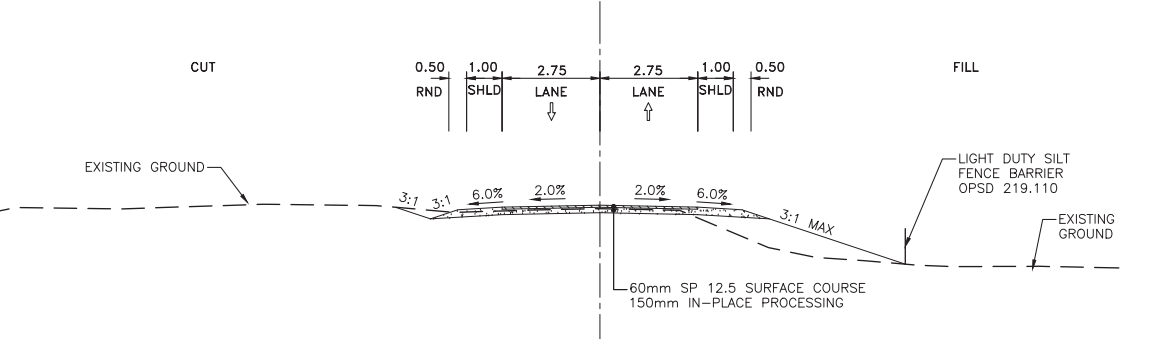
☐ PUKASKWA ROAD (ROCK CUT)



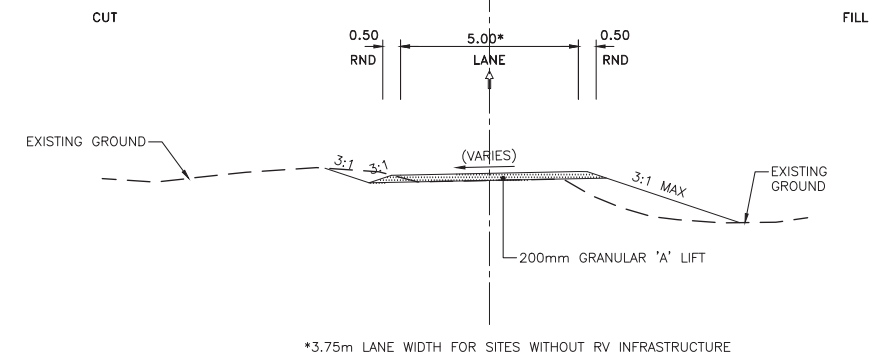
☐ ADMINISTRATION ROAD



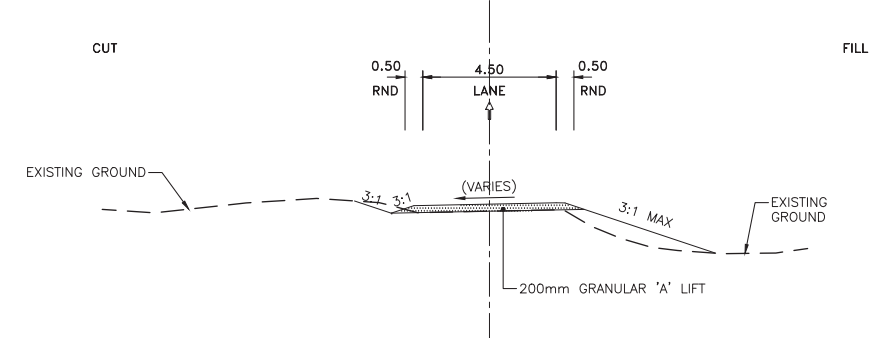
☐ VISITORS CENTER ROAD



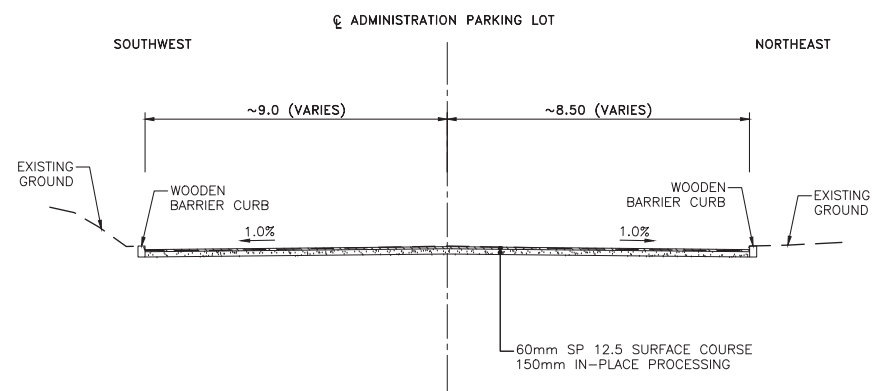
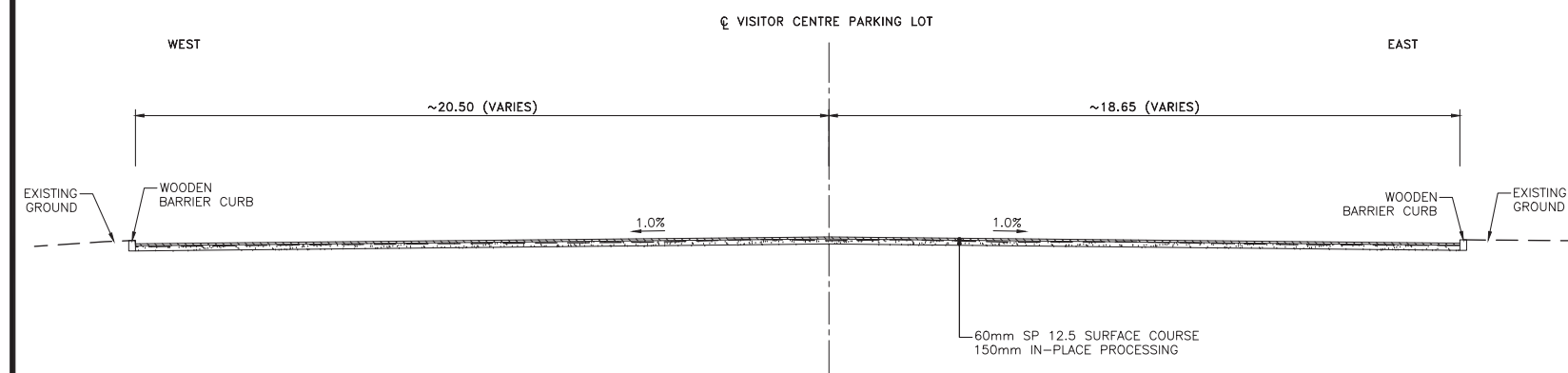
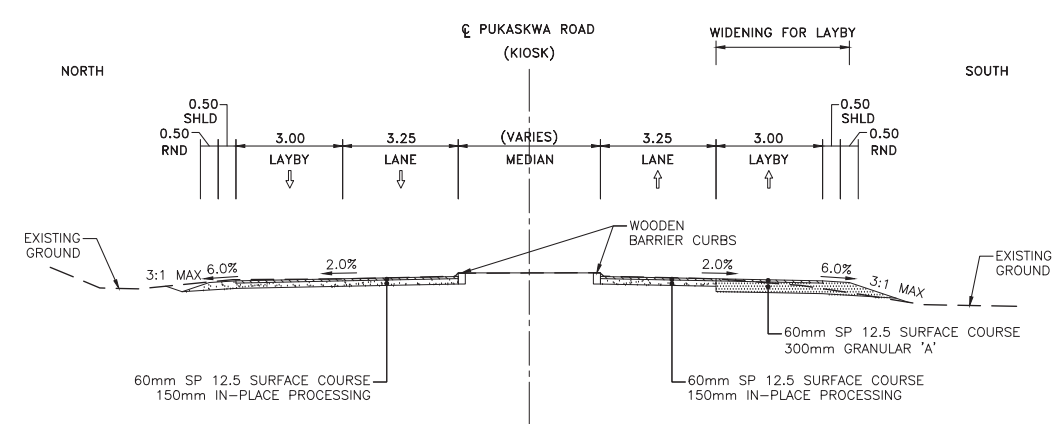
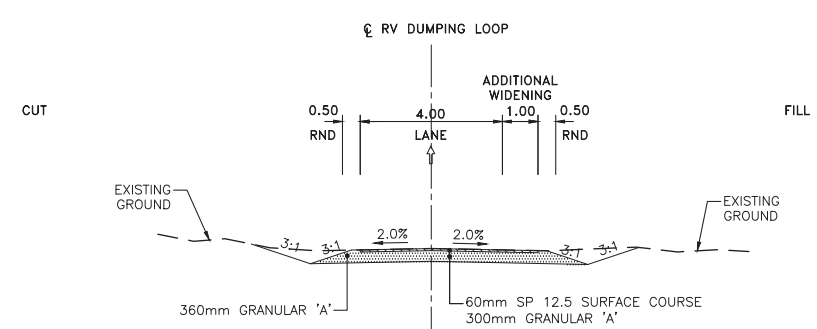
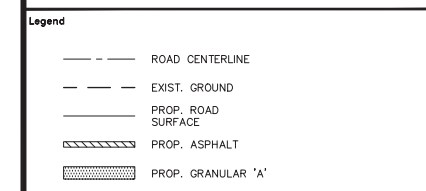
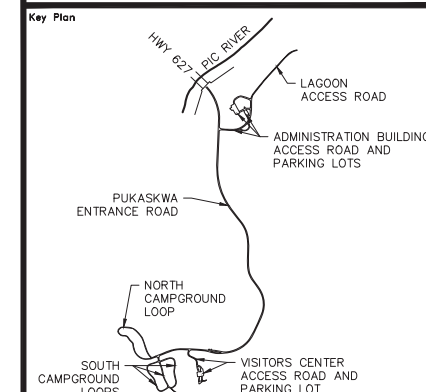
☐ CAMPGROUND LOOPS (RV/TENT SITES)



☐ LAGOON ACCESS



NOTES:
1. ADD GRANULAR 'A' ON SHOULDERS WHERE REQUIRED.
2. SEED AND MULCH ON ALL DISTURBED AREAS.



NOTES:
1. ADD GRANULAR 'A' ON SHOULDERS WHERE REQUIRED.
2. SEED AND MULCH ON ALL DISTURBED AREAS.

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	17/08/22	Issued for Tender	PO	JW

Revision / Revision	
A	Detail number A Numéro de détail
B	Sheet number B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9



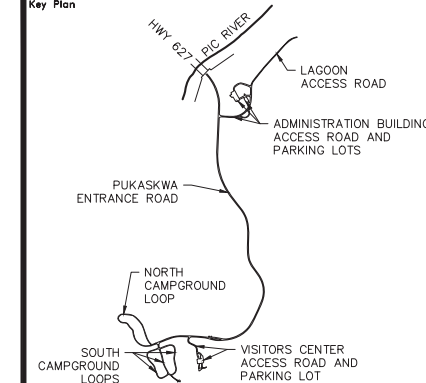
Project title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title/Titre du dessin
TYPICAL SECTIONS

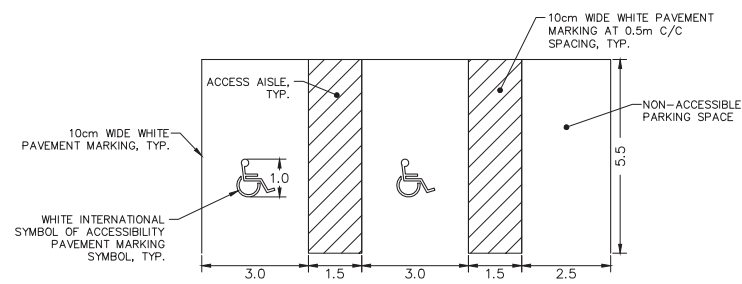
Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Véifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./No du projet	00791	Scale/Échelle	Sheet No./ N ^o de la feuille
Drawing Set No./N ^o de série du dessin	2/4		C-48



Key Plan

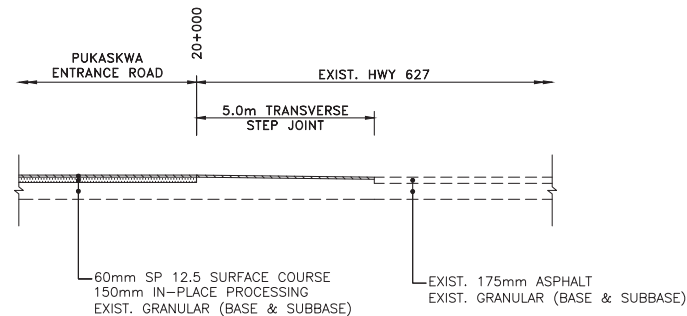


Legend



ACCESSIBLE PARKING SPACES

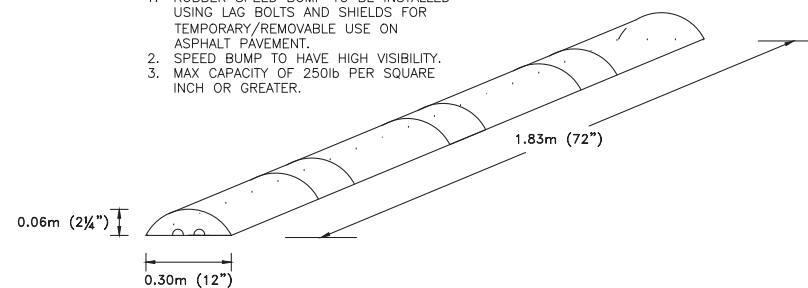
N.T.S.



PAVEMENT TRANSITION

N.T.S.

- NOTES:
1. RUBBER SPEED BUMP TO BE INSTALLED USING LAG BOLTS AND SHIELDS FOR TEMPORARY/REMOVABLE USE ON ASPHALT PAVEMENT.
 2. SPEED BUMP TO HAVE HIGH VISIBILITY.
 3. MAX CAPACITY OF 250lb PER SQUARE INCH OR GREATER.



RUBBER SPEED BUMP

N.T.S.

0	17/08/22	Issued for Tender	PO	JW
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Revision / Revision

A	Detail number	A	Numéro de détail
B	Sheet number	B	Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant: **PARSONS**
 625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

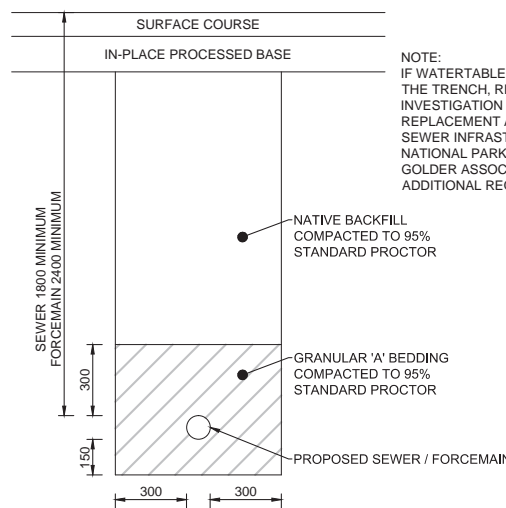
Eng. Stamp / Sceau de l'ingénieur: **ILL THOMAS**
 LICENSED PROFESSIONAL ENGINEER
 100130368
 PROVINCE OF ONTARIO

Project title/Titre du projet: **Road Reconstruction Project**
 Pukaskwa National Park, Heron Bay, Ontario

Drawing title/Titre du dessin: **DETAILS**

Designed by/Concept par	PO	Date	16/12/09
Drawn by/Designé par	PO	Date	16/12/09
Checked by/Vérifié par	JW	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09

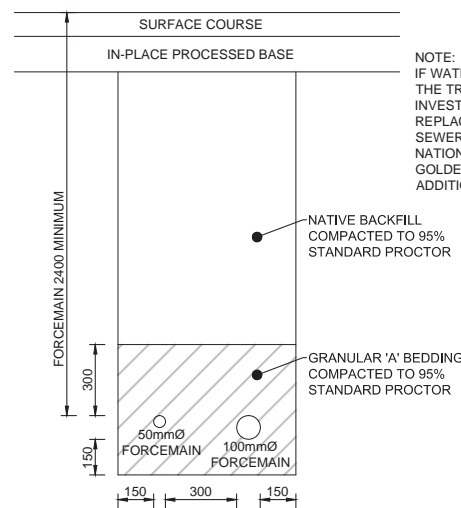
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Drawing Set No./N ^o de série du dessin	3/4				



SINGLE SEWER TRENCH

N.T.S.

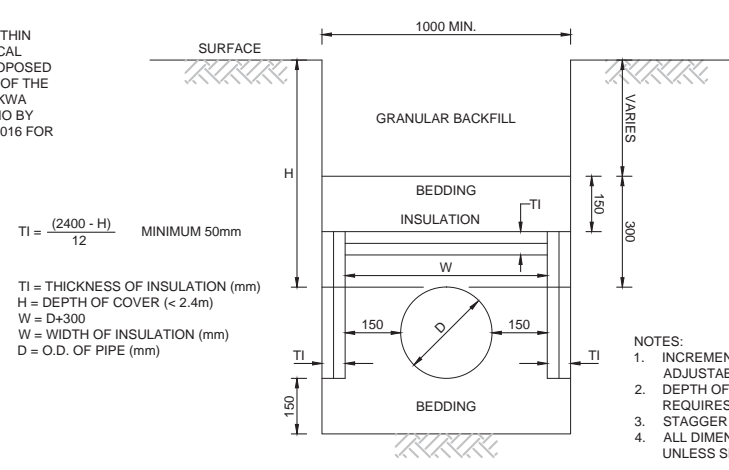
NOTE: IF WATERTABLE IS ENCOUNTERED WITHIN THE TRENCH, REFER TO GEOTECHNICAL INVESTIGATION AND DESIGN FOR PROPOSED REPLACEMENT AND REHABILITATION OF THE SEWER INFRASTRUCTURE AT PUKASKWA NATIONAL PARK, HERON BAY, ONTARIO BY GOLDER ASSOCIATES OCTOBER 13, 2016 FOR ADDITIONAL REQUIREMENTS



FORCEMAINS TRENCH

N.T.S.

NOTE: IF WATERTABLE IS ENCOUNTERED WITHIN THE TRENCH, REFER TO GEOTECHNICAL INVESTIGATION AND DESIGN FOR PROPOSED REPLACEMENT AND REHABILITATION OF THE SEWER INFRASTRUCTURE AT PUKASKWA NATIONAL PARK, HERON BAY, ONTARIO BY GOLDER ASSOCIATES OCTOBER 13, 2016 FOR ADDITIONAL REQUIREMENTS



THERMAL INSULATION IN SHALLOW TRENCHES

N.T.S.

- NOTES:
1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
 2. DEPTH OF COVER LESS THAN 1200mm REQUIRES SPECIAL DESIGN.
 3. STAGGER JOINTS OF MULTIPLE SHEETS.
 4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

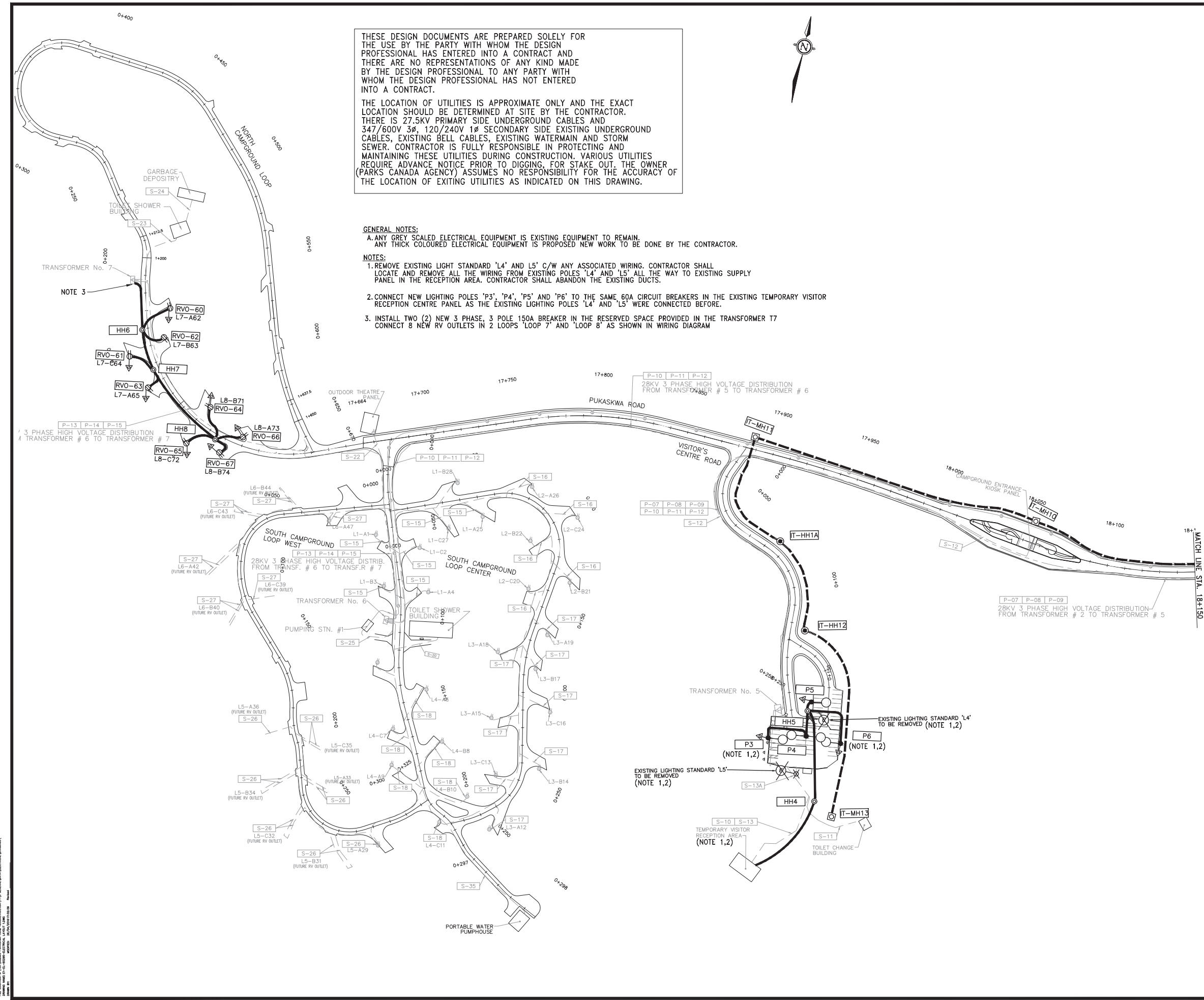
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THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHOULD BE DETERMINED AT SITE BY THE CONTRACTOR. THERE IS 27.5KV PRIMARY SIDE UNDERGROUND CABLES AND 347/600V 3Ø, 120/240V 1Ø SECONDARY SIDE EXISTING UNDERGROUND CABLES, EXISTING BELL CABLES, EXISTING WATERMAIN AND STORM SEWER. CONTRACTOR IS FULLY RESPONSIBLE IN PROTECTING AND MAINTAINING THESE UTILITIES DURING CONSTRUCTION. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.



GENERAL NOTES:
A. ANY GREY SCALED ELECTRICAL EQUIPMENT IS EXISTING EQUIPMENT TO REMAIN. ANY THICK COLOURED ELECTRICAL EQUIPMENT IS PROPOSED NEW WORK TO BE DONE BY THE CONTRACTOR.

- NOTES:**
- REMOVE EXISTING LIGHT STANDARD 'L4' AND 'L5' C/W ANY ASSOCIATED WIRING. CONTRACTOR SHALL LOCATE AND REMOVE ALL THE WIRING FROM EXISTING POLES 'L4' AND 'L5' ALL THE WAY TO EXISTING SUPPLY PANEL IN THE RECEPTION AREA. CONTRACTOR SHALL ABANDON THE EXISTING DUCTS.
 - CONNECT NEW LIGHTING POLES 'P3', 'P4', 'P5' AND 'P6' TO THE SAME 60A CIRCUIT BREAKERS IN THE EXISTING TEMPORARY VISITOR RECEPTION CENTRE PANEL AS THE EXISTING LIGHTING POLES 'L4' AND 'L5' WERE CONNECTED BEFORE.
 - INSTALL TWO (2) NEW 3 PHASE, 3 POLE 150A BREAKER IN THE RESERVED SPACE PROVIDED IN THE TRANSFORMER 7 CONNECT 8 NEW RV OUTLETS IN 2 LOOPS 'LOOP 7' AND 'LOOP 8' AS SHOWN IN WIRING DIAGRAM



LEGEND

	PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
	PROPOSED ITS DIRECT BURIED RIGID DUCT
	PROPOSED ITS HANDHOLE (OPSD 2112.020)
	PROPOSED ITS CHAMBER IDENTIFIER
	PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
	PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
	PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
	PROPOSED RV OUTLET C/W ENERGYMETER
	PROPOSED GROUND ROD
	PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
	PROPOSED CIRCUIT NUMBER IDENTIFIER
	EXISTING UNDERGROUND PRIMARY CABLES
	EXISTING UNDERGROUND SECONDARY CABLES
	EXISTING PADMOUNTED TRANSFORMER
	EXISTING RV OUTLETS
	EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
	EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
	EXISTING CIRCUIT NUMBER IDENTIFIER
	EXISTING LUMINAIRE
	INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille
	Linear dimensions in millimetres	Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
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Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
R.M. GULATI
100128334
09-22-2019
PROFESSEUR DE QUALITÉ

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
ELECTRICAL LAYOUT I

Designed by / Concept par	RG	Date	16/12/23
Drawn by / Dessiné par	MR	Date	16/12/23
Checked by / Vérifié par	RG	Date	16/12/23
Approved by / Approuvé par	RG	Date	16/12/23
Project No. / No du projet	00791	Scale / Echelle	1:2000
Drawing Set No. / No de série du dessin			Sheet No. / N° de la feuille E-1

1/10

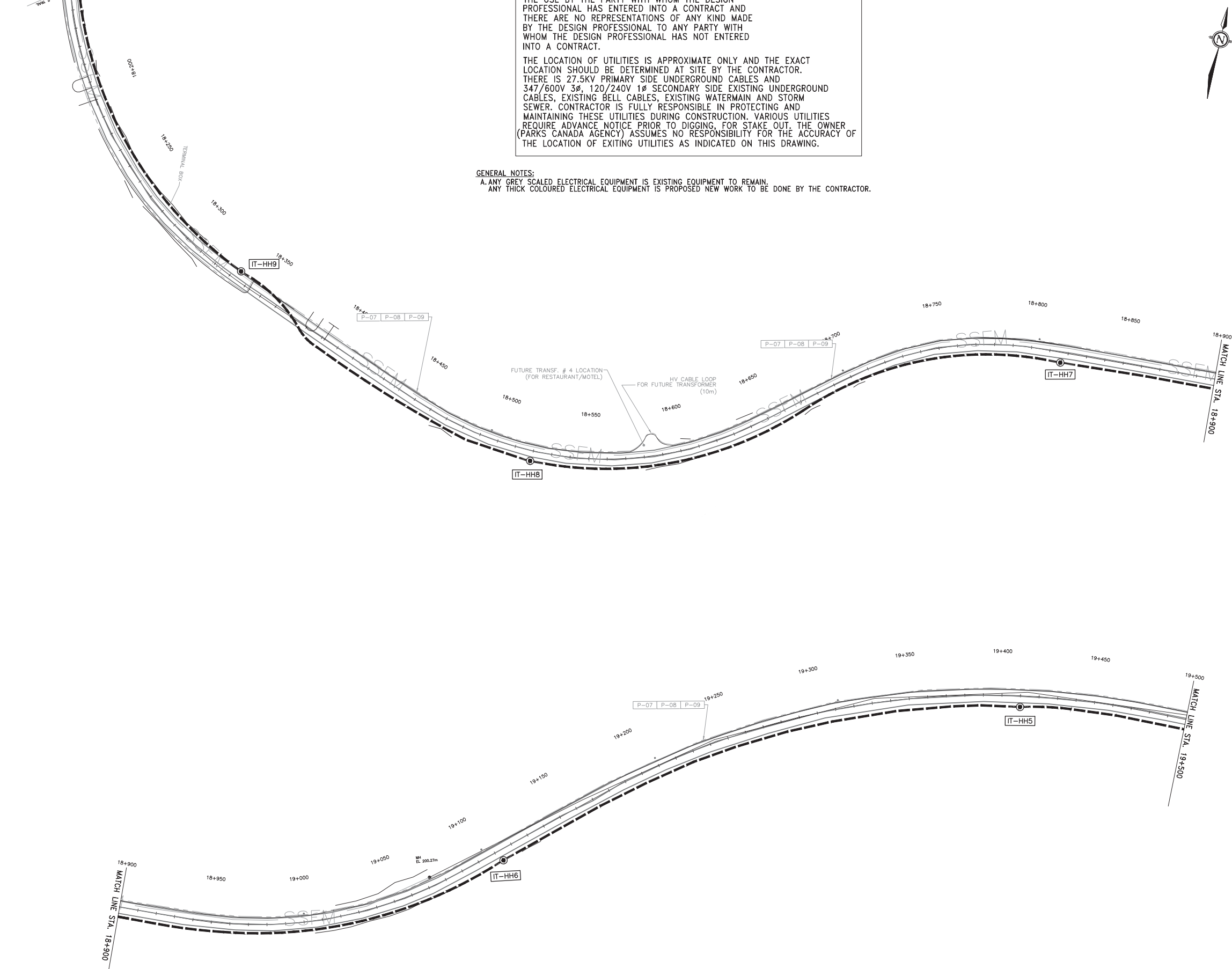
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THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHOULD BE DETERMINED AT SITE BY THE CONTRACTOR. THERE IS 27.5KV PRIMARY SIDE UNDERGROUND CABLES AND 347/600V 3 ϕ , 120/240V 1 ϕ SECONDARY SIDE EXISTING UNDERGROUND CABLES, EXISTING BELL CABLES, EXISTING WATERMAIN AND STORM SEWER. CONTRACTOR IS FULLY RESPONSIBLE IN PROTECTING AND MAINTAINING THESE UTILITIES DURING CONSTRUCTION. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING. FOR STAKE OUT, THE OWNER (PARKS CANADA AGENCY) ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

GENERAL NOTES:
 A. ANY GREY SCALED ELECTRICAL EQUIPMENT IS EXISTING EQUIPMENT TO REMAIN.
 ANY THICK COLOURED ELECTRICAL EQUIPMENT IS PROPOSED NEW WORK TO BE DONE BY THE CONTRACTOR.



LEGEND

- PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
- PROPOSED ITS DIRECT BURIED RIGID DUCT
- PROPOSED ITS HANDHOLE (OPSD 2112.020)
- PROPOSED ITS CHAMBER IDENTIFIER
- PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
- PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
- PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
- PROPOSED RV OUTLET
- PROPOSED GROUND ROD
- PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
- PROPOSED CIRCUIT NUMBER IDENTIFIER
- EXISTING UNDERGROUND PRIMARY CABLES
- EXISTING UNDERGROUND SECONDARY CABLES
- EXISTING PADMOUNTED TRANSFORMER
- EXISTING RV OUTLETS
- EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING CIRCUIT NUMBER IDENTIFIER
- EXISTING LUMINAIRE
- INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
 625 Cochrane Drive
 Suite 500
 Markham, ON
 L3R 9R9



Project Title / Titre du projet
 Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing Title / Titre du dessin
 ELECTRICAL LAYOUT I

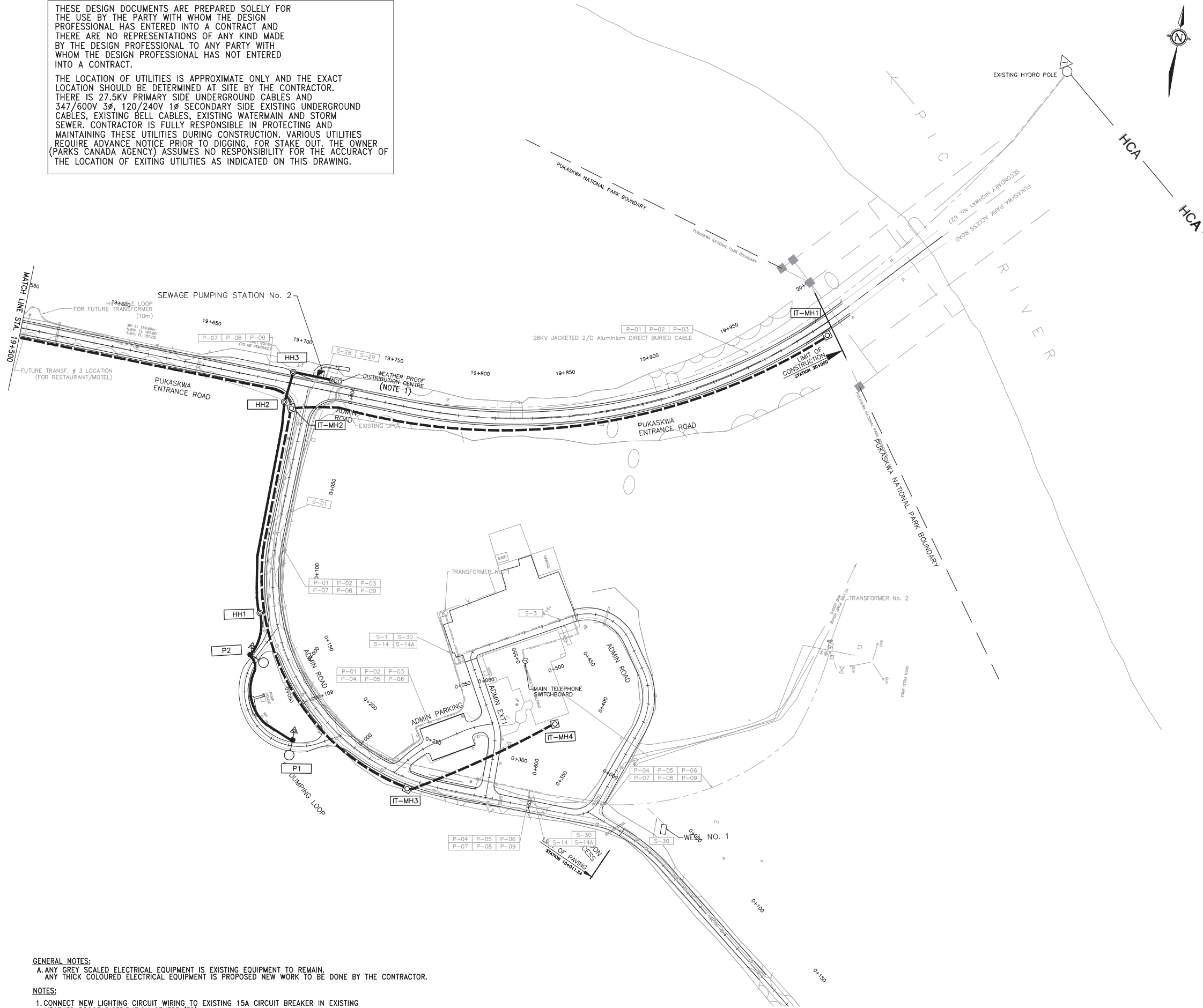
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Drawn by / Dessiné par	MR	Date	16/12/23
Checked by / Vérifié par	RG	Date	16/12/23
Approved by / Approuvé par	RG	Date	16/12/23
Project No. / N° du projet	00791	Scale / Échelle	1:2000
Drawing Set No. / N° de série du dessin			E-2

2/10

FILE LOCATION: \SYSTEME\PROJET\00791\ROAD RECONSTRUCTION\1711 - MARKHAM\001\ELECTRICAL\MARKHAM\...
 DRAWN BY: MR. M. GULATI
 CHECKED BY: MR. R. GILBERT
 DATE: 16/12/23

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LEGEND

- ☐ PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
- PROPOSED ITS DIRECT BURIED RIGID DUCT
- PROPOSED ITS HANDHOLE (OPSD 2112.020)
- [IT-HH1] PROPOSED ITS CHAMBER IDENTIFIER
- PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
- ⊙ PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
- PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
- ⊕ PROPOSED RV OUTLET
- ⚡ PROPOSED GROUND ROD
- [P1] PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
- L7-A62 PROPOSED CIRCUIT NUMBER IDENTIFIER
- EXISTING UNDERGROUND PRIMARY CABLES
- EXISTING UNDERGROUND SECONDARY CABLES
- ⚡ EXISTING PADMOUNTED TRANSFORMER
- ⊕ EXISTING RV OUTLETS
- [P-10] EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- [S-10] EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- L1-A25 EXISTING CIRCUIT NUMBER IDENTIFIER
- EXISTING LUMINAIRE
- X INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

Revision / Revision

A	Detail number / Numéro de détail	B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
R.M. GULATI
100128334
Aug 22, 2017

Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing title / Titre du dessin
ELECTRICAL LAYOUT III

Designed by / Conçue par	RG	Date	16/12/23
Drawn by / Dessiné par	MR	Date	16/12/23
Checked by / Vérifié par	RG	Date	16/12/23
Approved by / Approuvé par	RG	Date	16/12/23
Project No. / No du projet	00791	Scale / Echelle	1:2000
Drawing Set No. / No de série du dessin			Sheet No. / No de la feuille
			E-3
3/10			

GENERAL NOTES:
A. ANY GREY SCALED ELECTRICAL EQUIPMENT IS EXISTING EQUIPMENT TO REMAIN.
ANY THICK COLOURED ELECTRICAL EQUIPMENT IS PROPOSED NEW WORK TO BE DONE BY THE CONTRACTOR.

NOTES:
1. CONNECT NEW LIGHTING CIRCUIT WIRING TO EXISTING 15A CIRCUIT BREAKER IN EXISTING WEATHER PROOF DISTRIBUTION CENTRE.

PARSONS CONSULTING ENGINEERS LTD. 625 COCHRANE DRIVE, SUITE 500, MARKHAM, ON L3R 9R9
 905-477-2222
 PARSONS CONSULTING ENGINEERS LTD. 625 COCHRANE DRIVE, SUITE 500, MARKHAM, ON L3R 9R9
 905-477-2222

LEGEND

	PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
	PROPOSED ITS DIRECT BURIED RIGID DUCT
	PROPOSED ITS HANDHOLE (OPSD 2112.020)
	PROPOSED ITS CHAMBER IDENTIFIER
	PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
	PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
	PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
	PROPOSED RV OUTLET C/W ENERGY METER
	PROPOSED GROUND ROD
	PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
L7-A62	PROPOSED CIRCUIT NUMBER IDENTIFIER
	EXISTING UNDERGROUND PRIMARY CABLES
	EXISTING UNDERGROUND SECONDARY CABLES
	EXISTING PADMOUNTED TRANSFORMER
	EXISTING RV OUTLETS
P-10	EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
S-10	EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
L1-A25	EXISTING CIRCUIT NUMBER IDENTIFIER
	EXISTING LUMINAIRE
X	INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

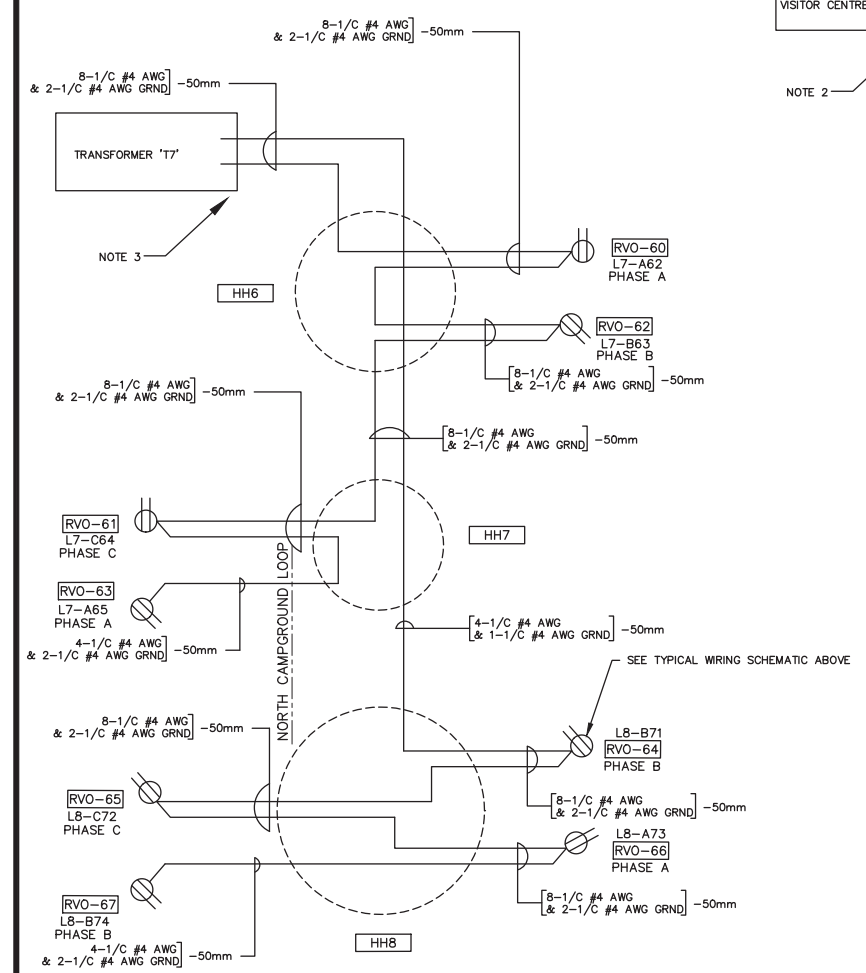
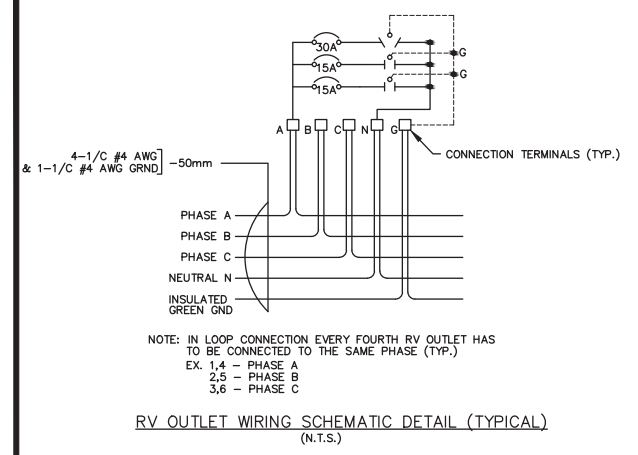
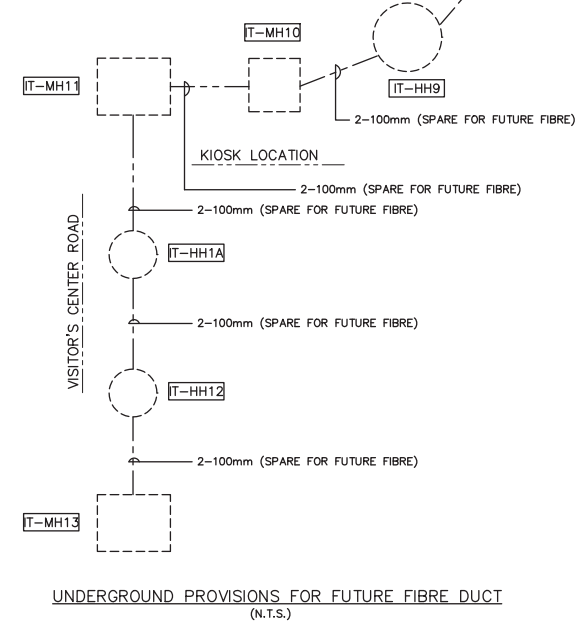
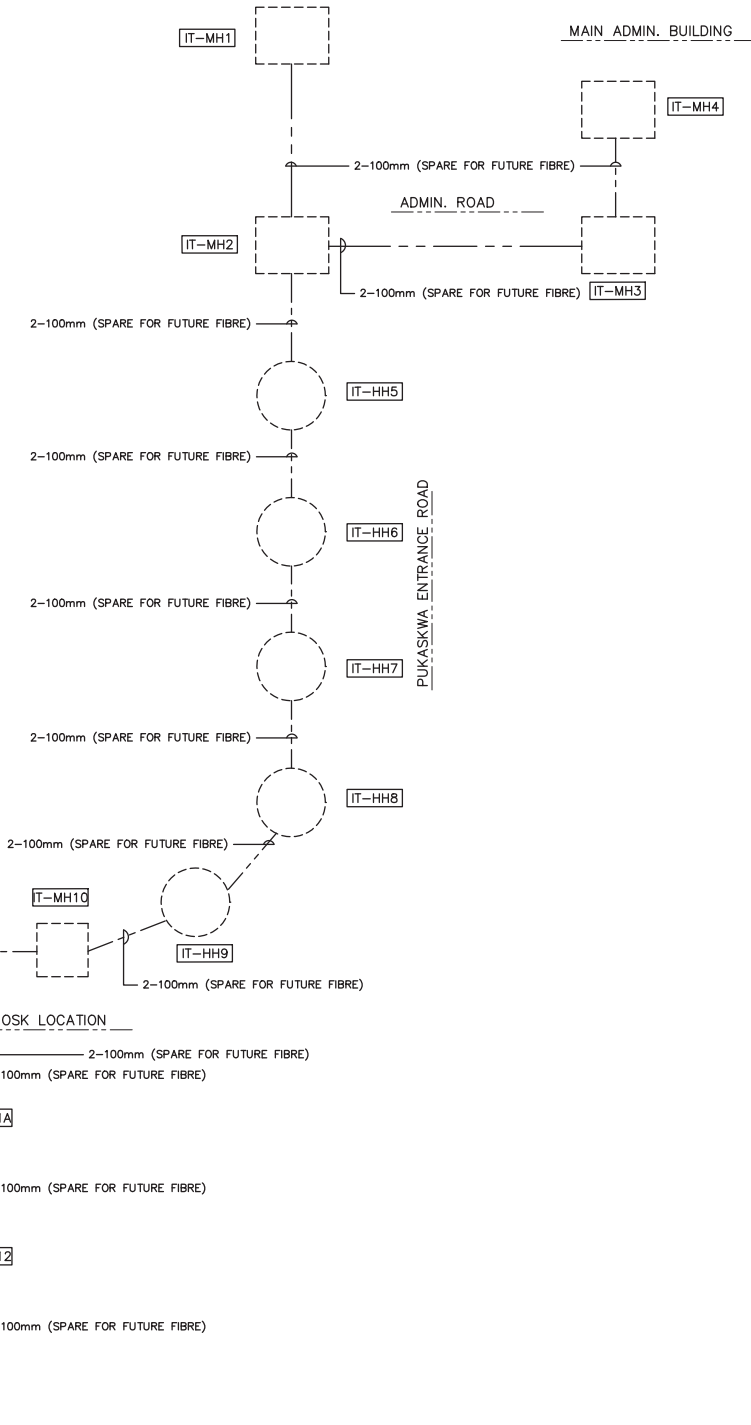
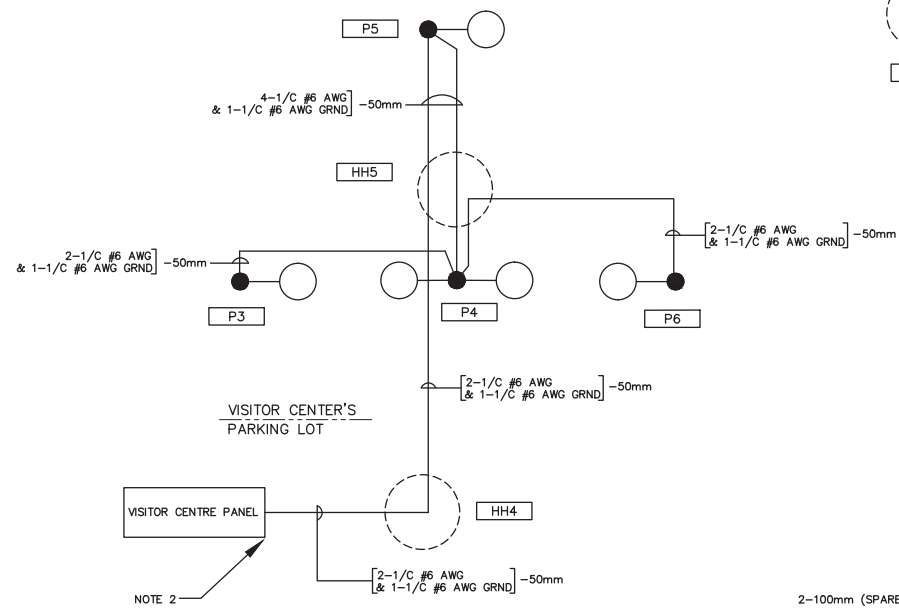
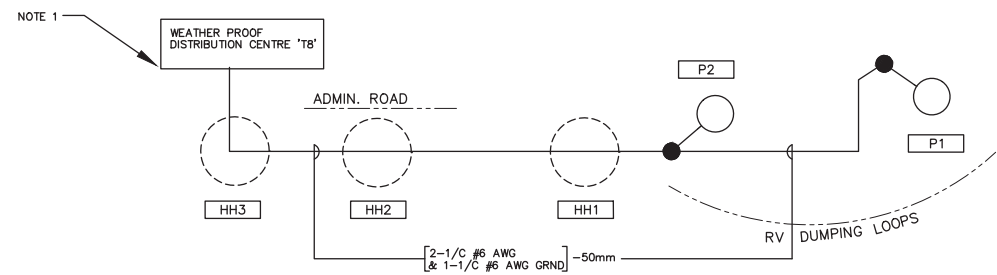
Consultant's Name / Nom de l'expert-consultant: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Sceau de l'ingénieur: R.M. GULATI, 100028334, Aug 22, 2017

Project Title/Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Drawing Title/Titre du dessin: ELECTRICAL WIRING DIAGRAM - 1

Designed by/Concept par: RG	Date: 16/12/23
Drawn by/Designé par: MR	Date: 16/12/23
Checked by/Vérifié par: RG	Date: 16/12/23
Approved by/Approuvé par: RG	Date: 16/12/23
Project No./N° du projet: 00791	Scale/Échelle: 1:2000
Drawing Set No./N° de série du dessin: E-4	



- GENERAL NOTES:**
- A. ALL SPARE RIGID PVC DUCTS MUST HAVE HIGH STRENGTH PULLING(FISHING) ROPE IN THE ENTIRE LENGTH RUNS.
- NOTES:**
- CONNECT LIGHTING CIRCUIT TO EXISTING 15A CIRCUIT BREAKER IN EXISTING WEATHER PROOF DISTRIBUTION CENTRE 'T8'
 - CONNECT NEW LIGHTING POLES 'P3', 'P4', 'P5' AND 'P6' TO THE SAME 60A CIRCUIT BREAKERS IN THE EXISTING TEMPORARY VISITOR RECEPTION CENTRE PANEL AS THE EXISTING REMOVAL LIGHTING POLES 'L4' AND 'L5' WERE CONNECTED BEFORE. (SEE SHEET 'E1')
 - INSTALL 2 NEW 3 PHASE, 3 POLE 150A BREAKER IN THE RESERVED SPACE PROVIDED IN THE TRANSFORMER T7 CONNECT 8 NEW RV OUTLETS IN 2 LOOPS 'LOOP 7' AND 'LOOP 8' AS SHOWN IN SINGLE LINE WIRING DIAGRAM

PARSONS CONSULTANTS INC. 1000 SHEPPARD AVENUE EAST, SUITE 100, MARKHAM, ON L3R 9R9
 PARSONS CONSULTANTS INC. 1000 SHEPPARD AVENUE EAST, SUITE 100, MARKHAM, ON L3R 9R9
 PARSONS CONSULTANTS INC. 1000 SHEPPARD AVENUE EAST, SUITE 100, MARKHAM, ON L3R 9R9

LEGEND

- PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
- PROPOSED ITS DIRECT BURIED RIGID DUCT
- PROPOSED ITS HANDHOLE (OPSD 2112.020)
- PROPOSED ITS CHAMBER IDENTIFIER
- PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
- PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
- PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
- PROPOSED RV OUTLET C/W ENERGYMETER
- PROPOSED GROUND ROD
- PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
- L7-A62 PROPOSED CIRCUIT NUMBER IDENTIFIER
- EXISTING UNDERGROUND PRIMARY CABLES
- EXISTING UNDERGROUND SECONDARY CABLES
- EXISTING PADMOUNTED TRANSFORMER
- EXISTING RV OUTLETS
- EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- L1-A25 EXISTING CIRCUIT NUMBER IDENTIFIER
- EXISTING LUMINAIRE
- INDICATES REMOVAL

LIGHTING POLES

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF POLE BASES, POLES, HANDWELLS ETC.
NOTE: THE COORDINATES PROVIDED FOR THE LOCATES ARE A STARTING POINT ONLY. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND ANY UNDERGROUND UTILITY CONFLICTS AND MAKE APPROPRIATE SITE ADJUSTMENTS TO THE LOCATES. ADJUSTMENTS SHALL BE MADE IN COORDINATION WITH CONTRACT ADMINISTRATOR.

POLE I.D.	POLE DESCRIPTION	POLE FOOTING	ANCHORAGE ASSEMBLY	LUMINAIRE	CO-ORDINATES		REMARKS
					NORTHING	EASTING	
P1	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	1 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5383794.94	552642.90	1-GROUND ROD
P2	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	1 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5383764.86	552601.37	1-GROUND ROD
P3	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	1 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5382229.21	552318.20	1-GROUND ROD
P4	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	2 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5382234.93	552338.98	
P5	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	1 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5382254.52	552337.72	1-GROUND ROD
P6	5.0m ROUND STEEL POLE	OPSD2200.011	OPSD2215.02	1 - 38.0W LED C/W MOUNTING BRACKET AND INDIVIDUALLY CONTROLLED PHOTOCCELL	5382235.13	552358.97	1-GROUND ROD

RV OUTLETS

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF POLE BASES, POLES, HANDWELLS ETC.
NOTE: THE COORDINATES PROVIDED FOR THE LOCATES ARE A STARTING POINT ONLY. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND ANY UNDERGROUND UTILITY CONFLICTS AND MAKE APPROPRIATE SITE ADJUSTMENTS TO THE LOCATES. ADJUSTMENTS SHALL BE MADE IN COORDINATION WITH CONTRACT ADMINISTRATOR.

RV I.D.	RV OUTLET DESCRIPTION (RV OUTLET UNIT SHALL BE COMPLETE WITH ENERGY METER)	CATALOGUE NUMBER	CO-ORDINATES		PHASE TO NEUTRAL VOLTAGE	120/208V, 1 PH, 3W-ENERGY METER (METER SHALL BE FULLY COMPATIBLE WITH M275CP6010 RV UNIT)	REMARKS
			NORTHING	EASTING			
RVO-60	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382393.09	551933.85	120V	1	1-GROUND ROD
RVO-61	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382361.47	551917.37	120V	1	1-GROUND ROD
RVO-62	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382376.26	551934.02	120V	1	1-GROUND ROD
RVO-63	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382346.47	551931.40	120V	1	1-GROUND ROD
RVO-64	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382343.34	551968.37	120V	1	1-GROUND ROD
RVO-65	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382320.36	551959.55	120V	1	1-GROUND ROD
RVO-66	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382330.82	551990.08	120V	1	1-GROUND ROD
RVO-67	200A DIRECT BURIED PEDESTAL UNIT	M275CP6010 (BY MIDWEST)	5382319.41	551978.90	120V	1	1-GROUND ROD

ELECTRICAL HANDWELLS

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF HANDWELLS ETC.
NOTE: THE COORDINATES PROVIDED FOR THE LOCATES ARE A STARTING POINT ONLY. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND ANY UNDERGROUND UTILITY CONFLICTS AND MAKE APPROPRIATE SITE ADJUSTMENTS TO THE LOCATES. ADJUSTMENTS SHALL BE MADE IN COORDINATION WITH CONTRACT ADMINISTRATOR.

I.D.	HANDWELL DESCRIPTION	OPSD	CO-ORDINATES		REMARKS
			NORTHING	EASTING	
HH1	460mm PRECAST	OPSD2112.02	5383766.81	552578.02	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH2	460mm PRECAST	OPSD2112.02	5383761.02	552463.71	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH3	460mm PRECAST	OPSD2112.02	5383762.81	552447.51	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH4	460mm PRECAST	OPSD2112.02	5382199.86	552351.55	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH5	460mm PRECAST	OPSD2112.02	5382249.14	552336.65	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH6	460mm PRECAST	OPSD2112.02	5382377.70	551921.08	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH7	460mm PRECAST	OPSD2112.02	5382357.01	551932.13	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP
HH8	460mm PRECAST	OPSD2112.02	5382326.10	551974.98	HANDWELL COVER SHALL HAVE 'ELECTRICAL' LABEL ON TOP

COMMUNICATION HANDWELLS

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF HANDWELLS ETC.
NOTE: THE COORDINATES PROVIDED FOR THE LOCATES ARE A STARTING POINT ONLY. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND ANY UNDERGROUND UTILITY CONFLICTS AND MAKE APPROPRIATE SITE ADJUSTMENTS TO THE LOCATES. ADJUSTMENTS SHALL BE MADE IN COORDINATION WITH CONTRACT ADMINISTRATOR.

I.D.	HANDWELL DESCRIPTION	OPSD	CO-ORDINATES		REMARKS
			NORTHING	EASTING	
IT-HH5	600mmX600mm PRECAST	OPSD2112.04	5383475.42	552453.86	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH6	600mmX600mm PRECAST	OPSD2112.04	5383214.78	552580.61	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH7	600mmX600mm PRECAST	OPSD2112.04	5382931.73	552643.95	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH8	600mmX600mm PRECAST	OPSD2112.04	5382659.01	552742.71	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH9	600mmX600mm PRECAST	OPSD2112.04	5382488.99	552667.53	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH1A	600mmX600mm PRECAST	OPSD2112.04	5382339.62	552300.54	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-HH12	600mmX600mm PRECAST	OPSD2112.04	5382293.25	552325.23	HANDWELL COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP

COMMUNICATION MAINTENANCE HOLE

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF HANDWELLS ETC.
NOTE: THE COORDINATES PROVIDED FOR THE LOCATES ARE A STARTING POINT ONLY. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND ANY UNDERGROUND UTILITY CONFLICTS AND MAKE APPROPRIATE SITE ADJUSTMENTS TO THE LOCATES. ADJUSTMENTS SHALL BE MADE IN COORDINATION WITH CONTRACT ADMINISTRATOR.

I.D.	HANDWELL DESCRIPTION	OPSD	CO-ORDINATES		REMARKS
			NORTHING	EASTING	
IT-MH1	600mmX1450mm PRECAST	OPSD2111.02	5384043.20	552380.92	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH2	600mmX1450mm PRECAST	OPSD2111.02	5383765.09	552466.73	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH3	600mmX1450mm PRECAST	OPSD2111.02	5383859.97	552658.68	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH4	600mmX1450mm PRECAST	OPSD2111.02	5383932.77	552611.32	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH10	600mmX1450mm PRECAST	OPSD2111.02	5382382.27	552439.61	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH11	600mmX1450mm PRECAST	OPSD2111.02	5382394.26	552273.80	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP
IT-MH13	600mmX1450mm PRECAST	OPSD2111.02	5382193.48	552363.00	MAINTENANCE HOLE COVER SHALL HAVE 'COMMUNICATION' LABEL ON TOP

0	17/08/22	Issued for Tender	MR	RG
No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

Revision / Revision

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

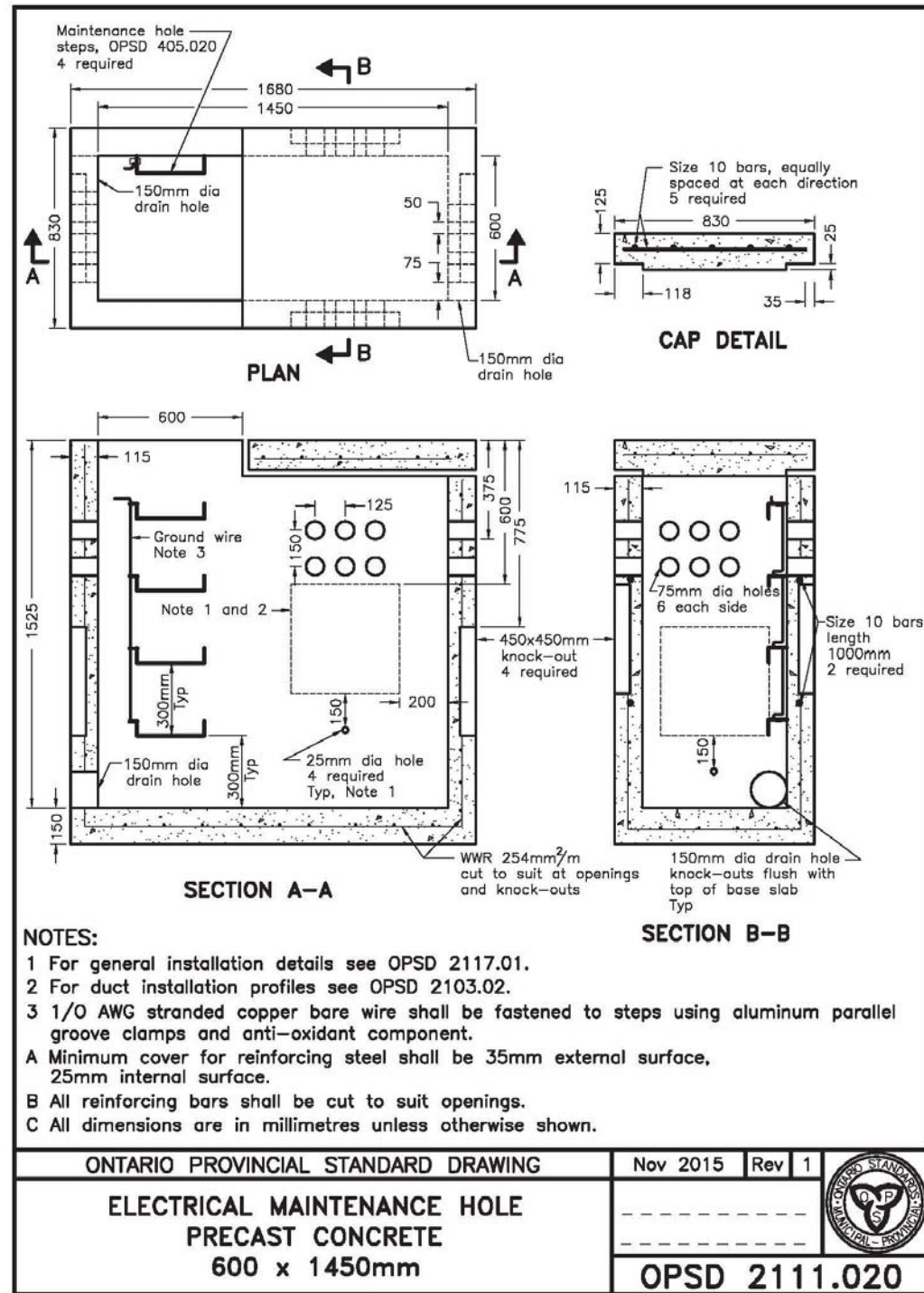
Consultant's Name / Nom de l'expert-conseil: **PARSONS**
625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Scieu de l'ingénieur: R.M. GULATI, 100128334, Exp. 22/2019, PROFESSIONAL ENGINEER, PROVINCE OF ONTARIO

Project title/Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Drawing title/Titre du dessin: ELECTRICAL CHARTS - 1

Designed by/Concept par: RG	Date: 16/12/23
Drawn by/Dessiné par: MR	Date: 16/12/23
Checked by/Véifié par: RG	Date: 16/12/23
Approved by/Approuvé par: RG	Date: 16/12/23
Project No./N° du projet: 00791	Scale/Echelle: 1:2000
Drawing Set No./N° de série du dessin: 6/10	Sheet No./N° de la feuille: E-6

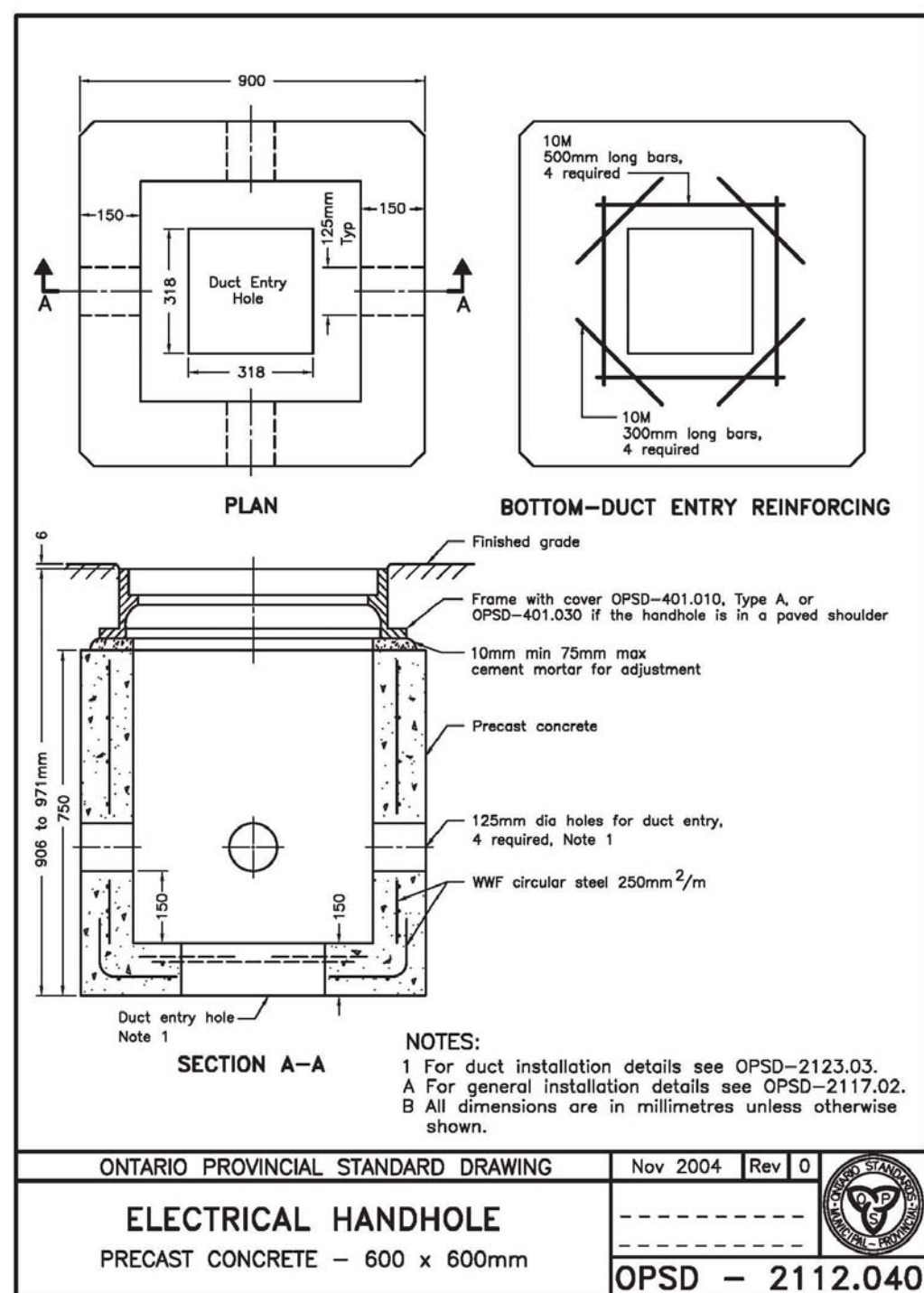


NOTES:
 1 For general installation details see OPSD 2117.01.
 2 For duct installation profiles see OPSD 2103.02.
 3 1/0 AWG stranded copper bare wire shall be fastened to steps using aluminum parallel groove clamps and anti-oxidant component.
 A Minimum cover for reinforcing steel shall be 35mm external surface, 25mm internal surface.
 B All reinforcing bars shall be cut to suit openings.
 C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 1	
ELECTRICAL MAINTENANCE HOLE PRECAST CONCRETE 600 x 1450mm			
OPSD 2111.020			

NOTE 2

NOTES:
 1. THE HANDHOLE COVER SHALL HAVE LABEL 'COMMUNICATION' ON TOP FOR IDENTIFICATION
NOTES:
 2. THE MAINTENANCE HOLE COVER SHALL HAVE LABEL 'COMMUNICATION' ON TOP FOR IDENTIFICATION



NOTES:
 1 For duct installation details see OPSD-2123.03.
 A For general installation details see OPSD-2117.02.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2004	Rev 0	
ELECTRICAL HANDHOLE PRECAST CONCRETE - 600 x 600mm			
OPSD - 2112.040			

NOTE 1

LEGEND

- PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
- PROPOSED ITS DIRECT BURIED RIGID DUCT
- PROPOSED ITS HANDHOLE (OPSD 2112.020)
- PROPOSED ITS CHAMBER IDENTIFIER
- PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
- PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
- PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
- PROPOSED RV OUTLET C/W ENERGYMETER
- PROPOSED GROUND ROD
- PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
- PROPOSED CIRCUIT NUMBER IDENTIFIER
- EXISTING UNDERGROUND PRIMARY CABLES
- EXISTING UNDERGROUND SECONDARY CABLES
- EXISTING PADMOUNTED TRANSFORMER
- EXISTING RV OUTLETS
- EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING CIRCUIT NUMBER IDENTIFIER
- EXISTING LUMINAIRE
- INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

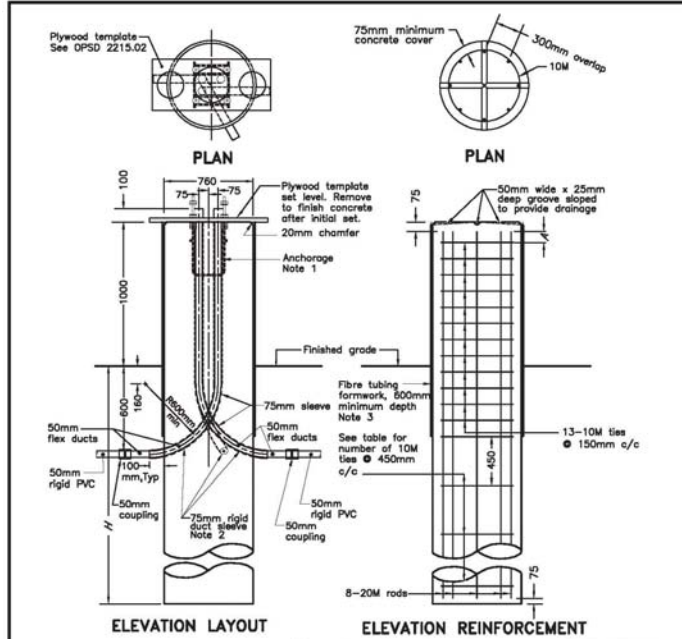
Detail number / A Numéro de détail	Sheet number / B Numéro de la feuille
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Consultant's Name / Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp / Scellé de l'ingénieur
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Project title / Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

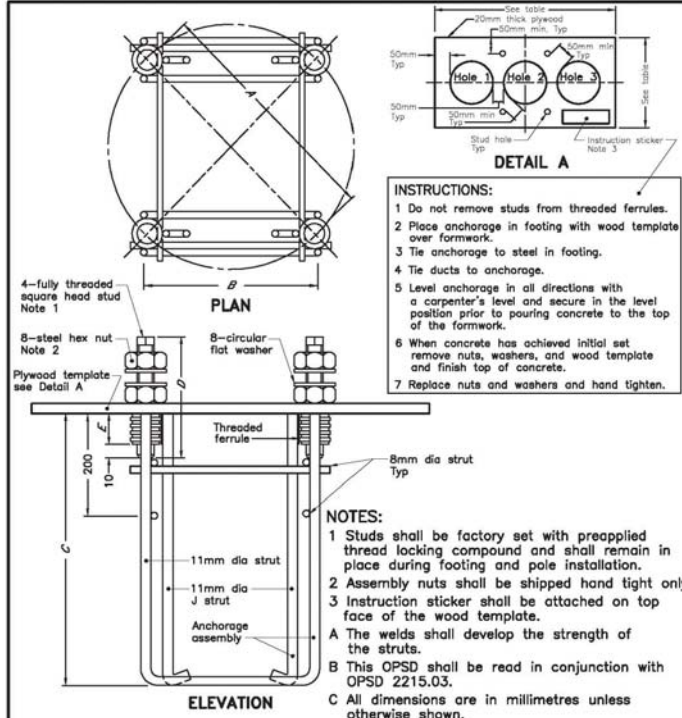
Drawing title / Titre du dessin
ELECTRICAL DETAILS - 1

Designed by / Concepté par	RG	Date	16/12/23
Drawn by / Dessiné par	MR	Date	16/12/23
Checked by / Vérifié par	RG	Date	16/12/23
Approved by / Approuvé par	RG	Date	16/12/23
Project No. / N° du projet	00791	Scale / Échelle	1:2000
Drawing Set No. / N° de série du dessin			Sheet No. / N° de la feuille
8/10			E-8



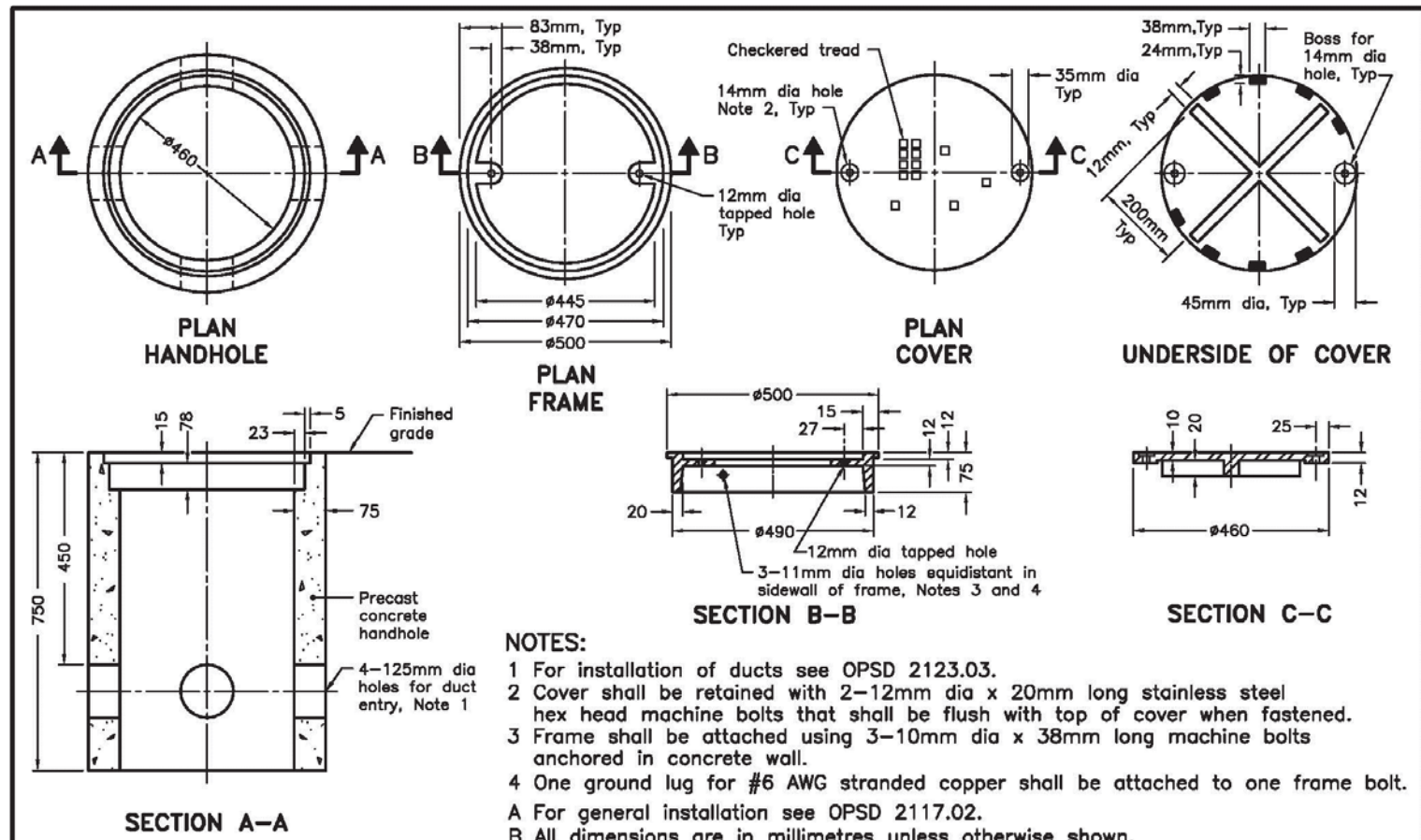
POLE LENGTH	BURIAL DEPTH	ROD LENGTH	A	NO. OF 10M TIES @ 450 c/c	BOLT CIRCLE DIA FOR METAL POLES	Sectional Steel
m	m	m	mm		Aluminum	Steel
5.6	2.15	3.00	100	3	N/A	N/A 449
7.0	2.15	3.00	100	3	N/A	N/A 449
7.5	2.15	3.00	100	3	406	406 N/A
8.7	2.45	3.30	250	3	N/A	N/A 449
9.0	2.45	3.30	0	4	406	406 N/A
10.5	2.60	3.45	100	4	406	406 449
12.0	2.75	3.60	150	4	406	406 N/A
13.6	2.90	3.75	0	5	406	406 N/A
15.1	3.05	3.90	100	5	406	406 N/A

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2010 Rev 0
RAISED CONCRETE FOOTING FOR BASE MOUNTED LIGHTING POLES
 OPSD 2200.011

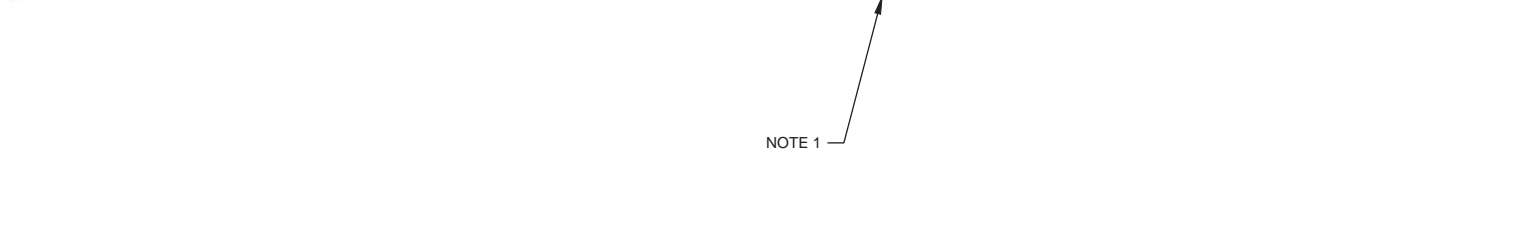


ASSEMBLY DIMENSIONS				WOOD TEMPLATE DIMENSIONS					
STUD DIA	BOLT CIRCLE DIA	STUD DISTANCE	FERULE LENGTH	ANCHORAGE DEPTH	LENGTH	WIDTH	HOLE DIA		
D	A	B	E	C	1 and 2	3	4		
32mm (1-1/4")	230	406	287	75	250mm FOR STRUCTURE	1000	400	247	306
						1000	400	247	306
						1000	418	225	349
18mm (3/4")	180	193	135	38	305	600	300	155	90

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 4
ANCHORAGE ASSEMBLY FOR LIGHTING AND SIGNAL POLES
 OPSD 2215.02



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2009 Rev 2
ELECTRICAL HANDHOLE PRECAST CONCRETE WITH COVER 460mm DIA
 OPSD 2112.02



NOTES:
 1. THE HANDHOLE COVER SHALL HAVE LABEL 'ELECTRICAL' ON TOP FOR IDENTIFICATION

- LEGEND
- ☐ PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
 - PROPOSED ITS DIRECT BURIED RIGID DUCT
 - ⊙ PROPOSED ITS HANDHOLE (OPSD 2112.020)
 - [IT-HH1] PROPOSED ITS CHAMBER IDENTIFIER
 - PROPOSED OUTDOOR POLE C/W LED LUMINAIRE
 - ⊙ PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
 - PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
 - ⊕ PROPOSED RV OUTLET C/W ENERGYSMETER
 - ⚡ PROPOSED GROUND ROD
 - [P1] PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
 - L7-A62 PROPOSED CIRCUIT NUMBER IDENTIFIER
 - EXISTING UNDERGROUND PRIMARY CABLES
 - EXISTING UNDERGROUND SECONDARY CABLES
 - ⚡ EXISTING PADMOUNTED TRANSFORMER
 - ⊕ EXISTING RV OUTLETS
 - [P-10] EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
 - [S-10] EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
 - L1-A25 EXISTING CIRCUIT NUMBER IDENTIFIER
 - EXISTING LUMINAIRE
 - X INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

Detail number / Sheet number	A Numéro de détail / B Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil: **PARSONS**
 625 Cochran Drive, Suite 500, Markham, ON L3R 9R9
 Eng. Stamp / Scellé de l'ingénieur: R.M. GULATI, 1000 2833A, Aug 22, 2019

Project title / Titre du projet: Road Reconstruction Project, Pukaskwa National Park, Heron Bay, Ontario

Drawing title / Titre du dessin: ELECTRICAL DETAILS - II

Designed by/Conçu par: RG	Date: 16/12/23
Drawn by/Dessiné par: MR	Date: 16/12/23
Checked by/Vérifié par: RG	Date: 16/12/23
Approved by/Approuvé par: RG	Date: 16/12/23
Project No./No du projet: 00791	Scale/Echelle: 1:2000
Drawing Set No./No de série du dessin: 9/10	Sheet No./No de la feuille: E-9

LEGEND

- PROPOSED ITS MAINTENANCE HOLE (OPSD 2111.020)
- PROPOSED ITS DIRECT BURIED RIGID DUCT
- PROPOSED ITS HANDHOLE (OPSD 2112.020)
- PROPOSED ITS CHAMBER IDENTIFIER
- PROPOSED OUTDOOR POLE C/W LED LUMINAIRE (OPSD 2112.040)
- PROPOSED ELECTRICAL HANDHOLE (OPSD 2112.040)
- PROP. ELECTRICAL DIRECT BURIED RIGID DUCT
- PROPOSED RV OUTLET C/W ENERGY METER
- PROPOSED GROUND ROD
- PROPOSED ELECTRICAL EQUIPMENT IDENTIFIER
- L7-A62 PROPOSED CIRCUIT NUMBER IDENTIFIER
- EXISTING UNDERGROUND PRIMARY CABLES
- EXISTING UNDERGROUND SECONDARY CABLES
- EXISTING PADMOUNTED TRANSFORMER
- EXISTING RV OUTLETS
- EXISTING PRIMARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- EXISTING SECONDARY CABLES IDENTIFIER (ALSO REFER TO CABLE SCHEDULE AND SINGLE LINE WIRING DIAGRAM)
- L1-A25 EXISTING CIRCUIT NUMBER IDENTIFIER
- EXISTING LUMINAIRE
- X INDICATES REMOVAL

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	17/08/22	Issued for Tender	MR	RG

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

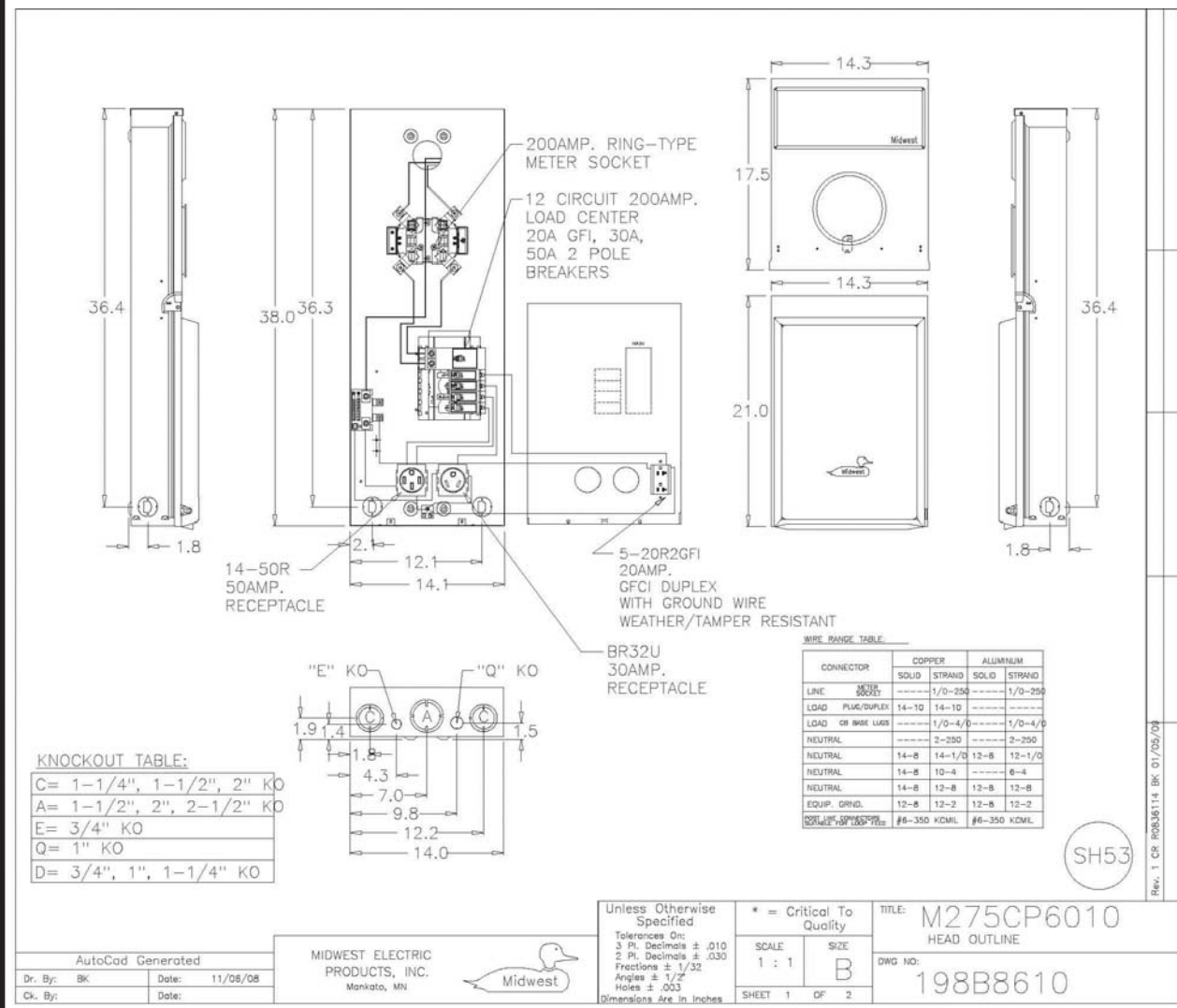
Consultant's Name / Norm de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp / Sceau de l'ingénieur
R.M. GILATI
100128334
22.2019
Province of Ontario

Project Title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing Title/Titre du dessin
ELECTRICAL DETAILS - III

Designed by/Concept par	RG	Date	16/12/23
Drawn by/Dessiné par	MR	Date	16/12/23
Checked by/Véifié par	RG	Date	16/12/23
Approved by/Approuvé par	RG	Date	16/12/23
Project No./N° du projet	00791	Scale/Echelle	1:2000
Drawing Set No./N° de série du dessin			10/10
Sheet No./N° de la feuille			E-10



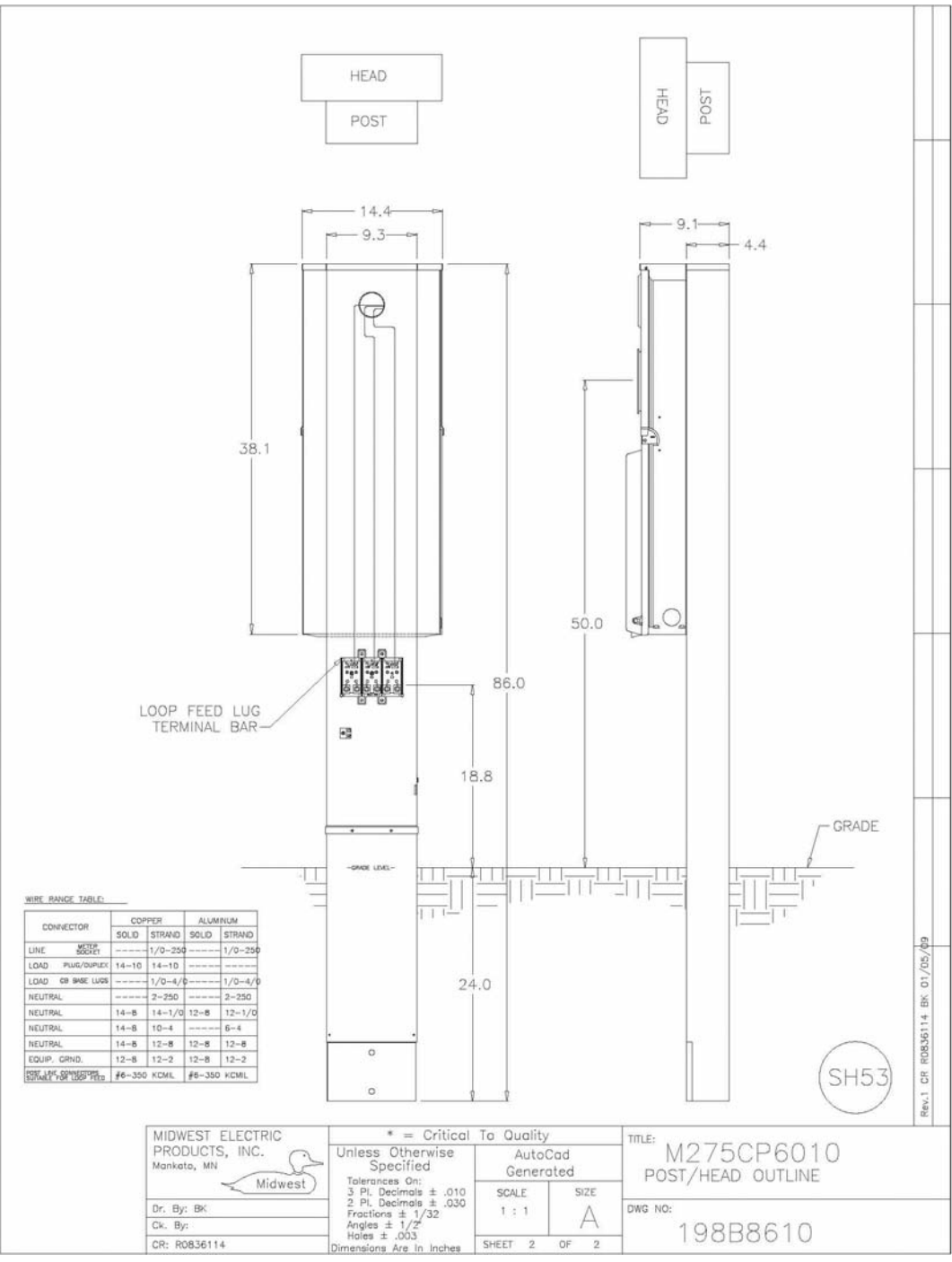
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Dr. By: Bk Date: 11/05/08
Ck. By: Date:

MIDWEST ELECTRIC PRODUCTS, INC.
Mankato, MN

Unless Otherwise Specified
Tolerances On:
3 Pl. Decimals ± .010
2 Pl. Decimals ± .030
Fractions ± 1/32
Angles ± 1/2°
Holes ± .003
Dimensions Are in Inches

* = Critical To Quality
SCALE: 1 : 1
SIZE: B
SHEET 1 OF 2

TITLE: M275CP6010
HEAD OUTLINE
DWG NO: 198B8610



AutoCad Generated
Dr. By: Bk Date: 11/05/08
Ck. By: Date:

MIDWEST ELECTRIC PRODUCTS, INC.
Mankato, MN

Unless Otherwise Specified
Tolerances On:
3 Pl. Decimals ± .010
2 Pl. Decimals ± .030
Fractions ± 1/32
Angles ± 1/2°
Holes ± .003
Dimensions Are in Inches

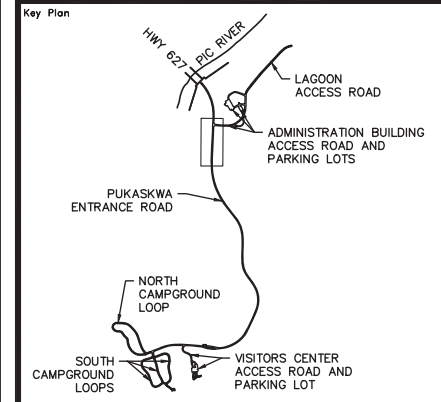
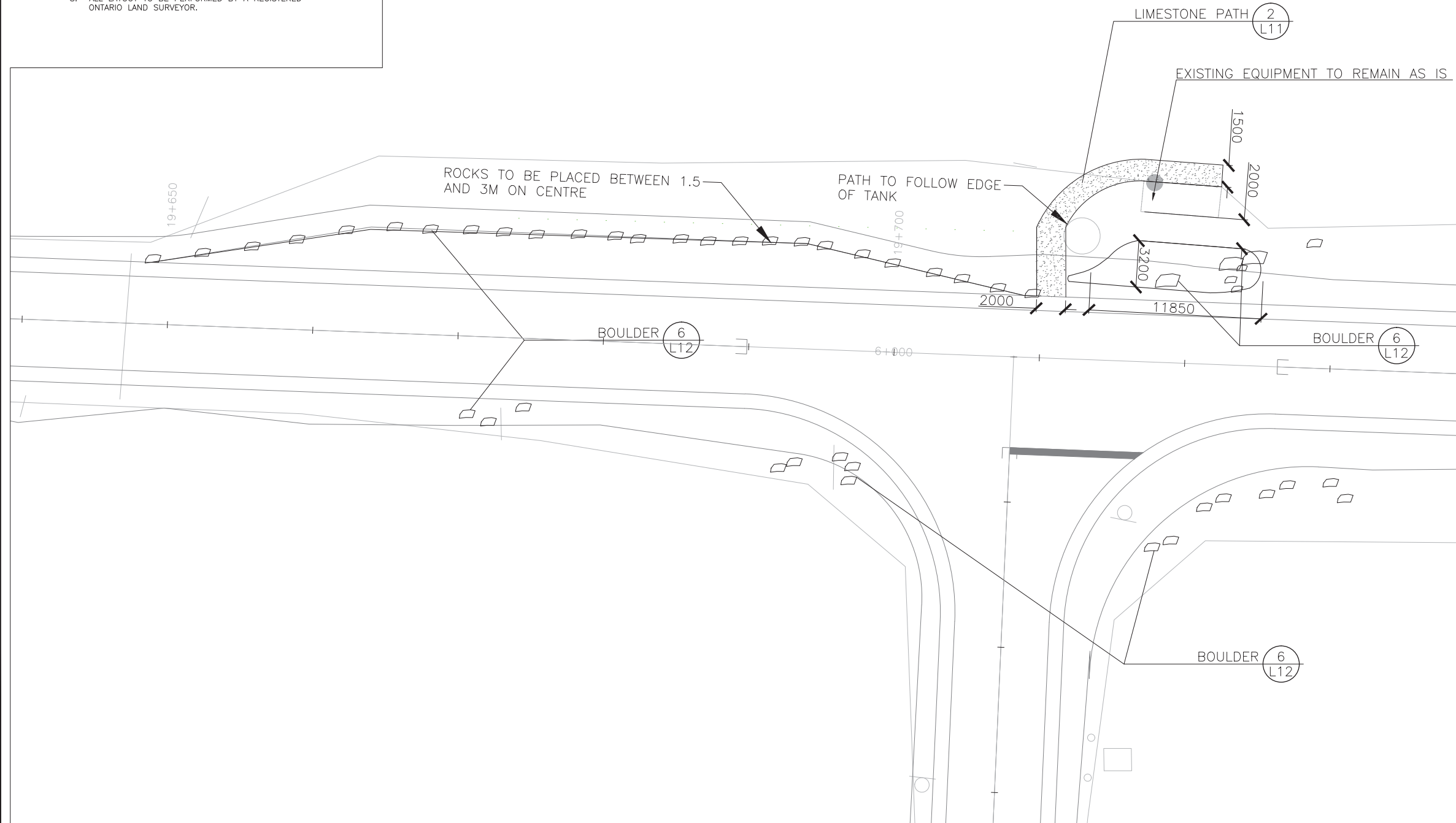
* = Critical To Quality
SCALE: 1 : 1
SIZE: A
SHEET 2 OF 2

TITLE: M275CP6010
POST/HEAD OUTLINE
DWG NO: 198B8610

MIDWEST ELECTRIC PRODUCTS, INC. 11/05/08

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS.
2. ALL MEASUREMENT ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
3. THE LOCATION OF THE UTILITIES SHOWN IS APPROXIMATE ONLY, THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE.
4. TREE PROTECTION FENCING IS TO BE INSTALLED, REMAIN AND BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL NOT BE REMOVED/RELOCATED WITHOUT PRIOR WRITTEN CONSENT.
5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAGING AND TO REPAIR ALL CONSTRUCTION DAMAGES, TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. ANY REINSTATEMENT OF EXISTING CONDITIONS SHALL BE COORDINATED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO REINSTATEMENT.
6. NO STAGING OR STORAGE OF ANY MATERIALS OR EQUIPMENT SHALL TAKE PLACE OUTSIDE OF INDICATED AREAS WITHOUT WRITTEN CONSENT.
7. CONTRACTOR SHALL DISPOSE OF ALL REFUSE AND MATERIALS SCHEDULED FOR REMOVAL OFF-SITE UNLESS OTHERWISE NOTED.
8. ALL LAYOUT TO BE PERFORMED BY A REGISTERED ONTARIO LAND SURVEYOR.



Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
□	BOULDER	—	PRIMARY ELECTRICAL LINE
▨	RIVERSTONE	○	ELECTRICAL MARKER
▩	MILDFLOWER MIX	⊕	RV OUTLET
▧	FLAGSTONE	○	LIGHT POLE
▦	MEADOW PLANTING PLAN	●	FLAG POLE
▤	ROCK GARDEN PLANTING PLAN	•	BOLLARD
▥	LIMESTONE PATHWAY	□	SIGN
▧	CONCRETE	□	WASTE RECEPTACLE
		▬	BENCH

0	16/12/09	Issued for Tender	KC	JC
No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Consultant's Name / Nom de l'expert-conseil
PARSONS
 625 Cochrane Drive
 Suite 500
 Markham, ON L3R 9R9

Eng. Stamp / Sceau de l'ingénieur

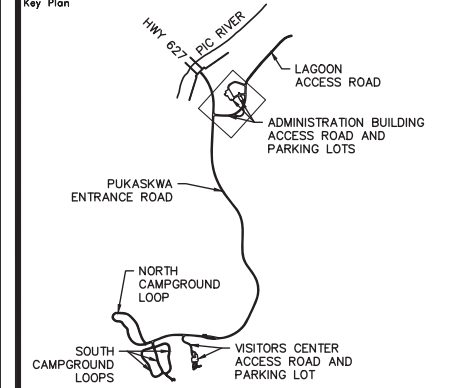
Project Title / Titre du projet
Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing Title / Titre du dessin
INTERSECTION OF ADMIN ROAD LAYOUT

Designed by / Concept par	KC	Date	16/12/09
Drawn by / Dessiné par	KC	Date	16/12/09
Checked by / Vérifié par	JC	Date	16/12/09
Approved by / Approuvé par	JC	Date	16/12/09
Project No. / N° du projet	00791	Scale / Echelle	1:150
Drawing Set No. / N° de série du dessin	1/5	Sheet No. / N° de la feuille	L-1



Key Plan



Legend

	TREE LINE		WV WATER VALVE
	BOREHOLE		WW WATER WELL
	EXIST. CULVERT		FH FIRE HYDRANT
	BOULDER		PEL PRIMARY ELECTRICAL LINE
	RIVERSTONE		EM ELECTRICAL MARKER
	WILDFLOWER MIX		RO RV OUTLET
	FLAGSTONE		LP LIGHT POLE
	MEADOW PLANTING PLAN		FP FLAG POLE
	ROCK GARDEN PLANTING PLAN		BOLLARD
	LIMESTONE PATHWAY		SIGN
	CONCRETE		WR WASTE RECEPTACLE
			BENCH

0	16/12/09	Issued for Tender	KC	JC
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Consultant's Name Nom de l'expert-conseil PARSONS 625 Cochrane Drive Suite 500 Markham, ON L3R 9R9	Eng. Stamp Sceau de l'ingénieur
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Project Title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

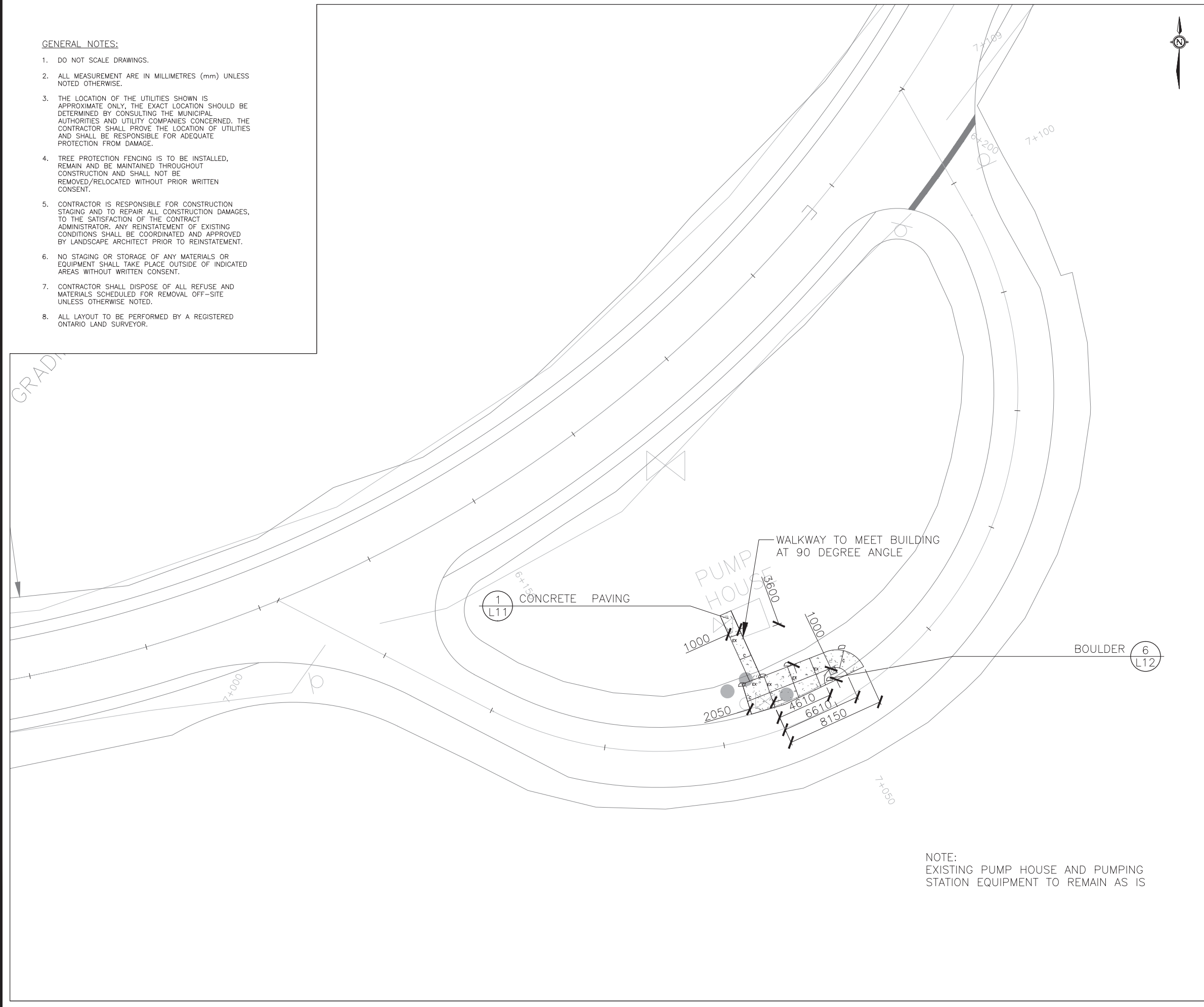
Drawing Title/Titre du dessin
RV DUMPING STATION LAYOUT

Designed by/Concept par KC	Date 16/12/09
Drawn by/Designé par KC	Date 16/12/09
Checked by/Véifié par JC	Date 16/12/09
Approved by/Approuvé par JC	Date 16/12/09
Project No./N° du projet 00791	Scale/Echelle 1:150
Drawing Set No./N° de série du dessin 2/5	Sheet No./N° de la feuille L-2

GENERAL NOTES:

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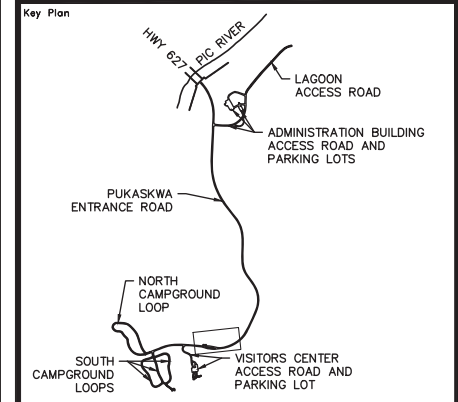
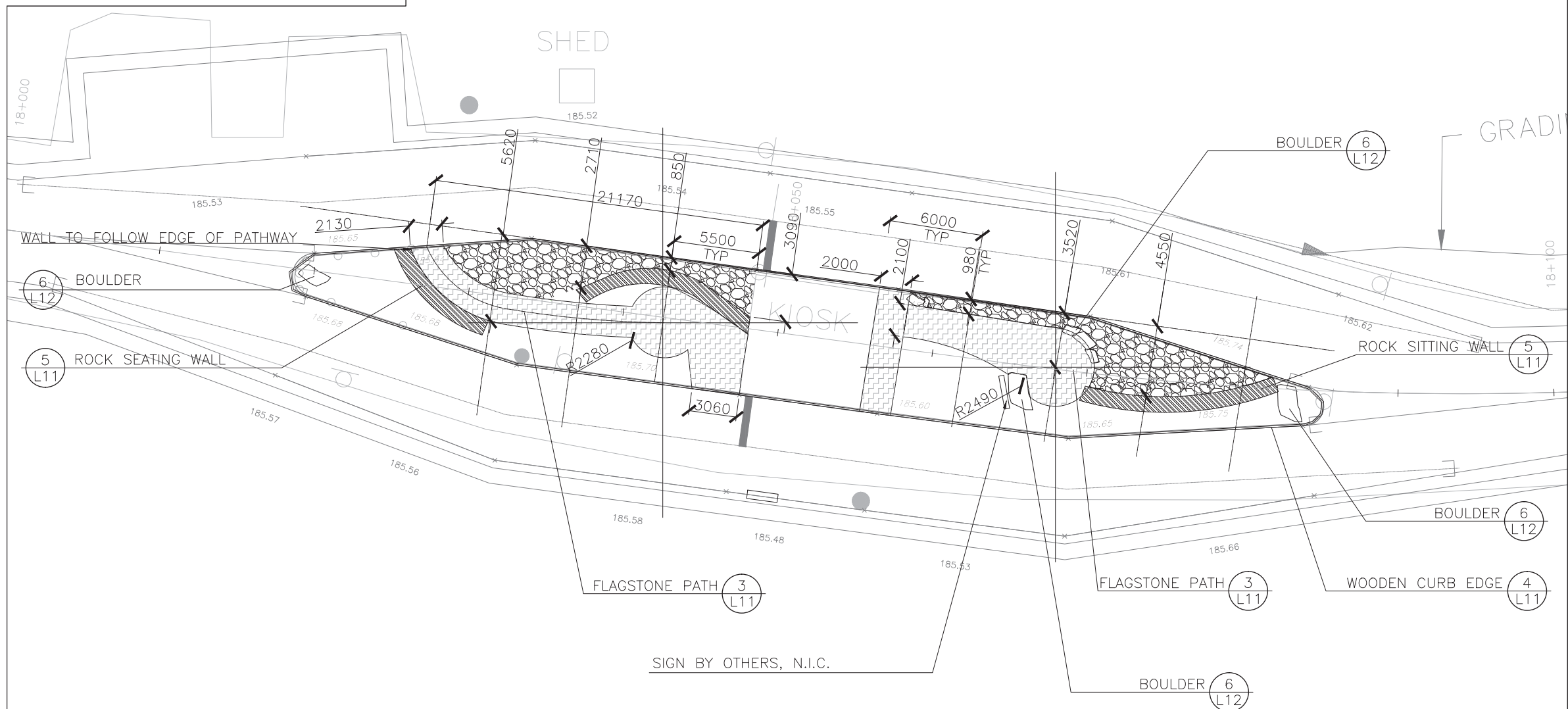
GRADING



NOTE:
EXISTING PUMP HOUSE AND PUMPING STATION EQUIPMENT TO REMAIN AS IS

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Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
□	BOULDER	—	PRIMARY ELECTRICAL LINE
▨	RIVERSTONE	○	ELECTRICAL MARKER
▩	WILDFLOWER MIX	⊕	RV OUTLET
▧	FLAGSTONE	○	LIGHT POLE
▨	MEADOW PLANTING PLAN	●	FLAG POLE
▩	ROCK GARDEN PLANTING PLAN	○	BOLLARD
▨	LIMESTONE PATHWAY	□	SIGN
▩	CONCRETE	□	WASTE RECEPTACLE
		▬	BENCH

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
0	16/12/09	Issued for Tender	KC	JC
Revision / Revision				

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
PARSONS
 625 Cochrane Drive
 Suite 500
 Markham, ON
 L3R 9R9

Eng. Stamp / Scellé de l'ingénieur

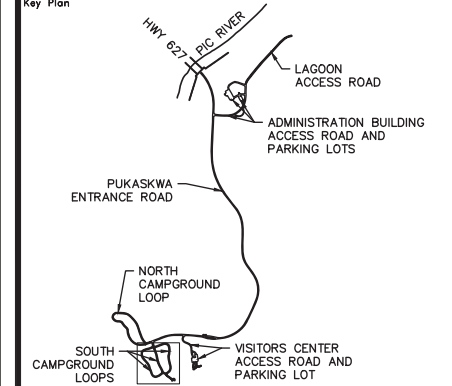
Project Title / Titre du projet
Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing Title / Titre du dessin
KIOSK LAYOUT

Designed by / Concept par	KC	Date	16/12/09
Drawn by / Dessiné par	KC	Date	16/12/09
Checked by / Vérifié par	JC	Date	16/12/09
Approved by / Approuvé par	JC	Date	16/12/09
Project No. / N° du projet	00791	Scale / Echelle	1:150
Drawing Set No. / N° de série du dessin			Sheet No. / N° de la feuille L-3
			3/5



Key Plan



Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
□	BOULDER	—	PRIMARY ELECTRICAL LINE
▨	RIVERSTONE	○	ELECTRICAL MARKER
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▩	CONCRETE	□	WASTE RECEPTACLE
		□	BENCH

0	16/12/09	Issued for Tender	KC	JC
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Linear dimensions in millimetres		Dimensions linéaires en millimètres

Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp
Sciau de l'ingénieur
CSW

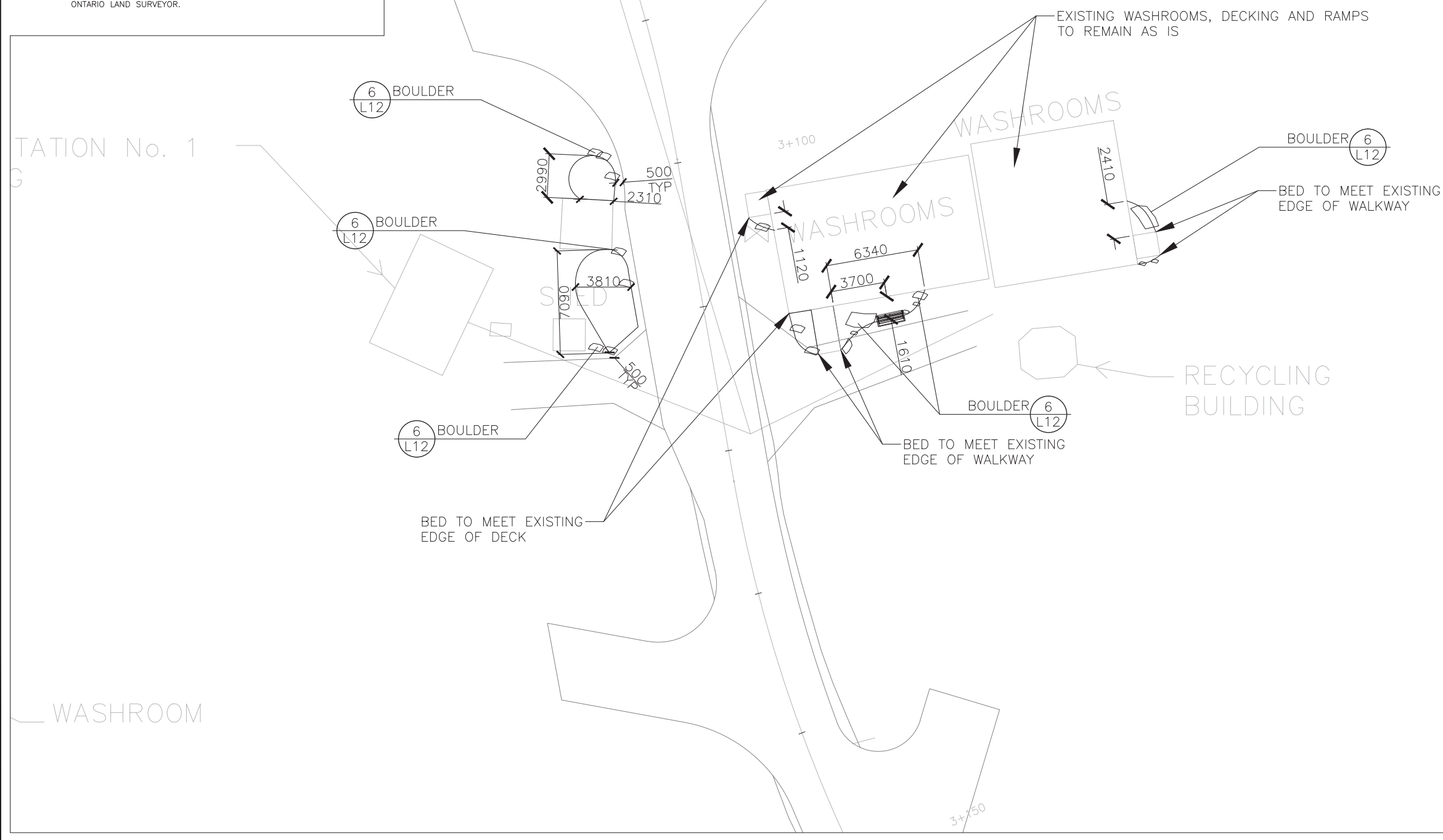
Project Title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

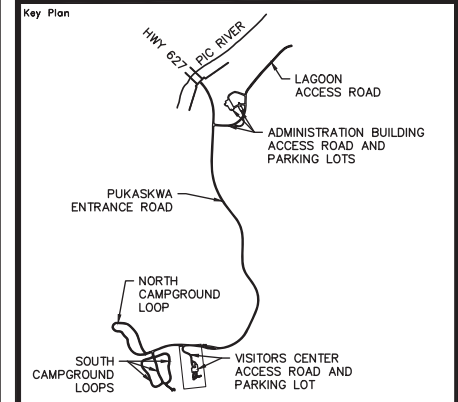
Drawing Title/Titre du dessin
SOUTH LOOP WASHROOMS LAYOUT

Designed by/Concept par	KC	Date	16/12/09
Drawn by/Dessiné par	KC	Date	16/12/09
Checked by/Véifié par	JC	Date	16/12/09
Approved by/Approuvé par	JC	Date	16/12/09
Project No./N° du projet	00791	Scale/Echelle	1:150
Drawing Set No./N° de série du dessin	4/5		Sheet No./N° de la feuille L-4

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Legend

	TREE LINE		WV WATER VALVE
	BOREHOLE		WW WATER WELL
	EXIST. CULVERT		FH FIRE HYDRANT
	BOULDER		PRIMARY ELECTRICAL LINE
	RIVERSTONE		ELECTRICAL MARKER
	WILDFLOWER MIX		RV OUTLET
	FLAGSTONE		LIGHT POLE
	MEADOW PLANTING PLAN		FLAG POLE
	ROCK GARDEN PLANTING PLAN		BOLLARD
	LIMESTONE PATHWAY		SIGN
	CONCRETE		WASTE RECEPTACLE
			BENCH

0	16/12/09	Issued for Tender	KC	JC
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Revision / Revision				

	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres

Consultant's Name
Nom de l'expert-conseil

PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp
Sceau de l'ingénieur

Project Title/Titre du projet

Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

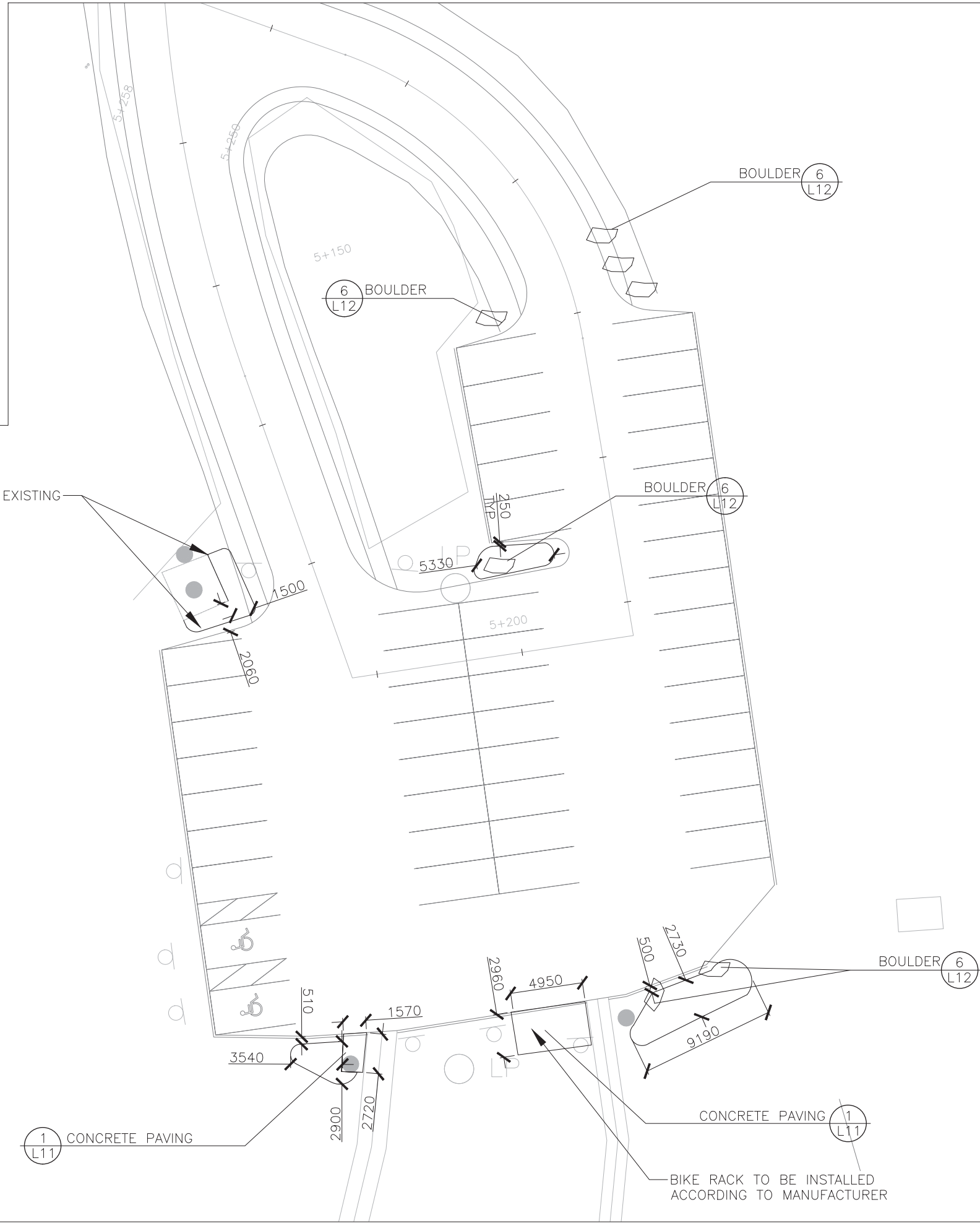
Drawing Title/Titre du dessin

VISITOR CENTRE PARKING LAYOUT

Designed by/Concept par	KC	Date	16/12/09
Drawn by/Designé par	KC	Date	16/12/09
Checked by/Véifié par	JC	Date	16/12/09
Approved by/Approuvé par	JW	Date	16/12/09
Project No./N° du projet	00791	Scale/Echelle	1:150
Drawing Set No./N° de série du dessin			Sheet No./N° de la feuille
5/5			L-5

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EDGE OF BED TO MEET EXISTING
EDGE OF FENCE

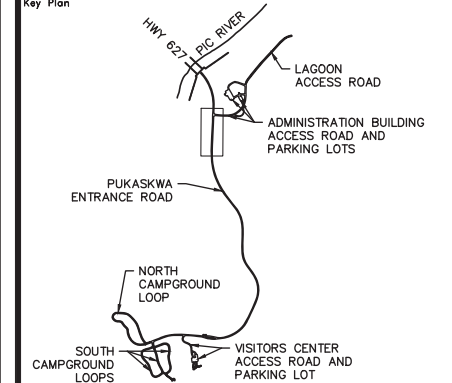
1
L11 CONCRETE PAVING

CONCRETE PAVING 1
L11

BIKE RACK TO BE INSTALLED
ACCORDING TO MANUFACTURER



Key Plan



Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
□	BOULDER	—	PRIMARY ELECTRICAL LINE
▨	RIVERSTONE	○	ELECTRICAL MARKER
▤	WILDFLOWER MIX	⊕	RV OUTLET
▥	FLAGSTONE	○ LP	LIGHT POLE
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		□	BENCH

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
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Revision / Revision	
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Linear dimensions in millimetres	Dimensions linéaires en millimètres
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 L3R 9R9

Eng. Stamp / Sceau de l'ingénieur

Project Title / Titre du projet
Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

Drawing Title / Titre du dessin
**INTERSECTION OF ADMIN ROAD
 PLANTING PLAN**

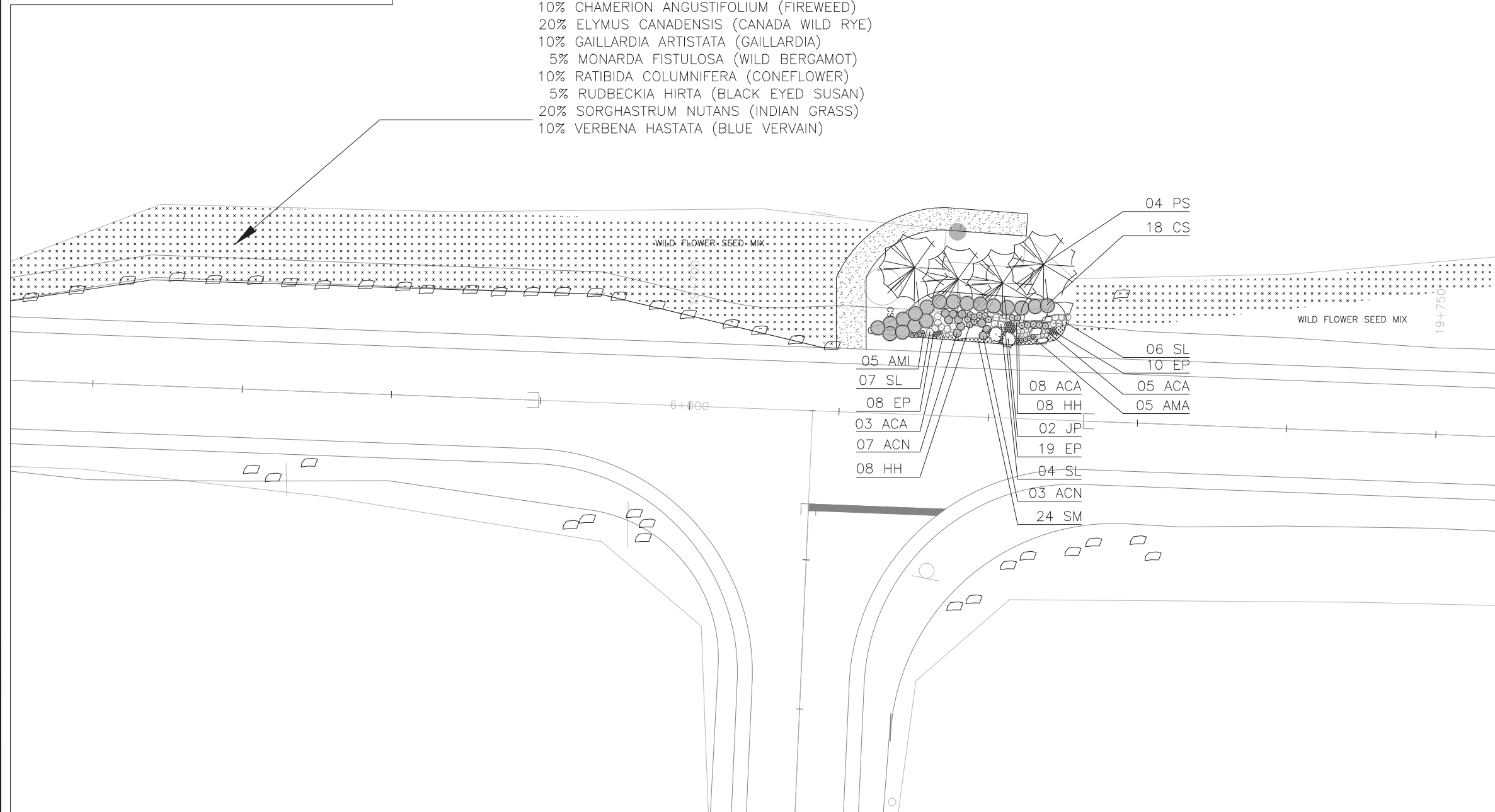
Designed by / Concept par	KC	Date	16/12/09
Drawn by / Dessiné par	KC	Date	16/12/09
Checked by / Vérifié par	JC	Date	16/12/09
Approved by / Approuvé par	JC	Date	16/12/09
Project No. / N° du projet	00791	Scale / Echelle	1:150
Drawing Set No. / N° de série du dessin			Sheet No. / N° de la feuille L-6

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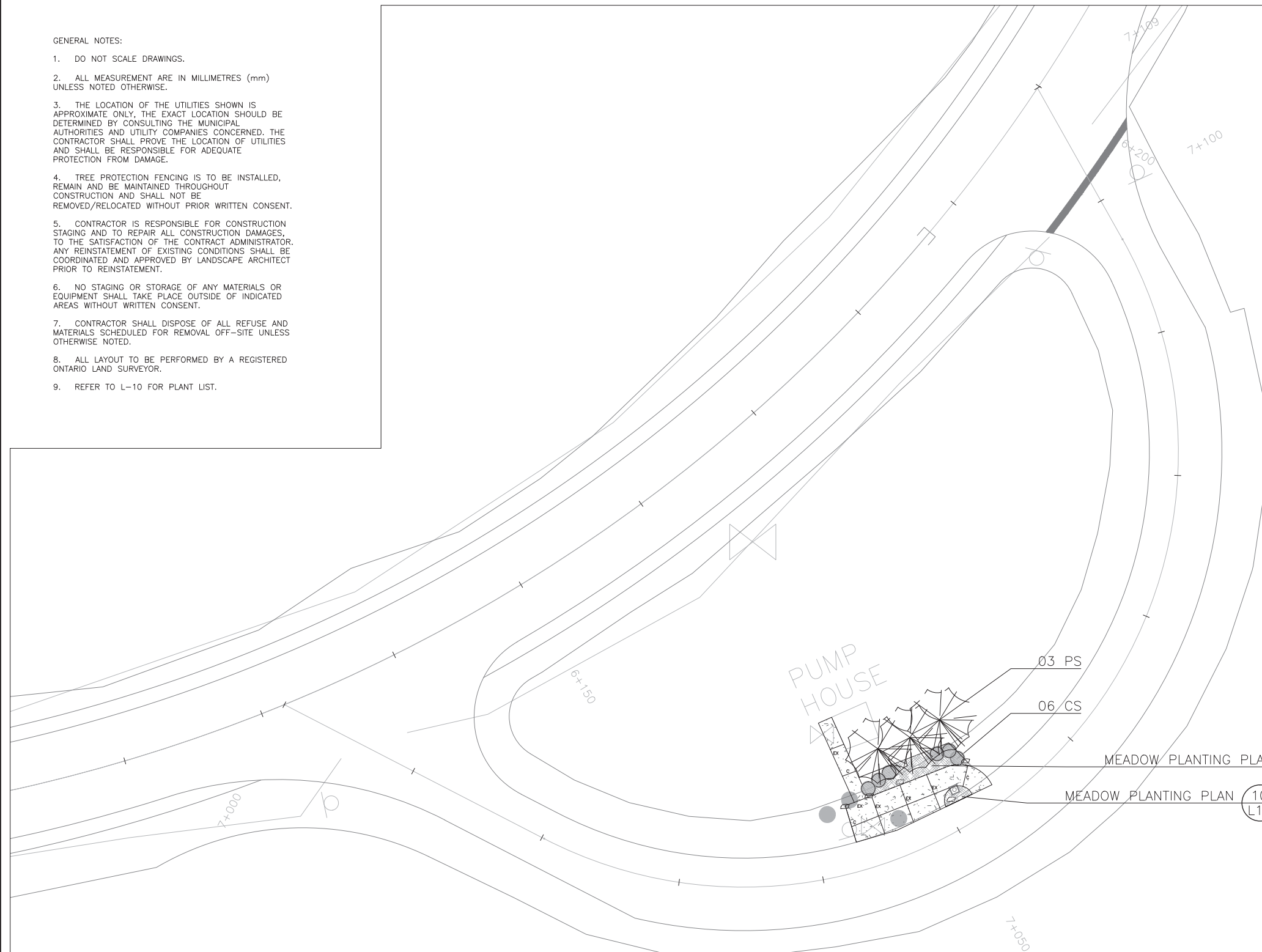
SEED MIX A 370m²
 % BY WEIGHT PERENNIALS

- 10% AGASTACHE FOENICULUM (ANISE HYSSOP)
- 10% CHAMERION ANGUSTIFOLIUM (FIREWEED)
- 20% ELYMUS CANADENSIS (CANADA WILD RYE)
- 10% GAILLARDIA ARTISTATA (GAILLARDIA)
- 5% MONARDA FISTULOSA (WILD BERGAMOT)
- 10% RATIBIDA COLUMNIFERA (CONEFLOWER)
- 5% RUDBECKIA HIRTA (BLACK EYED SUSAN)
- 20% SORGHASTRUM NUTANS (INDIAN GRASS)
- 10% VERBENA HASTATA (BLUE VERVAIN)



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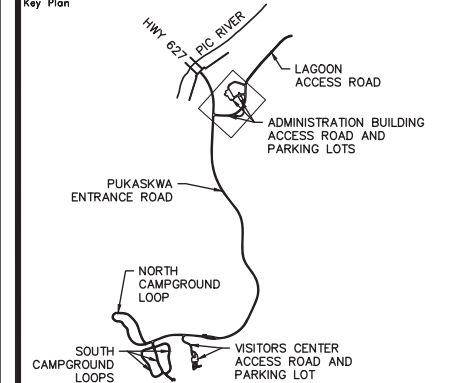
Canada



Parks Canada
Northern Ontario
Field Unit

Parcs Canada
Unité de gestion du
Nord de l'Ontario

Key Plan



Legend

	TREE LINE		WV	WATER VALVE
	BOREHOLE		WW	WATER WELL
	EXIST. CULVERT		FH	FIRE HYDRANT
	BOULDER			PRIMARY ELECTRICAL LINE
	RIVERSTONE			ELECTRICAL LINE
	WILDFLOWER MIX		RV	RV OUTLET
	FLAGSTONE		LP	LIGHT POLE
	MEADOW PLANTING PLAN		FP	FLAG POLE
	ROCK GARDEN PLANTING PLAN		B	BOLLARD
	LIMESTONE PATHWAY		S	SIGN
	CONCRETE			WASTE RECEPTACLE
				BENCH

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
0	16/12/09	Issued for Tender	KC	JC

Revision / Revision	
A	Detail number Sheet number
B	A Numéro de détail B Numéro de la feuille

Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Consultant's Name
Nom de l'expert-conseil
PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9



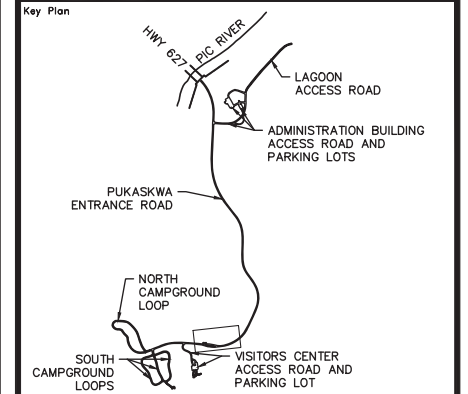
Project Title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing Title/Titre du dessin
**RV DUMPING STATION
PLANTING PLAN**

Designed by/Concept par	KC	Date	16/12/09
Drawn by/Designé par	KC	Date	16/12/09
Checked by/Véifié par	JC	Date	16/12/09
Approved by/Approuvé par	JC	Date	16/12/09

Project No./N° du projet	Scale/Echelle	Sheet No./ N° de la feuille
00791	1:150	L-7

Drawing Set No./N° de série du dessin
2/5



Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
▭	BOULDER	—	PRIMARY ELECTRICAL LINE
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Linear dimensions in millimetres		Dimensions linéaires en millimètres

Consultant's Name
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PARSONS
625 Cochrane Drive
Suite 500
Markham, ON
L3R 9R9

Eng. Stamp
Scellé de l'ingénieur
CSW

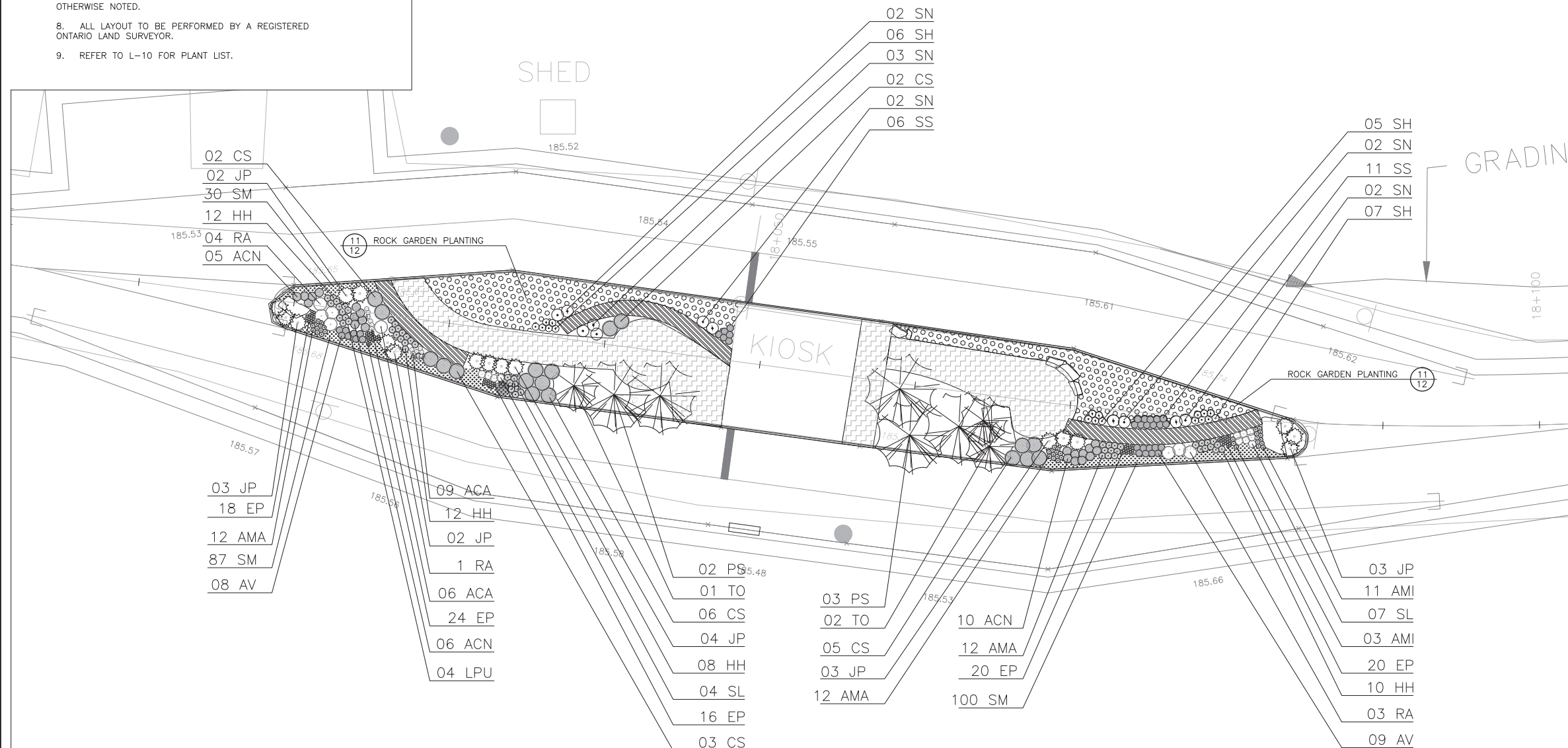
Project Title/Titre du projet
Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing Title/Titre du dessin
KIOSK PLANTING

Designed by/Concept par KC	Date 16/12/09
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Project No./N° du projet 00791	Scale/Echelle 1:150
Drawing Set No./N° de série du dessin 3/5	
Sheet No./N° de la feuille L-8	

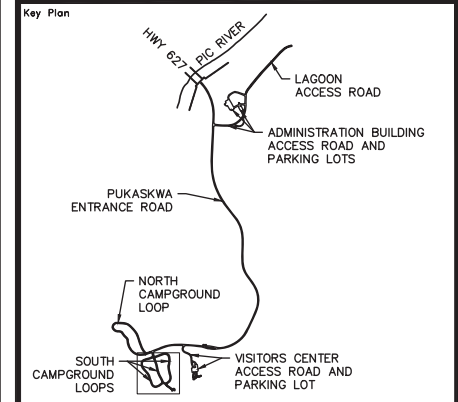
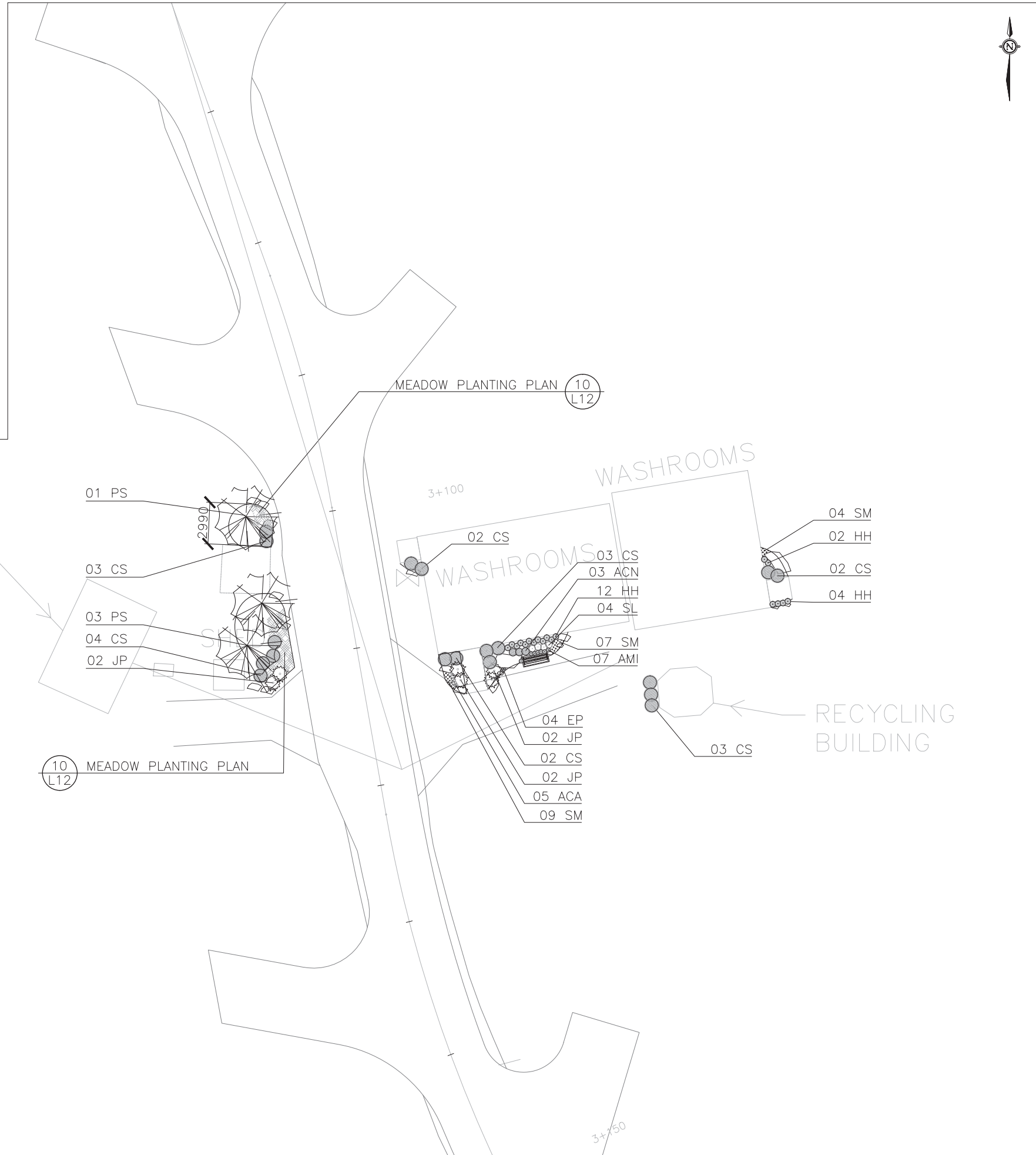
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Legend

—	TREE LINE	WV	WATER VALVE
●	BOREHOLE	WW	WATER WELL
—	EXIST. CULVERT	FH	FIRE HYDRANT
□	BOULDER	—	PRIMARY ELECTRICAL LINE
▨	RIVERSTONE	○	ELECTRICAL MARKER
▤	WILDFLOWER MIX	⊕	RV OUTLET
▥	FLAGSTONE	○	LIGHT POLE
▧	MEADOW PLANTING PLAN	●	FLAG POLE
▨	ROCK GARDEN PLANTING PLAN	○	BOLLARD
▩	LIMESTONE PATHWAY	□	SIGN
▫	CONCRETE	□	WASTE RECEPTACLE
		▬	BENCH

0	16/12/09	Issued for Tender	KC	JC
No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

Revision / Revision	
A	Detail number / Numéro de détail
B	Sheet number / Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres
--

Consultant's Name / Nom de l'expert-conseil: **PARSONS**
 625 Cochrane Drive, Suite 500, Markham, ON L3R 9R9

Eng. Stamp / Scellé de l'ingénieur: **CSW** (Professional Engineer)

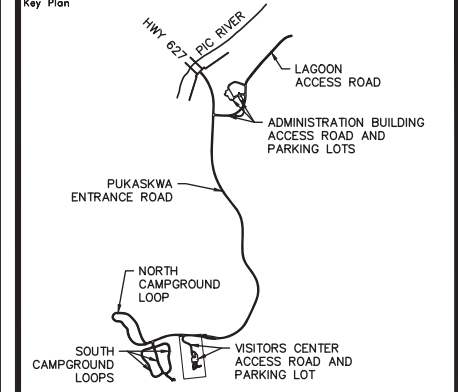
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 Pukaskwa National Park, Heron Bay, Ontario

Drawing Title / Titre du dessin: **SOUTH LOOP WASHROOMS PLANTING PLAN**

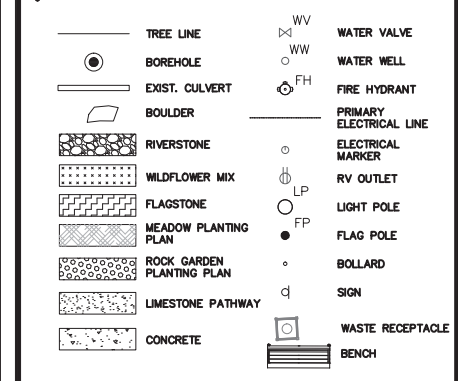
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Approved by / Approuvé par: JC	Date: 16/12/09
Project No. / N° du projet: 00791	Scale / Echelle: 1:150
Drawing Set No. / N° de série du dessin: 4/5	Sheet No. / N° de la feuille: L-9



Key Plan



Legend



0	16/12/09	Issued for Tender	KC	JC
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				

A	Detail number	A Numéro de détail
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Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil
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 L3R 9R9

Eng. Stamp / Sceau de l'ingénieur

Project Title / Titre du projet
Road Reconstruction Project
 Pukaskwa National Park
 Heron Bay, Ontario

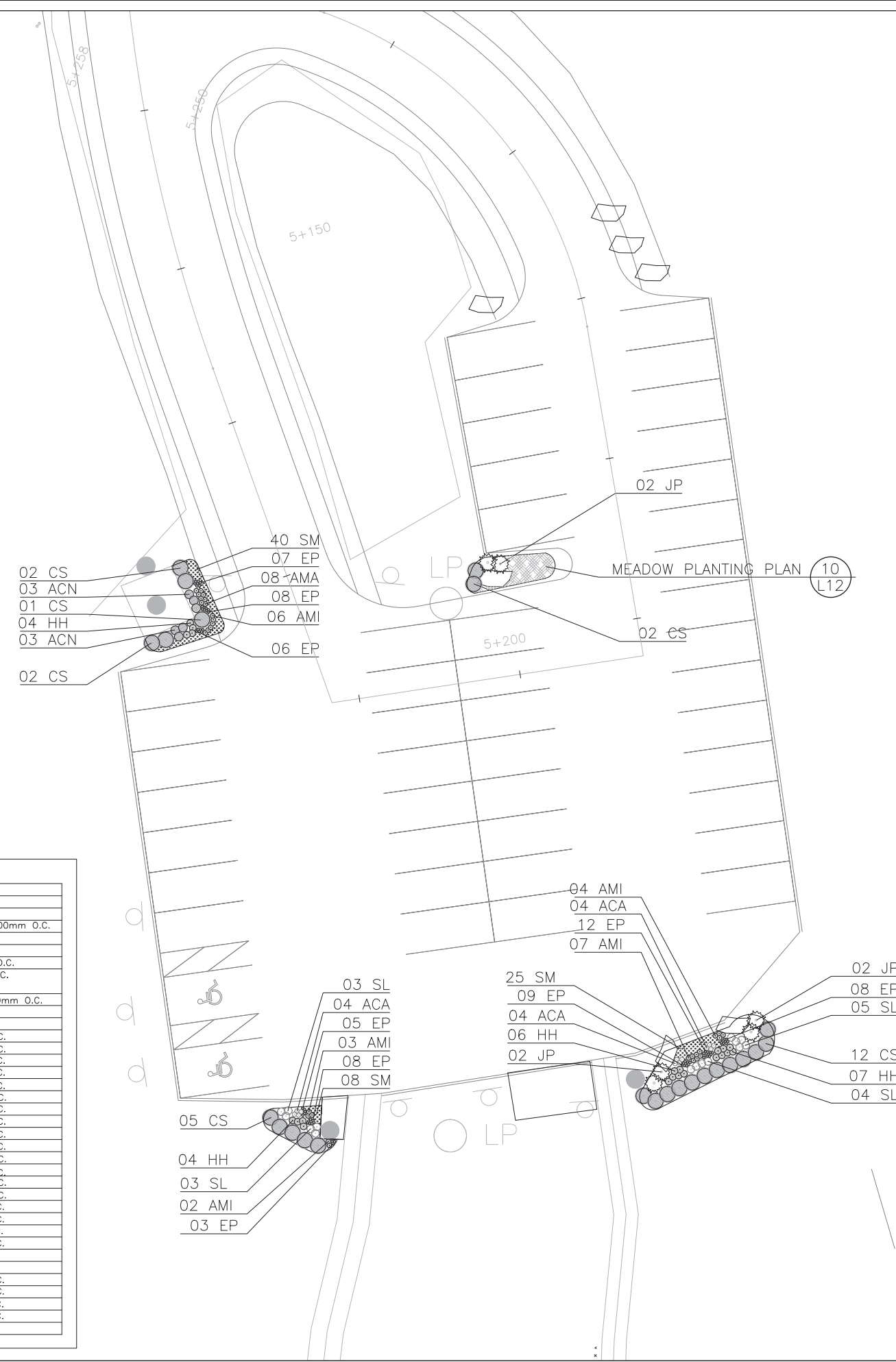
Drawing Title / Titre du dessin
VISITOR CENTRE PARKING PLANTING PLAN

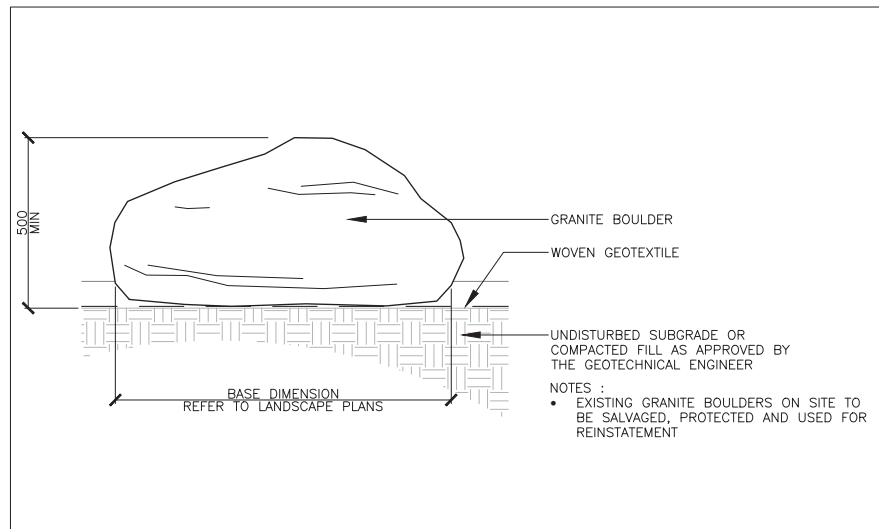
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Checked by / Vérifié par	JC	Date	16/12/09
Approved by / Approuvé par	JW	Date	16/12/09
Project No. / N° du projet	00791	Scale / Echelle	1:150
Drawing Set No. / N° de série du dessin			Sheet No. / N° de la feuille
			L-10

GENERAL NOTES:

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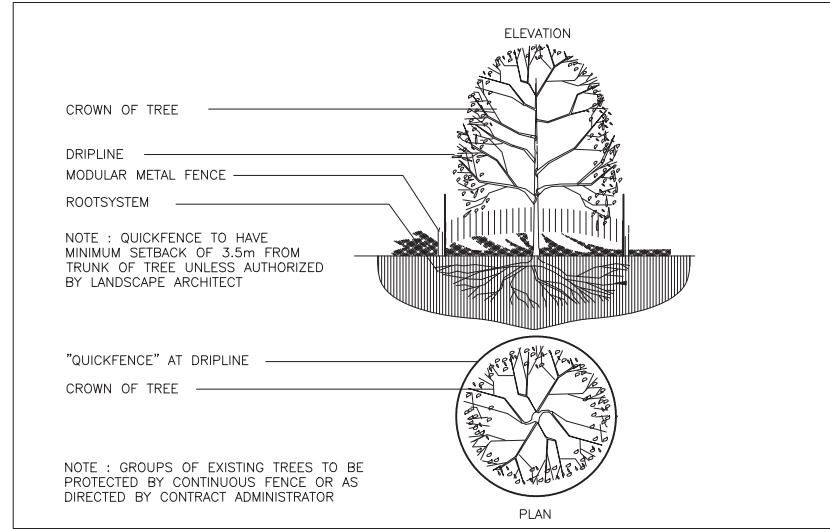
SYM.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
CONIFEROUS TREES					
PS	PINUS STROBUS	WHITE PINE	16	2000mm HT.	B&B / W.B. 2000mm O.C.
SHRUBS					
CS	CORNUS SERICEA	RED-OSIER DOGWOOD	85	2 Gal. Pot	POT. 1000mm O.C.
JP	JUNIPERUS X PFITZERIANA 'PFITZERIANA COMPACTA'	COMPACT PFITZER JUNIPER	31	500mm HT.	POT. 750mm O.C.
TO	THUJA OCCIDENTALIS	EASTERN RED CEDAR	3	2000mm HT.	B&B/W.B 1500mm O.C.
PERENNIALS					
ACA	AQUILEGIA CANADENSIS	WILD COLUMBINE	78	4.5" POT	POT. 300mm O.C.
ACN	AMORPHA CANESCENS	LEADPLANT	70	4.5" POT	POT. 300mm O.C.
AL	ARTEMESIA LUDOVICIANA	PRAIRIE SAGE	36	4.5" POT	POT. 500mm O.C.
AMA	ANAPHALIS MARGARITACEA	PEARLY EVERLASTING	79	4.5" POT	POT. 300mm O.C.
AMI	ACHILLEA MILLEFOLIUM	YARROW	78	4.5" POT	POT. 300mm O.C.
AP	ANTENNARIA PARVIFOLIA	PUSSY TOES	36	4.5" POT	POT. 500mm O.C.
AS	ALLIUM STELLATUM	PINK ONION	36	4.5" POT	POT. 500mm O.C.
AV	ASCLEPIAS VERTICILLATA	WHORLED MILKWEED	17	4.5" POT	POT. 300mm O.C.
CR	CAMPANULA ROTUNDFOLIA	HAREBELL	36	4.5" POT	POT. 500mm O.C.
EP	ECHINACEA PURPUREA	CONEFLOWER	205	4.5" POT	POT. 500mm O.C.
GT	GEUM TRIFOLIUM	THREE FLOWERED AVENS	36	4.5" POT	POT. 500mm O.C.
HH	HELIOPSIS HELIANTHOIDES SCABRA	FALSE SUNFLOWER	127	4.5" POT	POT. 300mm O.C.
LPU	LIATRIS PUNCTATA	DOTTED BLAZING STAR	36	4.5" POT	POT. 300mm O.C.
PP	PULSATILLA PATENS	CROCUS	36	4.5" POT	POT. 500mm O.C.
RA	ROSA ACICULARIS	PRICKLY ROSE	8	4.5" POT	POT. 300mm O.C.
SL	SYMPHOTRICHUM LAEVE	SMOOTH ASTER	77	4.5" POT	POT. 300mm O.C.
SN	SOLIDAGO NEMORALIS	SHOWY GOLDENROD	11	4.5" POT	POT. 300mm O.C.
VA	VIOLA ADUNCA	EARLY BLUE VIOLET	36	4.5" POT	POT. 500mm O.C.
GRASSES					
SH	SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	18	4.5" POT	POT. 300mm O.C.
SM	SISYNCHIUM MONTANUM	BLUE EYED GRASS	400	4.5" POT	POT. 500mm O.C.
SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	17	4.5" POT	POT. 300mm O.C.
SV	STIPA VIRIDULA	GREEN NEEDLE GRASS	36	4.5" POT	POT. 500mm O.C.





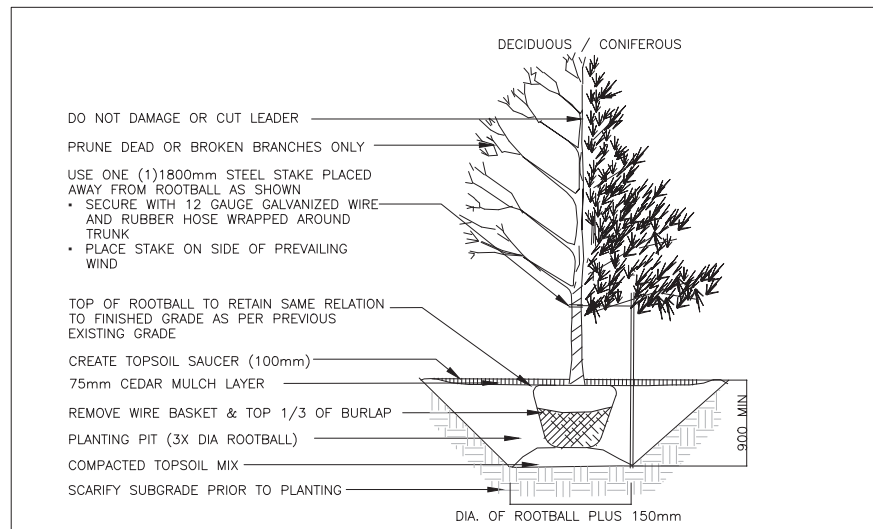
6 BOULDERS

Scale: 1:10



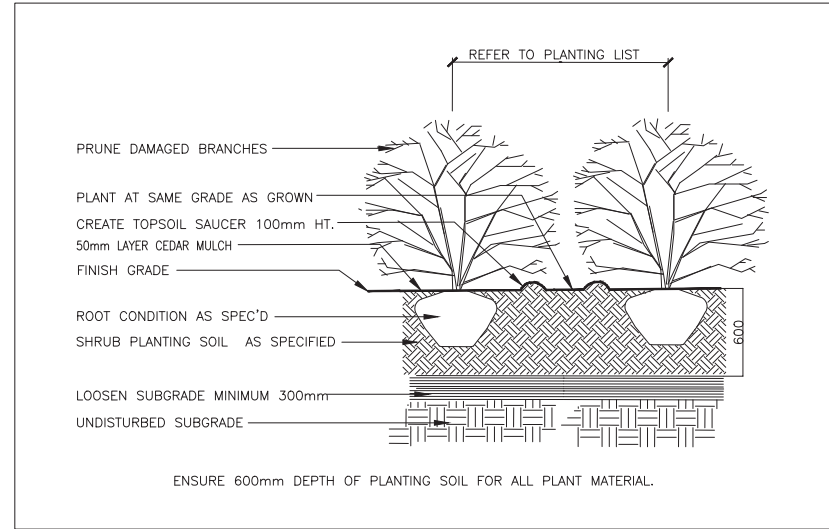
7 TREE PROTECTION

NTS



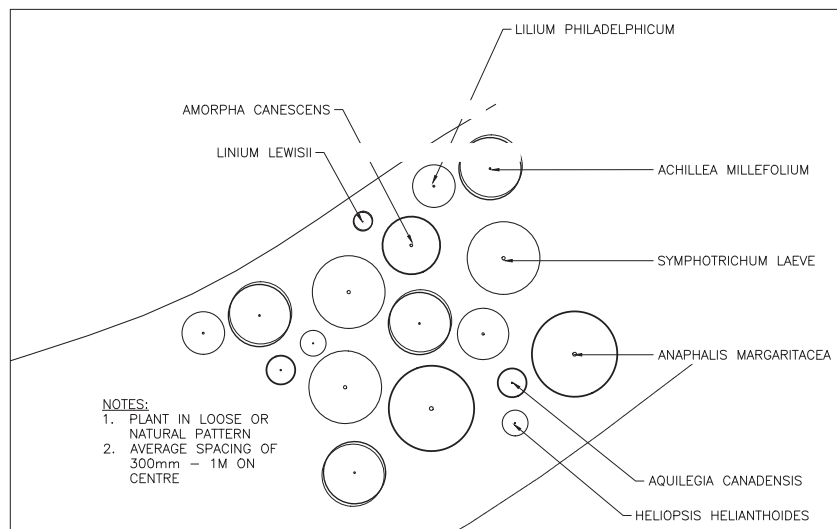
8 TREE PLANTING

NTS



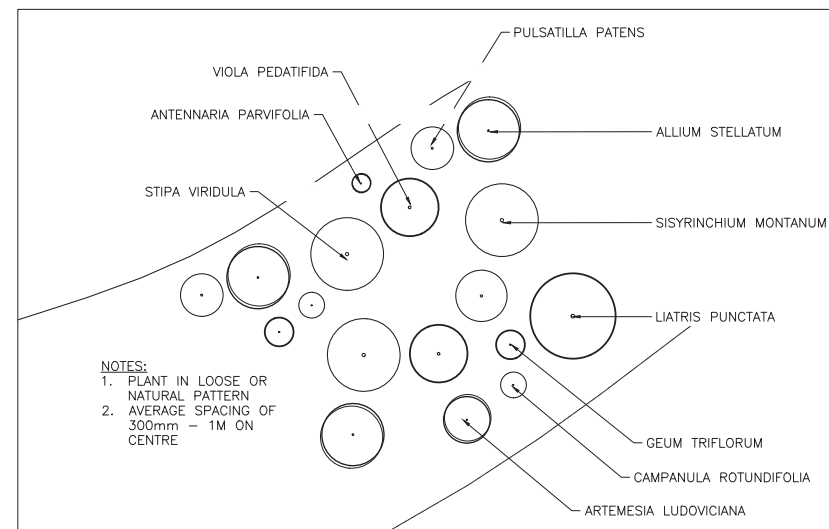
9 SHRUB PLANTING

NTS



10 MEADOW PLANTING PLAN

1:20

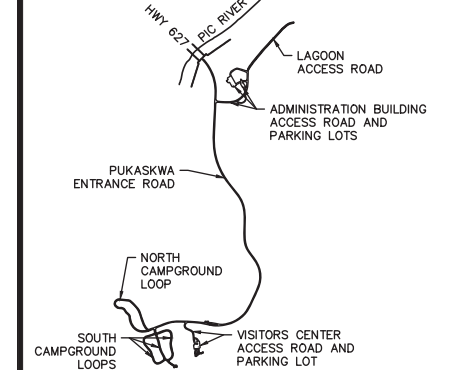


11 ROCK GARDEN PLANTING PLAN

1:20



Key Plan



Legend

Consultant's Name
Nom de l'expert-conseil

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Markham, ON
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Eng. Stamp
Sciau de l'ingénieur

C S W

OAA

Project Title/Titre du projet

Road Reconstruction Project
Pukaskwa National Park
Heron Bay, Ontario

Drawing Title/Titre du dessin

DETAILS

Designed by/Concept par	KC	Date	16/12/09
Drawn by/Designé par	KC	Date	16/12/09
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Approved by/Approuvé par	JC	Date	16/12/09
Project No./N° du projet	00791	Scale/Échelle	Sheet No./N° de la feuille
Drawing Set No./N° de série du dessin	2/2		L-12