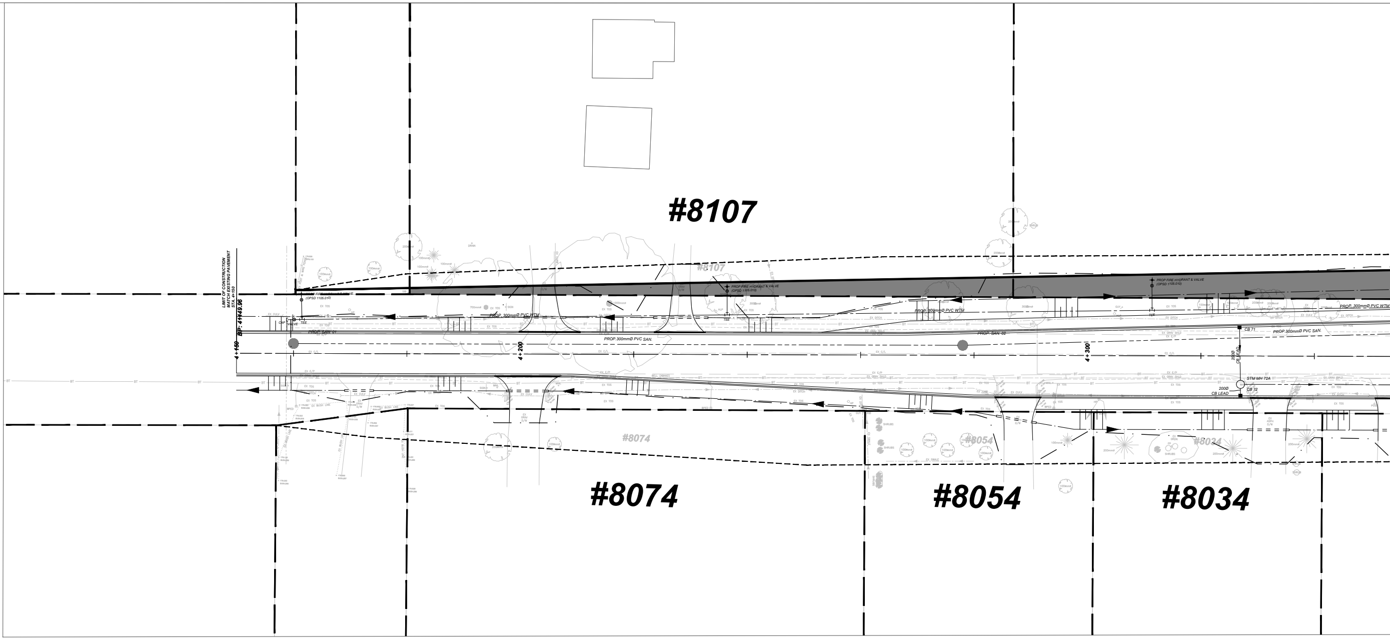
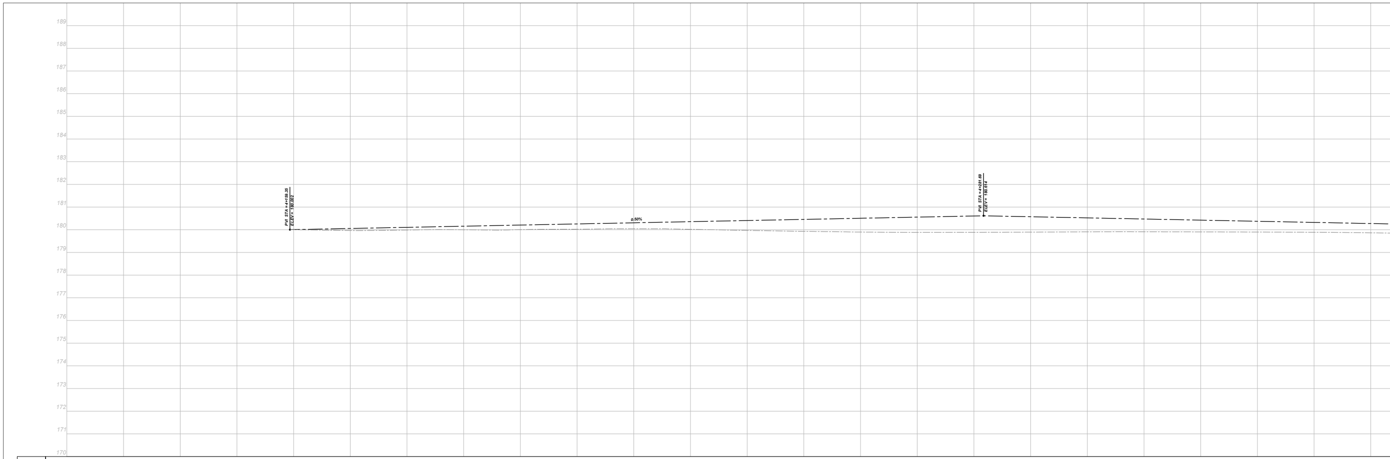
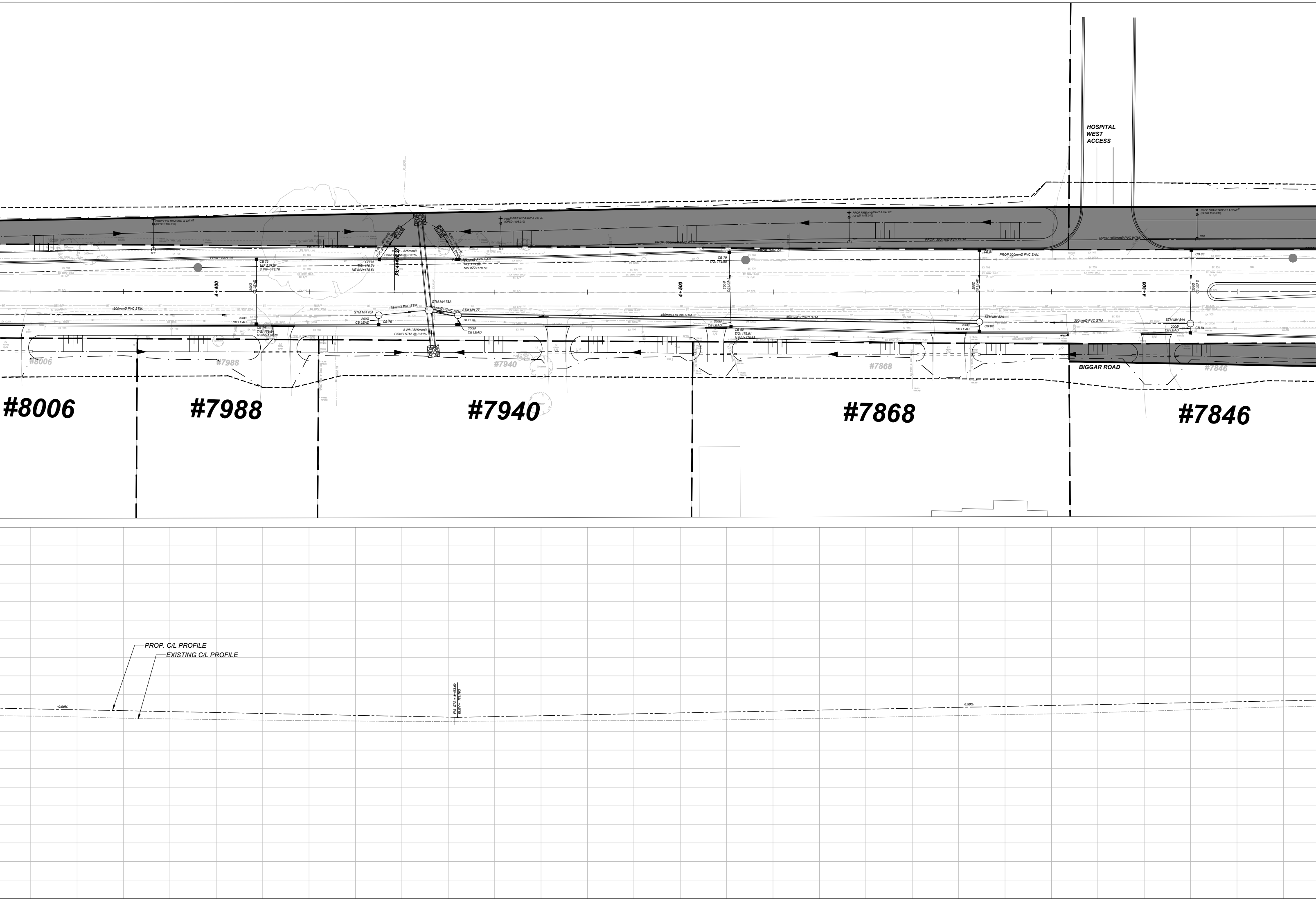

#8107
#8074
#8054
#8034
LIMIT OF CONSTRUCTION MATCH EXISTING PAVEMENT STA. 4+150
BP: 4+149.96
4+150
4+200
4+300
PROP. 300mmØ PVC WTM
PROP. 300mmØ PVC SAN.
PROP. SAN. 01
PROP. SAN. 02
PROP FIRE HYDRANT & VALVE (OPSD 1105.010)
TEE
CAP
STM MH 72A
CB 71
CB 72
200Ø CB LEAD

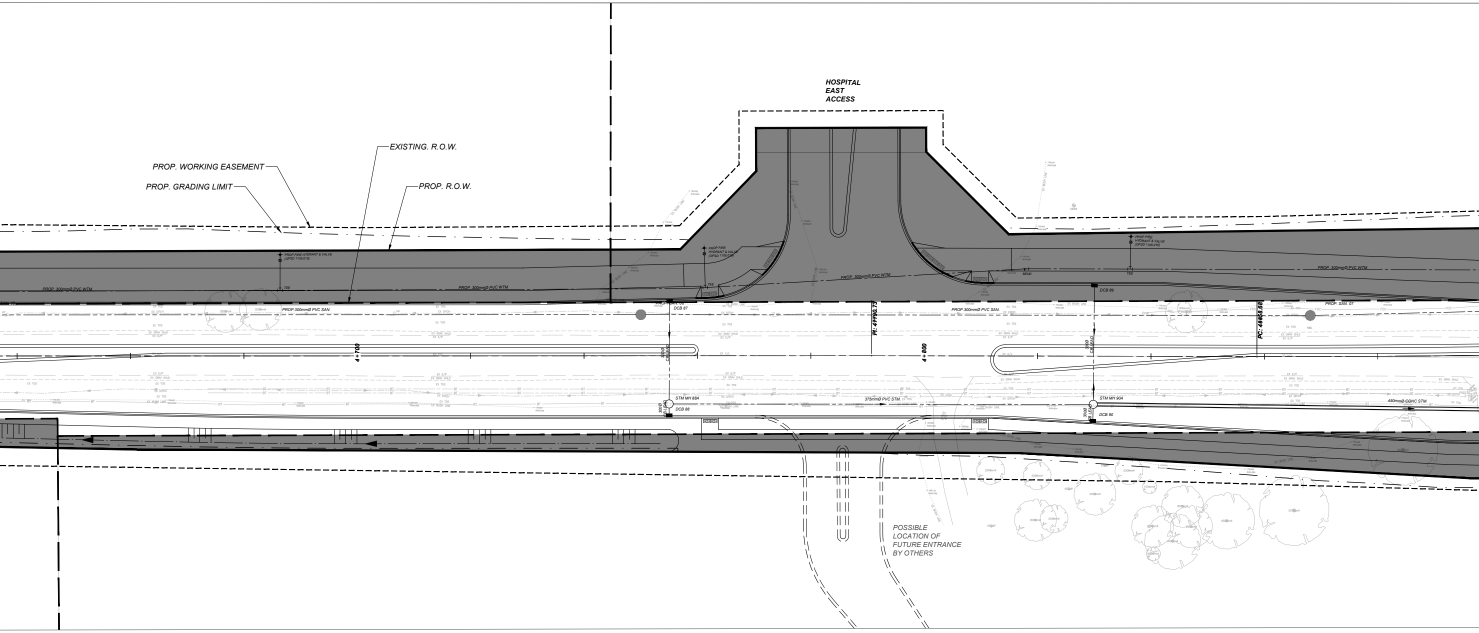

189
188
187
186
185
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
PVI STA =4+159.35
ELEV = 180.002
0.50%
PVI STA =4+281.69
ELEV = 180.614

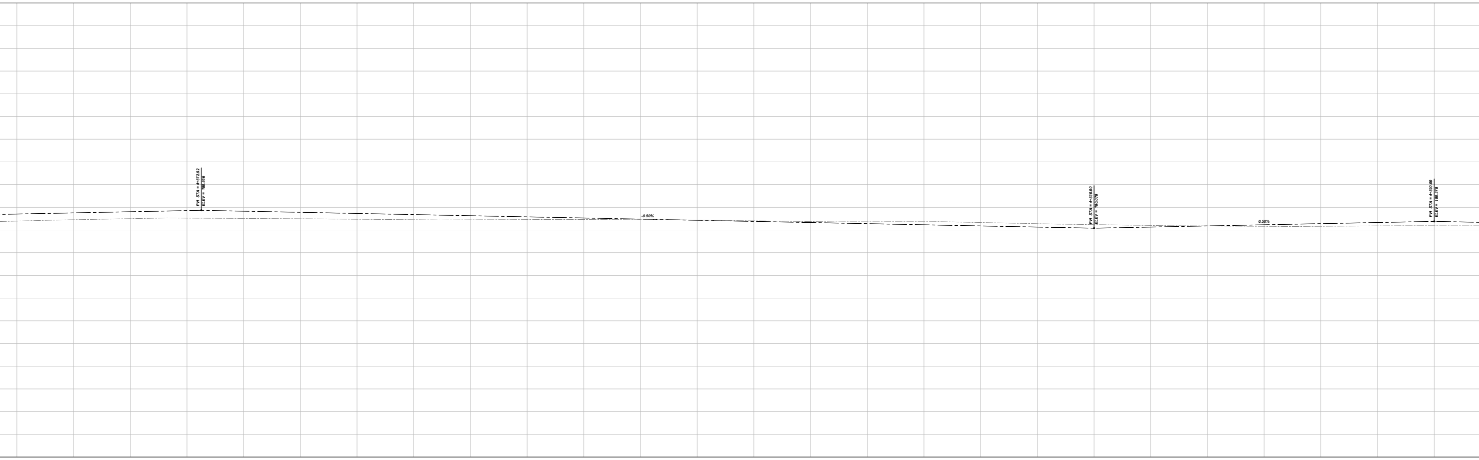
				180.00	179.97	179.99	180.00	180.00	180.02	180.04	180.02	179.97	179.93	179.90	179.88	179.89	179.90	179.91	179.91	179.90	179.90	179.89	179.86
4+120	4+130	4+140	4+150	4+160	4+170	4+180	4+190	4+200	4+210	4+220	4+230	4+240	4+250	4+260	4+270	4+280	4+290	4+300	4+310	4+320	4+330	4+340	4+350
				180.00 180.006	179.97 180.056	179.99 180.106	180.00 180.156	180.00 180.206	180.02 180.256	180.04 180.306	180.02 180.356	179.97 180.406	179.93 180.456	179.90 180.506	179.88 180.556	179.89 180.606	179.90 180.573	179.91 180.523	179.91 180.473	179.90 180.423	179.90 180.373	179.89 180.323	179.86 180.273

DRAWING FILE: C:\pw_working\ontario\parsons_p000563g\dms34084\477511_EA_Roll Plan_001.dwg PLOTTED: Oct 28, 2021 - 2:11pm PLOTTED BY: p000563G


HOSPITAL
WEST
ACCESS
PROP FIRE HYDRANT & VALVE
(OPSD 1105.010)
TEE
PROP. 300mmØ PVC WTM
PROP. SAN. 03
PROP. SAN. 04
PROP.300mmØ PVC SAN.
CB 73
T/G: 179.84
S INV=178.78
CB 74
T/G: 179.84
N INV=178.78
CB 75
T/G: 179.71
NE INV=178.51
6.4m - 300mmØ PVC STM @ 0.78%
19.1m - 825mmØ CONC STM @ 0.51%
PI: 4+439.37
DCB 77
T/G: 179.62
NW INV=178.60
6.6m - 300mmØ PVC STM @ 0.60%
STM MH 76A
375mmØ PVC STM.
STM MH 78A
450mmØ CONC STM
STM MH 77
200Ø
CB LEAD
CB 76
DCB 78
300Ø
CB LEAD
8.2m - 825mmØ
CONC STM. @ 0.51%
300mmØ PVC STM.
4 + 400
4 + 500
4 + 600
CB 79
T/G: 179.88
CB 80
T/G: 179.91
N INV=178.88
450mmØ CONC STM.
CB 81
CB 82
STM MH 82A
CB 83
CB 84
STM MH 84A
BIGGAR ROAD
#8006
#7988
#7940
#7868
#7846
PROP. C/L PROFILE
EXISTING C/L PROFILE
-0.50%
0.50%
PVI STA = 4+450.00
ELEV = 179.53

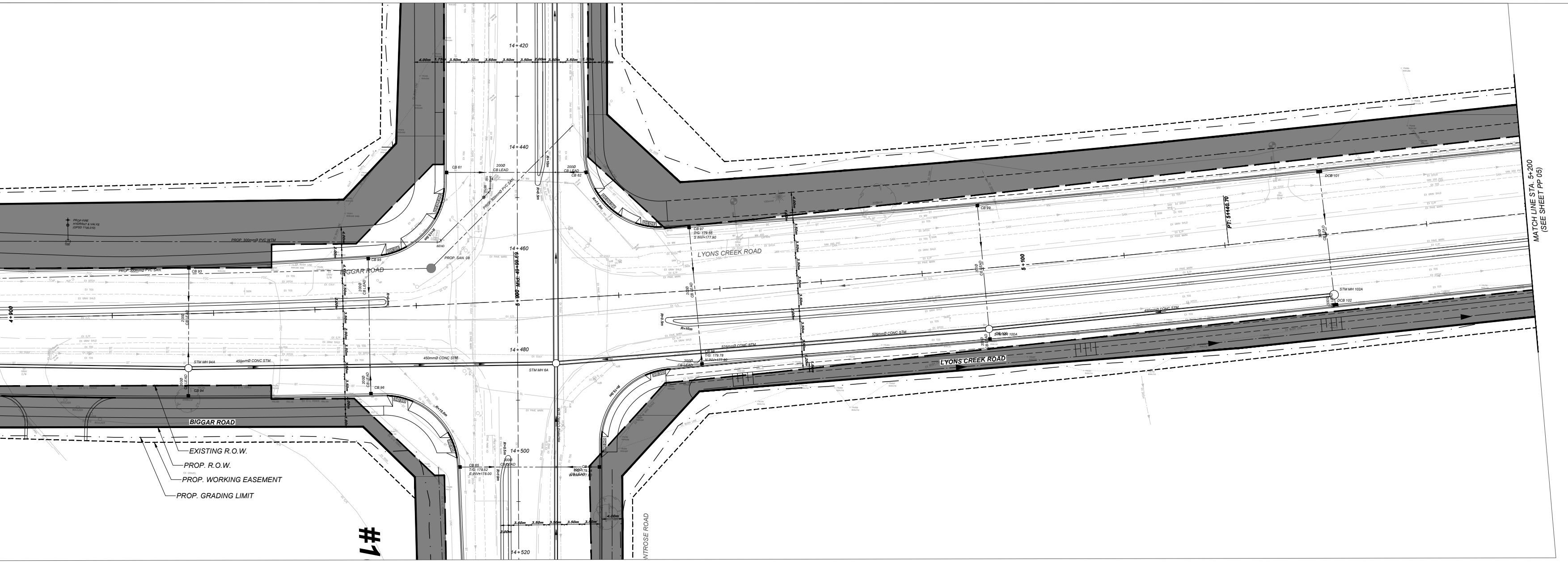
179.83	179.78	179.72	179.68	179.64	179.62	179.59	179.57	179.53	179.54	179.56	179.57	179.59	179.59	179.61	179.63	179.66	179.71	179.76	179.81	179.86	179.91	179.95	180.02	180.09	180.17	180.25	180.33
4+360	4+370	4+380	4+390	4+400	4+410	4+420	4+430	4+440	4+450	4+460	4+470	4+480	4+490	4+500	4+510	4+520	4+530	4+540	4+550	4+560	4+570	4+580	4+590	4+600	4+610	4+620	4+630
179.83 180.223	179.78 180.173	179.72 180.123	179.68 180.073	179.64 180.023	179.62 179.973	179.59 179.923	179.57 179.873	179.53 179.823	179.54 179.773	179.56 179.803	179.57 179.853	179.59 179.903	179.59 179.953	179.61 180.003	179.63 180.053	179.66 180.103	179.71 180.153	179.76 180.203	179.81 180.253	179.86 180.303	179.91 180.353	179.95 180.403	180.02 180.453	180.09 180.503	180.17 180.553	180.25 180.603	180.33 180.653

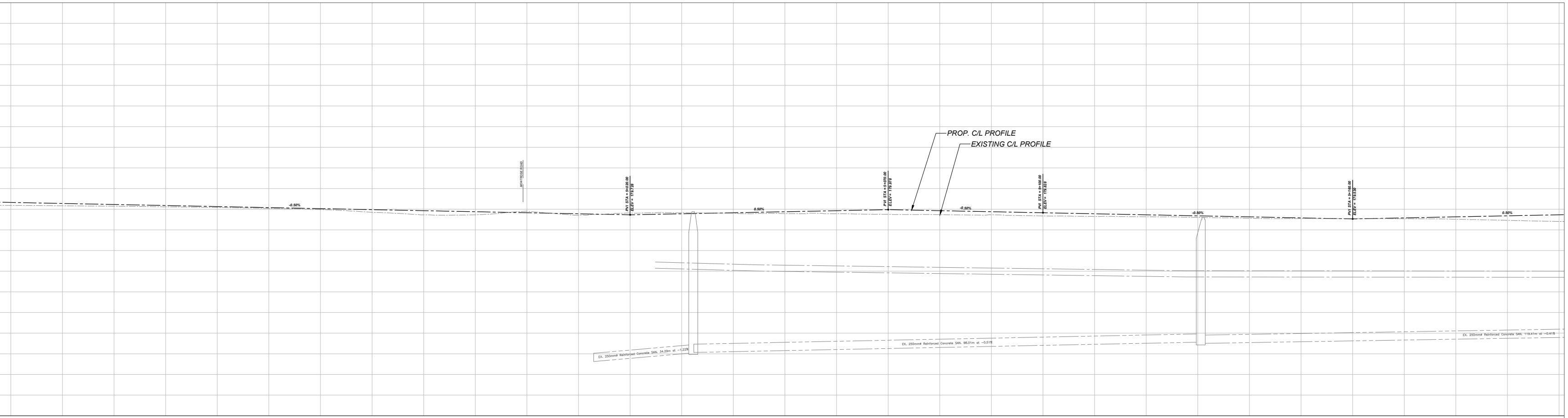

HOSPITAL
EAST
ACCESS
EXISTING. R.O.W.
PROP. WORKING EASEMENT
PROP. GRADING LIMIT
PROP. R.O.W.
PROP FIRE HYDRANT & VALVE (OPSD 1105.010)
TEE
PROP. 300mmØ PVC WTM
PROP FIRE HYDRANT & VALVE (OPSD 1105.010)
TEE
PROP. 300mmØ PVC WTM
BEND
PROP FIRE HYDRANT & VALVE (OPSD 1105.010)
TEE
PROP. 300mmØ PVC WTM
PROP.300mmØ PVC SAN.
DCB 87
PROP.300mmØ PVC SAN.
DCB 89
PROP. SAN. 07
PI: 4+790.73
PC: 4+858.68
4+700
4+800
300Ø CB LEAD
300Ø CB LEAD
STM MH 88A
DCB 88
375mmØ PVC STM.
STM MH 90A
DCB 90
450mmØ CONC STM.
EX TOS
EX DITCH
EX GRAV SHLD
EX E/P
EX C/L
EX BUSH LINE
EX CULV
BT
FOC
NBL
200mmø
300mmø
100mmø
POSSIBLE
LOCATION OF
FUTURE ENTRANCE
BY OTHERS


PVI STA = 4+672.52
ELEV = 180.866
-0.50%
PVI STA = 4+830.00
ELEV = 180.078
0.50%
PVI STA = 4+890.00
ELEV = 180.378

180.39	180.45	180.50	180.52	180.51	180.49	180.47	180.45	180.45	180.46	180.46	180.45	180.44
4+640	4+650	4+660	4+670	4+680	4+690	4+700	4+710	4+720	4+730	4+740	4+750	4+760
180.39 180.703	180.45 180.753	180.50 180.803	180.52 180.853	180.51 180.828	180.49 180.778	180.47 180.728	180.45 180.678	180.45 180.628	180.46 180.578	180.46 180.528	180.45 180.478	180.44 180.428

180.40	180.37	180.36	180.36	180.33	180.28	180.24	180.20	180.18	180.16	180.16	180.18	180.19
4+770	4+780	4+790	4+800	4+810	4+820	4+830	4+840	4+850	4+860	4+870	4+880	4+890
180.40 180.378	180.37 180.328	180.36 180.278	180.36 180.228	180.33 180.178	180.28 180.128	180.24 180.078	180.20 180.128	180.18 180.178	180.16 180.228	180.16 180.278	180.18 180.328	180.19 180.378


14+420
14+440
14+460
14+480
14+500
14+520
4.00m
3.50m
2.00m
LYONS CREEK ROAD
BIGGAR ROAD
PROP. SAN. 08
CB 61
CB 62
CB 93
CB 94
CB 95
CB 96
CB 97
CB 99
DCB 101
DCB 102
STM MH 94A
STM MH 6A
STM MH 102A
450mmØ CONC STM
200Ø CB LEAD
PROP. 300mmØ PVC WTM
PT: 5+140.70
4+900
5+100
EXISTING R.O.W.
PROP. R.O.W.
PROP. WORKING EASEMENT
PROP. GRADING LIMIT
NTROSE ROAD
#1
MATCH LINE STA 5+200
(SEE SHEET PP 05)


PROP. C/L PROFILE
EXISTING C/L PROFILE
-0.50%
0.50%
-0.50%
-0.50%
0.50%
PVI STA = 5+020.00
ELEV = 179.728
PVI STA = 5+070.00
ELEV = 179.978
PVI STA = 5+100.00
ELEV = 179.828
PVI STA = 5+160.00
ELEV = 179.530
MONTROSE ROAD
EX. 250mmØ Reinforced Concrete SAN.

180.18	180.16	180.14	180.12	180.09	180.04	179.98	179.85	179.73	179.73	179.90	179.71	179.82	179.83	179.81	179.79
4+900	4+910	4+920	4+930	4+940	4+950	4+960	4+970	4+980	4+990	5+000	5+010	5+020	5+030	5+040	5+050
180.18 180.328	180.16 180.278	180.14 180.228	180.12 180.178	180.09 180.128	180.04 180.078	179.98 180.028	179.85 179.978	179.73 179.928	179.73 179.878	179.90 179.828	179.71 179.778	179.82 179.728	179.83 179.778	179.81 179.828	179.79 179.878

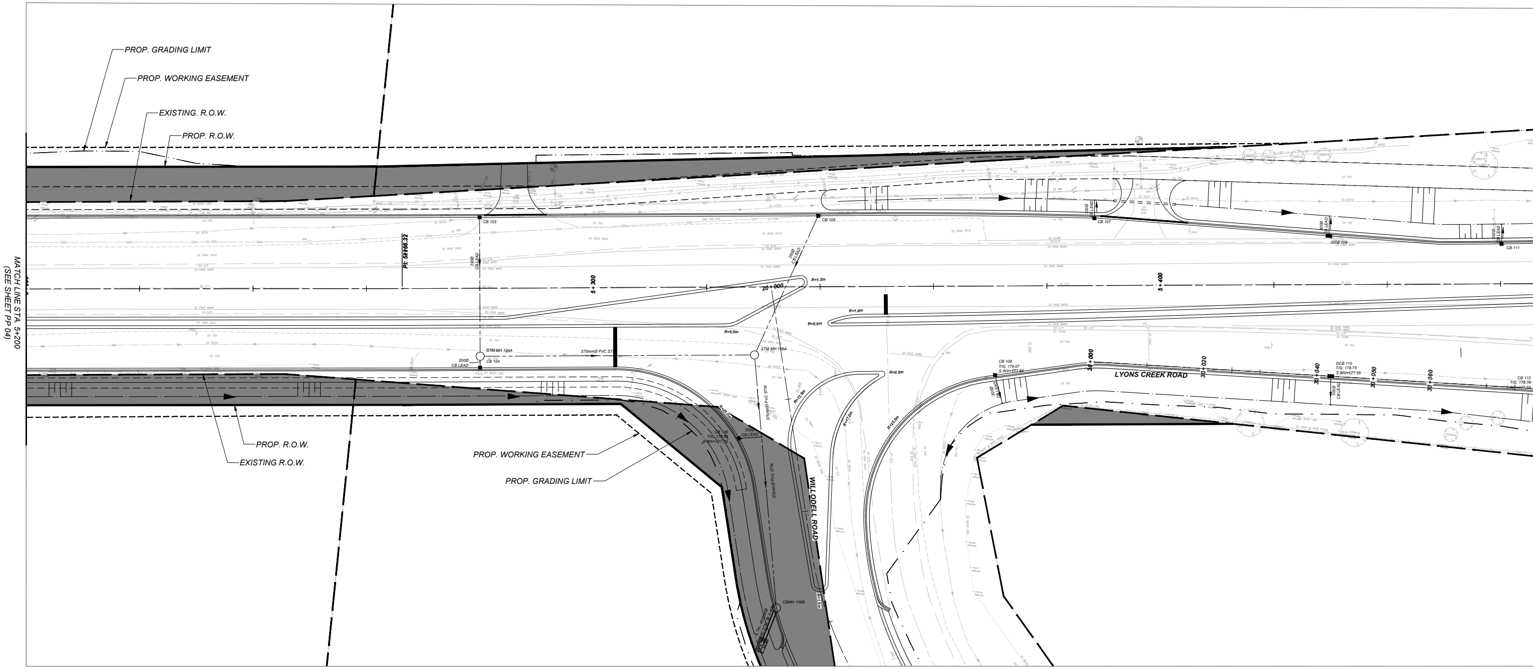
179.78	179.75	179.73	179.73	179.68	179.65	179.63	179.60	179.56	179.55	179.55	179.54	179.51	179.46	179.41
5+060	5+070	5+080	5+090	5+100	5+110	5+120	5+130	5+140	5+150	5+160	5+170	5+180	5+190	5+200
179.78 179.928	179.75 179.978	179.73 179.928	179.73 179.878	179.68 179.828	179.65 179.779	179.63 179.729	179.60 179.679	179.56 179.629	179.55 179.580	179.55 179.530	179.54 179.580	179.51 179.630	179.46 179.680	179.41 179.73

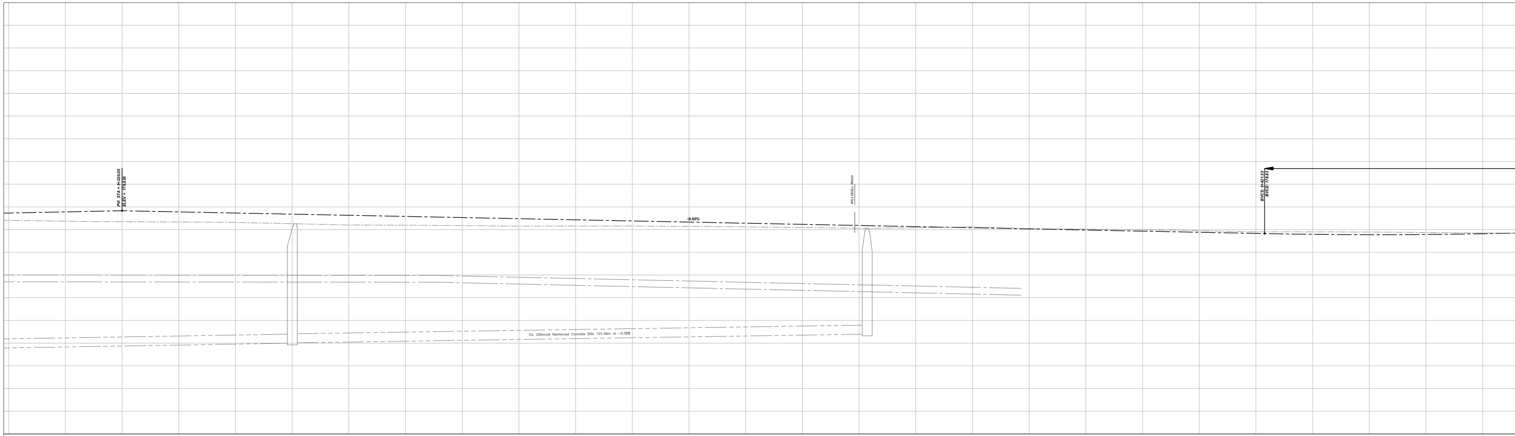
LEGEND

— — — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - - - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
■	PROPOSED ADDITIONAL ROAD ALLOWANCE

REGIONAL ROAD 47 (LYONS CREEK ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM 800M WEST OF REGIONAL ROAD 98 (MONTROSE ROAD)
TO 200M EAST OF REGIONAL ROAD 98 (MONTROSE ROAD)
PLAN AND PROFILE ROLL PLAN 05 SCALE 1:250
Oct 28, 2021

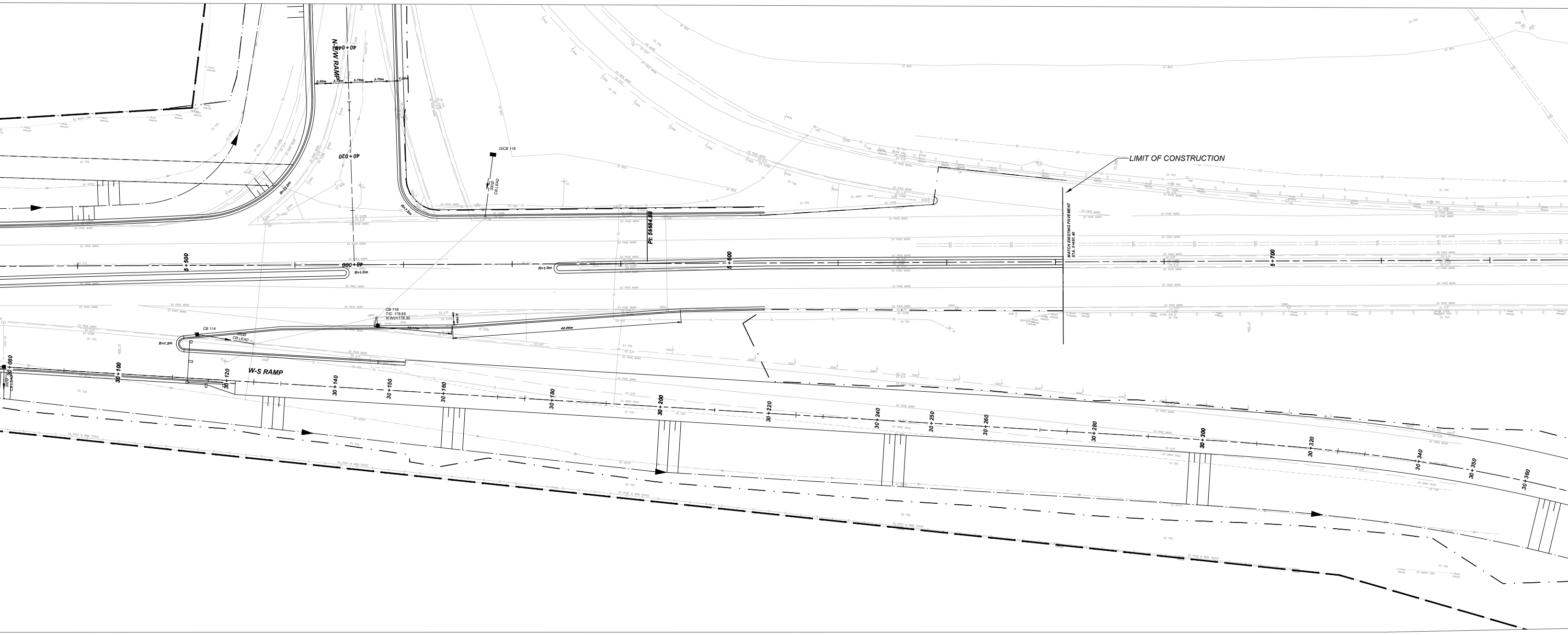

PROP. GRADING LIMIT
PROP. WORKING EASEMENT
EXISTING. R.O.W.
PROP. R.O.W.
MATCH LINE STA. 5+200
(SEE SHEET PP 04)
PI: 5+266.32
CB 103
CB 105
CB 107
DCB 109
CB 111
200Ø CB LEAD
5+300
5+400
20+000
R=1.2m
R=1.0m
R=0.5m
R=5.0m
STM MH 104A
375mmØ PVC STM
STM MH 106A
CB 104
R=0.5m
CB 108
T/G: 179.07
S INV=177.84
30+000
LYONS CREEK ROAD
30+020
30+040
DCB 110
T/G: 178.75
S INV=177.55
30+050
30+060
CB 112
T/G: 178.79
PROP. R.O.W.
EXISTING R.O.W.
PROP. WORKING EASEMENT
PROP. GRADING LIMIT
CB LEAD
375mmØ PVC STM
WILLODELL ROAD
CBMH 106B

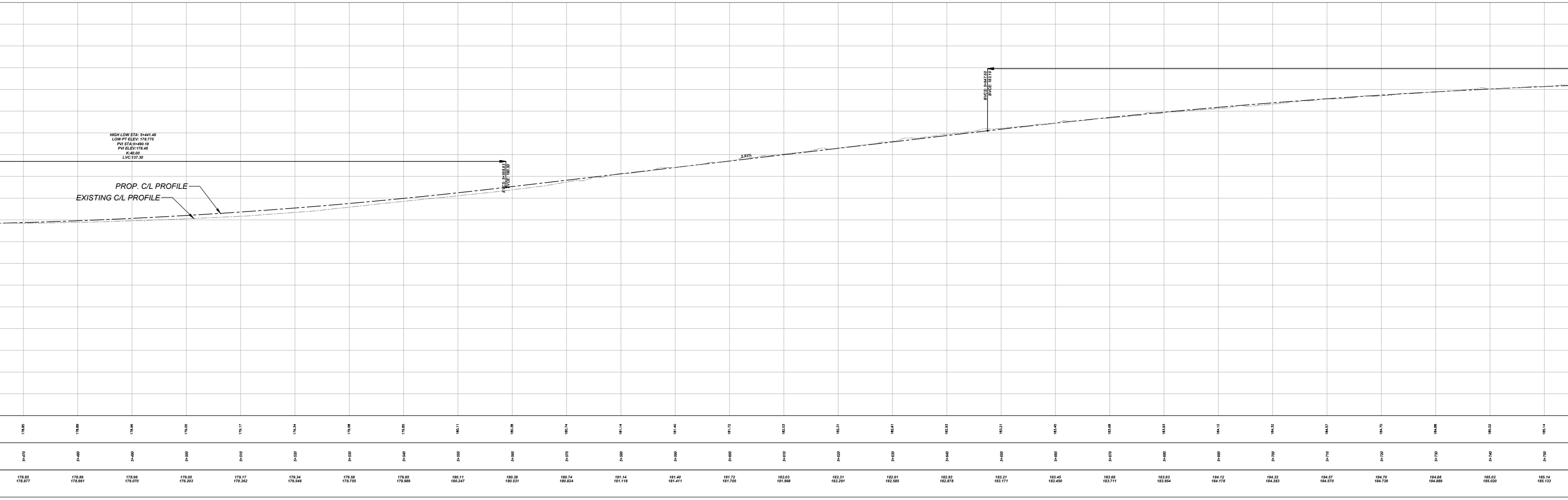

PVI STA = 5+220.00
ELEV = 179.830
WILLODELL ROAD
-0.50%
BVCS: 5+421.53
BVCE: 178.83
EX. 250mmØ Reinforced Concrete SAN, 101.49m at -0.35%

179.41	179.37	179.35	179.33	179.32	179.26	179.20	179.19	179.18	179.15	179.16	179.16	179.14	179.12
5+200	5+210	5+220	5+230	5+240	5+250	5+260	5+270	5+280	5+290	5+300	5+310	5+320	5+330
179.41 179.730	179.37 179.780	179.35 179.830	179.33 179.780	179.32 179.730	179.26 179.680	179.20 179.631	179.19 179.581	179.18 179.531	179.15 179.481	179.16 179.431	179.16 179.381	179.14 179.331	179.12 179.282

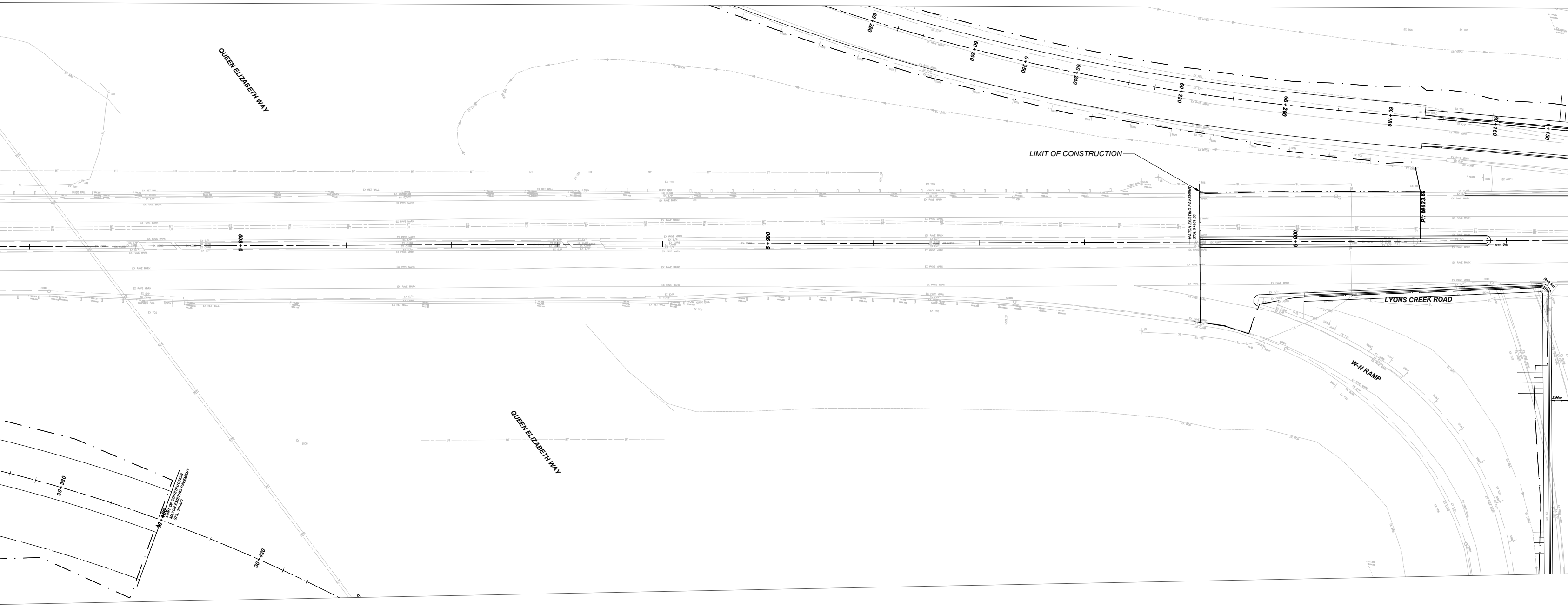
179.09	179.06	179.08	179.12	179.05	179.02	178.99	178.95	178.90	178.90	178.89	178.87	178.85
5+340	5+350	5+360	5+370	5+380	5+390	5+400	5+410	5+420	5+430	5+440	5+450	5+460
179.09 179.232	179.06 179.182	179.08 179.132	179.12 179.082	179.05 179.032	179.02 178.982	178.99 178.932	178.95 178.883	178.90 178.833	178.90 178.792	178.89 178.776	178.87 178.784	178.85 178.818

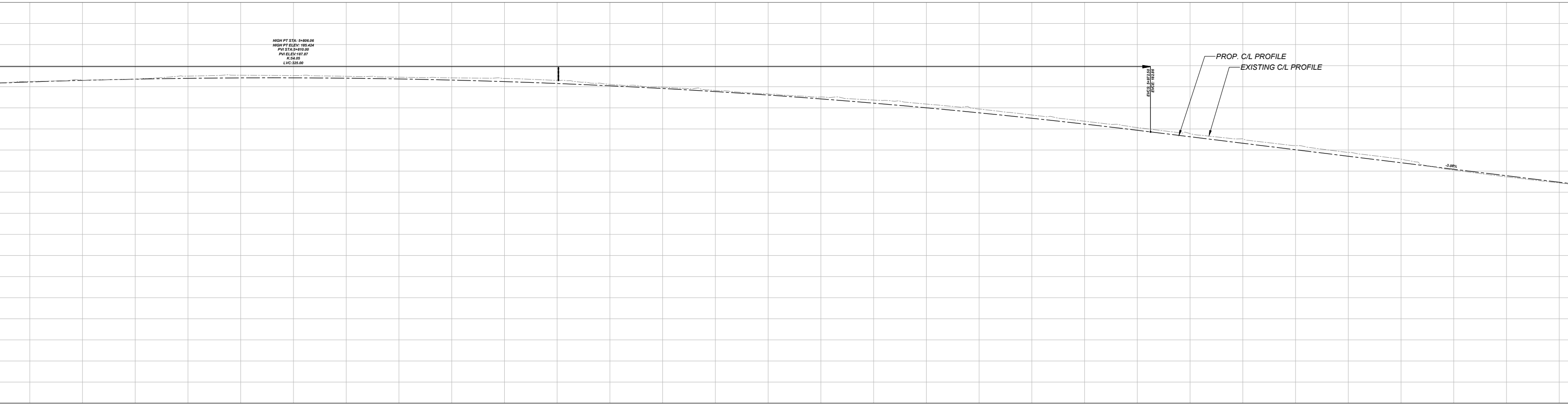
DRAWING FILE: C:\pw_working\ontario\parsons_p000563g\dms34084\477511_EA_Rail Plan_001.dwg PLOTTED: Oct 27, 2021 - 7:05pm PLOTTED BY: p000563G


N-EW RAMP
40+040
40+020
40+000
2.60m
3.75m
3.75m
1.00m
R=22.0m
R=7.0m
R=1.0m
R=1.0m
R=1.5m
DICB 116
300Ø
CB LEAD
PI: 5+584.86
5+500
5+600
5+700
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 5+661.40
CB 116
T/G: 179.65
N INV=178.30
CB 114
300Ø
CB LEAD
14.17m
42.06m
2.19m
W-S RAMP
30+080
30+100
30+120
30+140
30+150
30+160
30+180
30+200
30+220
30+240
30+250
30+260
30+280
30+300
30+320
30+340
30+350
30+360
EX PAVE MARK
EX E/P
EX CURB
EX TOS
EX SIGN
EX DITCH
SL
BT



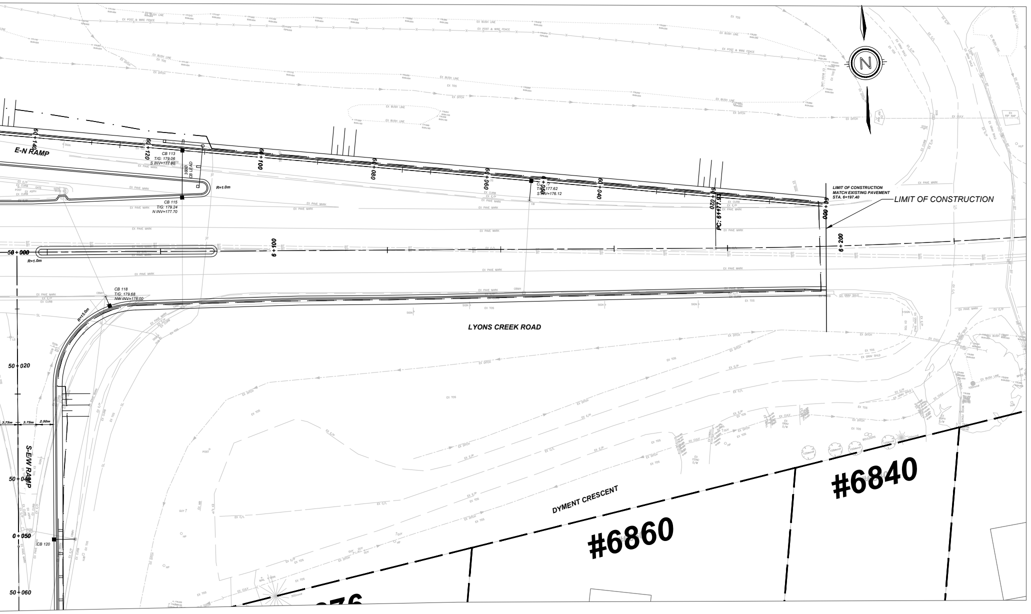
178.85	5+470	178.85 178.877
178.89	5+480	178.89 178.961
178.96	5+490	178.96 179.070
179.05	5+500	179.05 179.203
179.17	5+510	179.17 179.362
179.34	5+520	179.34 179.546
179.58	5+530	179.58 179.755
179.85	5+540	179.85 179.989
180.11	5+550	180.11 180.247
180.38	5+560	180.38 180.531
180.74	5+570	180.74 180.824
181.14	5+580	181.14 181.118
181.40	5+590	181.40 181.411
181.72	5+600	181.72 181.705
182.03	5+610	182.03 181.998
182.31	5+620	182.31 182.291
182.61	5+630	182.61 182.585
182.93	5+640	182.93 182.878
183.21	5+650	183.21 183.171
183.45	5+660	183.45 183.450
183.68	5+670	183.68 183.711
183.93	5+680	183.93 183.954
184.12	5+690	184.12 184.178
184.32	5+700	184.32 184.383
184.57	5+710	184.57 184.570
184.70	5+720	184.70 184.739
184.88	5+730	184.88 184.889
185.02	5+740	185.02 185.020
185.14	5+750	185.14 185.133


QUEEN ELIZABETH WAY
QUEEN ELIZABETH WAY
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 5+981.80
PI: 60023.69
5+800
5+900
6+000
LYONS CREEK ROAD
W-N RAMP
60+280
60+260
60+250
60+240
60+220
60+200
60+180
60+160
30+380
30+400
30+420
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 30+400
EX PAVE MARK
EX E/P
EX TOS
EX DITCH
EX CURB
EX ASPH
SIGN
SL
BT
CB



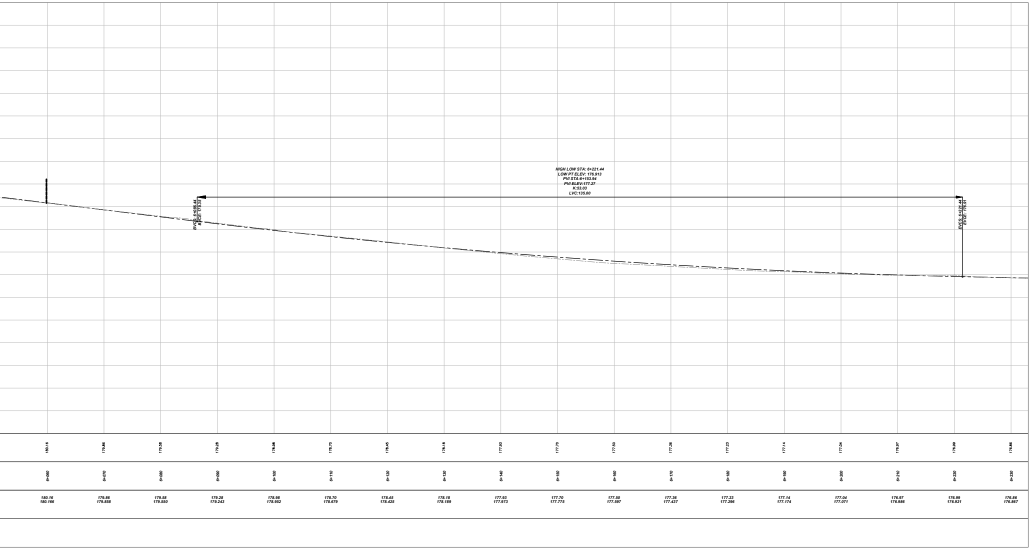
185.25	185.31	185.35	185.51	185.55	185.53	185.50	185.45	185.42	185.40	185.30	185.11	184.98	184.82	184.66
5+760	5+770	5+780	5+790	5+800	5+810	5+820	5+830	5+840	5+850	5+860	5+870	5+880	5+890	5+900
185.25 185.228	185.31 185.304	185.35 185.361	185.51 185.400	185.55 185.421	185.53 185.422	185.50 185.406	185.45 185.371	185.42 185.317	185.40 185.245	185.30 185.155	185.11 185.046	184.98 184.918	184.82 184.772	184.66 184.607

184.51	184.37	184.18	183.94	183.66	183.37	183.07	182.78	182.53	182.21	181.89	181.57	181.05	180.73	180.44
5+910	5+920	5+930	5+940	5+950	5+960	5+970	5+980	5+990	6+000	6+010	6+020	6+030	6+040	6+050
184.51 184.424	184.37 184.223	184.18 184.003	183.94 183.764	183.66 183.507	183.37 183.231	183.07 182.937	182.78 182.630	182.53 182.322	182.21 182.014	181.89 181.706	181.57 181.398	181.05 181.090	180.73 180.782	180.44 180.474


N
E-N RAMP
LIMIT OF CONSTRUCTION MATCH EXISTING PAVEMENT STA. 6+197.40
LIMIT OF CONSTRUCTION
6+100
6+200
LYONS CREEK ROAD
S-E/W RAMP
50+020
6+050
50+060
DYMENT CRESCENT
#6860
#6840

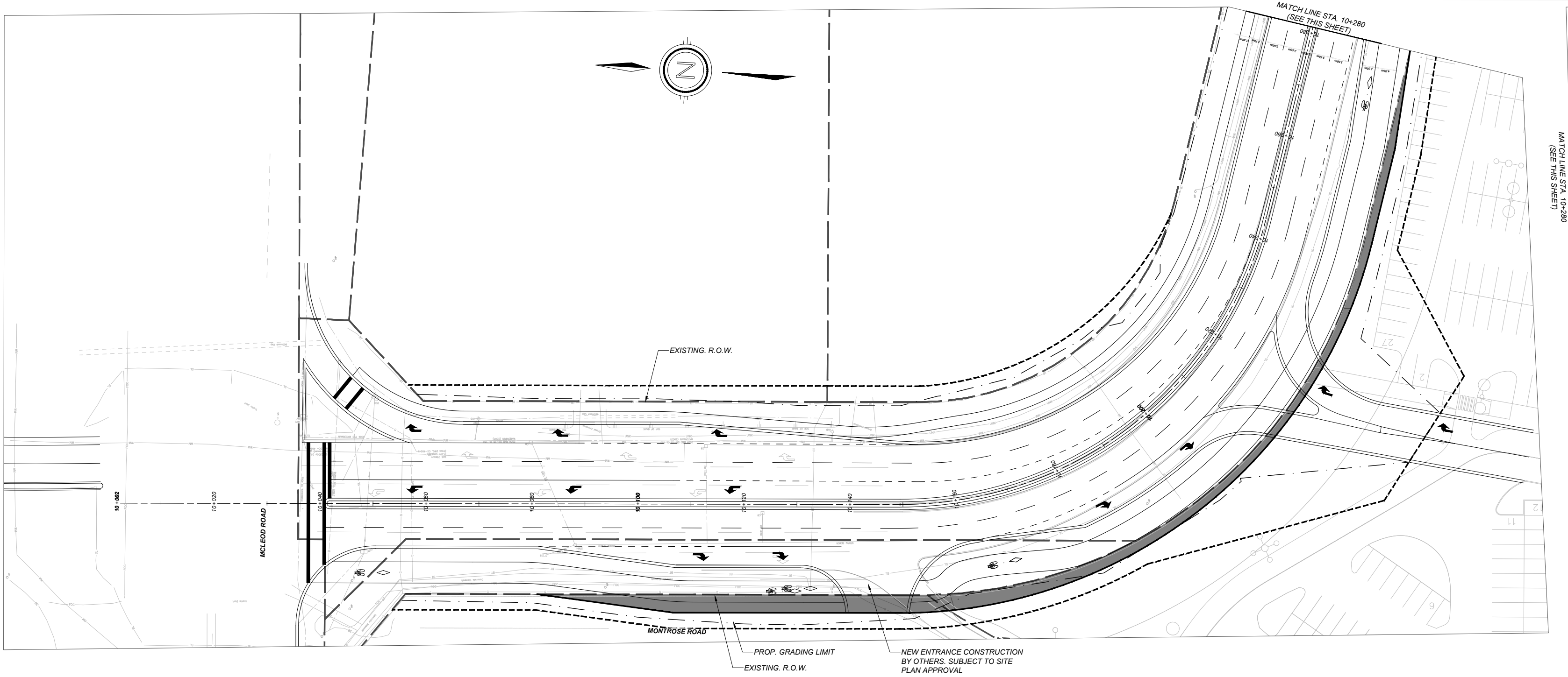
LEGEND

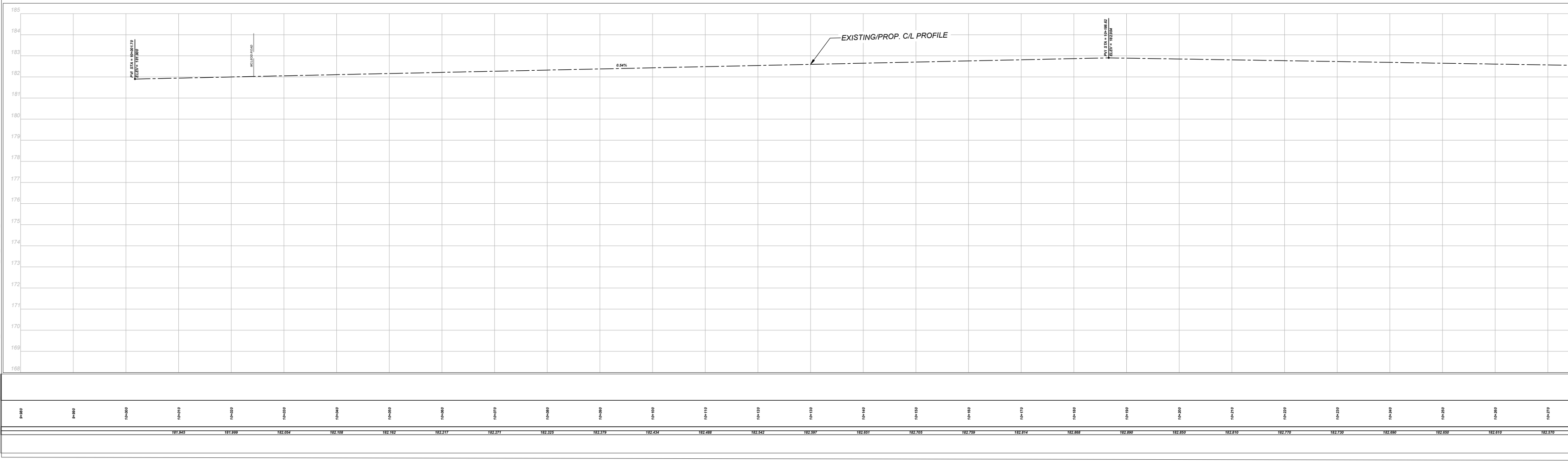
— — — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
▬	PROPOSED ADDITIONAL ROAD ALLOWANCE


HIGH LOW STA: 6+221.44
LOW PT ELEV: 176.913
PVI STA:6+153.94
PVI ELEV:177.27
K:53.03
LVC:135.00

REGIONAL ROAD 47 (LYONS CREEK ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM 200M EAST OF REGIONAL ROAD 98 (MONTROSE ROAD) TO EAST OF Q.E.W
PLAN AND PROFILE ROLL PLAN 05
SCALE 1:250
Oct 27, 2021


MATCH LINE STA. 10+280
(SEE THIS SHEET)
MATCH LINE STA. 10+280
(SEE THIS SHEET)
EXISTING. R.O.W.
MCLEOD ROAD
MONTROSE ROAD
10+002
10+020
10+040
10+060
10+080
10+100
10+120
10+140
10+160
10+180
10+200
10+220
10+240
10+260
10+280
PROP. GRADING LIMIT
EXISTING. R.O.W.
NEW ENTRANCE CONSTRUCTION
BY OTHERS. SUBJECT TO SITE
PLAN APPROVAL



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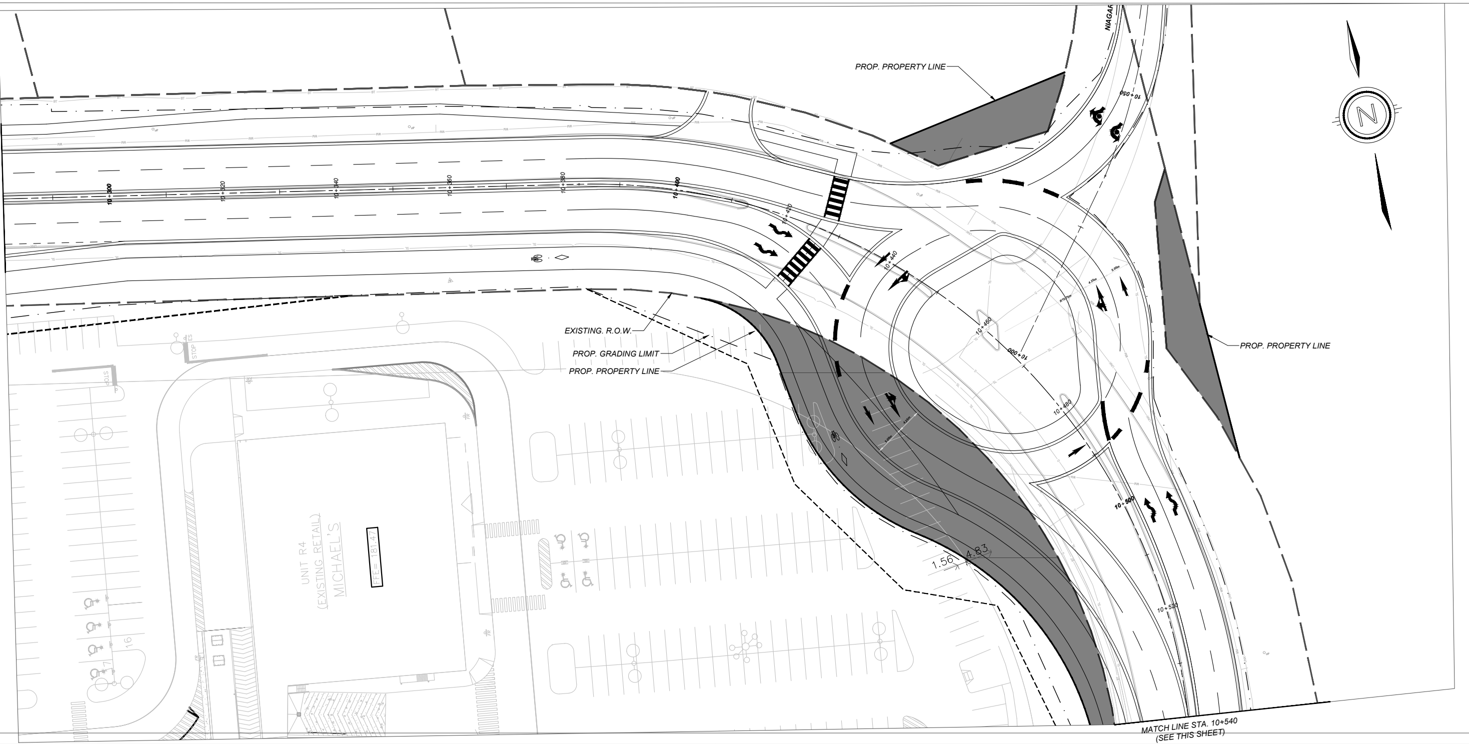
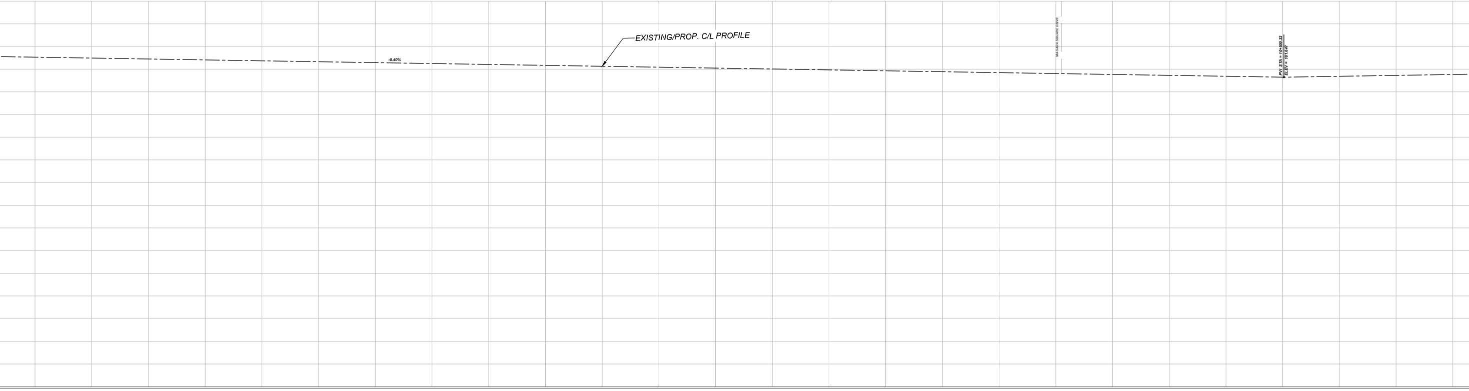
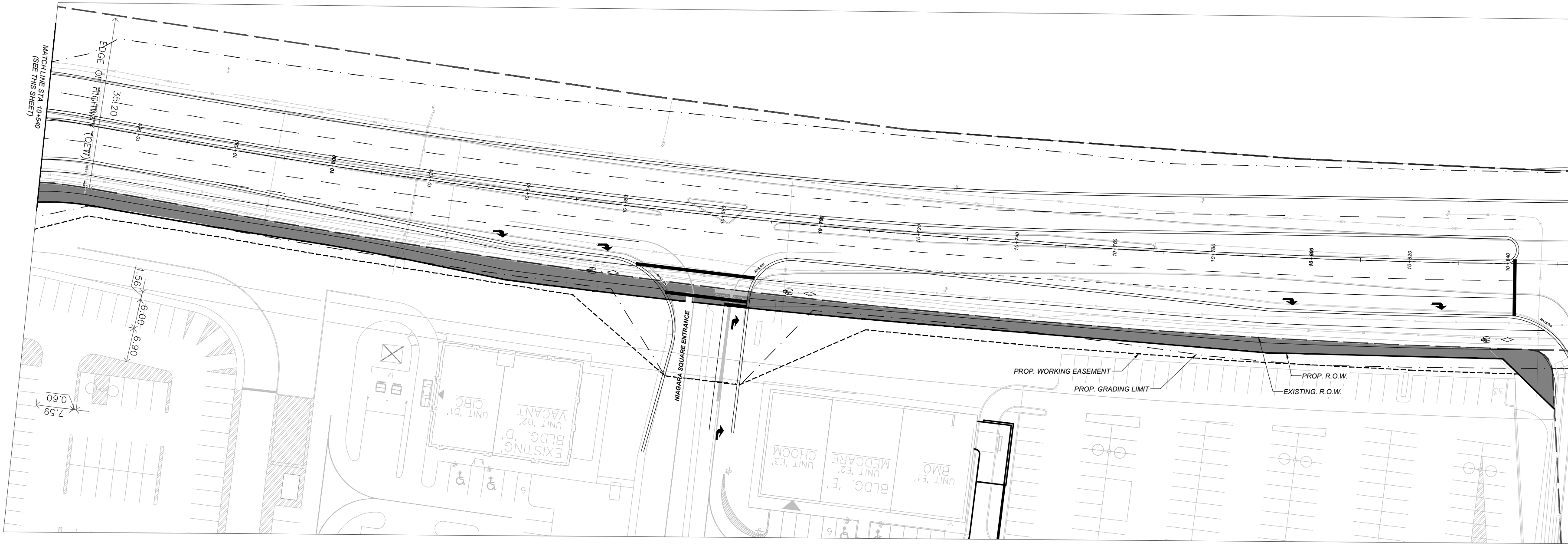
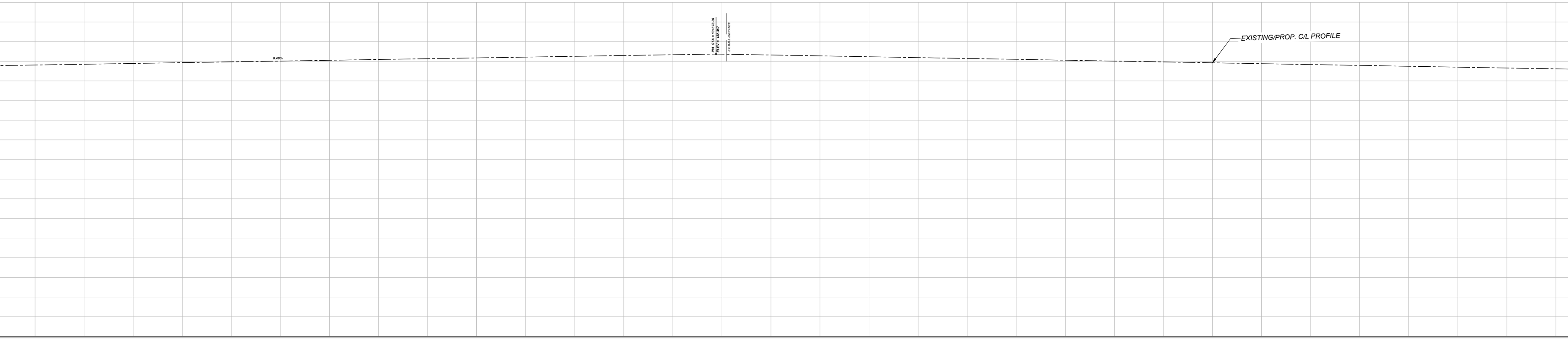

NIAGAR
PROP. PROPERTY LINE
PROP. PROPERTY LINE
EXISTING. R.O.W.
PROP. GRADING LIMIT
PROP. PROPERTY LINE
10+300
10+320
10+340
10+360
10+380
10+400
10+420
10+440
10+460
10+480
10+500
10+530
10+050
10+000
UNIT R4
(EXISTING RETAIL)
MICHAEL'S
FFE= 181.47
STOP
16
1.56
4.83
MATCH LINE STA. 10+540
(SEE THIS SHEET)


EXISTING/PROP. C/L PROFILE
-0.40%
NIAGARA SQUARE DRIVE
PVI STA = 10+500.22
ELEV = 181.647

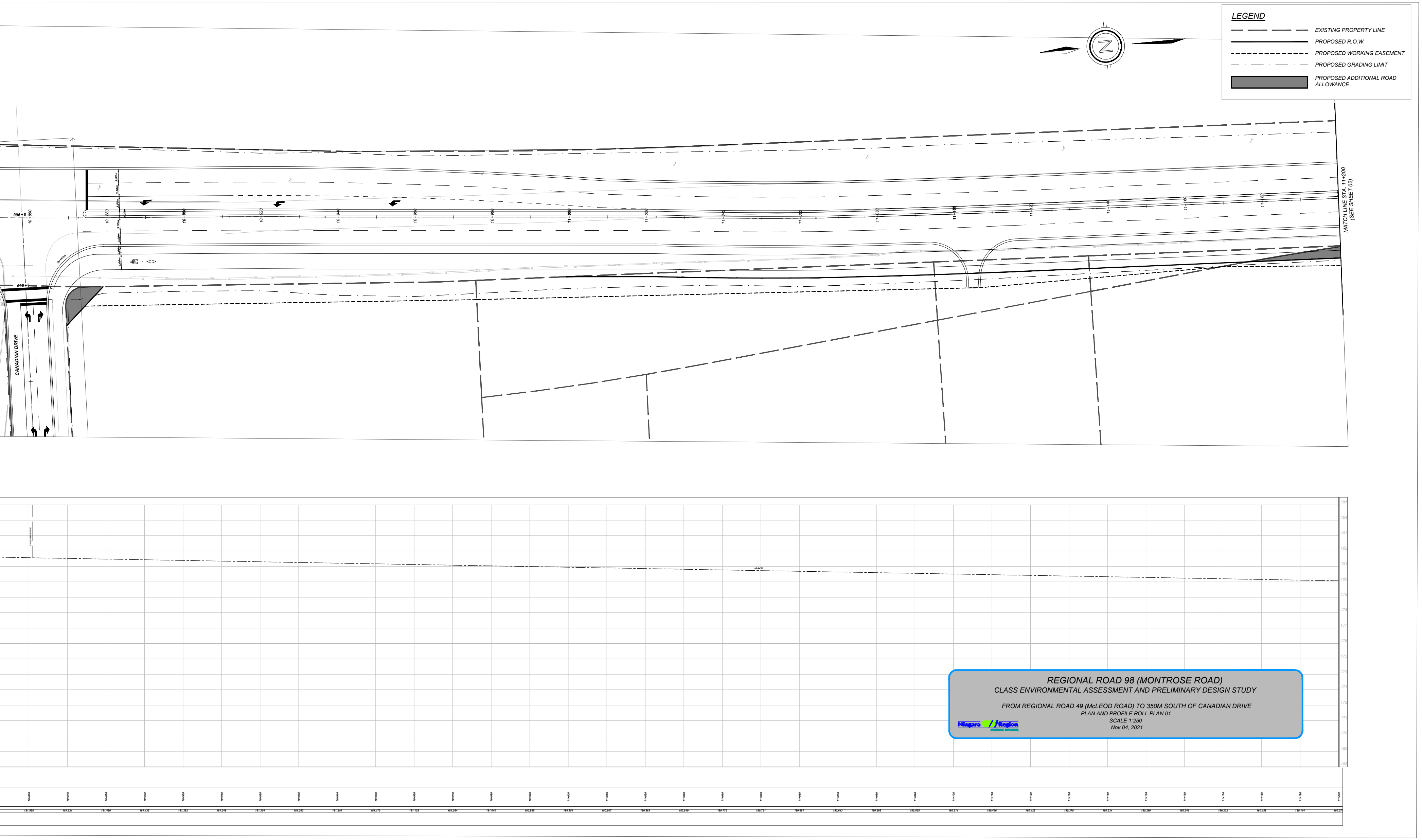
10+280	10+290	10+300	10+310	10+320	10+330	10+340	10+350	10+360	10+370	10+380	10+390	10+400
182.530	182.490	182.450	182.409	182.369	182.329	182.289	182.249	182.209	182.169	182.129	182.089	182.049

10+410	10+420	10+430	10+440	10+450	10+460	10+470	10+480	10+490	10+500	10+510	10+520	10+530
182.009	181.969	181.929	181.889	181.848	181.808	181.768	181.728	181.688	181.648	181.687	181.727	181.767


MATCHLINE STA. 10+540
(SEE THIS SHEET)
EDGE OF HIGHWAY 2 (QEW)
35|20
10+560
10+580
10+600
10+620
10+640
10+660
10+680
10+700
10+720
10+740
10+760
10+780
10+800
10+820
10+840
1.56
6.00
6.90
0.60
7.59
NIAGARA SQUARE ENTRANCE
EXISTING BLDG. 'D'
UNIT 'D2' VACANT
UNIT 'D1' CIBC
BLDG. 'E'
UNIT 'E1' BMO
UNIT 'E2' MEDCARE
UNIT 'E3' CHOOM
PROP. WORKING EASEMENT
PROP. GRADING LIMIT
PROP. R.O.W.
EXISTING. R.O.W.


0.40%
PVI STA = 10+678.80
ELEV = 182.367
EX. MALL ENTRANCE
EXISTING/PROP. C/L PROFILE

10+540	181.808
10+550	181.848
10+560	181.888
10+570	181.929
10+580	181.969
10+590	182.009
10+600	182.050
10+610	182.090
10+620	182.130
10+630	182.170
10+640	182.211
10+650	182.251
10+660	182.291
10+670	182.332
10+680	182.362
10+690	182.318
10+700	182.274
10+710	182.230
10+720	182.186
10+730	182.142
10+740	182.097
10+750	182.053
10+760	182.009
10+770	181.965
10+780	181.921
10+790	181.877
10+800	181.833
10+810	181.789
10+820	181.745
10+830	181.701
10+840	181.657
10+850	181.613

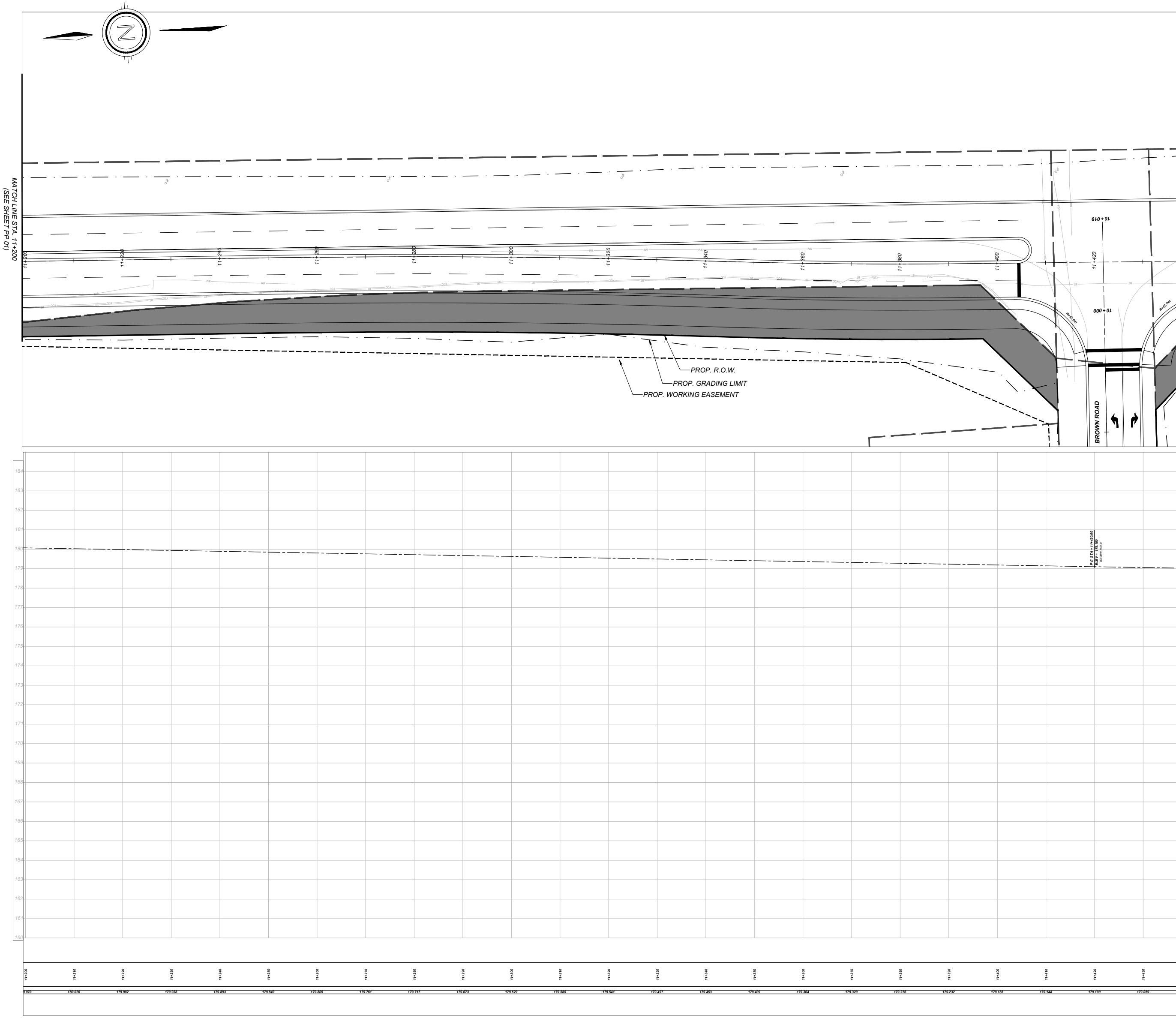

MATCH LINE STA. 11+200
(SEE SHEET 02)
CANADIAN DRIVE
10+860
10+880
10+900
10+920
10+940
10+960
10+980
11+000
11+020
11+040
11+060
11+080
11+100
11+120
11+140
11+160
11+180
-0.44%
10+860 181.568
10+870 181.524
10+880 181.480
10+890 181.436
10+900 181.392
10+910 181.348
10+920 181.304
10+930 181.260
10+940 181.216
10+950 181.172
10+960 181.128
10+970 181.084
10+980 181.040
10+990 180.995
11+000 180.951
11+010 180.907
11+020 180.863
11+030 180.819
11+040 180.775
11+050 180.731
11+060 180.687
11+070 180.643
11+080 180.599
11+090 180.555
11+100 180.511
11+110 180.466
11+120 180.422
11+130 180.378
11+140 180.334
11+150 180.290
11+160 180.246
11+170 180.202
11+180 180.158
11+190 180.114
11+200 180.07

LEGEND

— — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - -	PROPOSED WORKING EASEMENT
— · — ·	PROPOSED GRADING LIMIT
▨	PROPOSED ADDITIONAL ROAD ALLOWANCE

REGIONAL ROAD 98 (MONTROSE ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM REGIONAL ROAD 49 (McLEOD ROAD) TO 350M SOUTH OF CANADIAN DRIVE
PLAN AND PROFILE ROLL PLAN 01
SCALE 1:250
Nov 04, 2021


MATCH LINE STA. 11+200
(SEE SHEET PP 01)
11+200
11+220
11+240
11+260
11+280
11+300
11+320
11+340
11+360
11+380
11+400
11+420
10+019
10+000
R=15.0m
R=15.0m
BROWN ROAD
PROP. R.O.W.
PROP. GRADING LIMIT
PROP. WORKING EASEMENT
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
169
168
167
166
165
164
163
162
161
160
PVI STA = 11+420.00
ELEV = 179.100
BROWN ROAD
11+200
11+210
11+220
11+230
11+240
11+250
11+260
11+270
11+280
11+290
11+300
11+310
11+320
11+330
11+340
11+350
11+360
11+370
11+380
11+390
11+400
11+410
11+420
11+430
0.070
180.026
179.982
179.938
179.893
179.849
179.805
179.761
179.717
179.673
179.629
179.585
179.541
179.497
179.453
179.409
179.364
179.320
179.276
179.232
179.188
179.144
179.100
179.059

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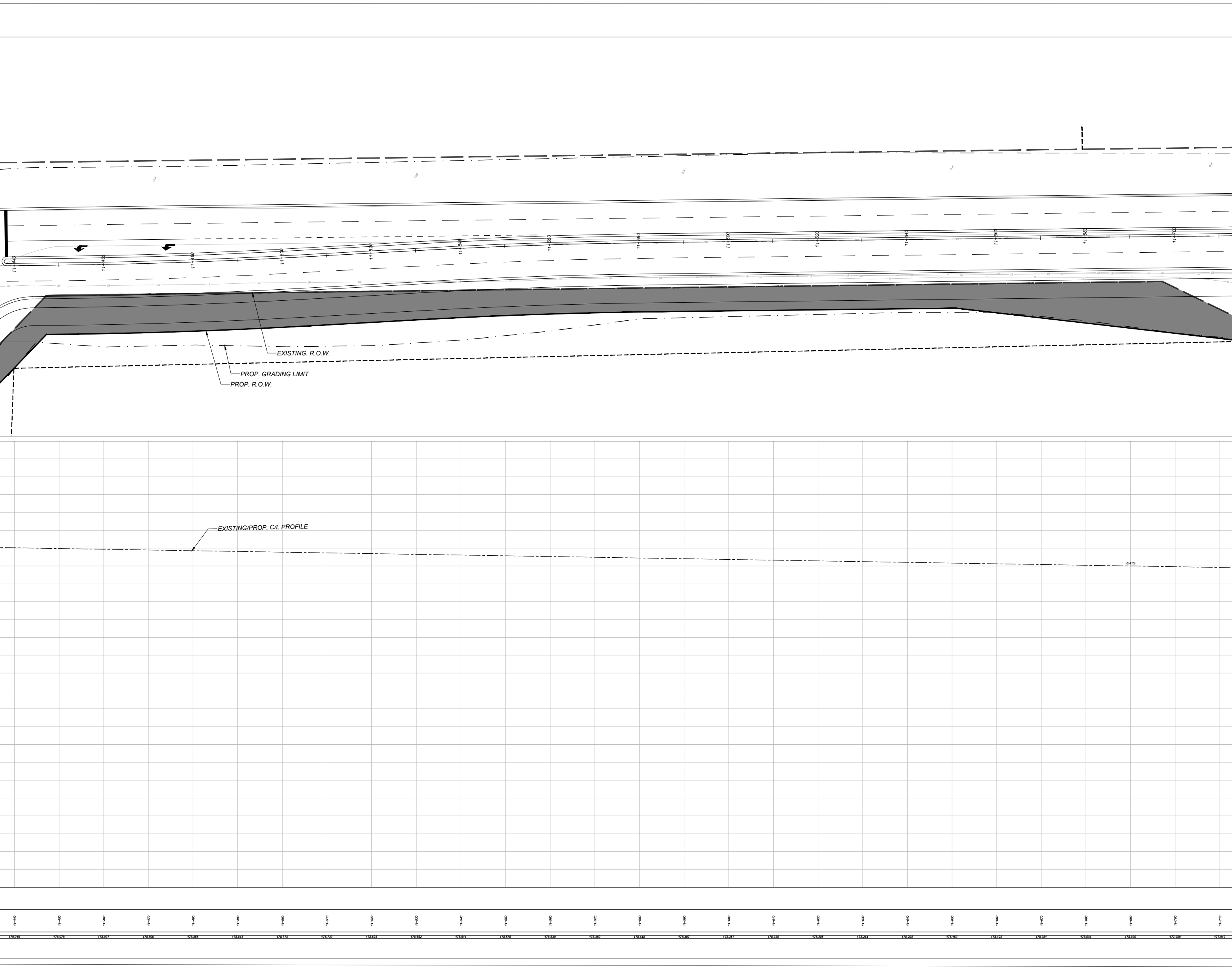
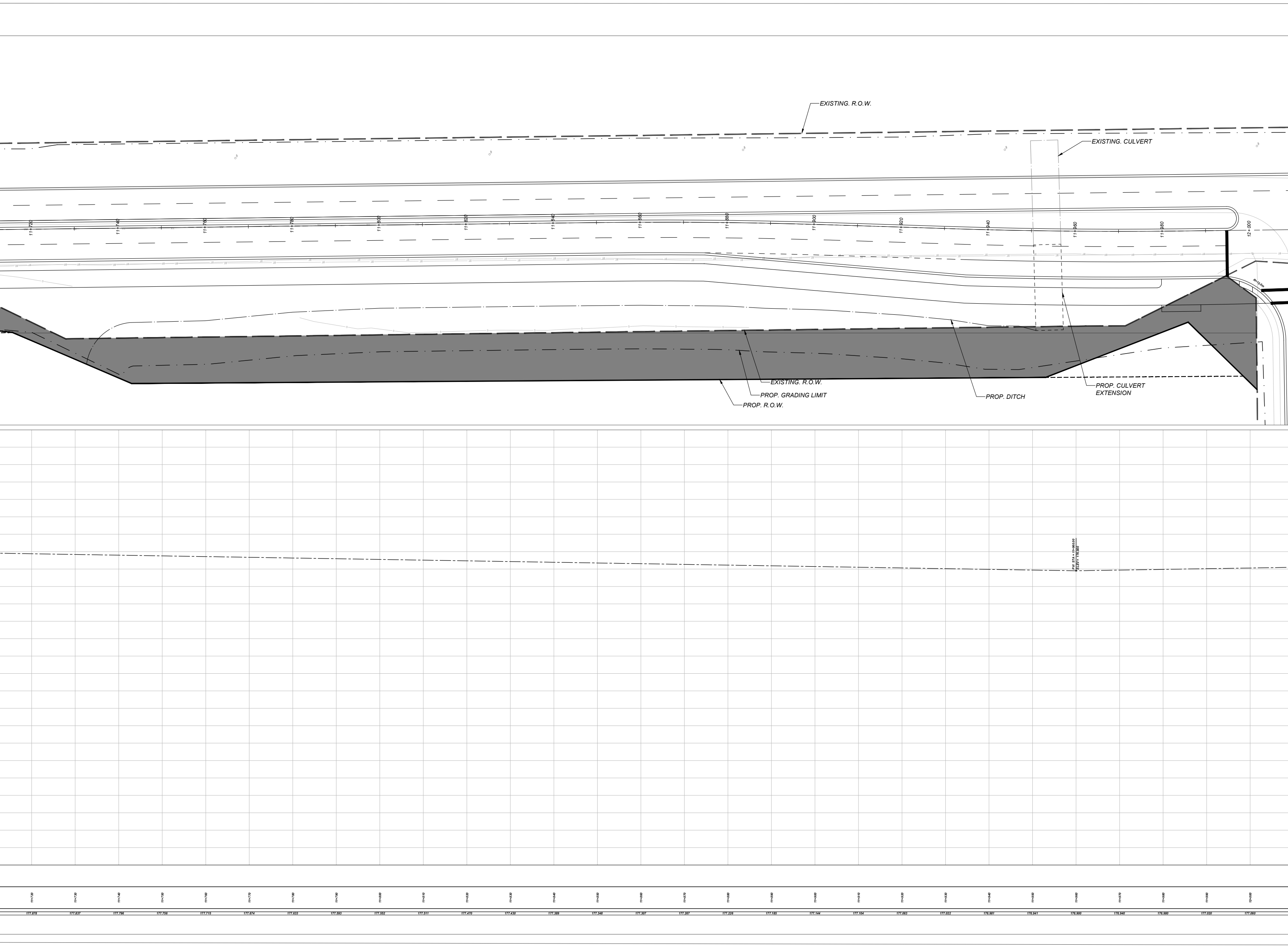
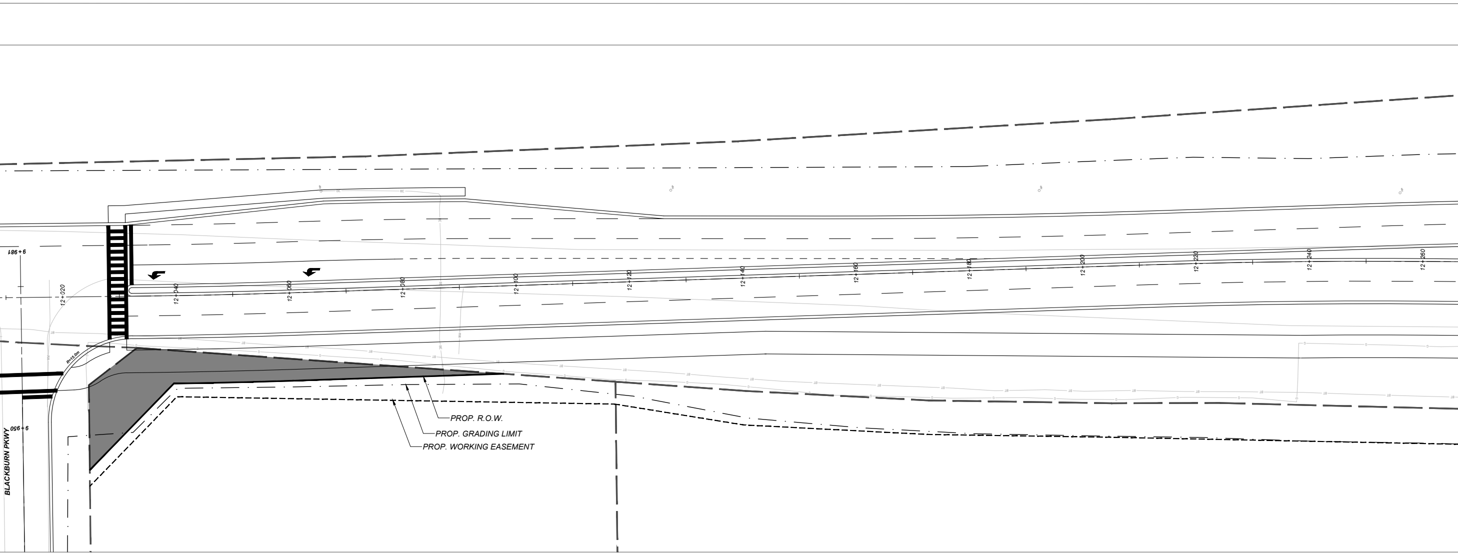
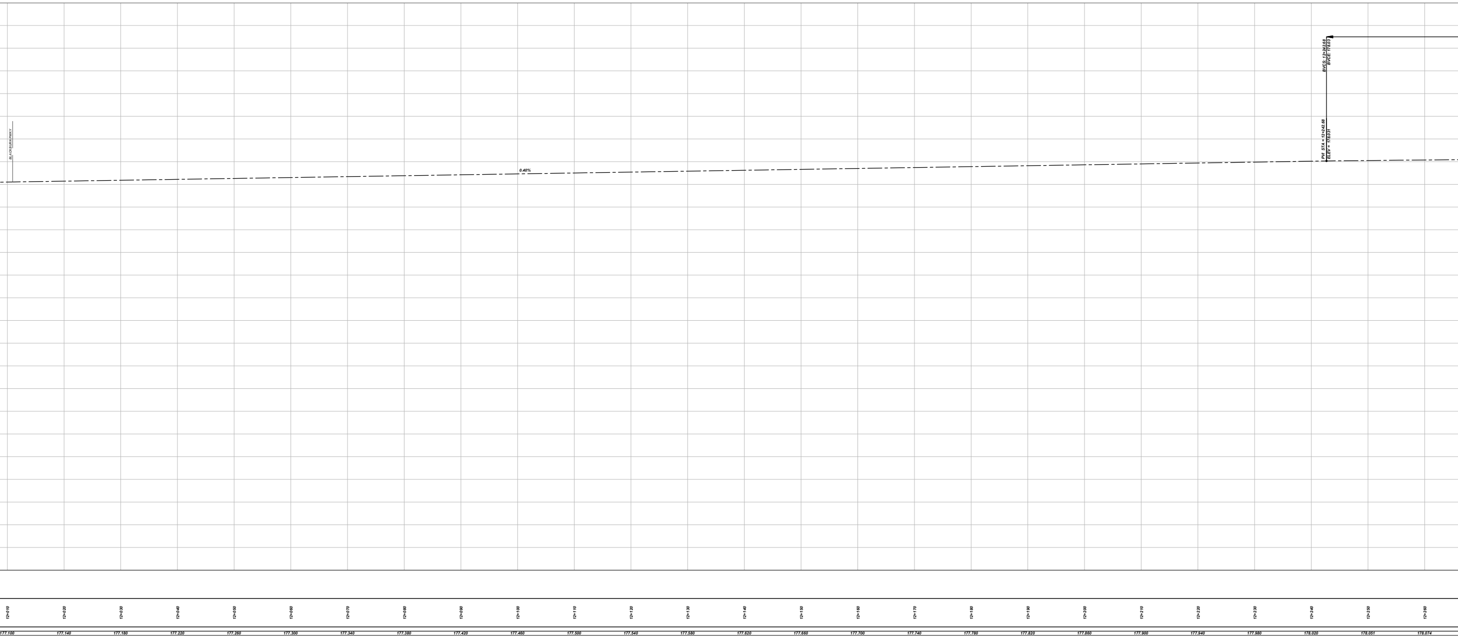
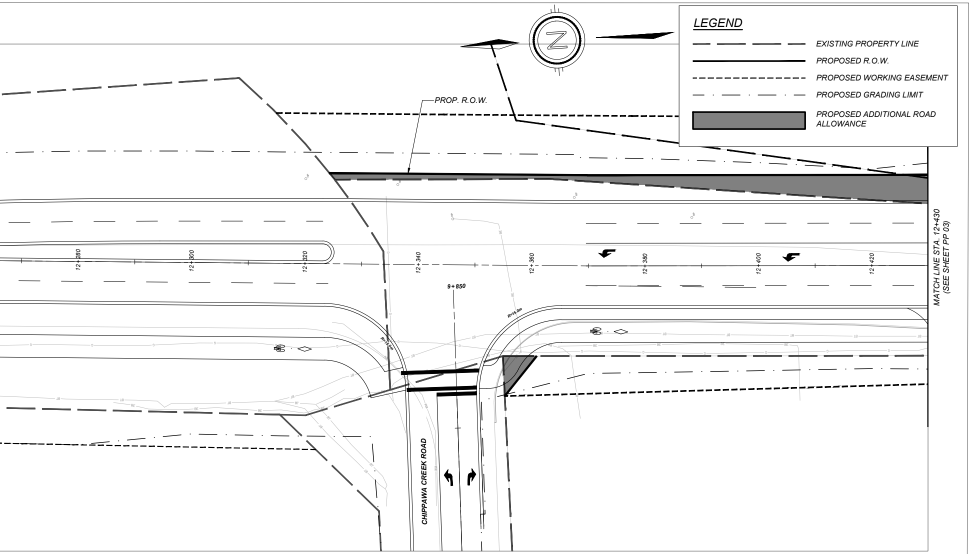

11+440
11+460
11+480
11+500
11+520
11+540
11+560
11+580
11+600
11+620
11+640
11+660
11+680
11+700
EXISTING. R.O.W.
PROP. GRADING LIMIT
PROP. R.O.W.
EXISTING/PROP. C/L PROFILE
-0.41%
11+440
11+450
11+460
11+470
11+480
11+490
11+500
11+510
11+520
11+530
11+540
11+550
11+560
11+570
11+580
11+590
11+600
11+610
11+620
11+630
11+640
11+650
11+660
11+670
11+680
11+690
11+700
11+710
179.019
178.978
178.937
178.896
178.856
178.815
178.774
178.733
178.693
178.652
178.611
178.570
178.530
178.489
178.448
178.407
178.367
178.326
178.285
178.244
178.204
178.163
178.122
178.081
178.041
178.000
177.959
177.919


EXISTING. R.O.W.
EXISTING. CULVERT
11+720
11+740
11+760
11+780
11+800
11+820
11+840
11+860
11+880
11+900
11+920
11+940
11+960
11+980
12+000
R=15.0m
EXISTING. R.O.W.
PROP. GRADING LIMIT
PROP. R.O.W.
PROP. DITCH
PROP. CULVERT EXTENSION
PVI STA = 11+960.00
ELEV = 176.900
11+720 177.878
11+730 177.837
11+740 177.796
11+750 177.756
11+760 177.715
11+770 177.674
11+780 177.633
11+790 177.593
11+800 177.552
11+810 177.511
11+820 177.470
11+830 177.430
11+840 177.389
11+850 177.348
11+860 177.307
11+870 177.267
11+880 177.226
11+890 177.185
11+900 177.144
11+910 177.104
11+920 177.063
11+930 177.022
11+940 176.981
11+950 176.941
11+960 176.900
11+970 176.940
11+980 176.980
11+990 177.020
12+000 177.060

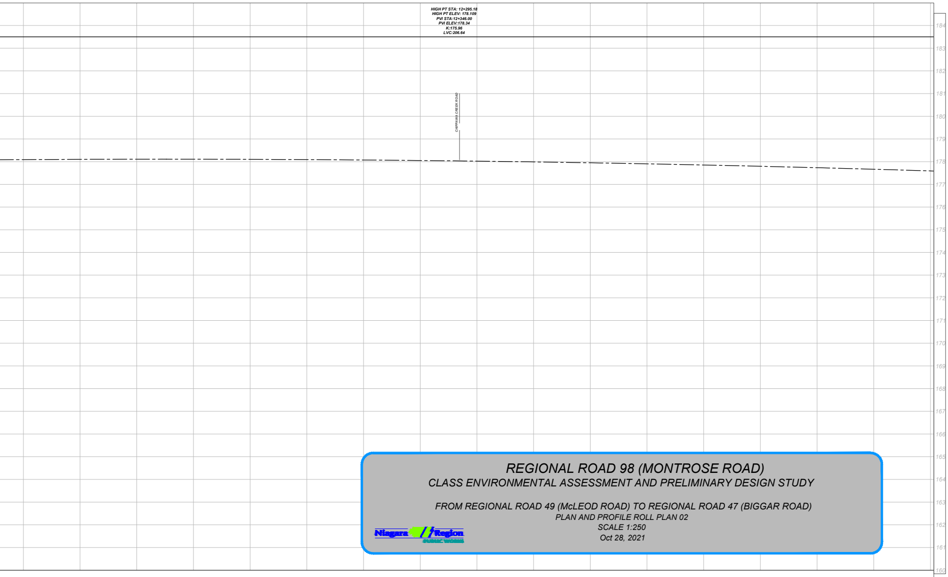

9+981
12+020
12+040
12+060
12+080
12+100
12+120
12+140
12+160
12+180
12+200
12+220
12+240
12+260
R=15.0m
9+950
BLACKBURN PKWY
PROP. R.O.W.
PROP. GRADING LIMIT
PROP. WORKING EASEMENT


BLACKBURN PWKY
0.40%
BVCS: 12+242.68
BVCE: 178.03
PVI STA = 12+242.68
ELEV = 178.031
12+010
12+020
12+030
12+040
12+050
12+060
12+070
12+080
12+090
12+100
12+110
12+120
12+130
12+140
12+150
12+160
12+170
12+180
12+190
12+200
12+210
12+220
12+230
12+240
12+250
12+260
177.100
177.140
177.180
177.220
177.260
177.300
177.340
177.380
177.420
177.460
177.500
177.540
177.580
177.620
177.660
177.700
177.740
177.780
177.820
177.860
177.900
177.940
177.980
178.020
178.051
178.074


N
PROP. R.O.W.
12+280
12+300
12+320
12+340
12+360
12+380
12+400
12+420
9+850
R=15.0m
R=15.0m
CHIPPAWA CREEK ROAD
MATCH LINE STA. 12+430
(SEE SHEET PP 03)

LEGEND

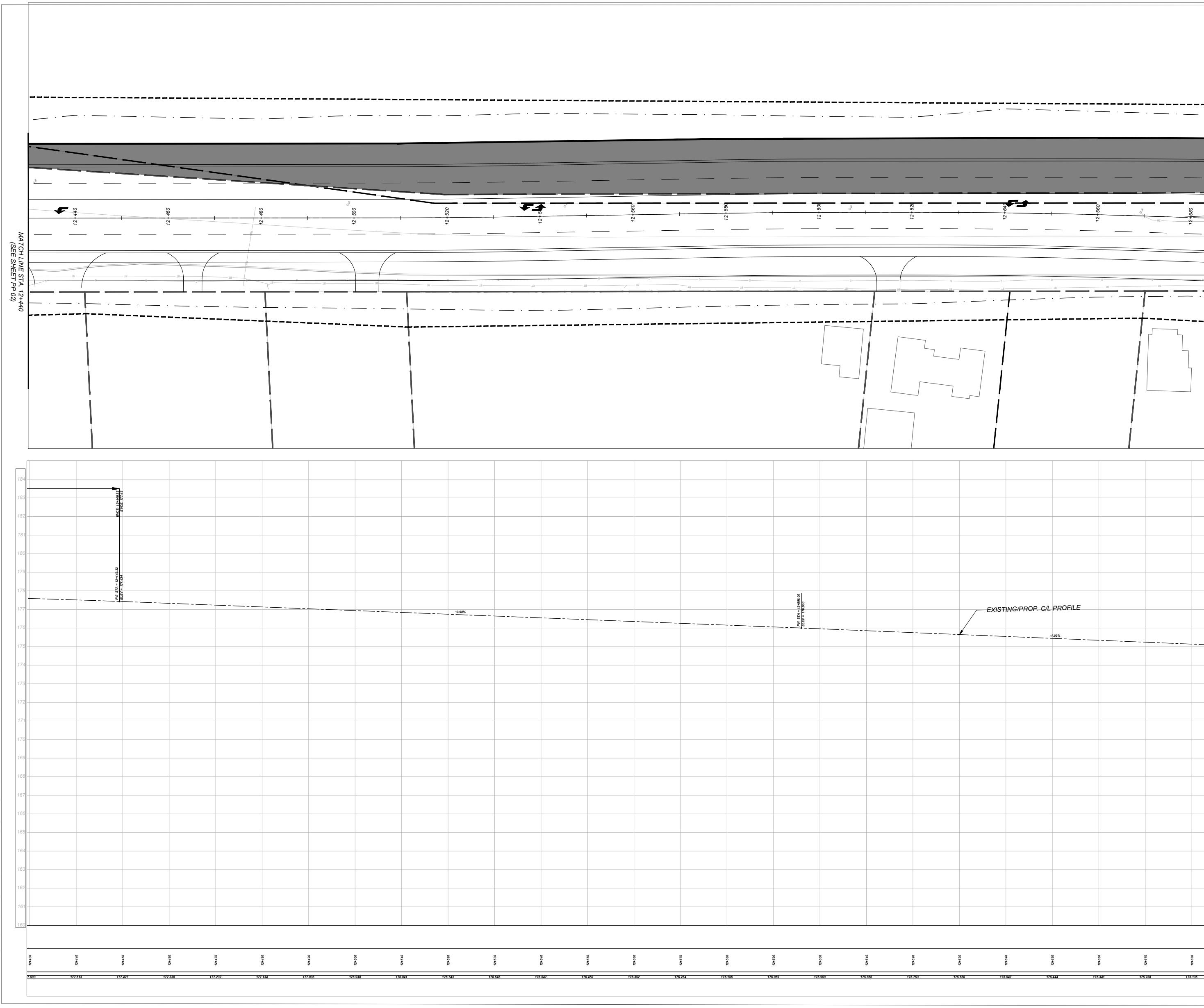
— — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
▨	PROPOSED ADDITIONAL ROAD ALLOWANCE



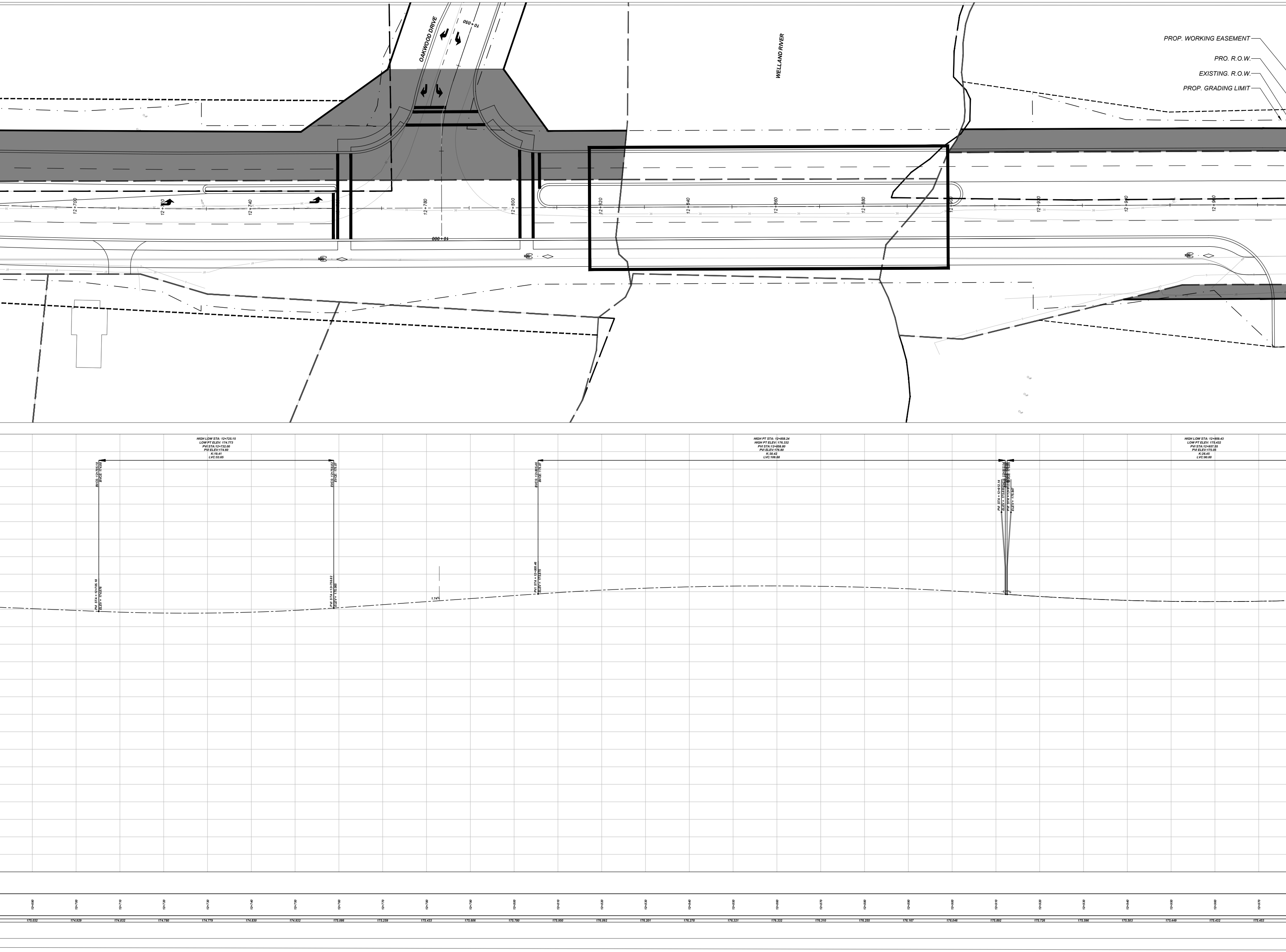
REGIONAL ROAD 98 (MONTROSE ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM REGIONAL ROAD 49 (McLEOD ROAD) TO REGIONAL ROAD 47 (BIGGAR ROAD)
PLAN AND PROFILE ROLL PLAN 02
SCALE 1:250
Oct 28, 2021

12+270	12+280	12+290	12+300	12+310	12+320	12+330	12+340	12+350	12+360	12+370	12+380	12+390	12+400	12+410	12+420	12+430
178.091	178.102	178.108	178.108	178.103	178.092	178.075	178.052	178.024	177.990	177.950	177.905	177.854	177.797	177.734	177.666	177.5


MATCH LINE STA. 12+440
(SEE SHEET PP 02)
12+440
12+460
12+480
12+500
12+520
12+5
12+560
12+580
12+600
12+620
12+640
12+560
12+680
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
169
168
167
166
165
164
163
162
161
160
EVCS: 12+449.32
EVCE: 177.43
PVI STA = 12+449.32
ELEV = 177.434
-0.98%
PVI STA = 12+596.00
ELEV = 176.000
EXISTING/PROP. C/L PROFILE
-1.03%
12+430
12+440
12+450
12+460
12+470
12+480
12+490
12+500
12+510
12+520
12+530
12+540
12+550
12+560
12+570
12+580
12+590
12+600
12+610
12+620
12+630
12+640
12+650
12+660
12+670
12+680
7.593
177.513
177.427
177.330
177.232
177.134
177.036
176.938
176.841
176.743
176.645
176.547
176.450
176.352
176.254
176.156
176.059
175.959
175.856
175.753
175.650
175.547
175.444
175.341
175.238
175.135

DRAWING FILE: C:\pw_working\ontario\parsons_p000563g\dms34084\477511_EA_Roll Plan_001.dwg PLOTTED: Oct 28, 2021 - 2:45pm PLOTTED BY: p000563G


OAKWOOD DRIVE
10+050
WELLAND RIVER
10+000
PROP. WORKING EASEMENT
PRO. R.O.W.
EXISTING. R.O.W.
PROP. GRADING LIMIT
12+700
12+720
12+740
12+780
12+800
12+820
12+840
12+860
12+880
12+900
12+920
12+940
12+960
HIGH LOW STA: 12+725.15
LOW PT ELEV: 174.773
PVI STA:12+732.00
PVI ELEV:174.60
K:19.41
LVC:53.65
BVCS: 12+705.18
BVCE: 174.88
PVI STA = 12+705.18
ELEV = 174.876
EVCS: 12+758.82
EVCE: 175.07
PVI STA = 12+758.82
ELEV = 175.065
1.74%
BVCS: 12+805.46
BVCE: 175.87
PVI STA = 12+805.46
ELEV = 175.875
HIGH PT STA: 12+858.24
HIGH PT ELEV: 176.332
PVI STA:12+858.80
PVI ELEV:176.80
K:30.42
LVC:106.68
EVCS: 12+912.14
BVCE: 175.85
PVI STA = 12+912.14
ELEV = 175.855
PVI STA = 12+912.58
ELEV = 175.847
HIGH LOW STA: 12+959.43
LOW PT ELEV: 175.432
PVI STA:12+957.55
PVI ELEV:175.05
K:26.45
LVC:90.00
12+690
12+700
12+710
12+720
12+730
12+740
12+750
12+760
12+770
12+780
12+790
12+800
12+810
12+820
12+830
12+840
12+850
12+860
12+870
12+880
12+890
12+900
12+910
12+920
12+930
12+940
12+950
12+960
12+970
175.032
174.929
174.832
174.780
174.779
174.830
174.932
175.086
175.259
175.433
175.606
175.780
175.950
176.092
176.201
176.278
176.321
176.332
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176.255
176.167
176.046
175.892
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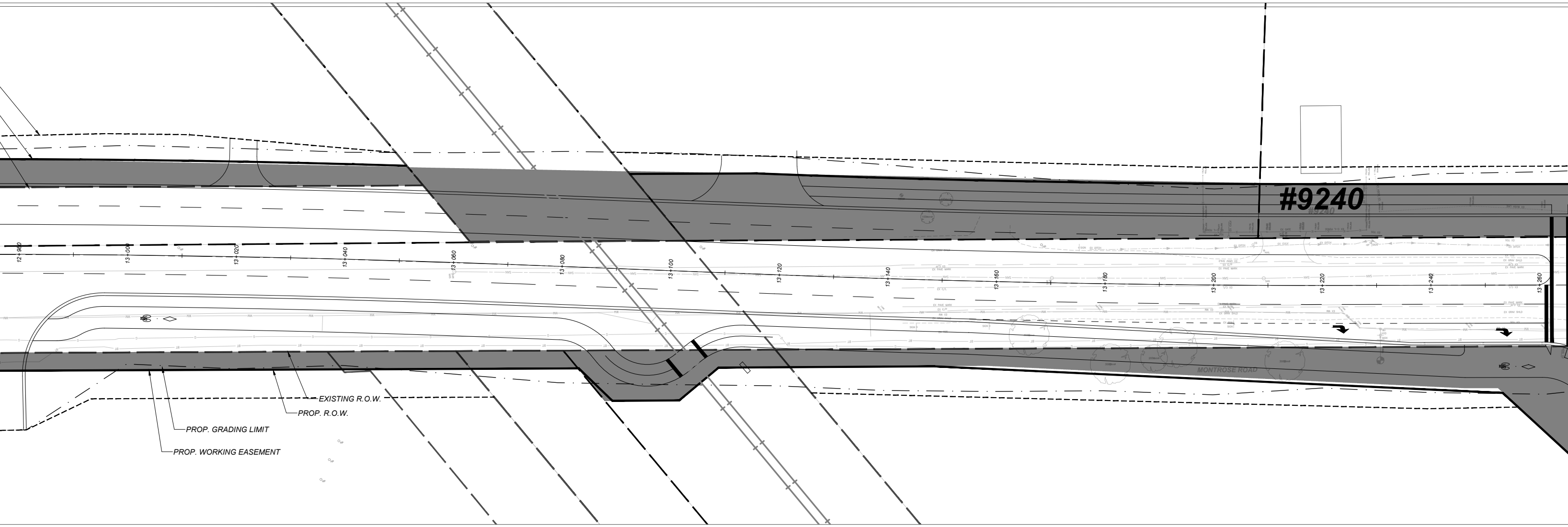
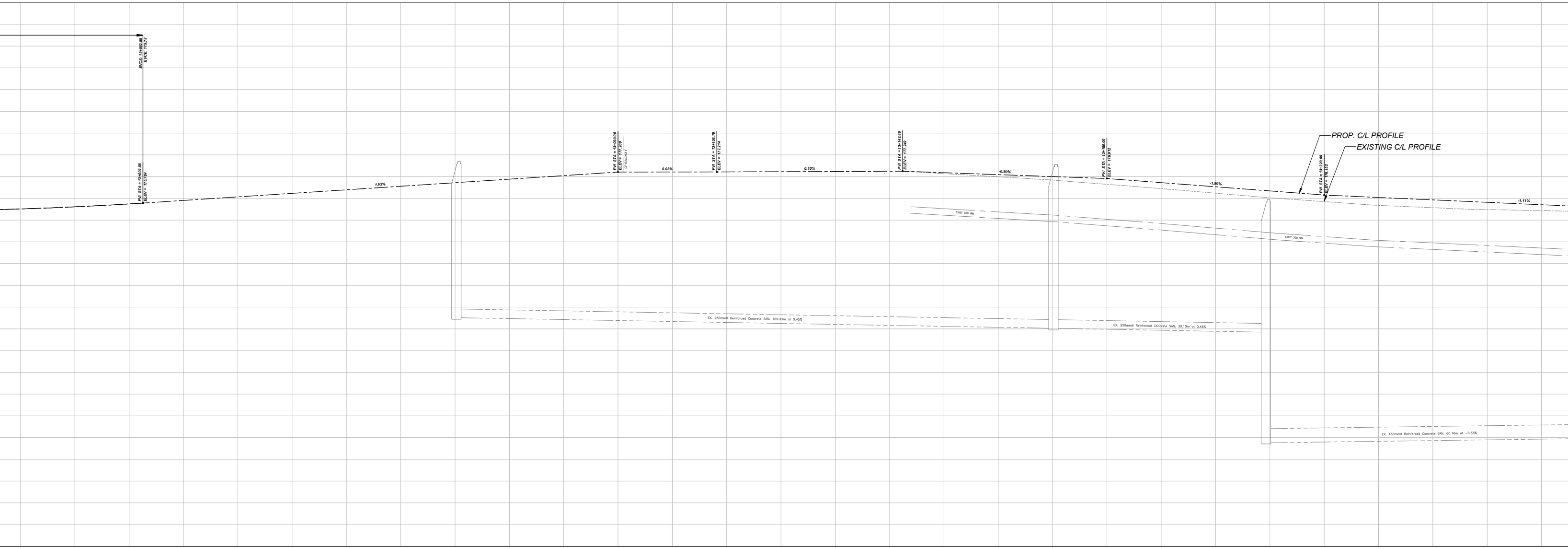
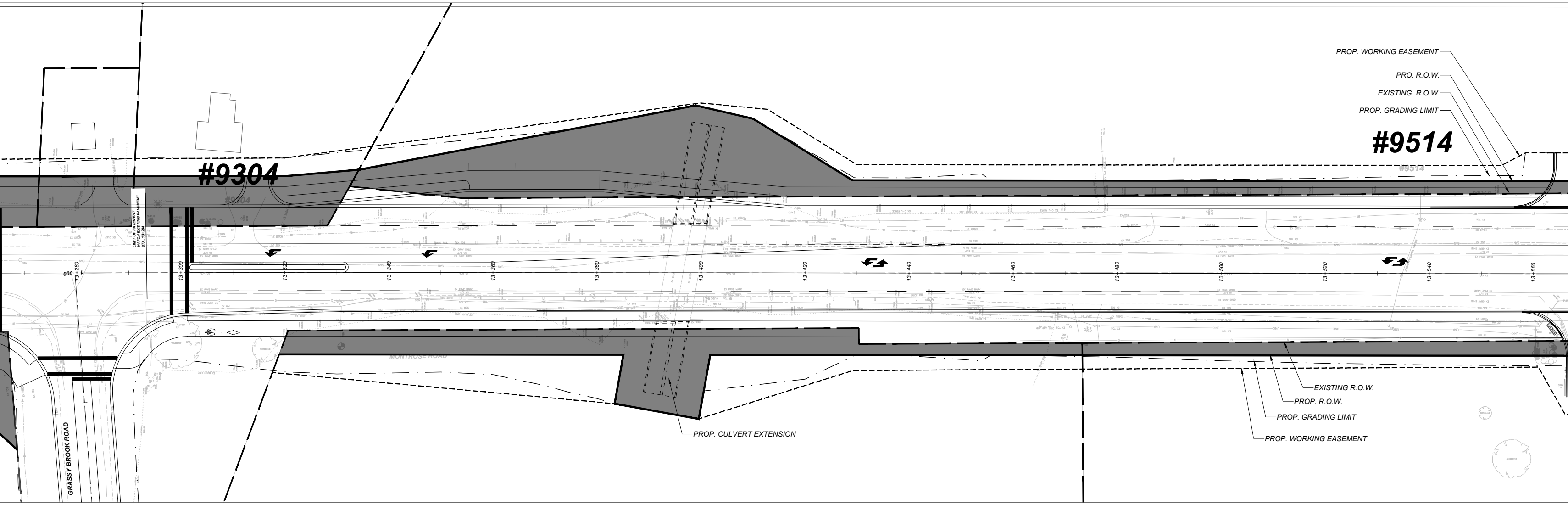
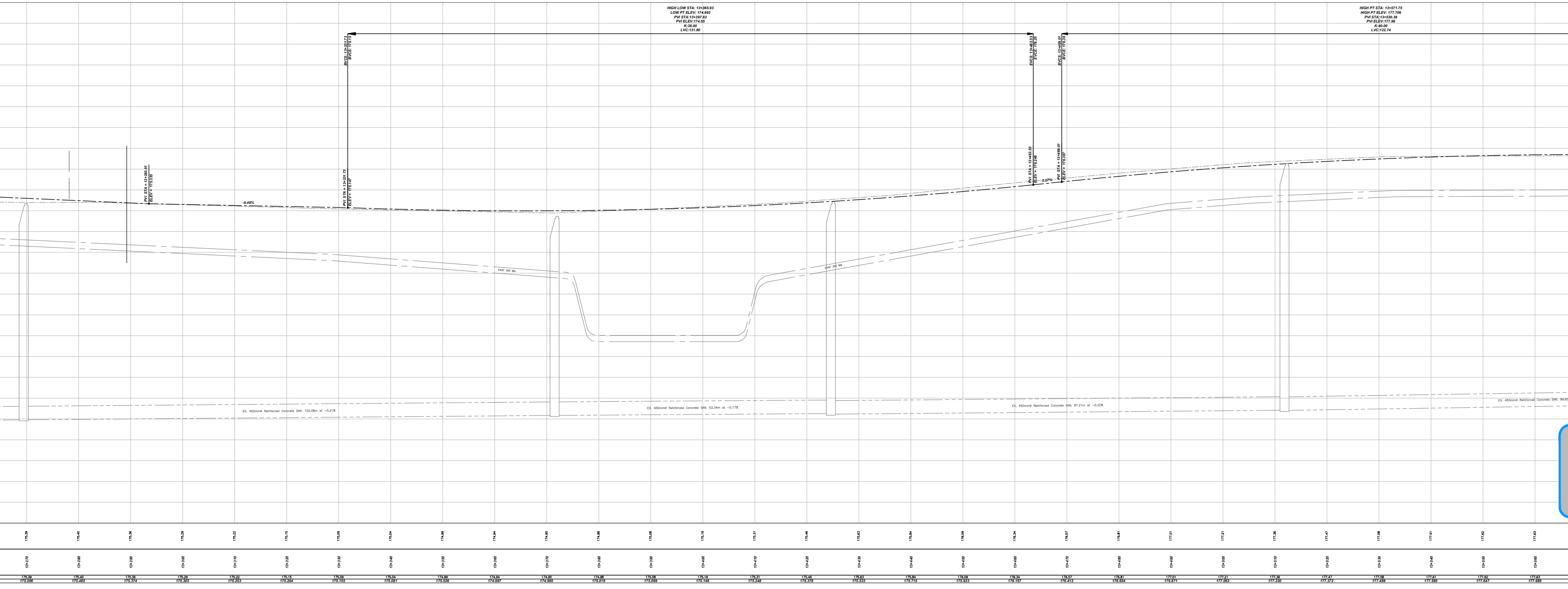
175.503
175.449
175.432
175.453

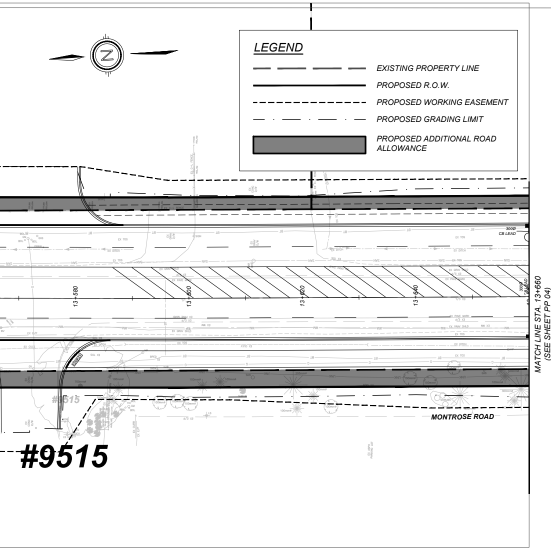

#9240
12+980
13+000
13+020
13+040
13+060
13+080
13+100
13+120
13+140
13+160
13+180
13+200
13+220
13+240
13+260
MONTROSE ROAD
EXISTING R.O.W.
PROP. R.O.W.
PROP. GRADING LIMIT
PROP. WORKING EASEMENT


EVCS: 13+002.55
EVCE: 175.78
PVI STA = 13+002.55
ELEV = 175.784
1.63%
PVI STA = 13+090.00
ELEV = 177.209
CP RAILWAY
0.03%
PVI STA = 13+108.19
ELEV = 177.214
0.10%
PVI STA = 13+142.40
ELEV = 177.249
-0.90%
PVI STA = 13+180.00
ELEV = 176.912
-1.90%
PROP. C/L PROFILE
EXISTING C/L PROFILE
PVI STA = 13+220.00
ELEV = 176.152
-1.11%
EXIST 300 WM
EXIST 300 WM
EX. 250mm# Reinforced Concrete SAN. 109.93m at 0.45%
EX. 250mm# Reinforced Concrete SAN. 39.10m at 0.46%
EX. 450mm# Reinforced Concrete SAN. 60.16m at -0.33%

	12+980	175.512
	12+990	175.609
	13+000	175.743
	13+010	175.905
	13+020	176.068
	13+030	176.231
	13+040	176.394
	13+050	176.557
	13+060	176.720
	13+070	176.883
	13+080	177.046
	13+090	177.209
	13+100	177.212
	13+110	177.216
	13+120	177.226
	13+130	177.236
	13+140	177.246
177.14	13+150	177.14 177.181
176.99	13+160	176.99 177.091
176.84	13+170	176.84 177.002
176.65	13+180	176.65 176.912
176.45	13+190	176.45 176.722
176.24	13+200	176.24 176.532
176.03	13+210	176.03 176.342
175.85	13+220	175.85 176.152
175.68	13+230	175.68 176.041
175.57	13+240	175.57 175.930
175.48	13+250	175.48 175.819
175.44	13+260	175.44 175.707

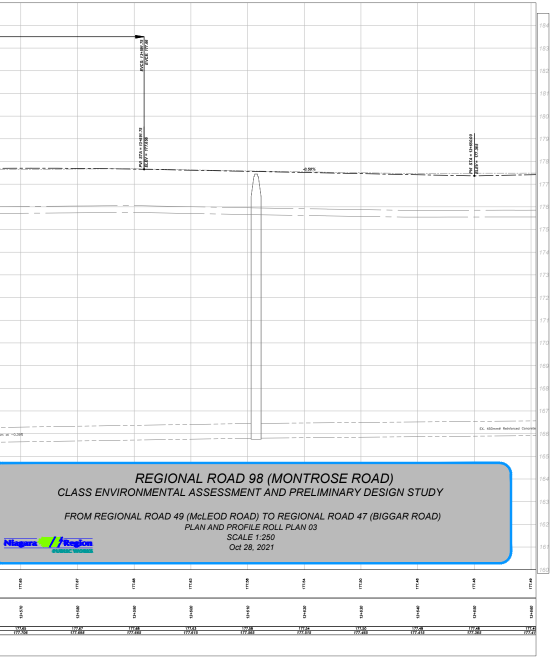

PROP. WORKING EASEMENT
PRO. R.O.W.
EXISTING. R.O.W.
PROP. GRADING LIMIT
#9304
#9514
LIMIT OF PAVEMENT
MATCH EXISTING PAVEMENT
STA. 13+294
13+280
13+300
13+320
13+340
13+360
13+380
13+400
13+420
13+440
13+460
13+480
13+500
13+520
13+540
13+560
MONTROSE ROAD
GRASSY BROOK ROAD
EXISTING R.O.W.
PROP. R.O.W.
PROP. GRADING LIMIT
PROP. WORKING EASEMENT
PROP. CULVERT EXTENSION


HIGH LOW STA: 13+365.93
LOW PT ELEV: 174.993
PVI STA:13+397.63
PVI ELEV:174.55
K:38.00
LVC:131.80
HIGH PT STA: 13+571.75
HIGH PT ELEV: 177.706
PVI STA:13+530.38
PVI ELEV:177.96
K:40.00
LVC:122.74
BVCS: 13+331.73
BVCE: 175.15
EVCS: 13+463.53
EVCE: 176.25
BVCS: 13+469.01
BVCE: 176.39
PVI STA = 13+293.51
ELEV = 175.335
-0.49%
PVI STA = 13+331.73
ELEV = 175.147
PVI STA = 13+463.53
ELEV = 176.246
2.57%
PVI STA = 13+469.01
ELEV = 176.387
EXIST 300 WM
EXIST 300 WM
EX. 450mmø Reinforced Concrete SAN. 102.08m at -0.21%
EX. 450mmø Reinforced Concrete SAN. 53.34m at -0.17%
EX. 450mmø Reinforced Concrete SAN. 87.21m at -0.22%
EX. 450mmø Reinforced Concrete SAN. 99.65
175.39
175.40
175.36
175.29
175.22
175.15
175.09
175.04
174.99
174.94
174.90
174.98
175.08
175.19
175.31
175.46
175.63
175.84
176.09
176.34
176.57
176.81
177.01
177.21
177.36
177.47
177.58
177.61
177.62
177.63
13+270
13+280
13+290
13+300
13+310
13+320
13+330
13+340
13+350
13+360
13+370
13+380
13+390
13+400
13+410
13+420
13+430
13+440
13+450
13+460
13+470
13+480
13+490
13+500
13+510
13+520
13+530
13+540
13+550
13+560
175.39
175.596
175.40
175.485
175.36
175.374
175.29
175.303
175.22
175.253
175.15
175.204
175.09
175.155
175.04
175.081
174.99
175.026
174.94
174.997
174.90
174.995
174.98
175.019
175.08
175.069
175.19
175.146
175.31
175.248
175.46
175.378
175.63
175.533
175.84
175.715
176.09
175.923
176.34
176.157
176.57
176.412
176.81
176.654
177.01
176.871
177.21
177.063
177.36
177.230
177.47
177.372
177.58
177.489
177.61
177.580
177.62
177.647
177.63
177.689


N
300Ø CB LEAD
13+580
13+600
13+620
13+640
#9515
#9515
MONTROSE ROAD
MATCH LINE STA. 13+660
(SEE SHEET PP 04)

LEGEND

— — — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
▨	PROPOSED ADDITIONAL ROAD ALLOWANCE

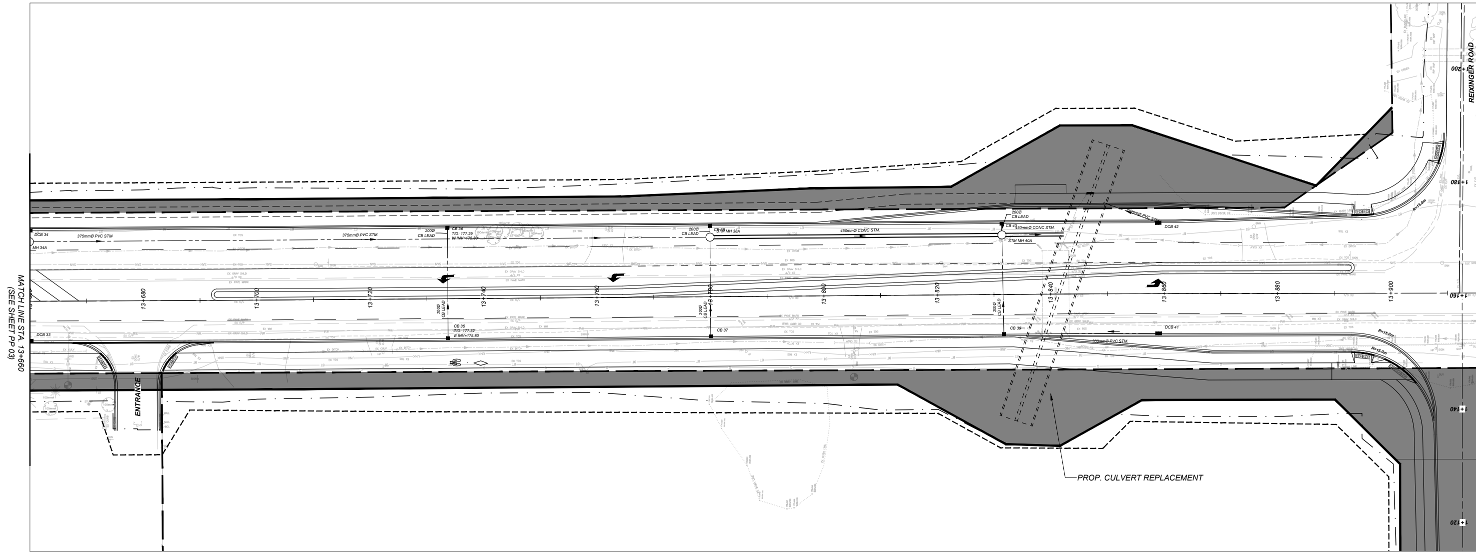

EVCS: 13+591.75
EVCE: 177.66
PVI STA = 13+591.75
ELEV = 177.656
-0.50%
PVI STA = 13+650.00
ELEV = 177.365
EX. 450mmø Reinforced Concrete
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
169
168
167
166
165
164
163
162
161
160
177.65
177.67
177.68
177.63
177.58
177.54
177.50
177.48
177.48
177.49
13+570
13+580
13+590
13+600
13+610
13+620
13+630
13+640
13+650
13+660
177.65 177.706
177.67 177.698
177.68 177.665
177.63 177.615
177.58 177.565
177.54 177.515
177.50 177.465
177.48 177.415
177.48 177.365
177.49 177.41

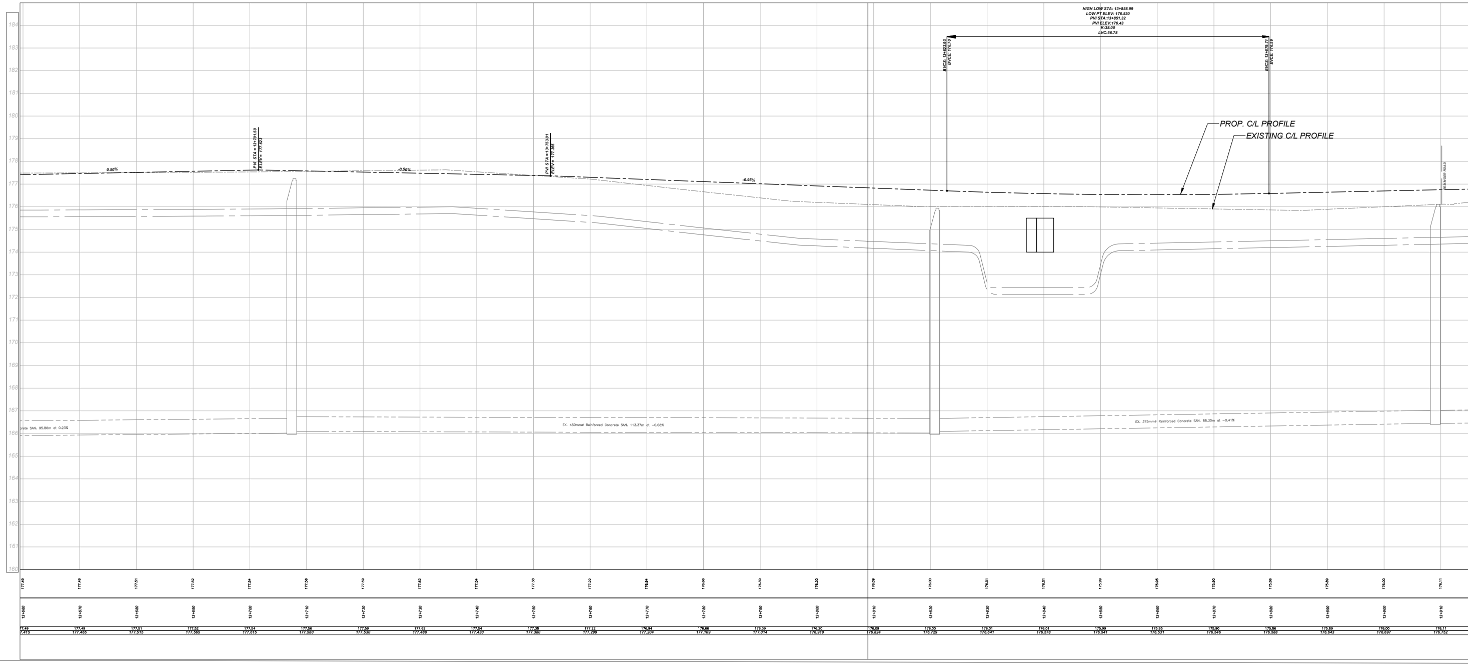
REGIONAL ROAD 98 (MONTROSE ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

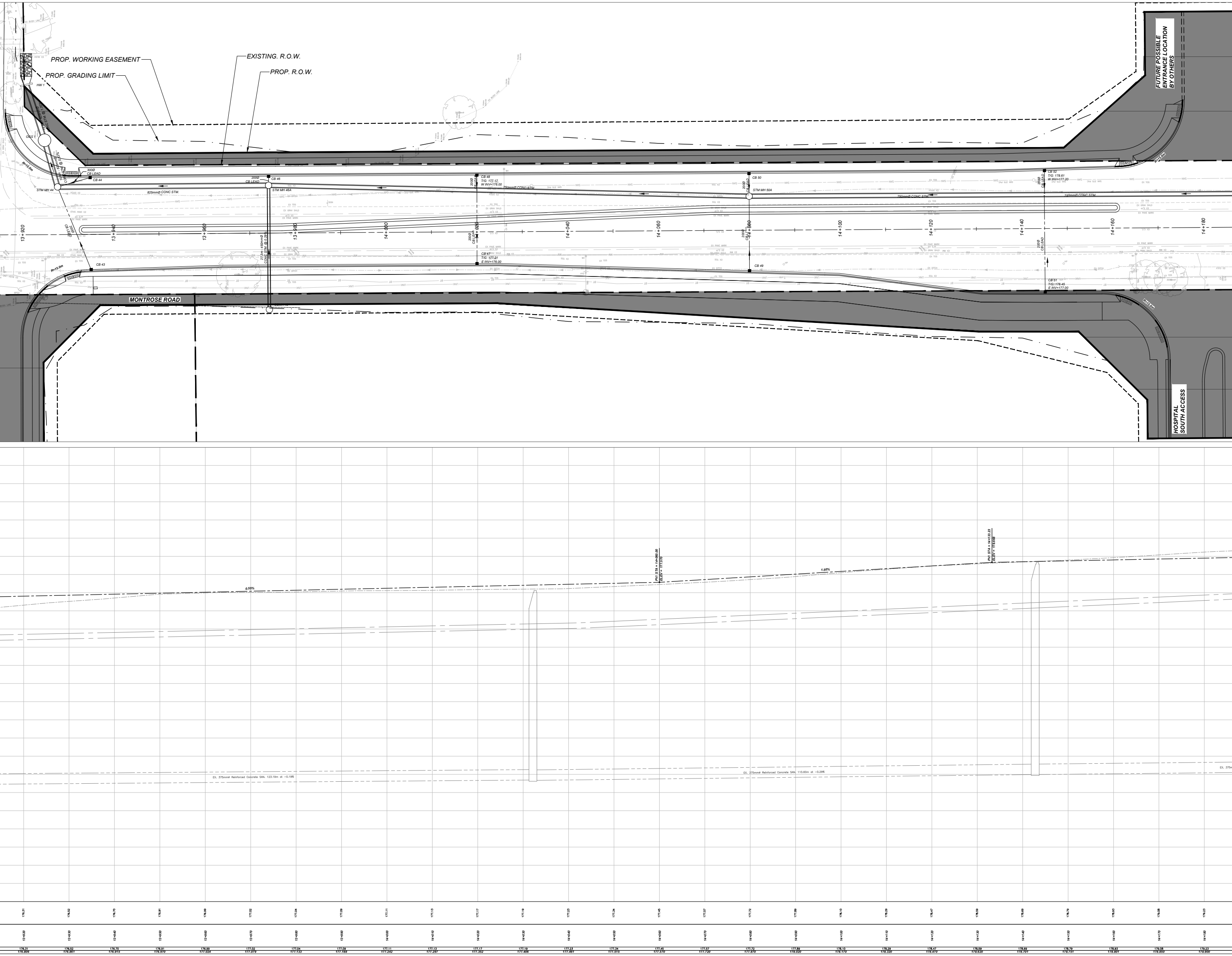
FROM REGIONAL ROAD 49 (McLEOD ROAD) TO REGIONAL ROAD 47 (BIGGAR ROAD)
PLAN AND PROFILE ROLL PLAN 03
SCALE 1:250
Oct 28, 2021

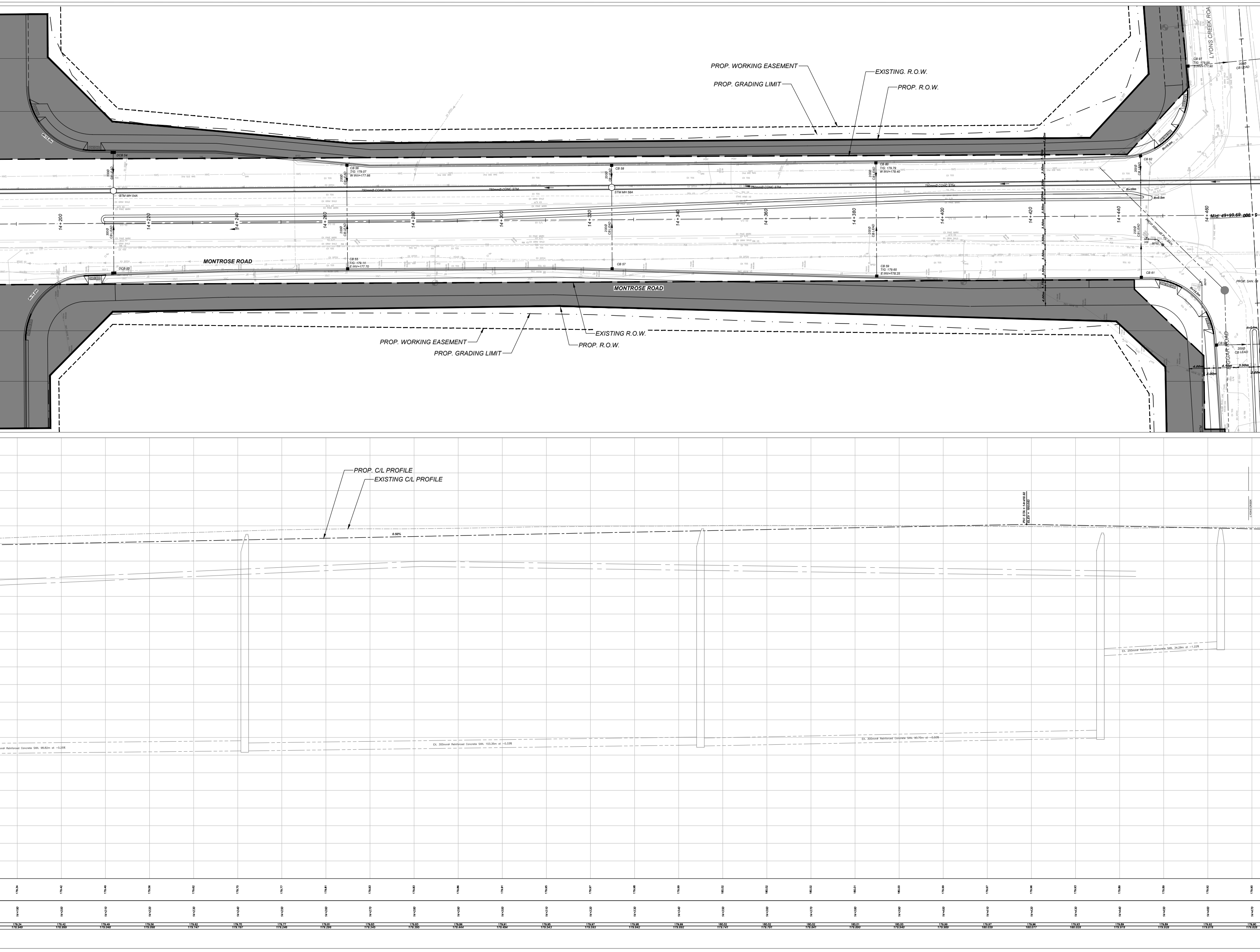
Niagara Region
PUBLIC WORKS

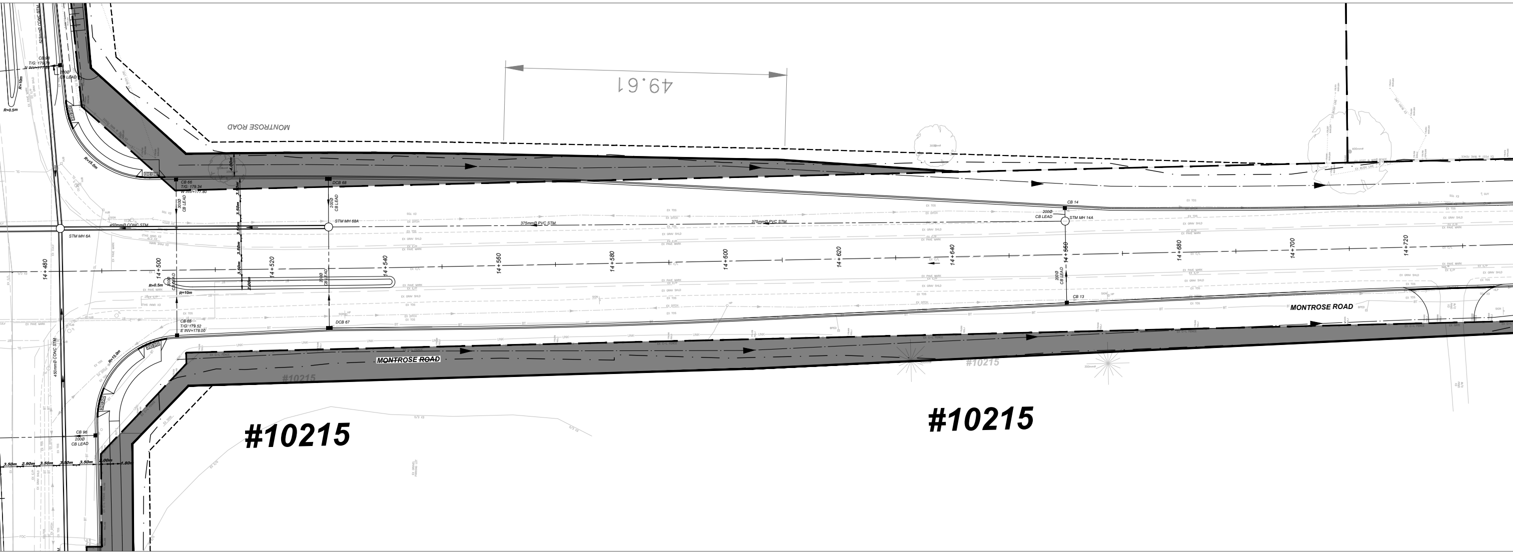
DRAWING FILE: C:\pw_working\ontario\parsons_p000563g\dms34084\477511_EA_Roll Plan_001.dwg PLOTTED: Oct 28, 2021 - 2:00pm PLOTTED BY: p000563G

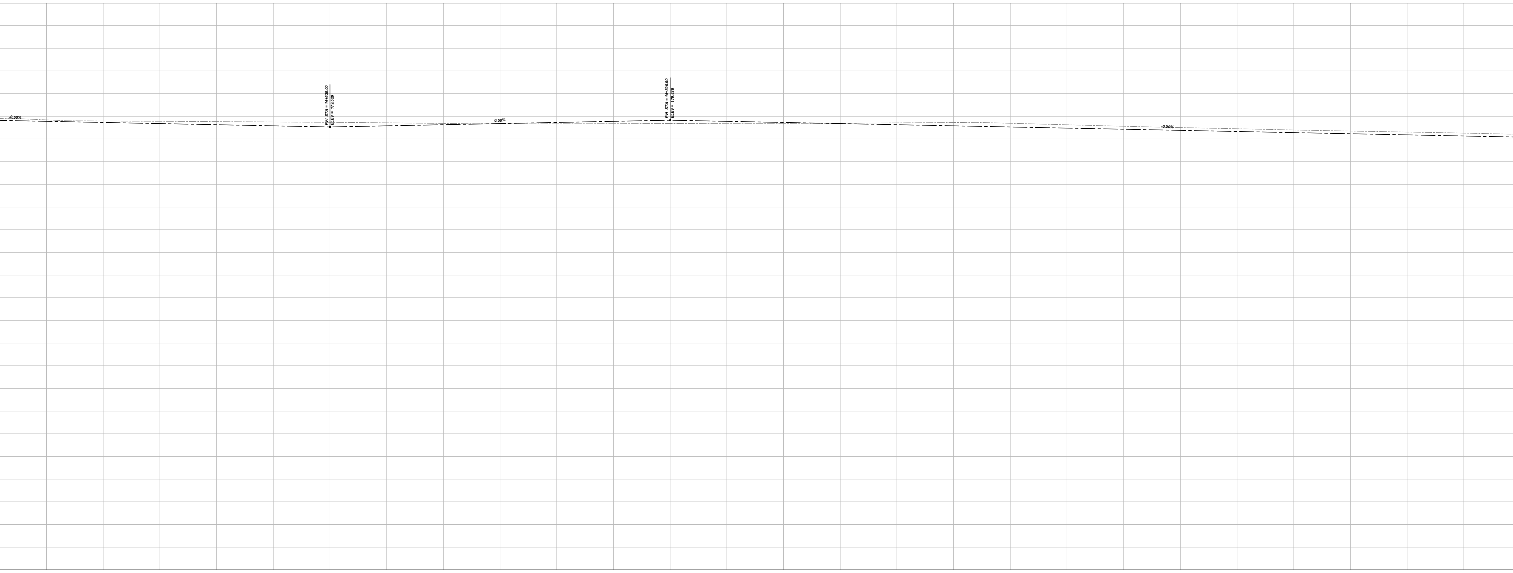

MATCH LINE STA. 13+660
(SEE SHEET PP 03)
REIXINGER ROAD
ENTRANCE
PROP. CULVERT REPLACEMENT
13+680
13+700
13+720
13+740
13+760
13+780
13+800
13+820
13+840
13+860
13+880
13+900
375mmØ PVC STM
450mmØ CONC STM.
300mmØ PVC STM
DCB 33
DCB 34
MH 34A
CB 35
CB 36
CB 37
CB 38
CB 39
CB 40
DCB 41
DCB 42
STM MH 38A
STM MH 40A
200Ø CB LEAD
R=15.0m
1+200
1+180
1+160
1+140
1+120


HIGH LOW STA: 13+858.99
LOW PT ELEV: 176.530
PVI STA:13+851.32
PVI ELEV:176.43
K:38.00
LVC:56.78
PROP. C/L PROFILE
EXISTING C/L PROFILE
0.50%
-0.50%
-0.95%
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
169
168
167
166
165
164
163
162
161
160
EX. 450mmØ Reinforced Concrete SAN, 113.37m at ~0.08%
EX. 375mmØ Reinforced Concrete SAN, 86.30m at ~0.41%
13+660
13+670
13+680
13+690
13+700
13+710
13+720
13+730
13+740
13+750
13+760
13+770
13+780
13+790
13+800
13+810
13+820
13+830
13+840
13+850
13+860
13+870
13+880
13+890
13+900
13+910

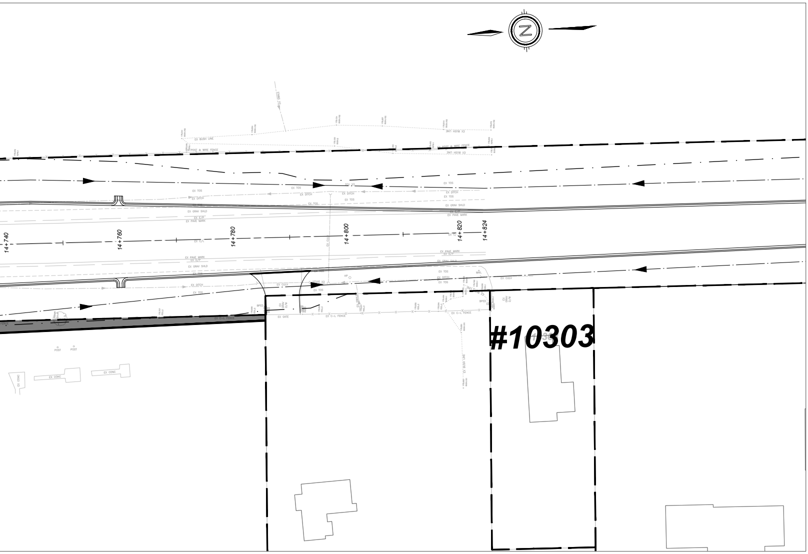

PROP. WORKING EASEMENT
PROP. GRADING LIMIT
EXISTING. R.O.W.
PROP. R.O.W.
FUTURE POSSIBLE ENTRANCE LOCATION BY OTHERS
HOSPITAL SOUTH ACCESS
MONTROSE ROAD
OGS 1
HW 1
R=15.0m
300Ø CB LEAD
CB 44
STM MH 44
825mmØ CONC STM.
200Ø CB LEAD
CB 46
STM MH 46A
27.3m - 450mmØ CONC STM. @ 0.29%
CB 43
CB 48
T/G: 177.17
W INV=176.00
750mmØ CONC STM
CB 47
T/G: 177.21
E INV=176.00
CB 50
STM MH 50A
CB 49
CB 52
T/G: 178.61
W INV=177.20
CB 51
T/G: 178.45
E INV=177.00
13+920
13+940
13+960
13+980
14+000
14+020
14+040
14+060
14+080
14+100
14+120
14+140
14+160
14+180
0.55%
PVI STA = 14+060.00
ELEV = 177.570
1.50%
PVI STA = 14+133.23
ELEV = 178.668
EX. 375mmø Reinforced Concrete SAN. 123.19m at −0.19%
EX. 375mmø Reinforced Concrete SAN. 110.60m at −0.29%
176.31
176.52
176.70
176.91
176.99
177.02
177.04
177.09
177.11
177.13
177.17
177.19
177.23
177.34
177.45
177.57
177.72
177.89
178.10
178.29
178.47
178.59
178.69
178.79
178.93
179.08
179.23
13+920
13+930
13+940
13+950
13+960
13+970
13+980
13+990
14+000
14+010
14+020
14+030
14+040
14+050
14+060
14+070
14+080
14+090
14+100
14+110
14+120
14+130
14+140
14+150
14+160
14+170
14+180
176.31 176.806
176.52 176.861
176.70 176.915
176.91 176.970
176.99 177.024
177.02 177.079
177.04 177.133
177.09 177.188
177.11 177.242
177.13 177.297
177.17 177.352
177.19 177.406
177.23 177.461
177.34 177.515
177.45 177.570
177.57 177.720
177.72 177.870
177.89 178.020
178.10 178.170
178.29 178.320
178.47 178.470
178.59 178.620
178.69 178.701
178.79 178.751
178.93 178.801
179.08 178.850
179.23 178.900

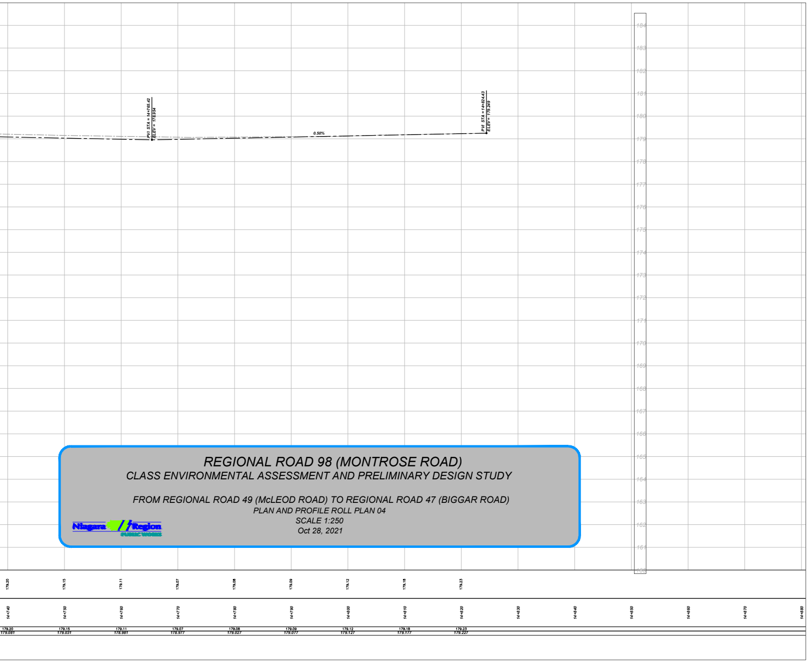

PROP. WORKING EASEMENT
PROP. GRADING LIMIT
EXISTING. R.O.W.
PROP. R.O.W.
LYONS CREEK ROAD
MONTROSE ROAD
MONTROSE ROAD
EXISTING R.O.W.
PROP. WORKING EASEMENT
PROP. R.O.W.
PROP. GRADING LIMIT
DCB 54
DCB 53
300Ø CB LEAD
300Ø CB LEAD
STM MH 54A
STM MH 58A
CB 56
T/G: 179.07
W INV=177.66
CB 55
T/G: 179.11
E INV=177.70
CB 58
CB 57
200Ø CB LEAD
750mmØ CONC STM
CB 60
T/G: 179.79
W INV=178.40
CB 59
T/G: 179.65
E INV=178.25
CB 62
CB 61
CB 97
200Ø CB LEAD
R=15.0m
R=10m
R=0.5m
TEE
BEND
PROP. 300mmØ PVC SAN.
PROP. SAN. 08
14+200
14+220
14+240
14+260
14+280
14+300
14+320
14+340
14+360
14+380
14+400
14+420
14+440
14+460
Mid. 49+99.69
1.00m
1.50m
3.50m
3.50m
2.00m
3.50m
3.50m
3.50m
3.50m
1.75m
4.00m
4.00m
3.50m
2.00m
PROP. C/L PROFILE
EXISTING C/L PROFILE
0.50%
PVI STA = 14+418.92
ELEV = 180.083
LYONS CREEK
EX. 250mm# Reinforced Concrete SAN. 34.29m at -1.22%
EX. 300mm# Reinforced Concrete SAN. 90.70m at -0.50%
EX. 300mm# Reinforced Concrete SAN. 103.36m at -0.33%
mm# Reinforced Concrete SAN. 98.82m at -0.25%
179.34 179.42 179.49 179.56 179.62 179.70 179.77 179.81 179.83 179.83 179.86 179.91 179.95 179.97 179.98 179.99 180.02 180.02 180.02 180.01 180.00 179.99 179.97 179.96 179.93 179.89 179.89 179.92 179.90
14+190 14+200 14+210 14+220 14+230 14+240 14+250 14+260 14+270 14+280 14+290 14+300 14+310 14+320 14+330 14+340 14+350 14+360 14+370 14+380 14+390 14+400 14+410 14+420 14+430 14+440 14+450 14+460 14+470
179.34 179.42 179.49 179.56 179.62 179.70 179.77 179.81 179.83 179.83 179.86 179.91 179.95 179.97 179.98 179.99 180.02 180.02 180.02 180.01 180.00 179.99 179.97 179.96 179.93 179.89 179.89 179.92 179.90
178.949 178.999 179.048 179.098 179.147 179.197 179.246 179.296 179.345 179.395 179.444 179.494 179.543 179.593 179.642 179.692 179.741 179.791 179.841 179.890 179.940 179.989 180.039 180.077 180.028 179.978 179.928 179.878 179.828


49.61
MONTROSE ROAD
CB 98
T/G: 179.78
N INV=177.91
200Ø
CB LEAD
525mmØ CONC STM
R=10m
R=0.5m
R=15.0m
CB 66
T/G: 179.34
W INV=177.80
300Ø
CB LEAD
4.00m
3.50m
3.50m
3.50m
3.50m
3.50m
2.00m
DCB 68
200Ø
CB LEAD
STM MH 68A
450mmØ CONC STM
STM MH 6A
375mmØ PVC STM
375mmØ PVC STM
CB 14
200Ø
CB LEAD
STM MH 14A
14+480
14+500
14+520
14+540
14+560
14+580
14+600
14+620
14+640
14+660
14+680
14+700
14+720
R=0.5m
300Ø
CB LEAD
R=10m
200Ø
CB LEAD
200Ø
CB LEAD
CB 13
CB 65
T/G: 179.52
E INV=178.00
DCB 67
MONTROSE ROAD
MONTROSE ROAD
450mmØ CONC STM
R=15.0m
#10215
#10215
#10215
#10215
CB 96
200Ø
CB LEAD
3.50m
2.90m
3.50m
3.50m
3.50m
2.00m
1.80m


-0.50%
PVI STA = 14+530.00
ELEV = 179.529
0.50%
PVI STA = 14+590.00
ELEV = 179.828
-0.50%

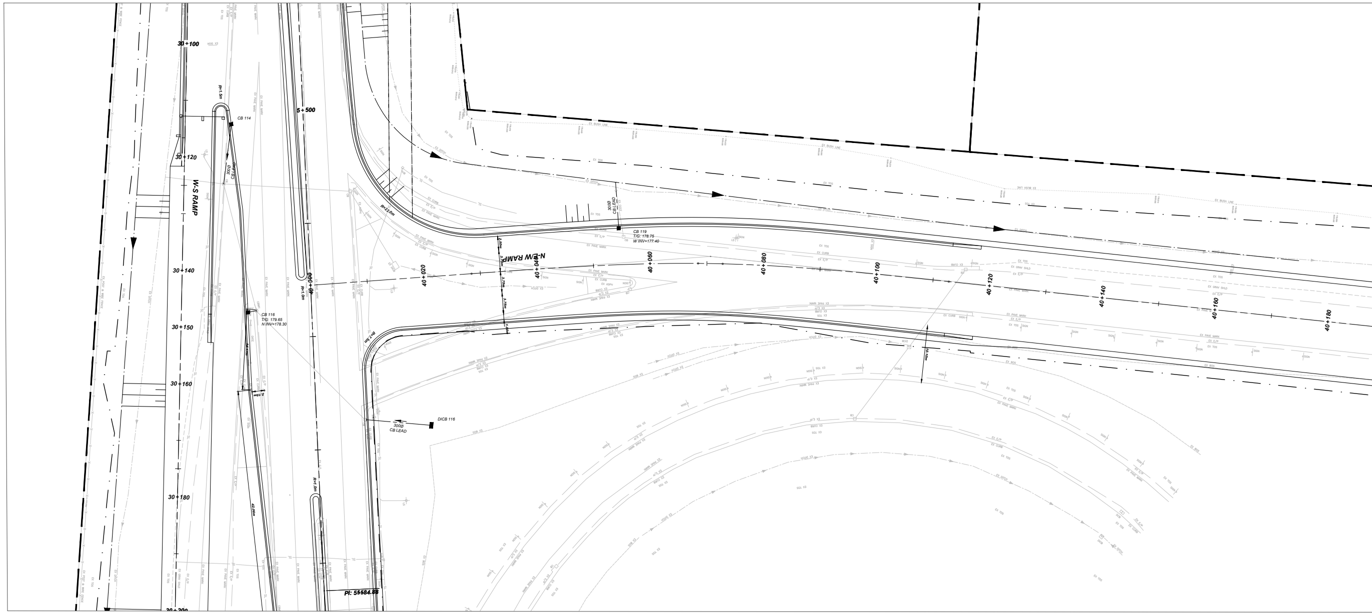
179.84	179.79	179.78	179.77	179.75	179.73	179.71	179.69	179.66	179.67	179.67	179.68	179.69	179.69	179.69	179.71	179.73	179.69	179.63	179.56	179.50	179.45	179.40	179.35	179.31	179.26
14+480	14+490	14+500	14+510	14+520	14+530	14+540	14+550	14+560	14+570	14+580	14+590	14+600	14+610	14+620	14+630	14+640	14+650	14+660	14+670	14+680	14+690	14+700	14+710	14+720	14+730
179.84	179.79	179.78	179.77	179.75	179.73	179.71	179.69	179.66	179.67	179.67	179.68	179.69	179.69	179.69	179.71	179.73	179.69	179.63	179.56	179.50	179.45	179.40	179.35	179.31	179.26
179.778	179.729	179.679	179.629	179.579	179.529	179.579	179.629	179.679	179.729	179.778	179.828	179.778	179.729	179.679	179.629	179.579	179.529	179.480	179.430	179.380	179.330	179.280	179.230	179.181	179.131


N
14+740
14+760
14+780
14+800
14+820
14+824
#10303
EX BUSH LINE
EX POST & WIRE FENCE
EX TOS
EX DITCH
EX GRAV SHLD
EX E/P
EX PAVE MARK
EX C/L
EX CULV
EX GATE
EX C-L FENCE
EX CONC
POST

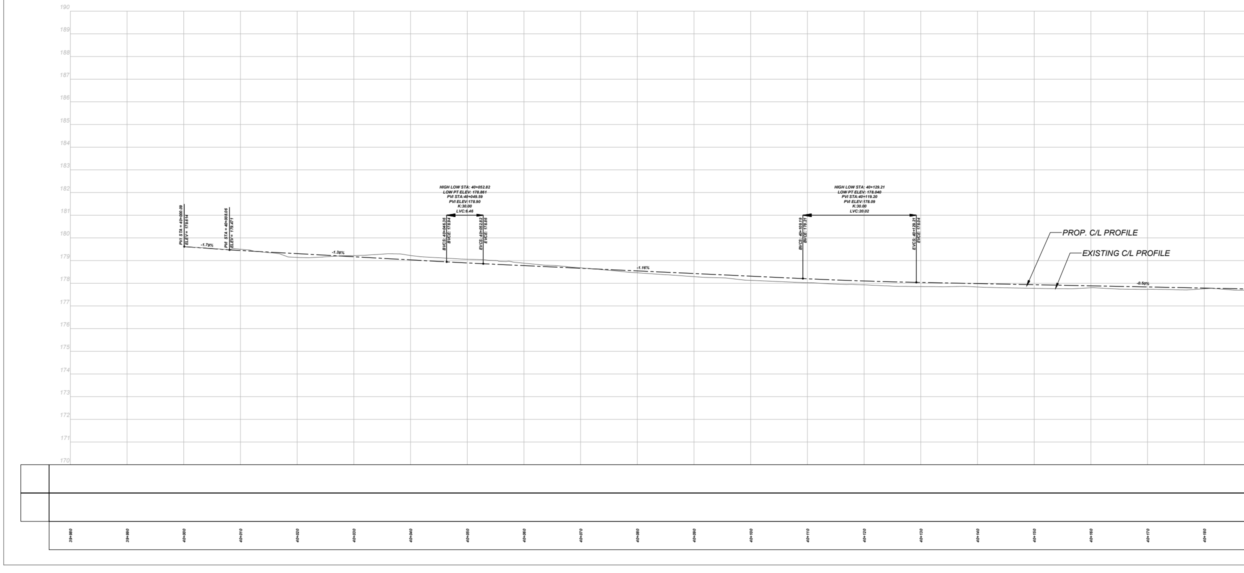


REGIONAL ROAD 98 (MONTROSE ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM REGIONAL ROAD 49 (McLEOD ROAD) TO REGIONAL ROAD 47 (BIGGAR ROAD)
PLAN AND PROFILE ROLL PLAN 04
SCALE 1:250
Oct 28, 2021


30+100
30+120
30+140
30+150
30+160
30+180
30+200
W-S RAMP
N-E/W RAMP
5+500
CB 114
300Ø CB LEAD
CB 119
T/G: 178.75
W INV=177.40
CB 116
T/G: 179.65
N INV=178.30
DICB 116
300Ø CB LEAD
R=22.0m
R=7.5m
R=1.0m
2.50m
3.75m
3.75m
1.00m
2.19m
42.06m
40+000
40+020
40+040
40+060
40+080
40+100
40+120
40+140
40+160
40+180
PI: 55584.88

Prop_N-EW Ramp PROFILE



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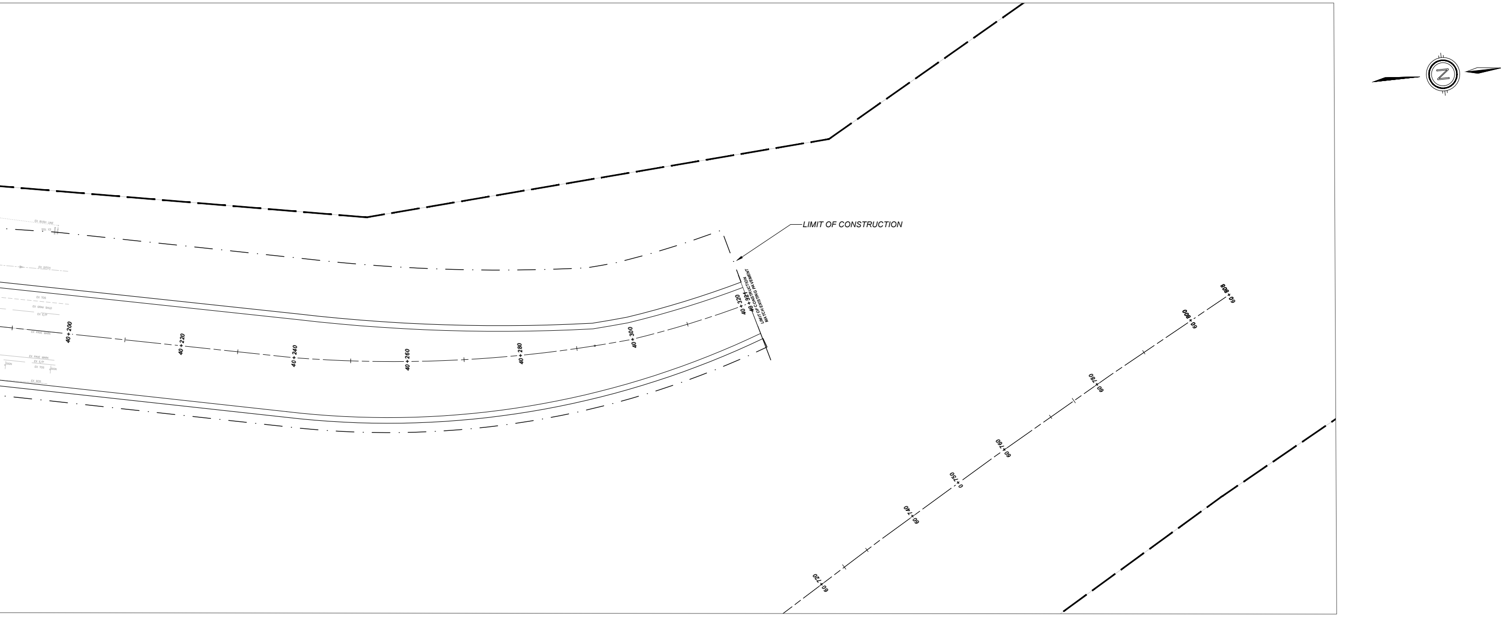
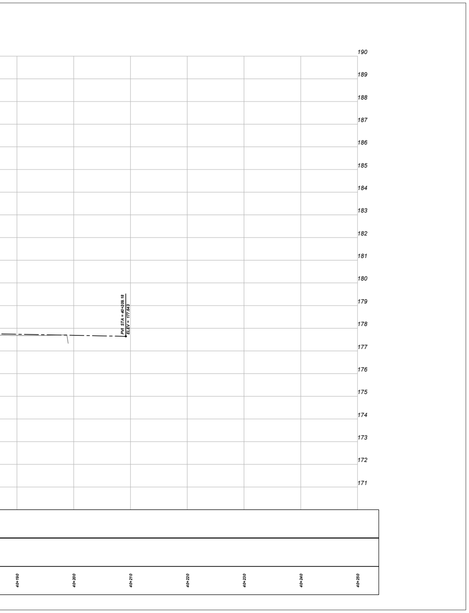
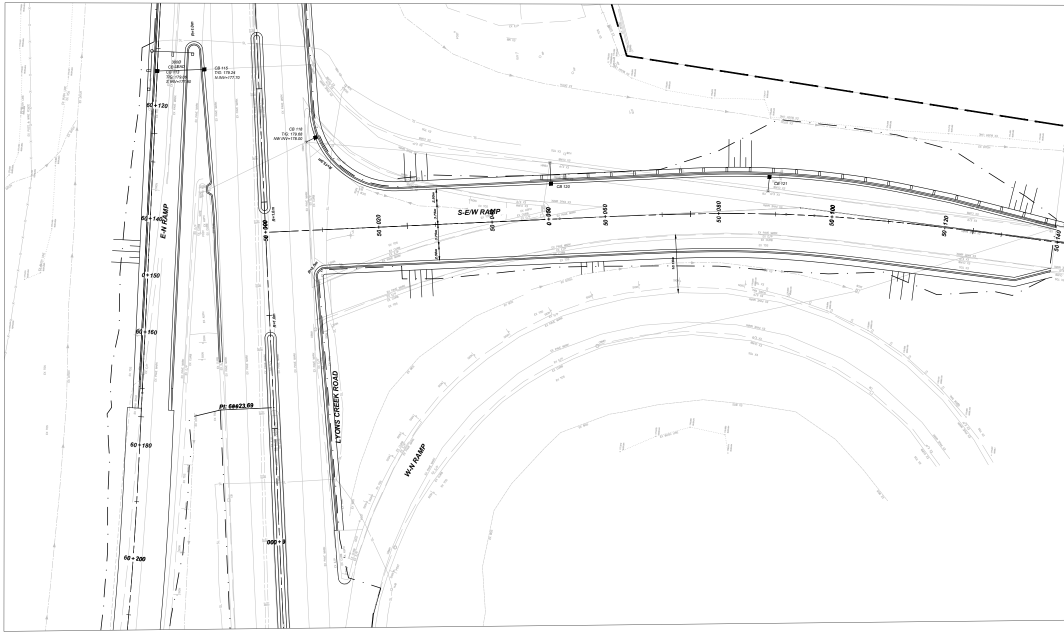
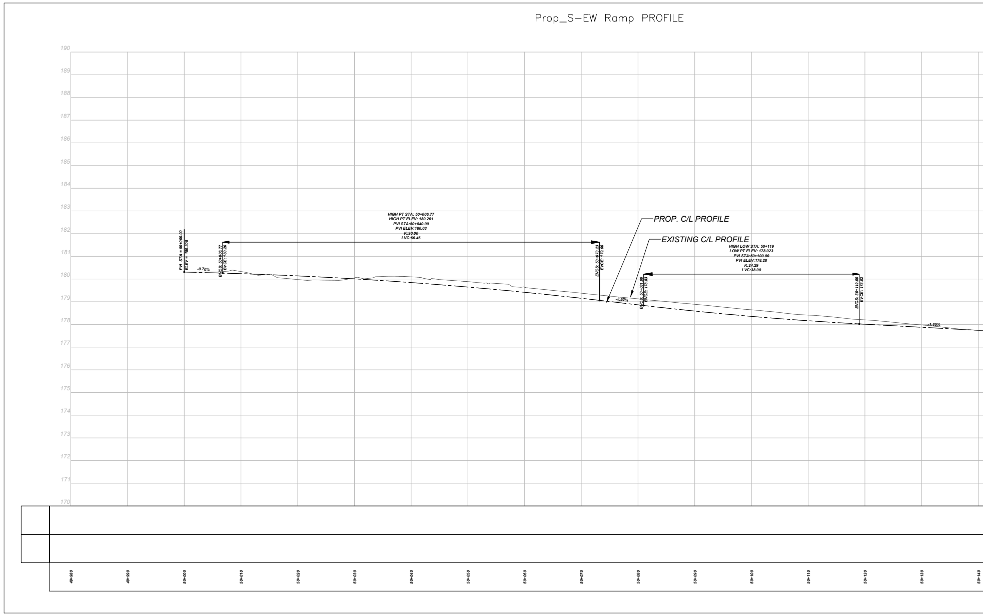
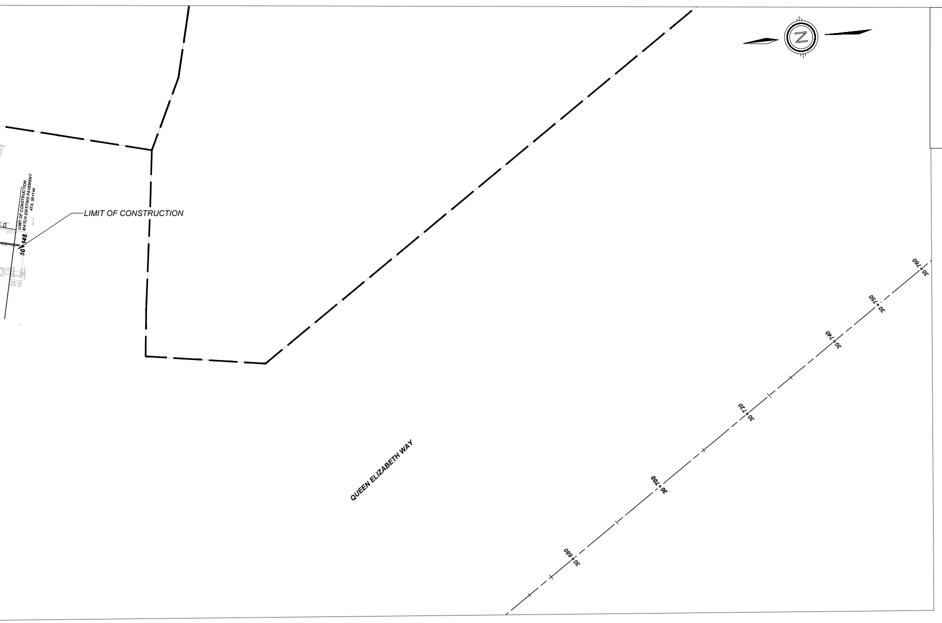

LIMIT OF CONSTRUCTION
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
40 + 321
40 + 200
40 + 220
40 + 240
40 + 260
40 + 280
40 + 300
40 + 320
60 + 720
60 + 740
0 + 750
60 + 760
60 + 780
60 + 800
60 + 808


PVI STA = 40+209.18
ELEV = 177.643
190
189
188
187
186
185
184
183
182
181
180
179
178
177
176
175
174
173
172
171
40+190
40+200
40+210
40+220
40+230
40+240
40+250


R=1.0m
300Ø
CB LEAD
CB 113
T/G: 179.06
S INV=177.80
CB 115
T/G: 179.24
N INV=177.70
CB 118
T/G: 179.68
NW INV=178.00
R=15.0m
60+120
60+140
E-N RAMP
0+150
60+160
PI: 60+23.69
60+180
60+200
CB 120
CB 121
S-E/W RAMP
50+000
50+020
50+040
0+050
50+060
50+080
50+100
50+120
50+140
LYONS CREEK ROAD
W-N RAMP
000+9

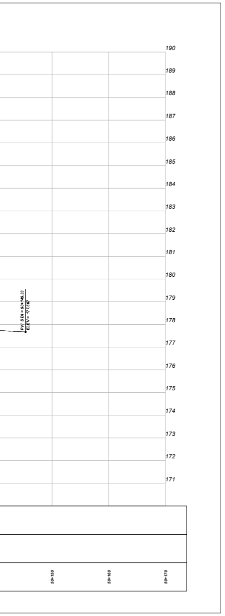

Prop_S–EW Ramp PROFILE

190
189
188
187
186
185
184
183
182
181
180
179
178
177
176
175
174
173
172
171
170
PVI STA = 50+000.00
ELEV = 180.308
-0.70%
BVCS: 50+006.77
BVCE: 180.26
HIGH PT STA: 50+006.77
HIGH PT ELEV: 180.261
PVI STA:50+040.00
PVI ELEV:180.03
K:30.00
LVC:66.46
EVCS: 50+073.23
EVCE: 179.06
PROP. C/L PROFILE
EXISTING C/L PROFILE
-2.92%
BVCS: 50+081.00
BVCE: 178.83
HIGH LOW STA: 50+119
LOW PT ELEV: 178.023
PVI STA:50+100.00
PVI ELEV:178.28
K:24.29
LVC:38.00
EVCS: 50+119.00
EVCE: 178.02
-1.35%
49+980
49+990
50+000
50+010
50+020
50+030
50+040
50+050
50+060
50+070
50+080
50+090
50+100
50+110
50+120
50+130
50+140


N
LIMIT OF CONSTRUCTION
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
4TA. 50+144
50+145
QUEEN ELIZABETH WAY
30+760
30+750
30+740
30+720
30+700
30+680

LEGEND

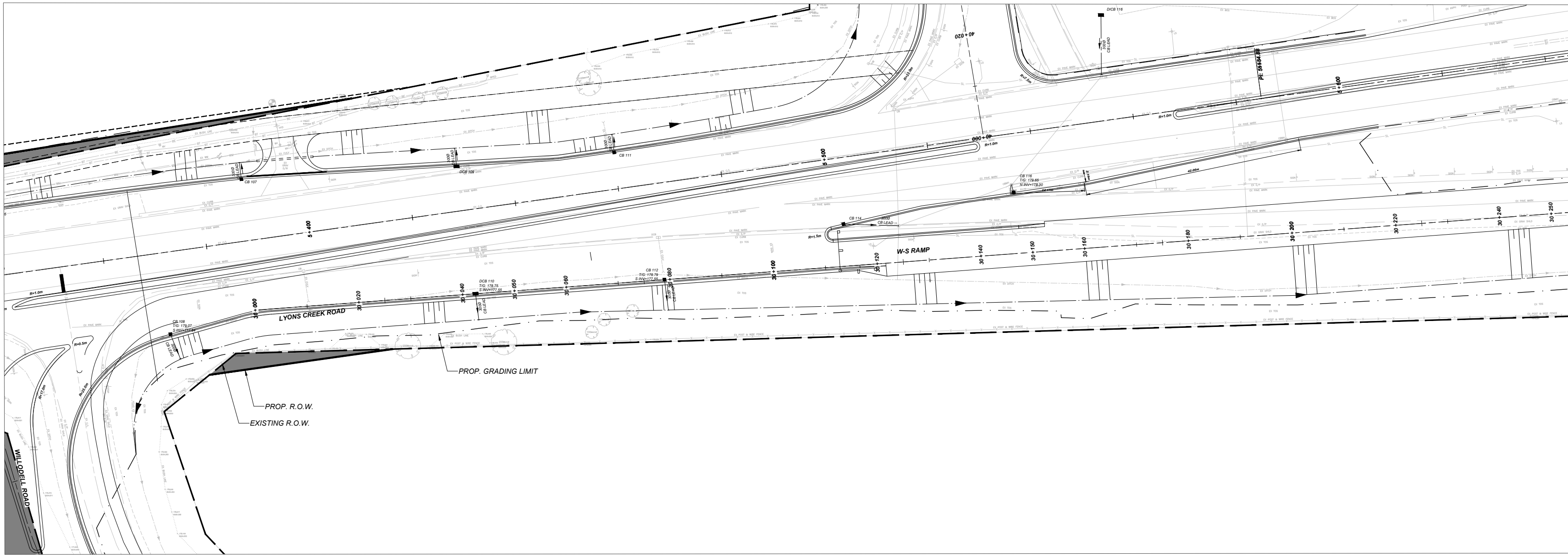
— — — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - - - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
▨	PROPOSED ADDITIONAL ROAD ALLOWANCE

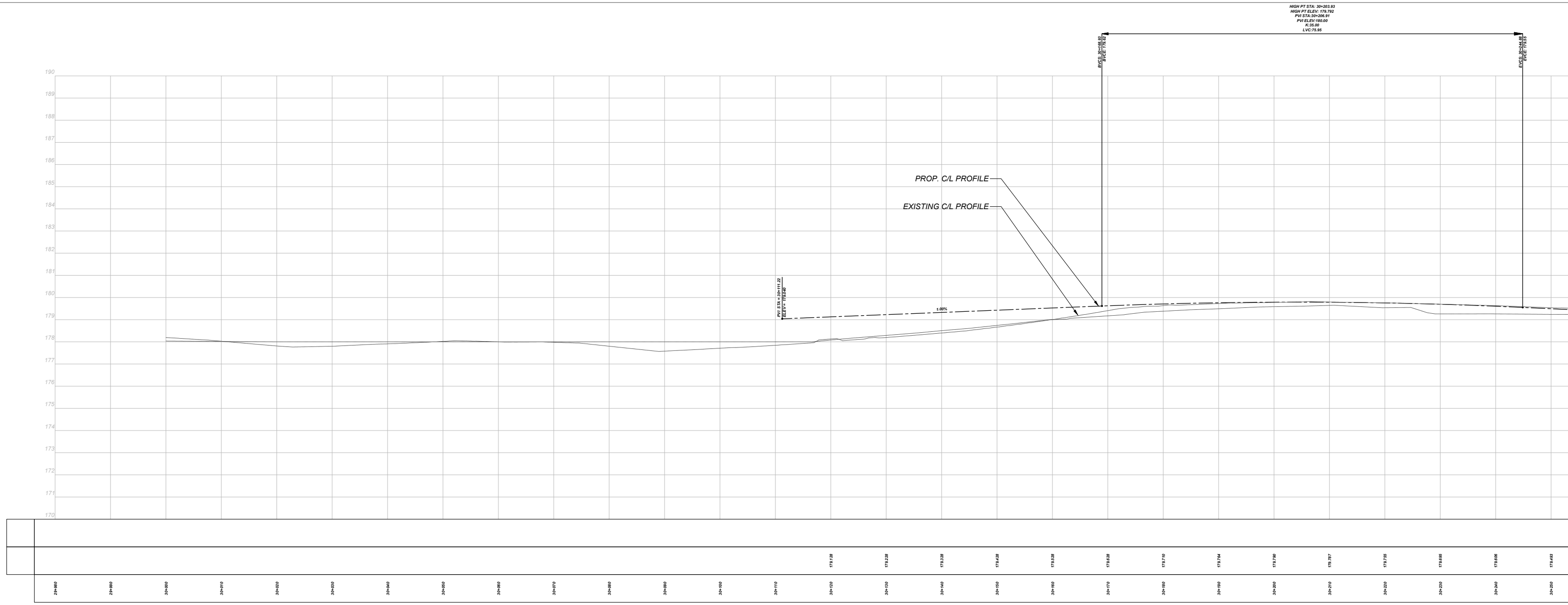


REGIONAL ROAD 47 (LYONS CREEK ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM 200M EAST OF REGIONAL ROAD 98 (MONTROSE ROAD) TO EAST OF Q.E.W
PLAN AND PROFILE ROLL PLAN 05
SCALE 1:250
Oct 28, 2021

Niagara Region
PUBLIC WORKS


DICB 116
300Ø
CB LEAD
40 + 020
R=7.5m
R=23.0m
PI: 55584.88
5 + 600
R=1.0m
40 + 000
R=1.0m
5 + 500
5 + 400
CB 116
T/G: 179.65
N INV=178.30
14.17m
2.18m
42.06m
CB 114
300Ø
CB LEAD
R=1.5m
W-S RAMP
CB 107
DCB 109
CB 111
R=1.0m
LYONS CREEK ROAD
CB 108
T/G: 179.07
S INV=177.84
300Ø
CB LEAD
DCB 110
T/G: 178.75
S INV=177.55
CB 112
T/G: 178.79
S INV=177.55
30 + 000
30 + 020
30 + 040
30 + 050
30 + 060
30 + 080
30 + 100
30 + 120
30 + 140
30 + 150
30 + 160
30 + 180
30 + 200
30 + 220
30 + 240
30 + 250
R=0.5m
R=17.0m
R=25.0m
WILLODELL ROAD
PROP. GRADING LIMIT
PROP. R.O.W.
EXISTING R.O.W.



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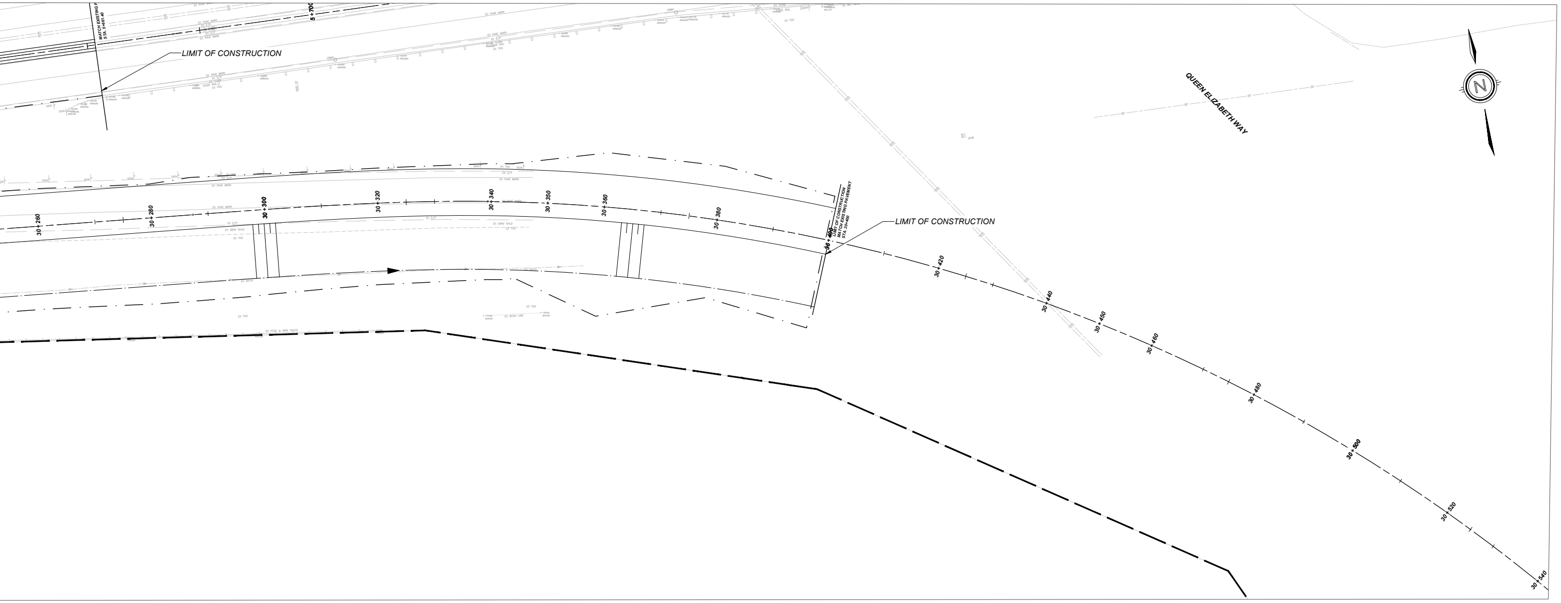
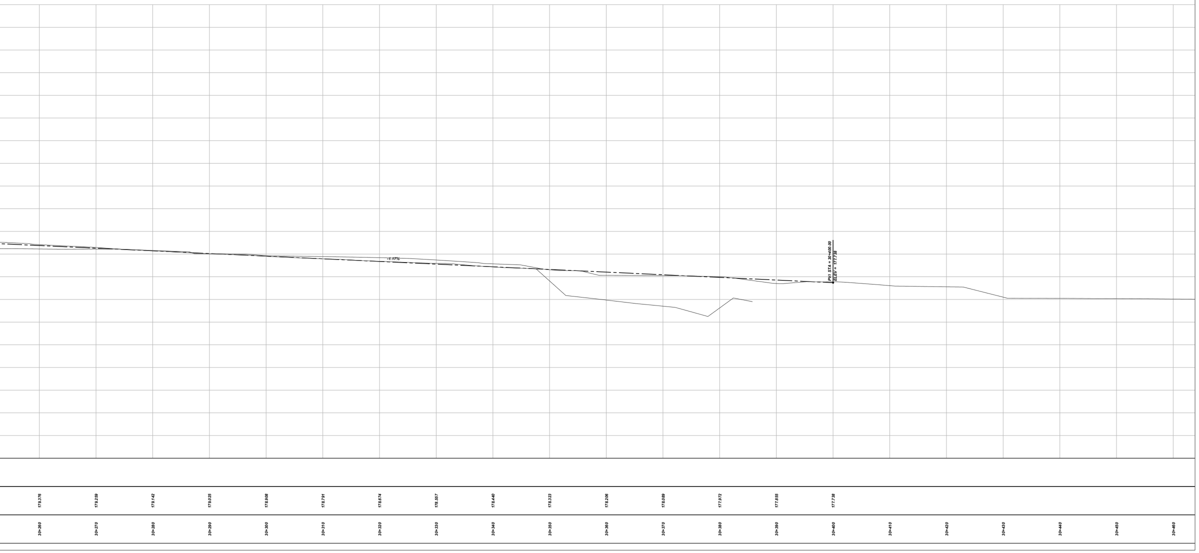
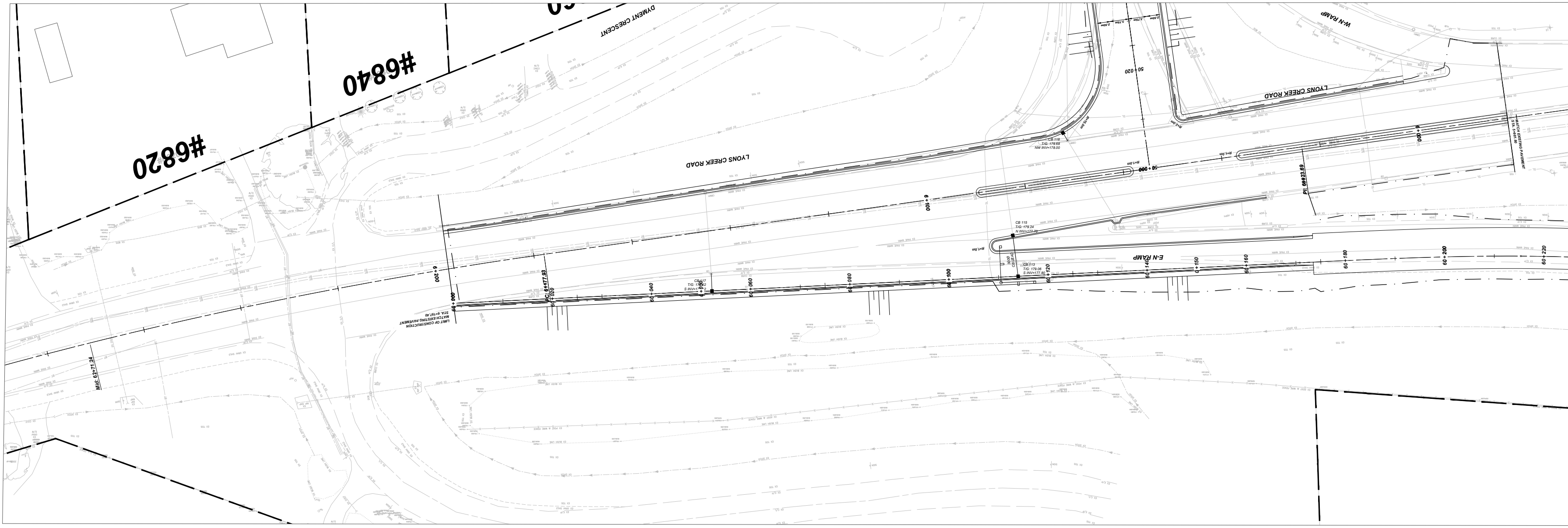
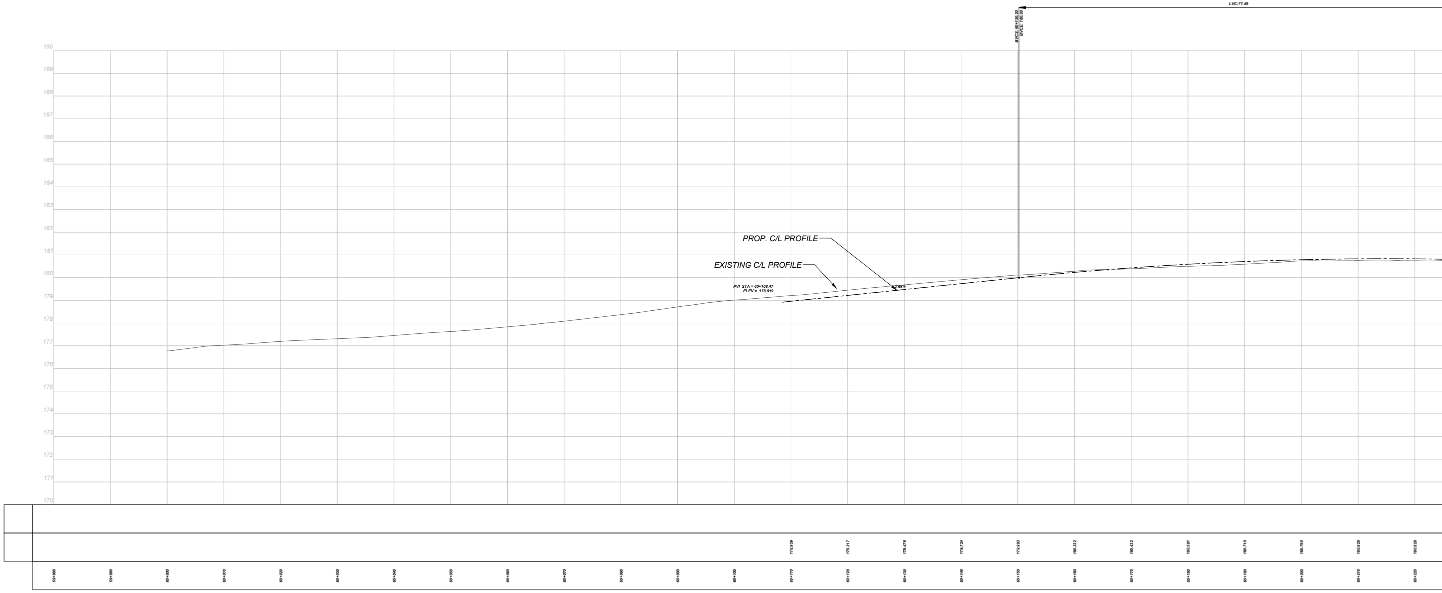
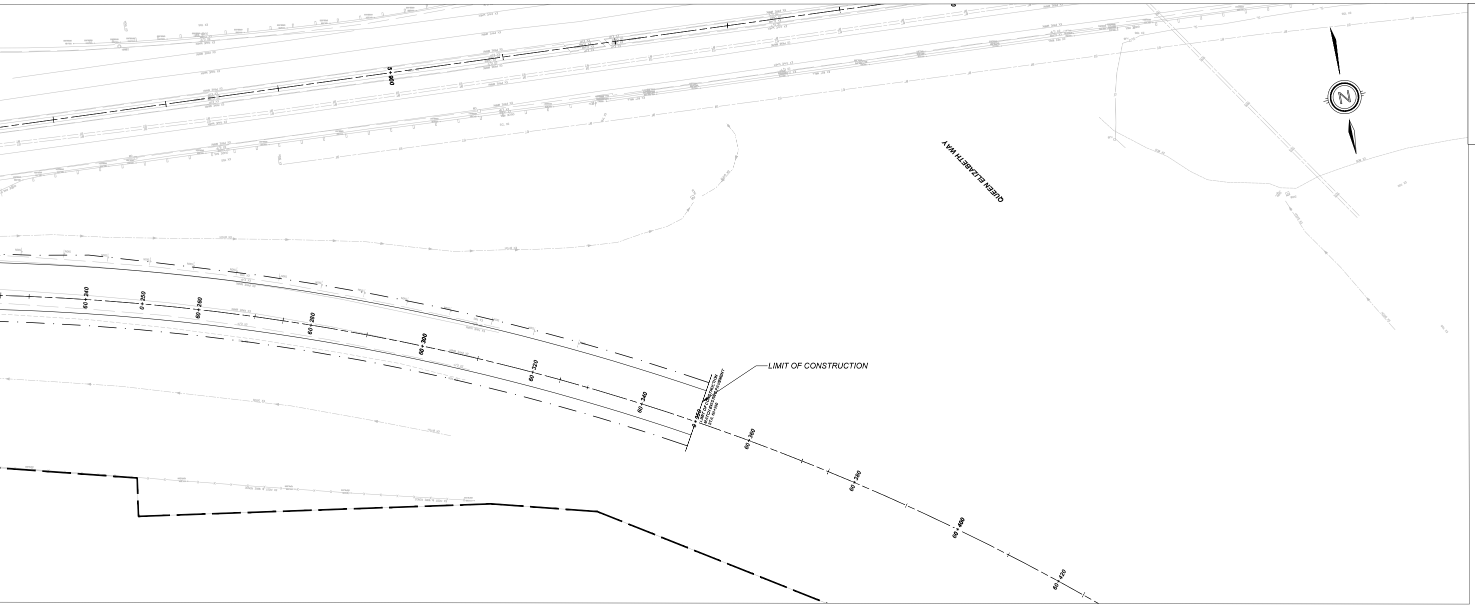

MATCH EXISTING P
STA. 5+661.40
5+700
LIMIT OF CONSTRUCTION
QUEEN ELIZABETH WAY
N
30+260
30+280
30+300
30+320
30+340
30+350
30+360
30+380
30+400
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 30+400
LIMIT OF CONSTRUCTION
30+420
30+440
30+450
30+460
30+480
30+500
30+520
30+540
EX PAVE MARK
EX E/P
EX CURB
GUIDE RAIL
EX TOS
BT
SIGN

Prop_W-S Ramp PROFILE



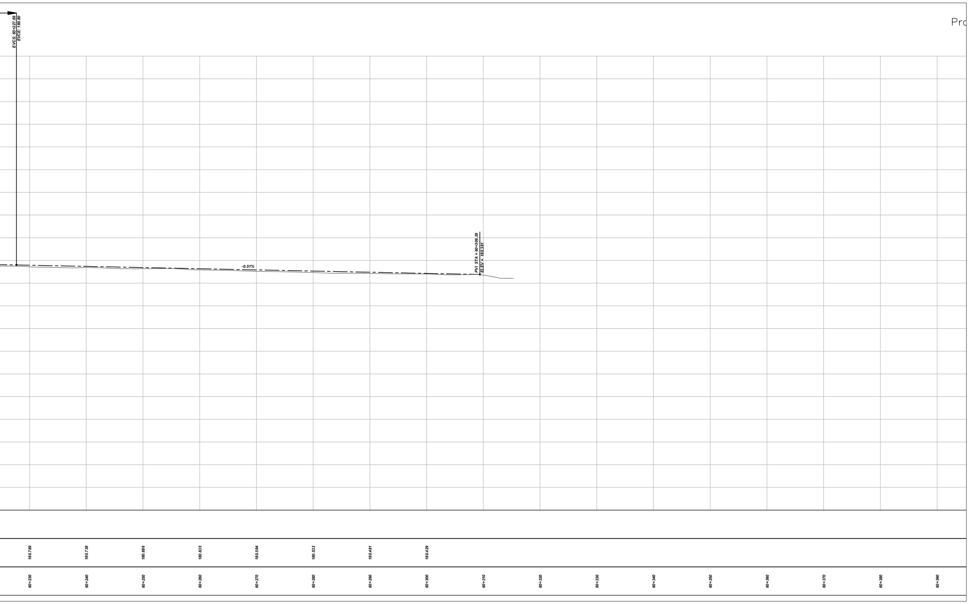

#6820
#6840
DYMENT CRESCENT
LYONS CREEK ROAD
LYONS CREEK ROAD
W-N RAMP
E-N RAMP
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 6+197.40
MATCH EXISTING PAVEMENT
STA. 5+981.80
6+200
6+000
6+100
50+000
50+020
PC: 61+77.93
PI: 60023.69
MId: 62+71.24
CB 118
T/G: 179.68
NW INV=178.00
CB 115
T/G: 179.24
N INV=177.70
CB 113
T/G: 179.06
S INV=177.80
CB 117
T/G: 17?.?2
S INV=17?.?2
300Ø
CB LEAD
R=15.0m
R=2.0m
R=1.0m
R=1.0m
R=1.0m
60+000
60+020
60+040
60+050
60+060
60+080
60+100
60+120
60+140
0+150
60+160
60+180
60+200
60+220




5+900
QUEEN ELIZABETH WAY
60+240
0+250
60+260
60+280
60+300
60+320
60+340
0+350
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
STA. 60+350
LIMIT OF CONSTRUCTION
60+360
60+380
60+400
60+420

LEGEND

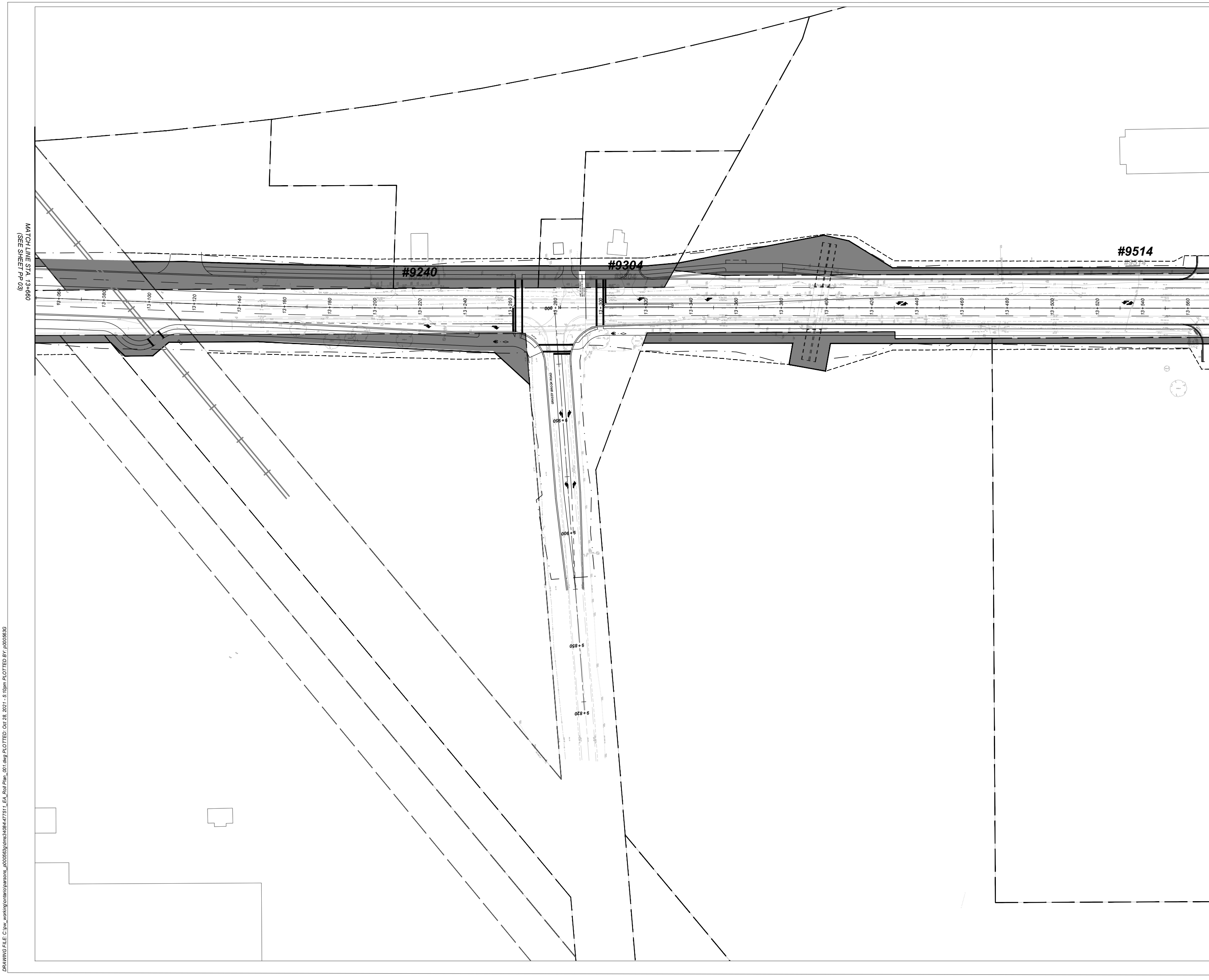
— — —	EXISTING PROPERTY LINE
———	PROPOSED R.O.W.
- - - - -	PROPOSED WORKING EASEMENT
— · — · —	PROPOSED GRADING LIMIT
▇	PROPOSED ADDITIONAL ROAD ALLOWANCE



REGIONAL ROAD 47 (LYONS CREEK ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM 200M EAST OF REGIONAL ROAD 98 (MONTROSE ROAD) TO EAST OF Q.E.W
PLAN AND PROFILE ROLL PLAN 05
SCALE 1:250
Oct 28, 2021

Niagara Region
PUBLIC WORKS


MATCH LINE STA. 13+660
(SEE SHEET PP 03)
#9240
#9304
#9514
13+060
13+080
13+100
13+120
13+140
13+160
13+180
13+200
13+220
13+240
13+260
13+280
000
13+300
13+320
13+340
13+360
13+380
13+400
13+420
13+440
13+460
13+480
13+500
13+520
13+540
13+560
GRASSY BROOK ROAD
9+950
9+900
9+850
9+820

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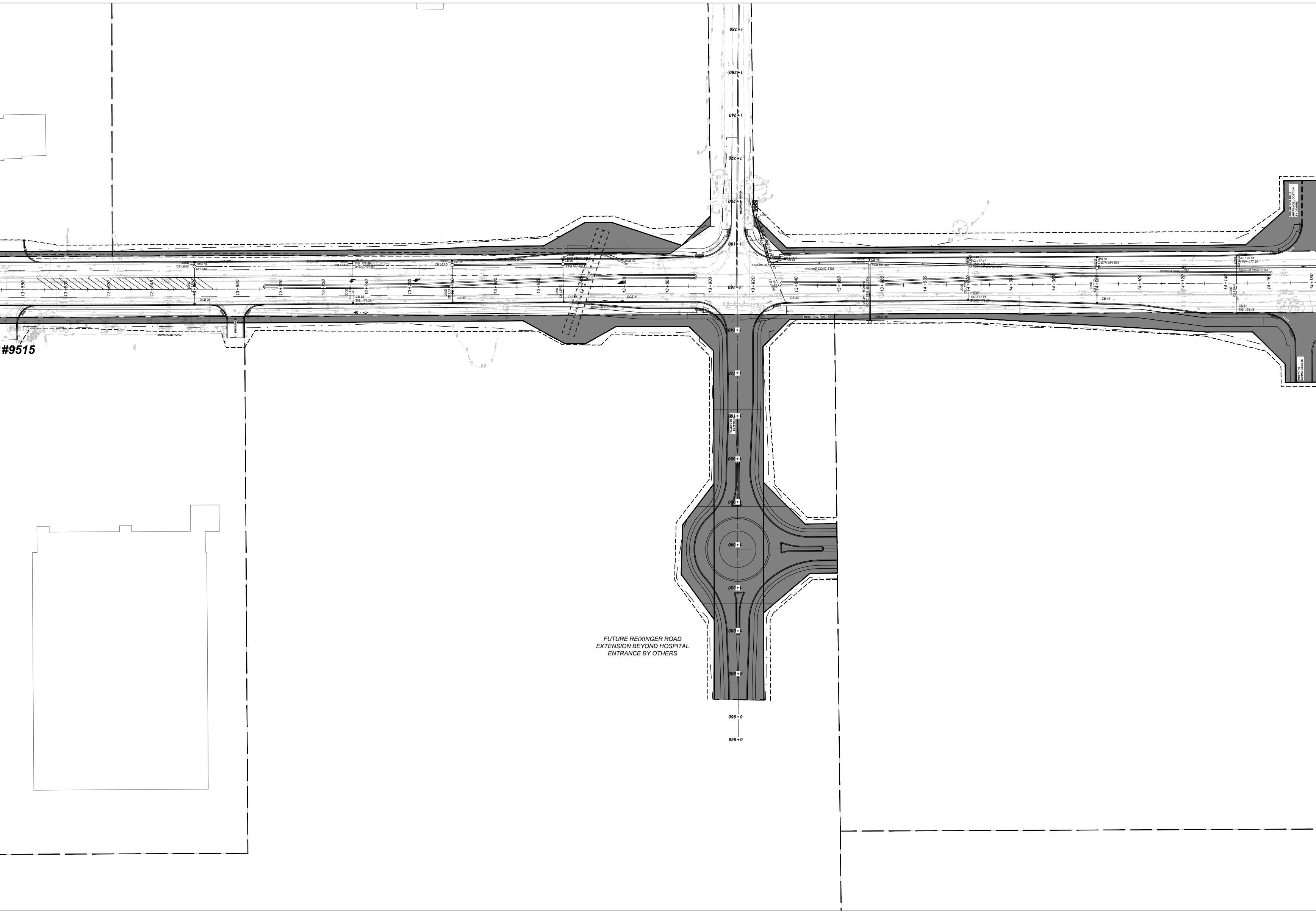
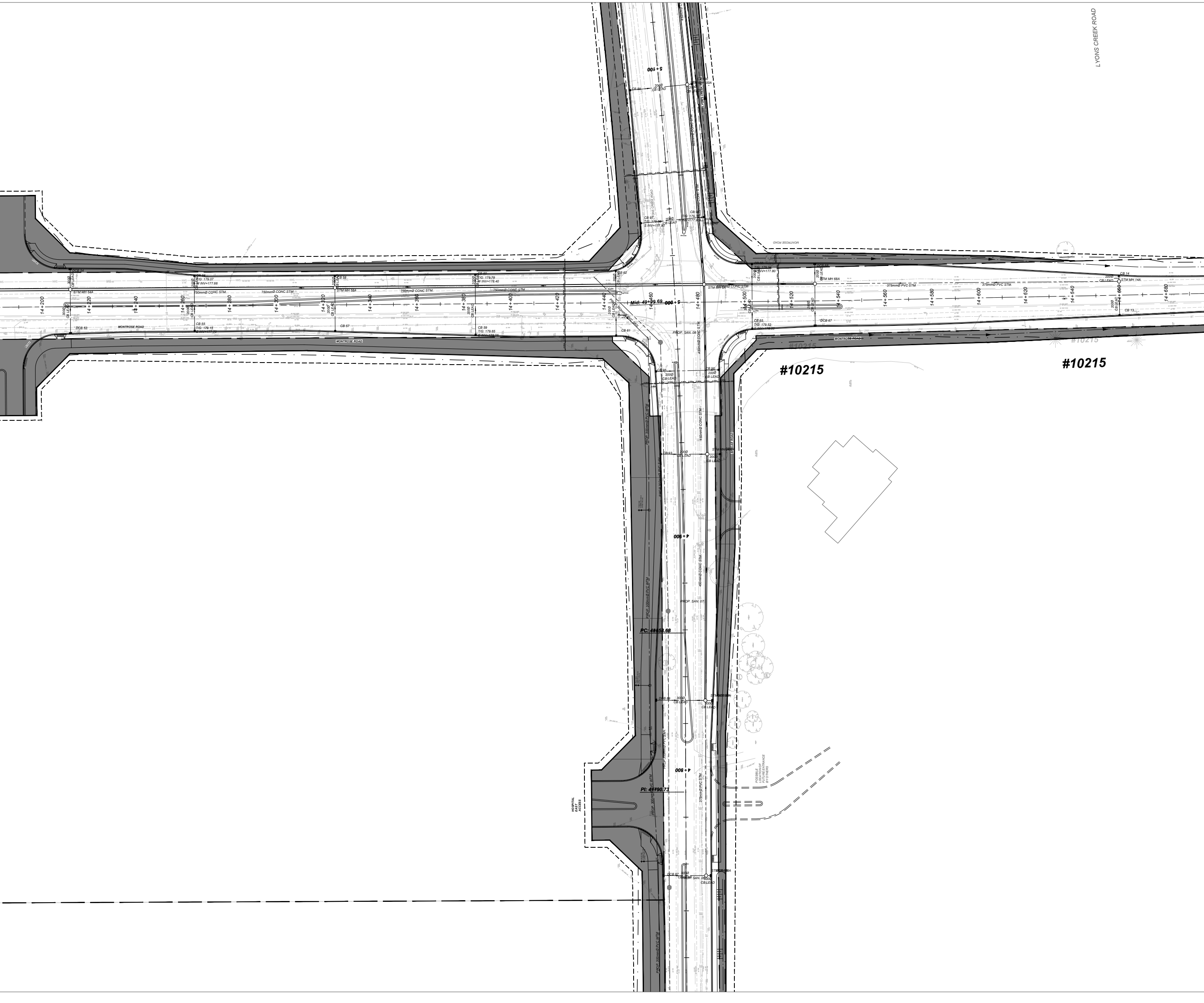
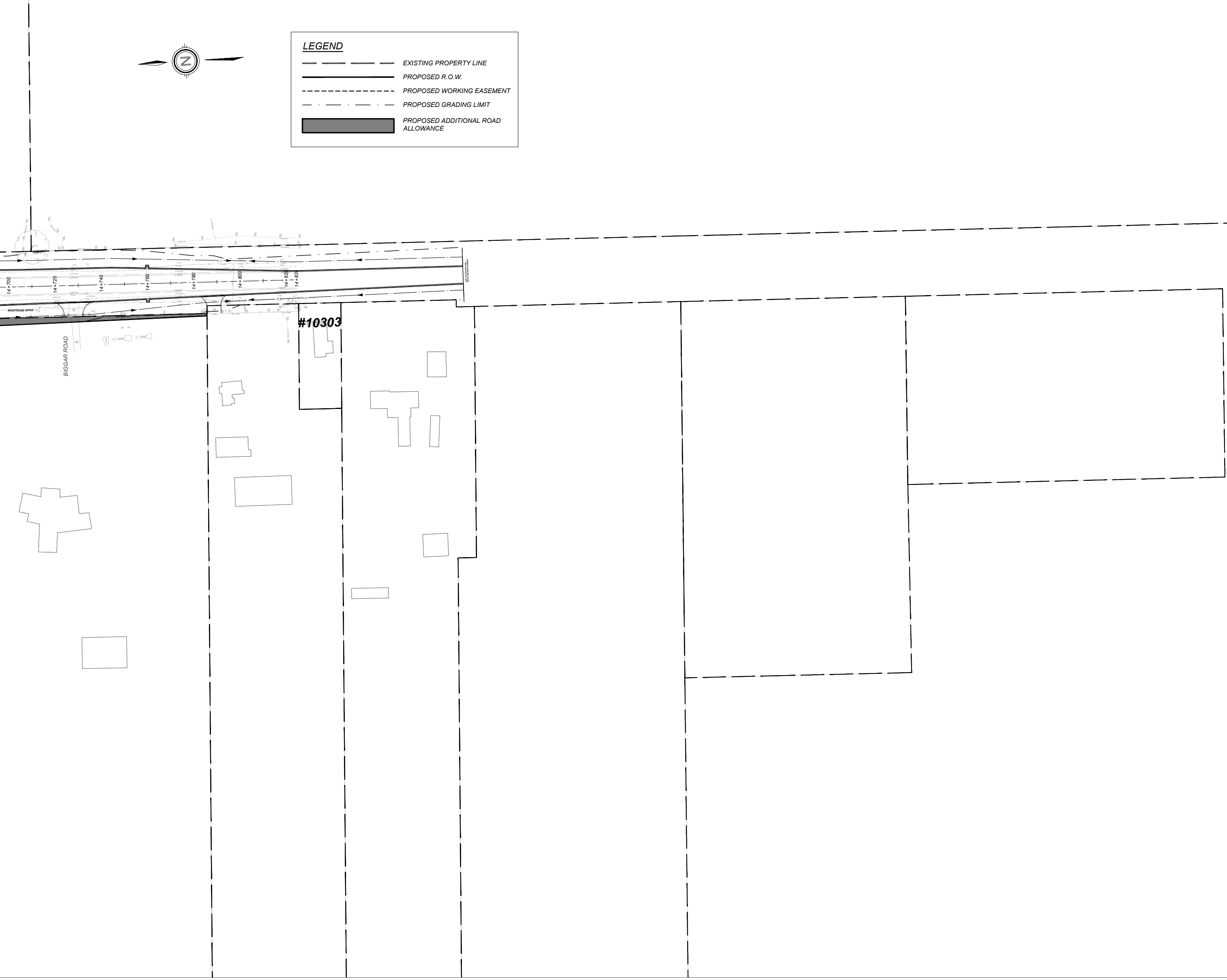


#9515
MONTROSE ROAD
ENTRANCE
REIXINGER ROAD
REIXINGER EXTENSION
13+580
13+600
13+620
13+640
13+660
13+680
13+700
13+720
13+740
13+760
13+780
13+800
13+820
13+840
13+860
13+880
13+900
13+920
13+940
13+960
13+980
14+000
14+020
14+040
14+060
14+080
14+100
14+120
14+140
14+160
14+180
1+280
1+260
1+240
1+220
1+200
1+180
1+160
1+140
1+120
1+100
1+080
1+060
1+040
1+020
1+000
0+980
0+960
0+949
300Ø CB LEAD
DCB 34
MH 34A
DCB 33
375mmØ PVC STM
200Ø CB LEAD
CB 36
T/G: 177.29
W INV=175.80
CB 35
T/G: 177.32
CB 37
CB 38
STM MH 38A
CB 39
CB 40
STM MH 40A
DCB 41
DCB 42
300mmØ PVC STM
HW-1
OGS 1
STM MH 44
CB 43
CB 44
825mmØ CONC STM
CB 46
STM MH 46A
CBMH 45
CB 47
T/G: 177.21
CB 48
T/G: 177.17
CB 49
CB 50
STM MH 50A
750mmØ CONC STM
CB 51
T/G: 178.45
CB 52
T/G: 178.61
W INV=177.20
FUTURE POSSIBLE ENTRANCE LOCATION BY OTHERS
HOSPITAL SOUTH ACCESS

FUTURE REIXINGER ROAD
EXTENSION BEYOND HOSPITAL
ENTRANCE BY OTHERS


LYONS CREEK ROAD
MONTROSE ROAD
MONTROSE ROAD
MONTROSE ROAD
14+200
14+220
14+240
14+260
14+280
14+300
14+320
14+340
14+360
14+380
14+400
14+420
14+440
14+460
14+480
14+500
14+520
14+540
14+560
14+580
14+600
14+620
14+640
14+660
14+680
Mid: 49+99.69
5+000
5+100
4+900
4+800
PC: 48853.68
PI: 47790.73
DCB 54
300Ø CB LEAD
STM MH 54A
DCB 53
CB 56
T/G: 179.07
W INV=177.66
CB 55
T/G: 179.11
E INV=177.70
CB 58
STM MH 58A
CB 57
750mmØ CONC STM.
750mmØ CONC STM.
750mmØ CONC STM.
750mmØ CONC STM.
CB 60
T/G: 179.79
W INV=178.40
CB 59
T/G: 179.65
E INV=178.25
200Ø CB LEAD
CB 62
CB 61
PROP. 300mmØ PVC SAN.
CB 97
T/G: 179.56
S INV=177.90
CB 98
T/G: 179.70
N INV=177.90
CB 66
T/G: 179.34
W INV=177.80
DCB 68
STM MH 68A
STM MH 6A
450mmØ CONC STM.
375mmØ PVC STM.
375mmØ PVC STM.
CB 14
STM MH 14A
CB 13
CB 65
T/G: 179.52
E INV=178.00
DCB 67
PROP. SAN. 08
CB 95
CB 96
#10215
#10215
#10215
#10215
PROP. 300mmØ PVC WTM
CB 93
PROP. SAN. 07
DCB 89
300Ø CB LEAD
STM MH 89A
PROP. 300mmØ PVC SAN.
375mmØ PVC STM.
HOSPITAL EAST ACCESS
POSSIBLE LOCATION OF FUTURE ENTRANCE BY OTHERS
DCB 87
STM MH 88A
PROP. SAN. 06


N
LEGEND
EXISTING PROPERTY LINE
PROPOSED R.O.W.
PROPOSED WORKING EASEMENT
PROPOSED GRADING LIMIT
PROPOSED ADDITIONAL ROAD ALLOWANCE
14+700
14+720
14+740
14+760
14+780
14+800
14+820
14+824
MONTROSE ROAD
BIGGAR ROAD
LIMIT OF CONSTRUCTION
MATCH EXISTING PAVEMENT
#10303

REGIONAL ROAD 98 (MONTROSE ROAD)
CLASS ENVIRONMENTAL ASSESSMENT AND PRELIMINARY DESIGN STUDY

FROM REGIONAL ROAD 49 (McLEOD ROAD) TO REGIONAL ROAD 47 (BIGGAR ROAD)
PLAN AND PROFILE ROLL PLAN 04
SCALE 1:250
Oct 28, 2021