

# APPENDIX

**P**

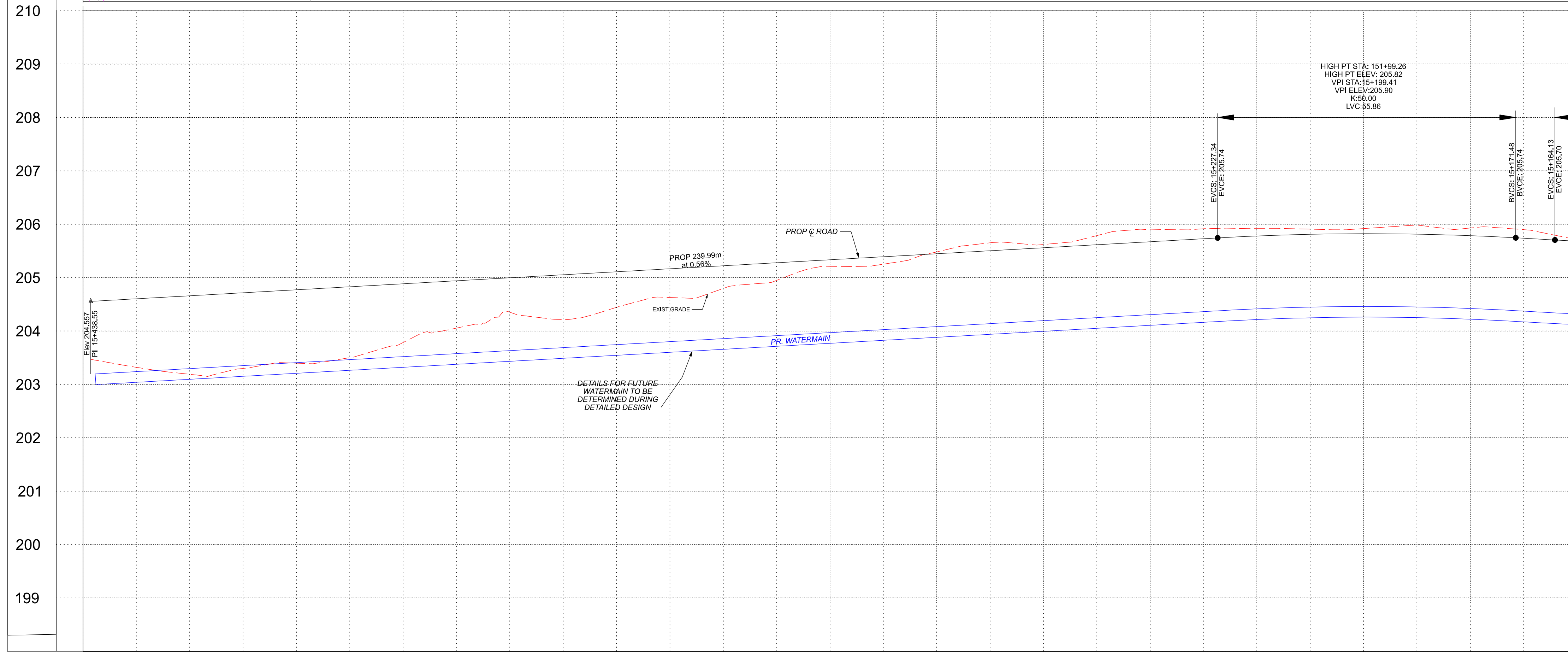
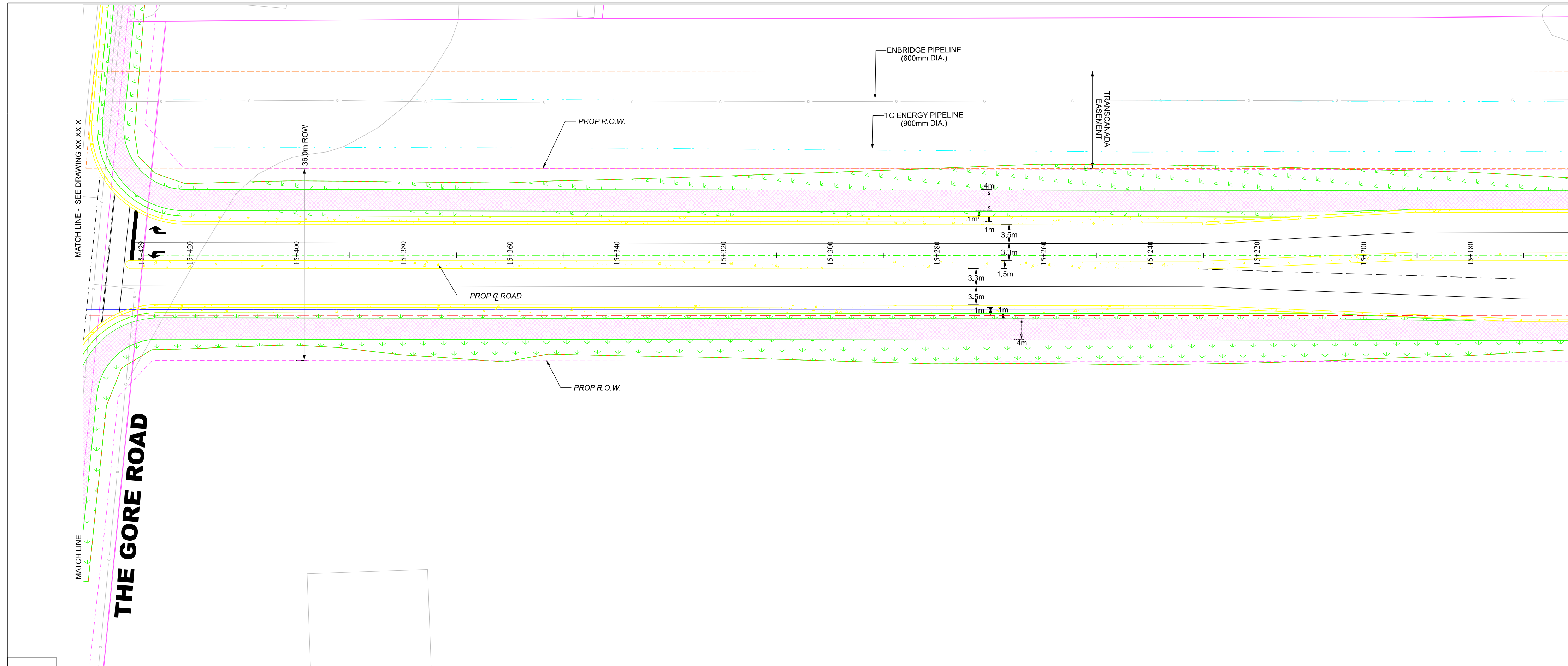
PRELIMINARY  
ROAD DESIGN



## APPENDIX

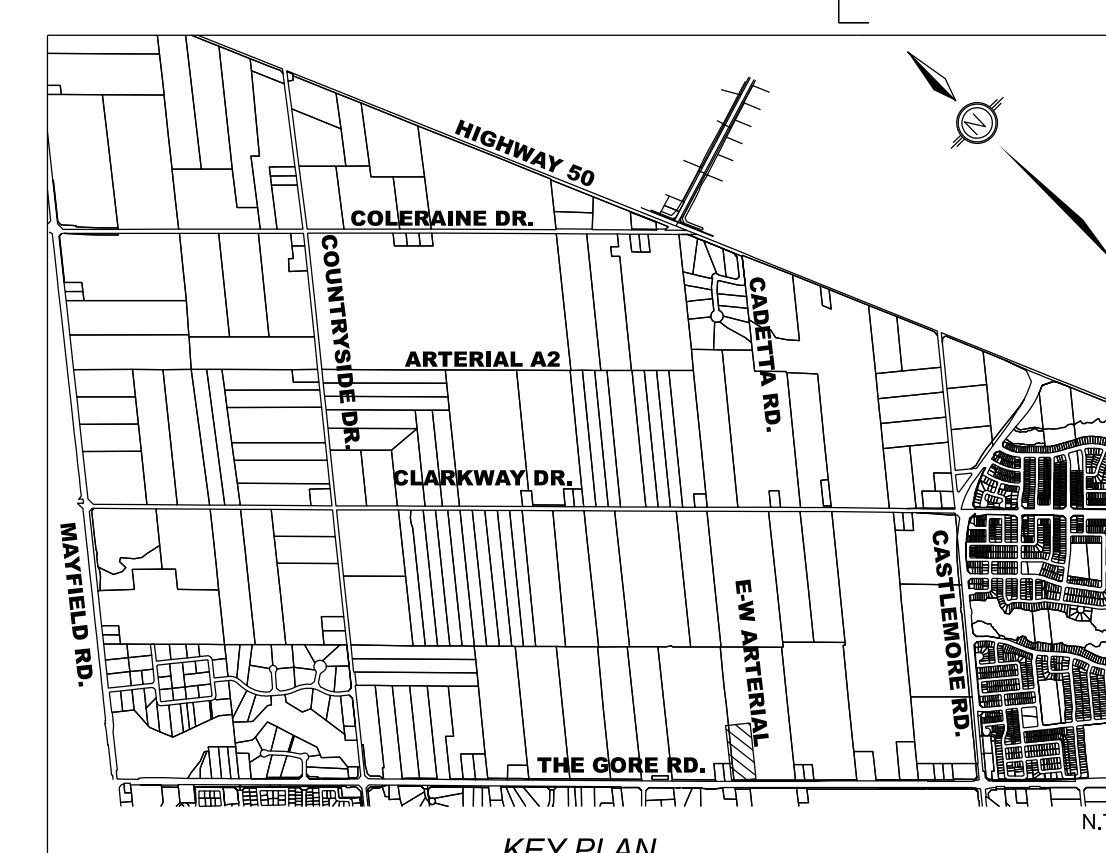
***P-3***

***EAST-WEST  
ARTERIAL  
DRAWNINGS***



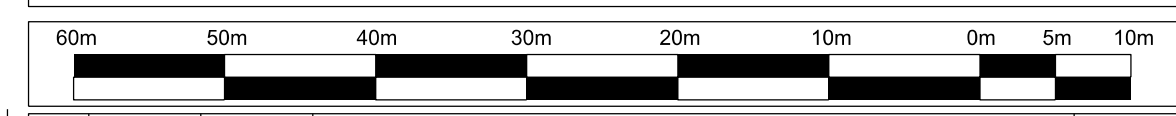
STORM INVERT															
SANITARY INVERT															
PROPOSED GRADES															
CENTERLINE CHAINAGE	15+440	15+429	15+420	15+400	15+380	15+360	15+340	15+320	15+300	15+280	15+260	15+240	15+220	15+200	15+180

**FOR STORM AND ROADWORKS ONLY**



- LEGEND:**
- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| PROP CONC BUS BAY                    | PROP SEED / SOD                       |
| PROP CONC KILL STRIP MEDIAN          | PROP IMPRESSED COLOURED CONC          |
| PROP ASPHALT PAVEMENT                | PROP ASPH MULTI USE TRAIL             |
| PROP DW REINSTATEMENT                | PROP DW RELOCATED / NEW               |
| PROP STORM SEWER (PROFILE ONLY)      | PROP TEMP ASPH PEDESTRIAN CONNECTION  |
| PROP MILLING & PLACEMENT OF 40mm HLT | PROP SILT FENCE (TREE HOARDINGS)      |
| PROP CONC SIDEWALK / BUS PAD         | PROP LIMIT OF GRADING                 |
| PROP TACTILE WALKING STRIP INDICATOR | PROP TEMP ROCK CHECK DAM (PDS 219.21) |
| EX SANITARY SEWER                    | EX OVERHEAD HYDRO                     |
| EX WATERMAIN                         | EX BELL                               |
| EX GAS                               | PROP OVERHEAD HYDRO                   |
| PROP WATERMAIN                       | PROP UNDERGROUND HYDRO                |
| PROP SANITARY SEWER                  | PROP STORM SEWER                      |

- NOTES:**
- ALL EXIST MH TOPS, GAS, WATER & OTHER APPURTENANCES TO BE ADJUSTED TO SUIT PROP GRADES
  - DCB & DIB LEADS TO BE 200mm, CB LEADS TO BE 200mm UNLESS OTHERWISE NOTED
  - ALL EXISTING CURBS WITHIN R.O.W. TO BE REMOVED UNLESS OTHERWISE NOTED
  - PROPOSED MEDIANS TO HAVE CONCRETE BARRIER CURB O.P.S.D. 600.080
  - PROPOSED CONCRETE KILL STRIP / MEDIAN SHALL BE DESIGNED TO 150mm CONCRETE 32MPa 200mm OF 20mm CRUSHER RUN LIMESTONE
  - ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION
  - FOR FINAL LAYOUT APPROVAL OF TRANSIT PADS PRIOR TO INSTALLATION, PLEASE CONTACT DAVID STONE AT (905) 874-2750 EXT 62379 OR CHRIS LAFLEUR EXT 62620
  - CITY REFERS TO THE CITY OF BRAMPTON
  - SEE DRAWINGS - - - FOR DIMENSIONS
  - SEE DRAWINGS - - - FOR REMOVALS
  - SEE DRAWING - - - FOR TYPICAL CROSS SECTIONS
  - SEE DRAWINGS - - - FOR PAVEMENT ELEVATION DETAILS
  - SEE DRAWINGS - - - FOR PAVEMENT MARKINGS AND SIGNAGE
  - SEE DRAWINGS - - - FOR LANDSCAPING DRAWINGS
  - SEE DRAWINGS - - - FOR STRUCTURAL DRAWINGS
- REFERENCE:** BENCHMARK F2-581 240.393m  
One story brick building, on 45 Regan Road. Tablet is set in the southeast face of corner foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



01	M.K.	15NOV19		ISSUED FOR 30% REVIEW		M.K.
NO.	BY	DATE		REVISIONS		CHECKED

**BRAMPTON** Region of Peel  
Flower City working with you

**Public Works & Engineering**  
**Capital Works**

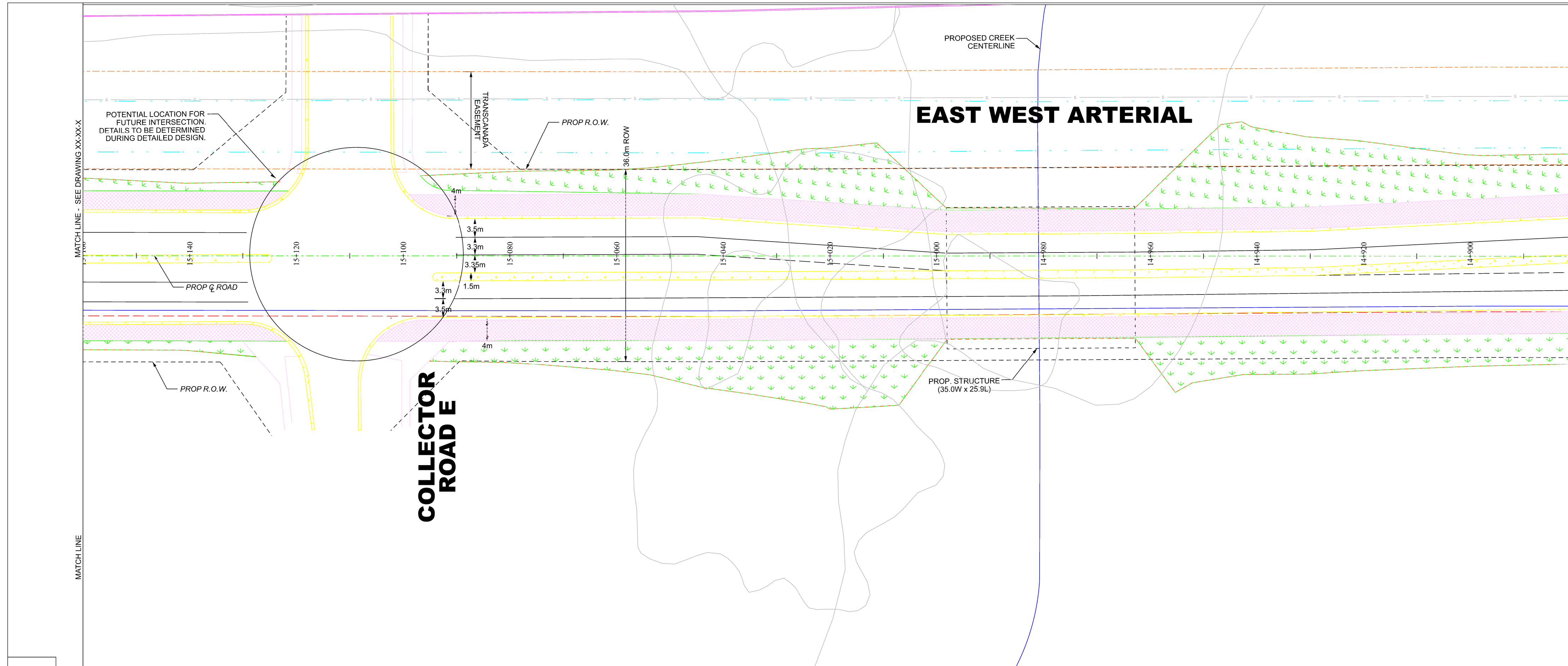
**wood.**

**EAST WEST**  
**STA. 15+440 TO STA. 15+160**

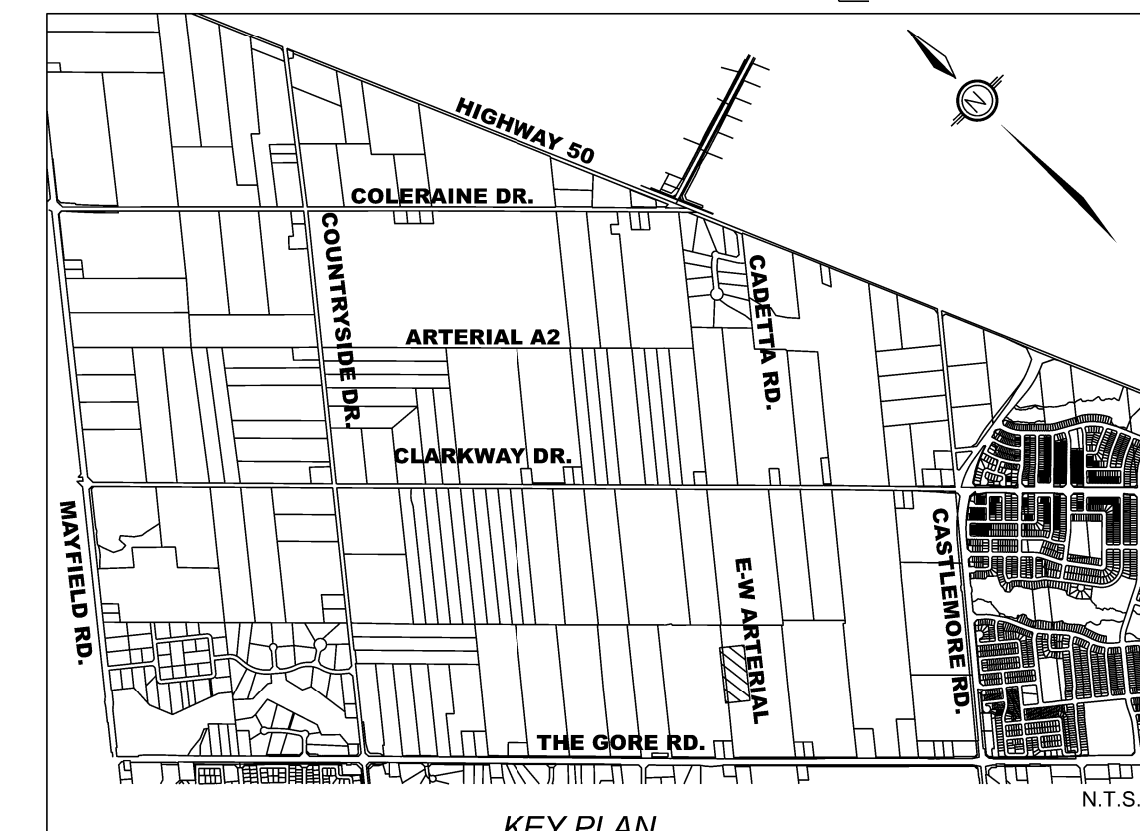
Description

**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	XXXXXX
DRAWN BY: A. KARAMBAKHSHAN	CHECKED BY: M. KHAN	DRAWING NO.	SHEET NO.
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN	<b>XX-XX-XX</b>	
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19		<b>X</b>



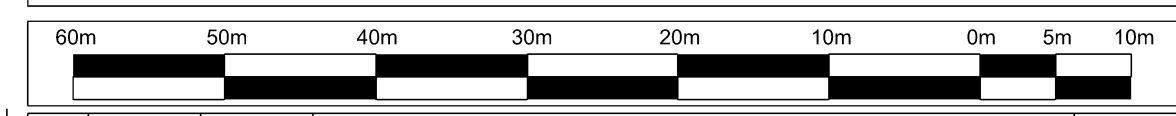
**FOR STORM AND ROADWORKS ONLY**



**LEGEND:**

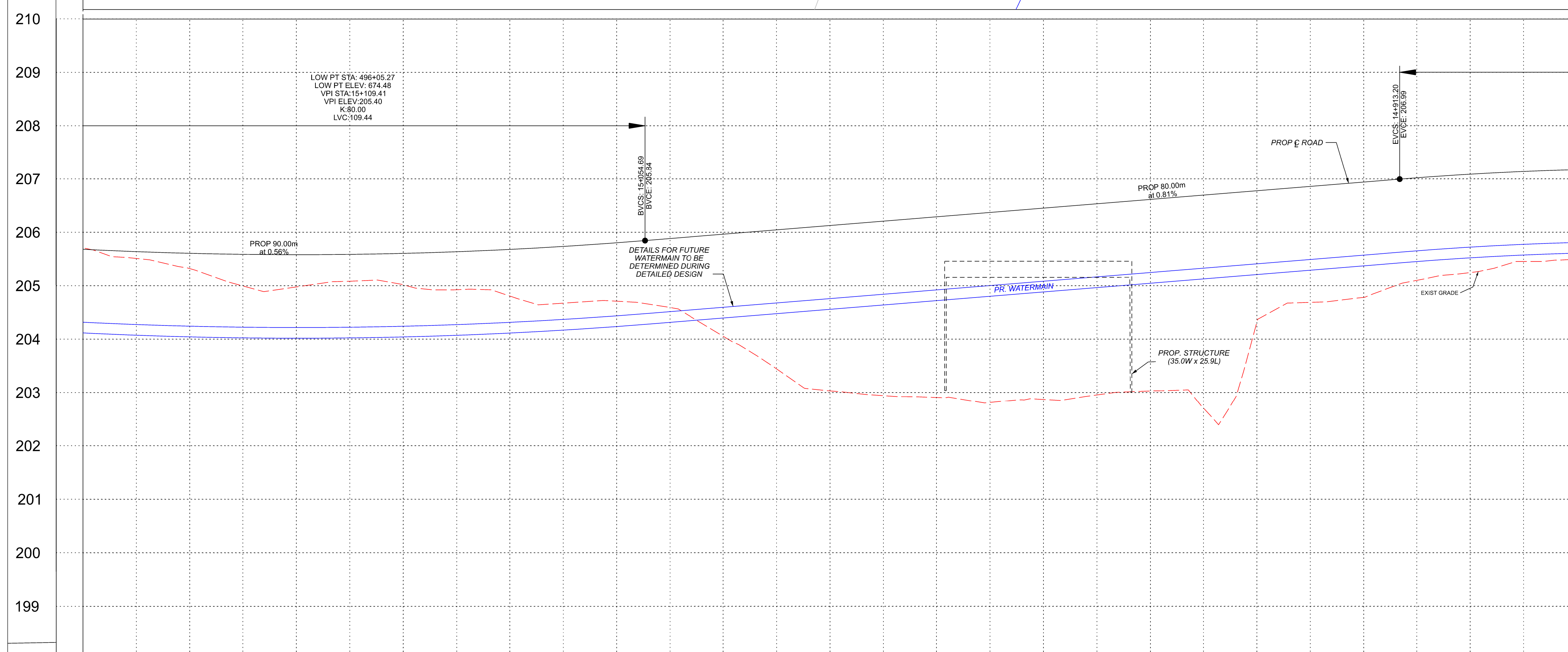
PROPOSED CONC. BUS BAY	PROPOSED IMPRESSED COLOURED CONC.
PROPOSED CONC. KILLS/STRIP/MEDIAN	PROPOSED ASPH. MULTI USE TRAIL
PROPOSED ASPHALT PAVEMENT	PROPOSED D/W RELOCATED / NEW
PROPOSED D/W REINSTATEMENT	PROPOSED TEMP ASPH. PEDESTRIAN CONNECTION
PROPOSED STORM SEWER (PROFILE ONLY)	PROPOSED SILT FENCE (TREE HOARDING)
PROPOSED MILLING & PLACEMENT OF 40mm HLT	PROPOSED LIMIT OF GRADING
PROPOSED CONC. SIDEWALK / BUS PAD	PROPOSED TEMP ROCK CHECK DAM (DPSD 219.210)
PROPOSED TACTILE WALKING STRIP INDICATOR	EXISTING OVERHEAD HYDRO
EXISTING SANITARY SEWER	EXISTING WATERMAIN
EXISTING WATERMAIN	EXISTING BELL
EXISTING GAS	PROPOSED OVERHEAD HYDRO
PROPOSED WATERMAIN	PROPOSED UNDERGROUND HYDRO
PROPOSED SANITARY SEWER	PROPOSED STORM SEWER

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- REFERENCE:** BENCH MARK F2-581 240.393m  
One story brick building, no 45 Regan Road. Table is set in the southeast face of concrete foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



NO.	BY	DATE	REVISIONS	CHECKED
01	M.K.	15NOV19	ISSUED FOR 30% REVIEW	M.K.

**Public Works & Engineering**  
**Capital Works**



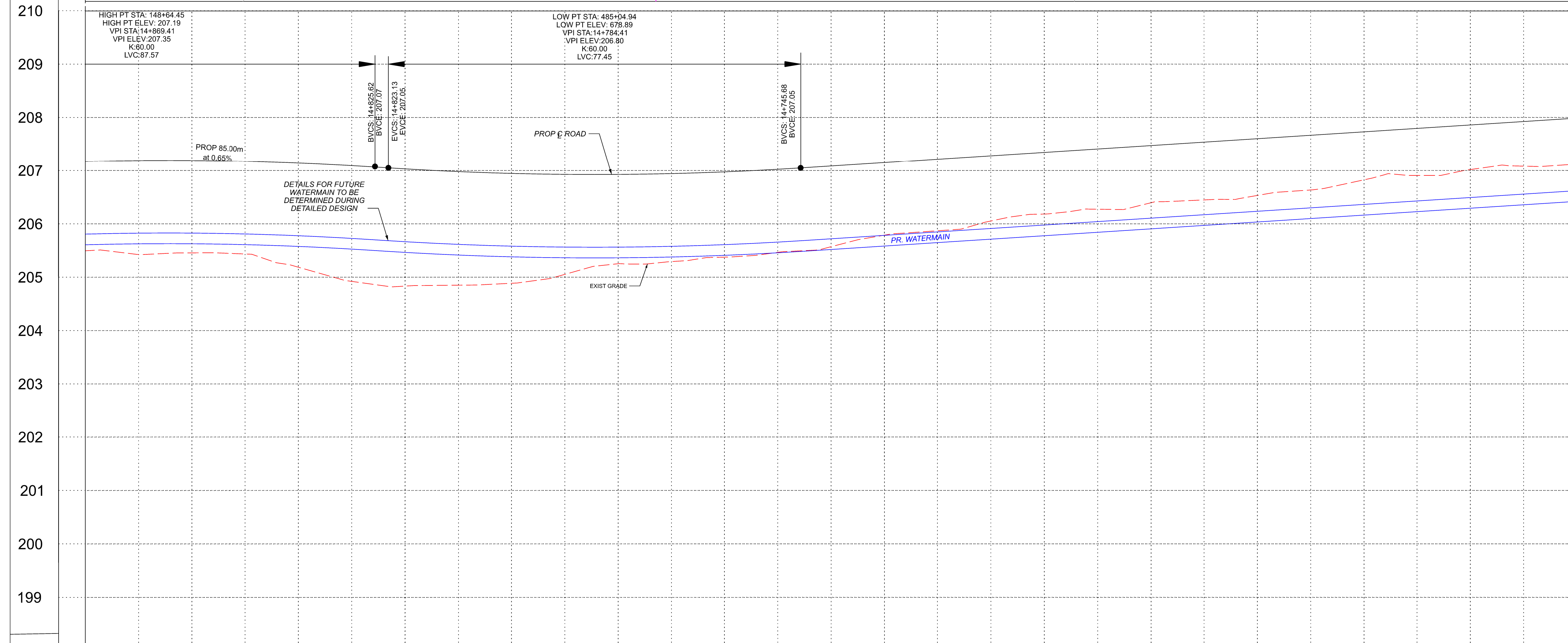
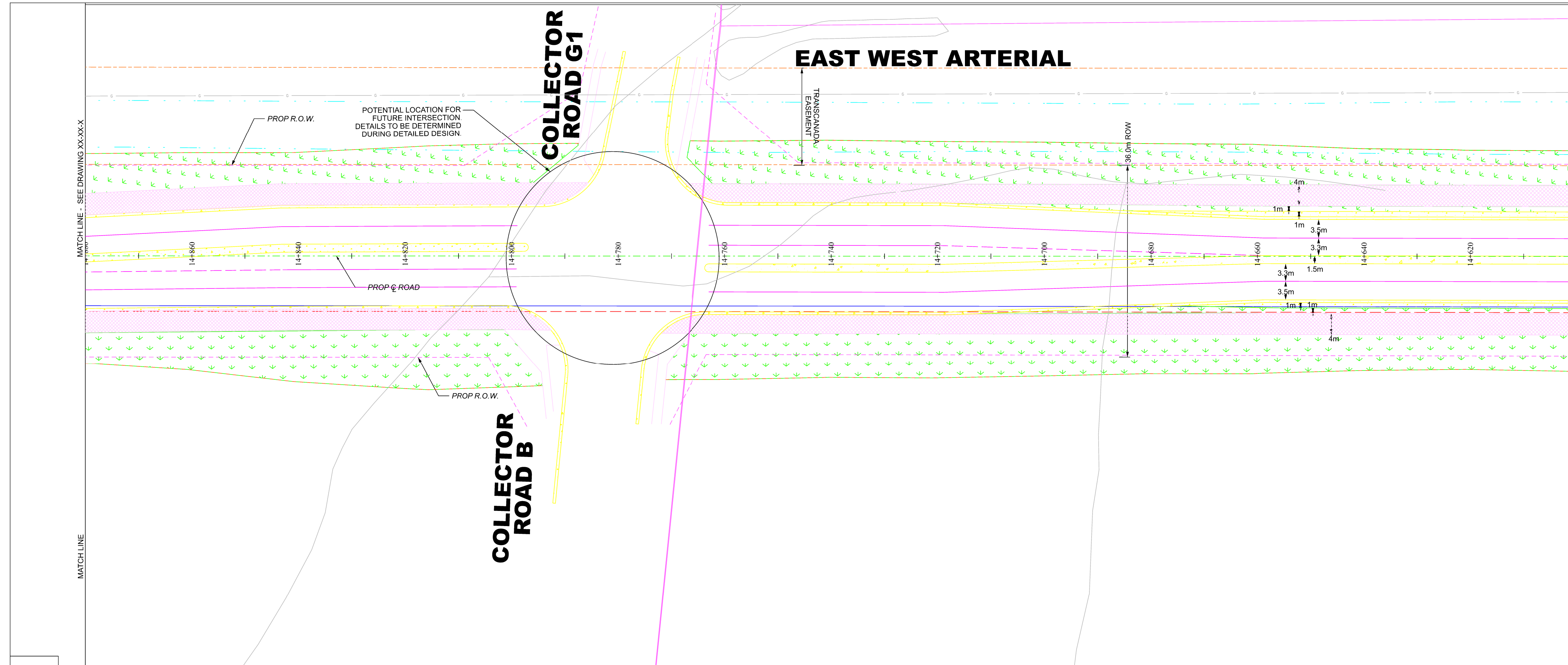
STORM INVERT														STORM INVERT	
SANITARY INVERT														SANITARY INVERT	
PROPOSED GRADES	205.88	205.61	205.58	205.60	205.68	205.80	205.96	206.13	206.29	206.45	206.61	206.78	206.94	207.09	PROPOSED GRADES
CENTERLINE CHAINAGE	15+160	15+140	15+120	15+100	15+080	15+060	15+040	15+020	15+000	14+980	14+960	14+940	14+920	14+900	CENTERLINE CHAINAGE

**EAST WEST**  
**STA. 15+160 TO STA. 14+880**

Description

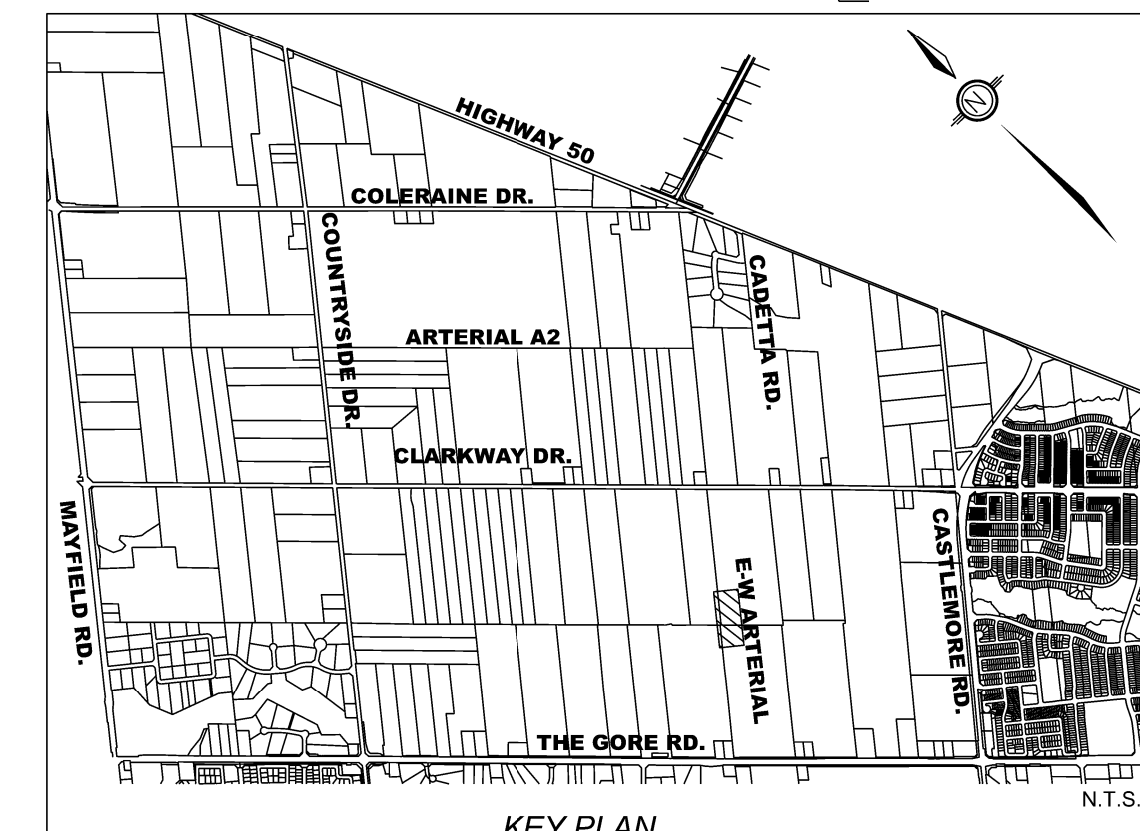
**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	xxxxxx
DRAWN BY: A. KARAMBAKSHIAN	CHECKED BY: M. KHAN	DRAWING NO.	
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN	XX-XX-XX	
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19	SHEET NO.	



STORM INVERT	SANITARY INVERT	PROPOSED GRADES	CENTERLINE CHAINAGE
		14+880 207.17	14+880
		14+860 207.19	14+860
		14+840 207.14	14+840
		14+820 207.03	14+820
		14+800 206.95	14+800
		14+780 206.93	14+780
		14+760 206.97	14+760
		14+740 207.09	14+740
		14+720 207.21	14+720
		14+700 207.34	14+700
		14+680 207.47	14+680
		14+660 207.60	14+660
		14+640 207.73	14+640
		14+620 207.86	14+620
		14+600 207.99	14+600
STORM INVERT	SANITARY INVERT	PROPOSED GRADES	CENTERLINE CHAINAGE

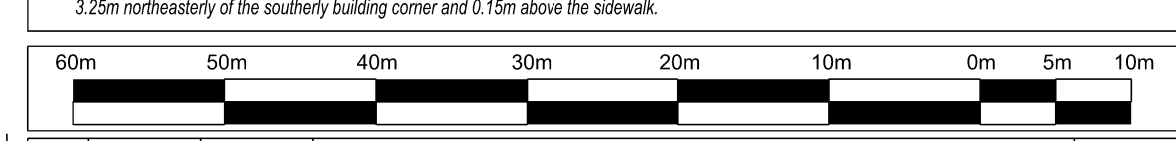
**FOR STORM AND ROADWORKS ONLY**



**LEGEND:**

PROP CONC BUS BAY	PROP SEED / SOD
PROP CONC KILLSSTRIP/MEDIAN	PROP IMPRESSED COLOURED CONC
PROP ASPHALT PAVEMENT	PROP ASPH MULTIUSE TRAIL
PROP DW REINSTATEMENT	PROP DW RELOCATED / NEW
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EX SANITARY SEWER	EX OVERHEAD HYDRO
EX WATERMAIN	EX BELL
EX GAS	PROP OVERHEAD HYDRO
PROP WATERMAIN	PROP UNDERGROUND HYDRO
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  3. ALL EXISTING CURBS WITHIN P.O.W. TO BE REMOVED UNLESS OTHERWISE NOTED
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One story brick building, no 43 Regan Road. Tablet is set in the southeast face of concrete foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



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**Public Works & Engineering**  
**Capital Works**

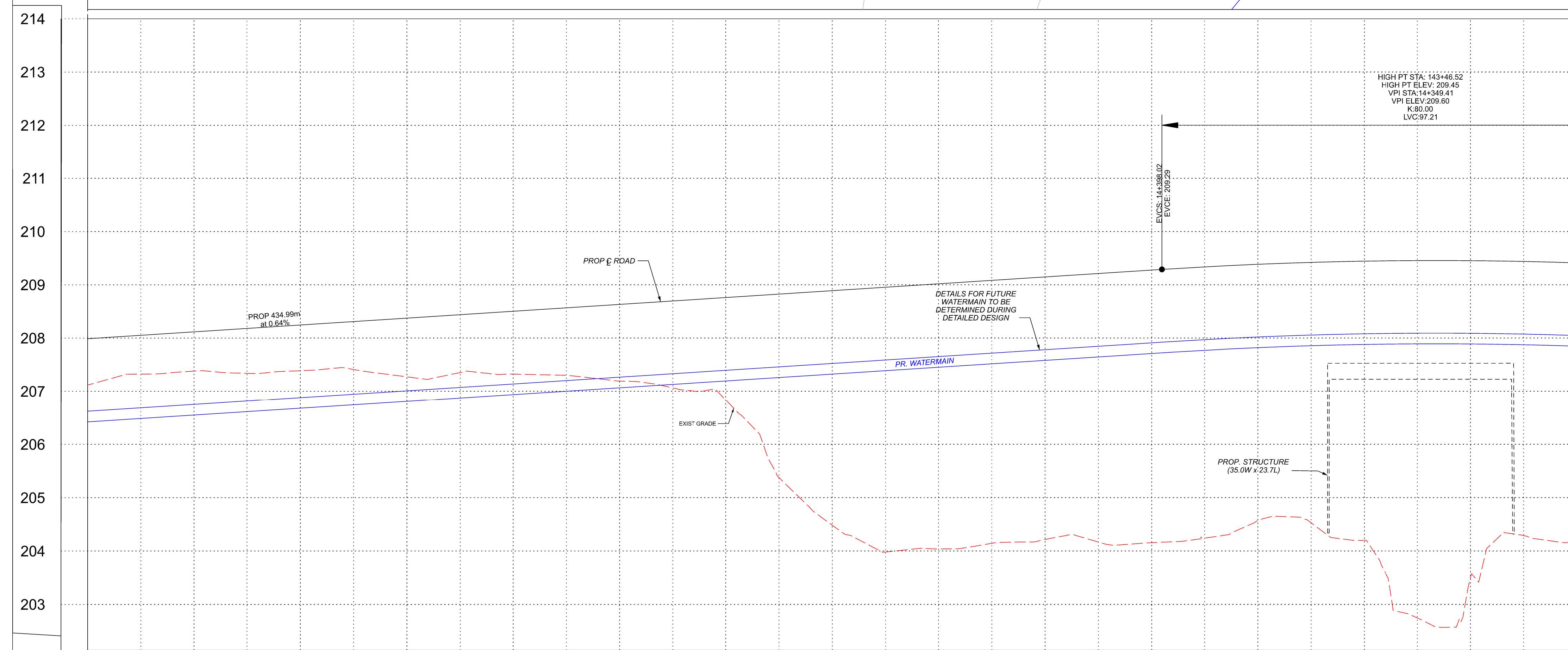
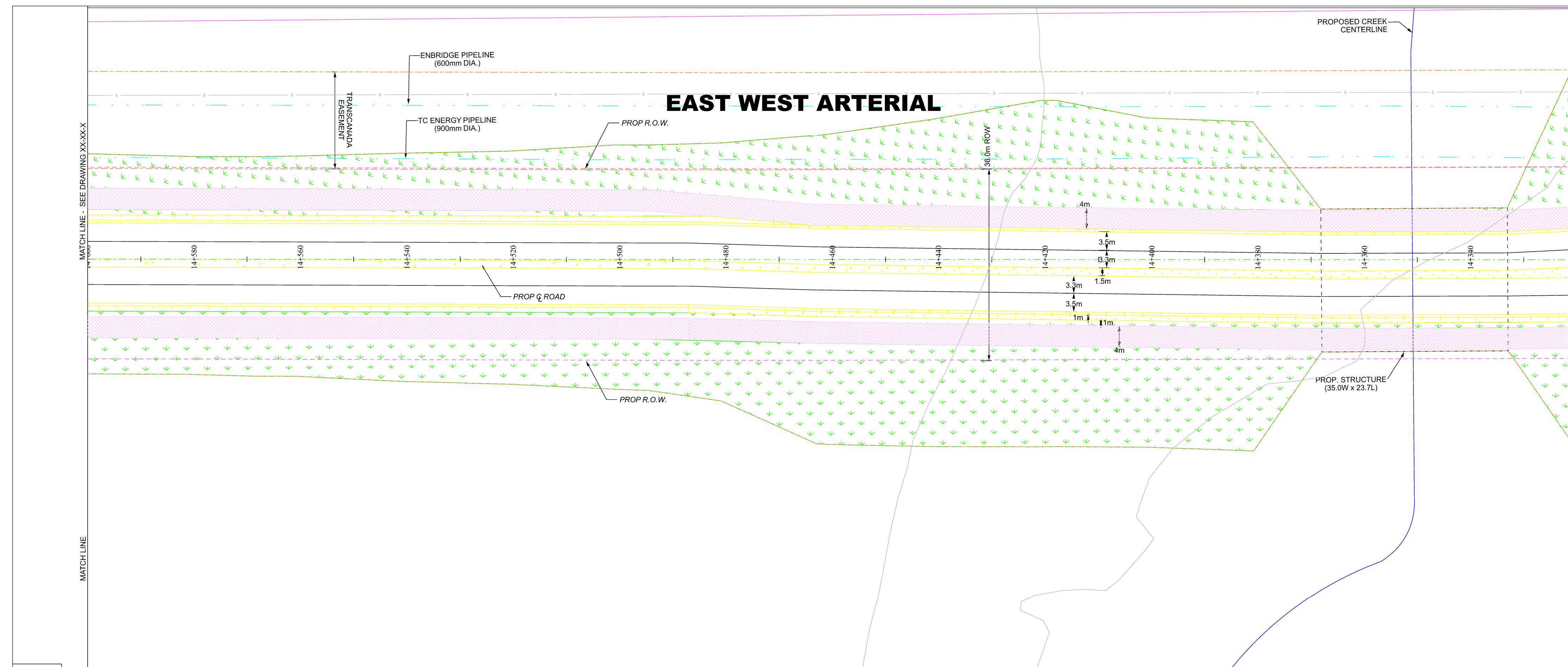
working with you

PROJECT	DWG. NO.
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**EAST WEST**  
STA. 14+880 TO STA. 14+600  
Description

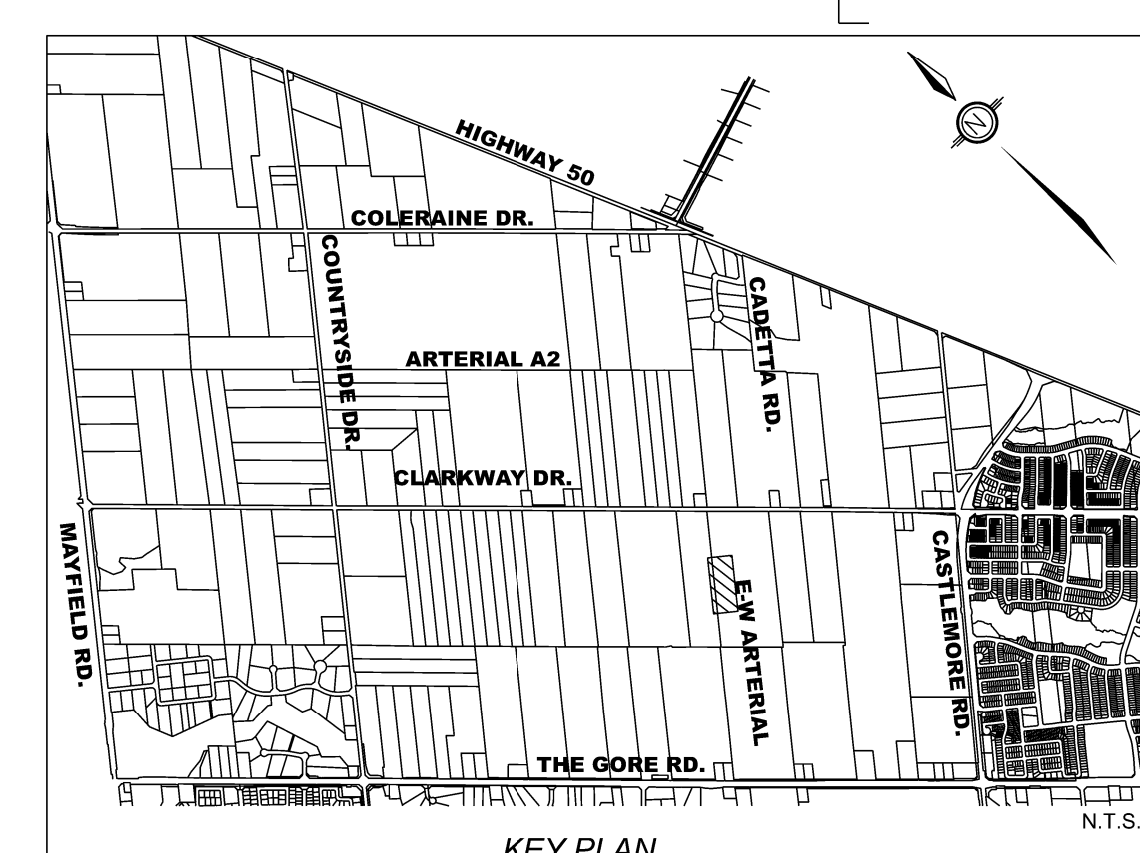
**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.:	xxxxxx
DRAWN BY: A. KARAMBAKSHIAN	CHECKED BY: M. KHAN	DRAWING NO.:	SHEET NO.
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN	<b>XX-XX-XX</b>	
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19		



STATION	14+400	14+420	14+440	14+460	14+480	14+500	14+520	14+540	14+560	14+580	14+600
STORM INVERT											
SANITARY INVERT											
PROPOSED GRADES	207.99	208.12	208.24	208.37	208.50	208.63	208.76	208.89	209.02	209.15	209.27
CENTERLINE CHAINAGE	14+600	14+580	14+560	14+540	14+520	14+500	14+480	14+460	14+440	14+420	14+400

**FOR STORM AND ROADWORKS ONLY**



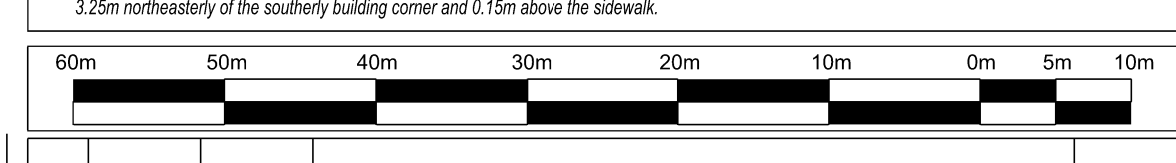
**LEGEND:**

PROP CONC BUS BAY	PROP SEED / SOD
PROP CONC KILLSTRIP/MEDIAN	PROP IMPRESSED COLOURED CONC
PROP ASPHALT PAVEMENT	PROP ASPH MULTIUSE TRAIL
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PROP CONC SIDEWALK / BUS PAD	PROP LIMIT OF GRADING
PROP TACTILE WALKING STRIP INDICATOR	PROP TEMP ROCK CHECK DAM [DPSD 219.219]
EX SANITARY SEWER	EX OVERHEAD HYDRO
EX WATERMAIN	EX BELL
EX GAS	PROP OVERHEAD HYDRO
PROP WATERMAIN	PROP UNDERGROUND HYDRO
PROP SANITARY SEWER	PROP STORM SEWER

**NOTES:**

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**REFERENCE:** BENCH MARK F2-581 240.393m  
One story brick building, no. 45 Regan Road. Table is set in the southeast face of concrete foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



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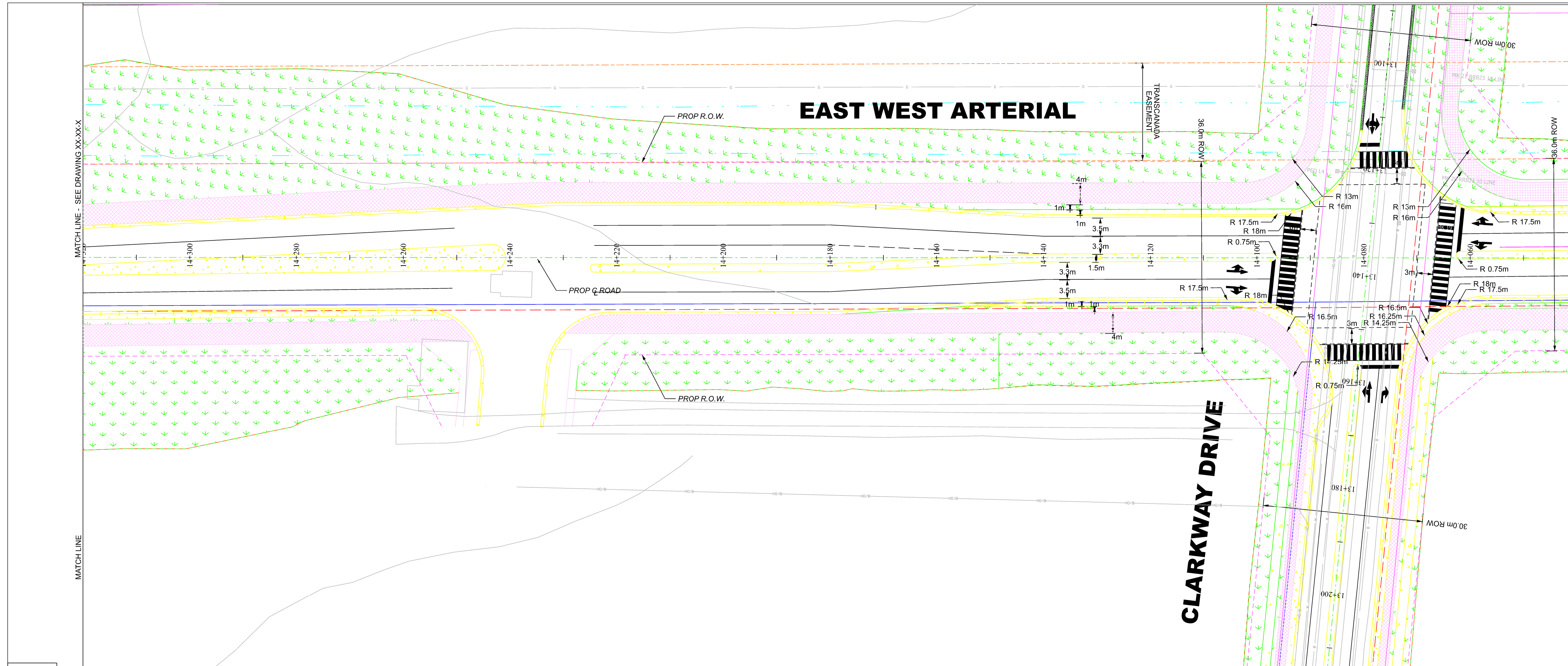
**Public Works & Engineering**  
**Capital Works**

PROJECT	DWG. NO.

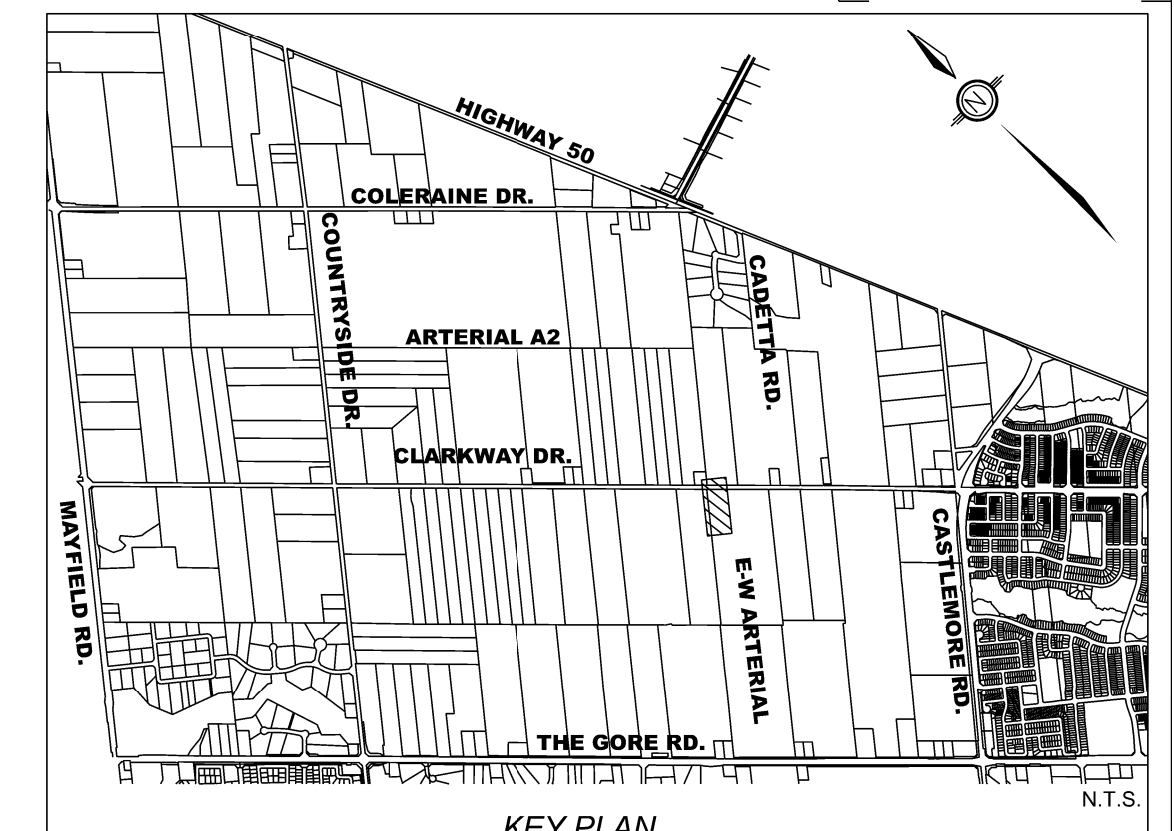
**EAST WEST**  
**STA. 14+600 TO STA. 14+320**  
Description

**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	xxxxxx
DRAWN BY: A. KARAMBAKSHIAN	CHECKED BY: M. KHAN	DRAWING NO.	
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN	<b>XX-XX-XX</b>	
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19	SHEET NO.	



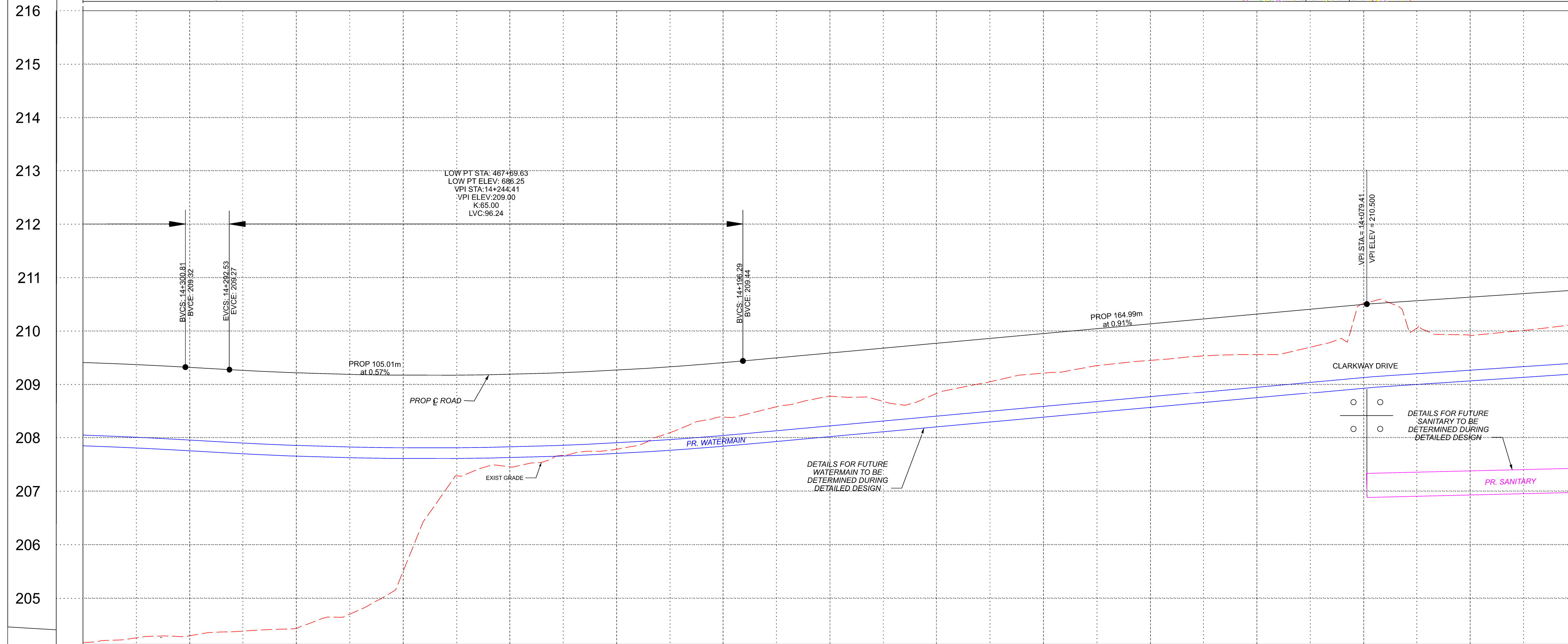
**FOR STORM AND ROADWORKS ONLY**



**LEGEND:**

PROP CONC BUS BAY	PROP IMPRESSED COLOURED CONC
PROP CONC KILLSSTRIP/MEDIAN	PROP ASPH MULTUSE TRAIL
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PROP SANITARY SEWER	

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- REFERENCE:**  
 One story brick building, no. 43 Regan Road. Table is set in the southeast face of concrete foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



Scale: 60m, 50m, 40m, 30m, 20m, 10m, 0m, 5m, 10m

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**BRAMPTON** Flower City

**Region of Peel** working with you

**wood.**

**Public Works & Engineering**

**Capital Works**

PROJECT: \_\_\_\_\_ DWG. NO. \_\_\_\_\_

STORM INVERT															STORM INVERT																
SANITARY INVERT															SANITARY INVERT																
PROPOSED GRADES	14+320	209.41	14+300	209.32	14+280	209.22	14+260	209.17	14+240	209.19	14+220	209.27	14+200	209.40	14+180	209.59	14+160	209.77	14+140	209.95	14+120	210.13	14+100	210.31	14+080	210.49	14+060	210.63	14+040	210.76	PROPOSED GRADES
CENTERLINE CHAINAGE	14+320		14+300		14+280		14+260		14+240		14+220		14+200		14+180		14+160		14+140		14+120		14+100		14+080		14+060		14+040		

**EAST WEST**  
**STA. 14+320 TO STA. 14+040**  
 Description

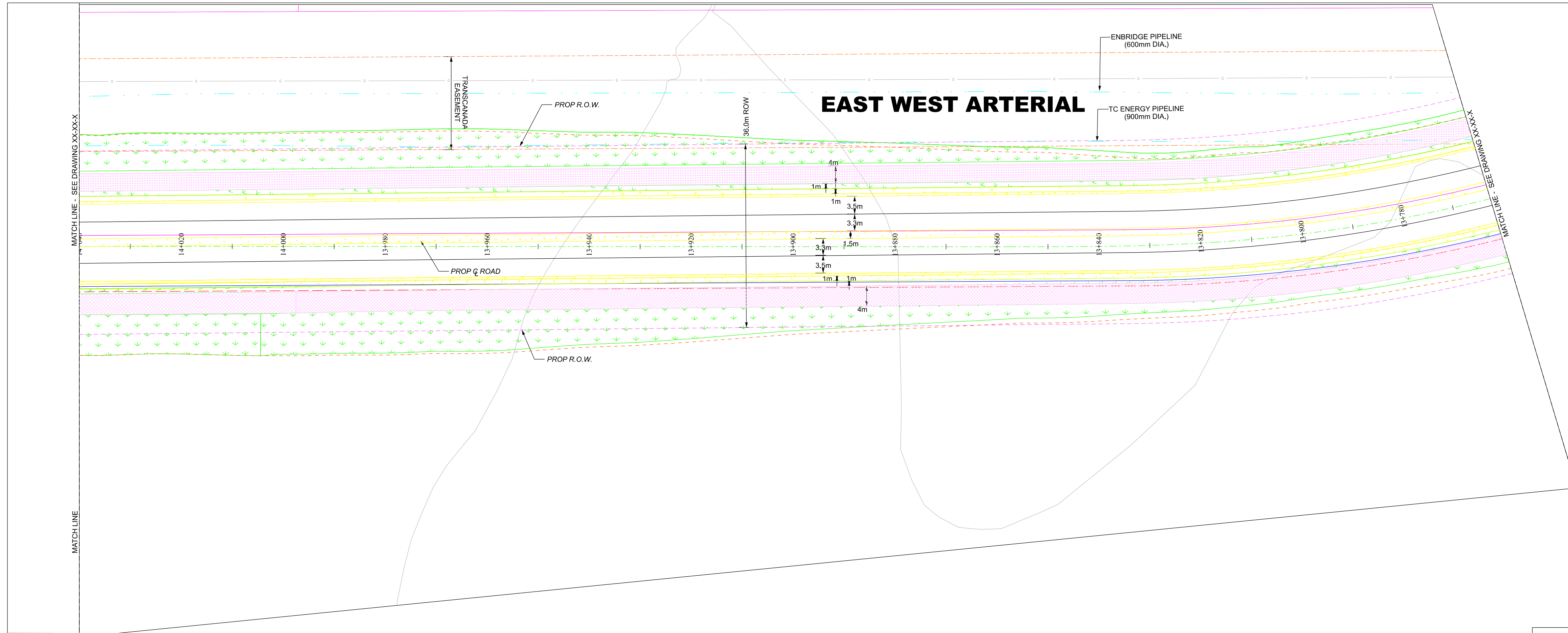
**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON DATE: NOVEMBER 15, 2019 FILE NO. xxxxxx

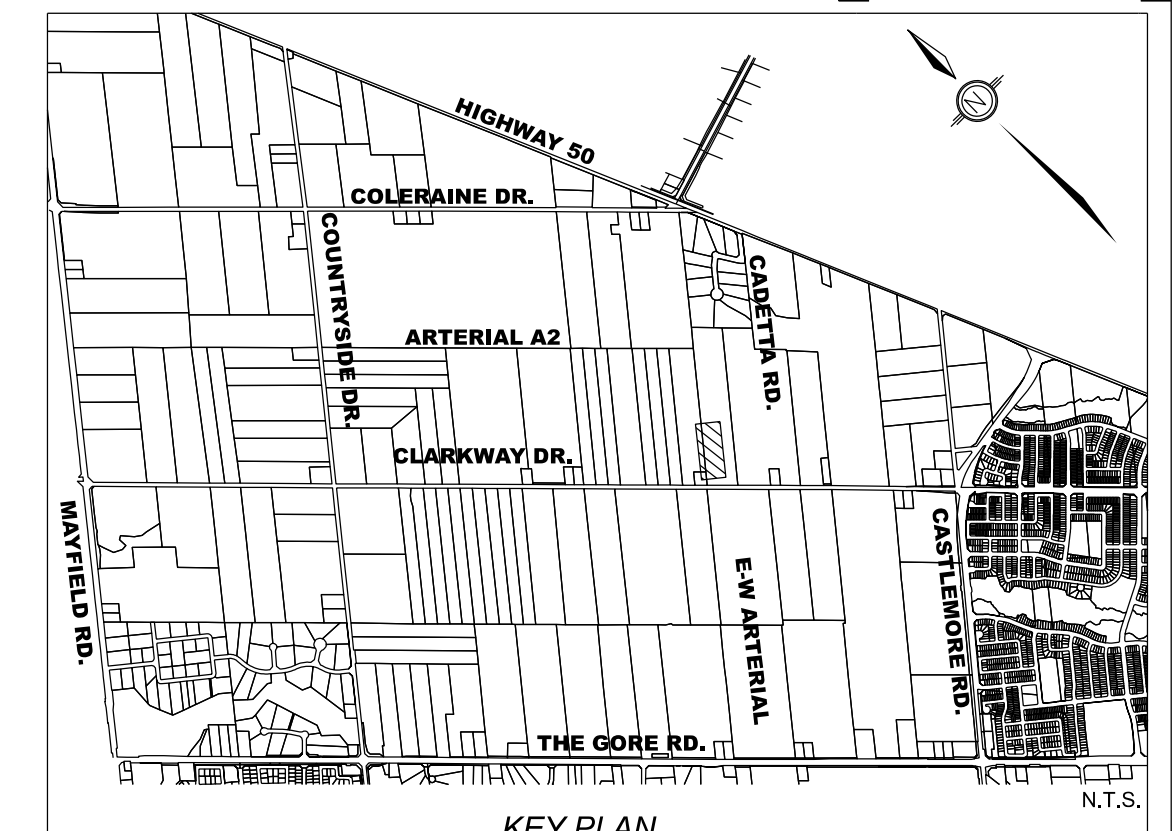
DRAWN BY: A. KARAMBAKSHIAN CHECKED BY: M. KHAN DRAWING NO. SHEET NO.

DESIGNED BY: M. KHAN CHECKED BY: M. KHAN

SCALE: v 1:50 h 1:500 DATE: 15 NOV 19 **XX-XX-XX**

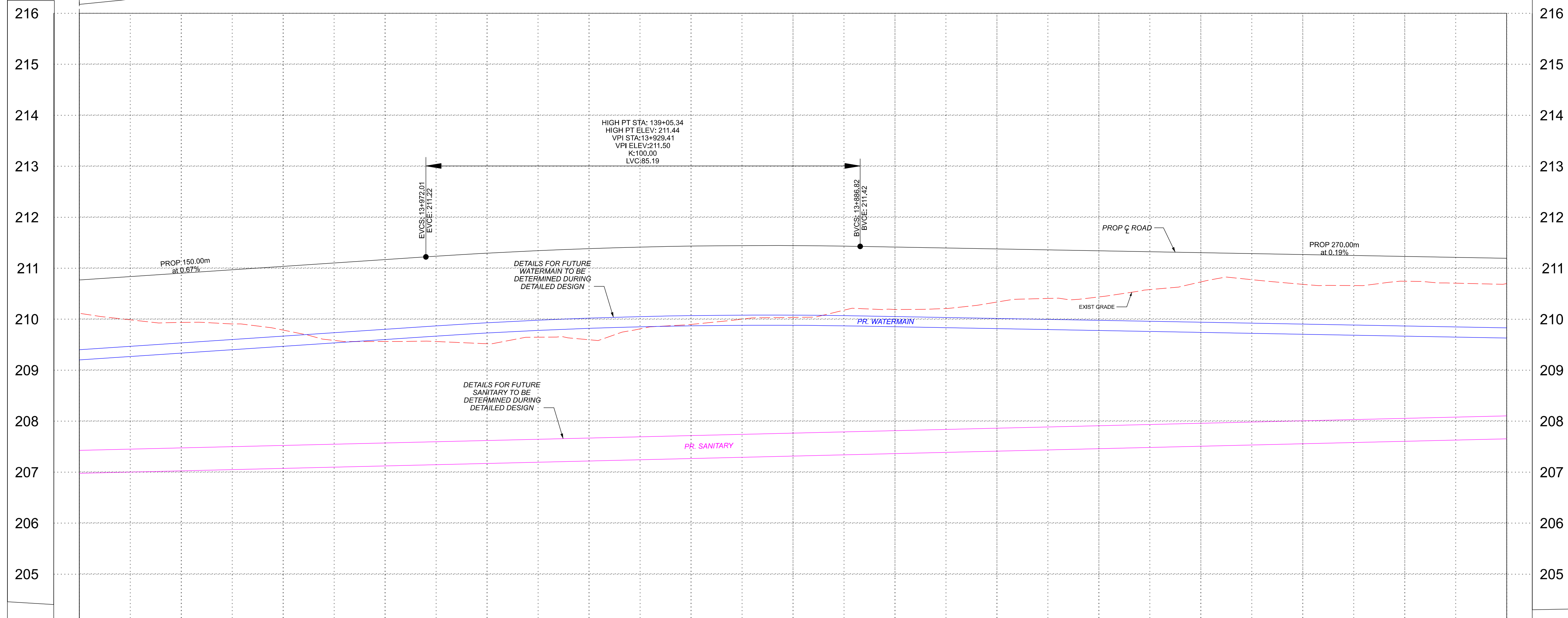


**FOR STORM AND ROADWORKS ONLY**

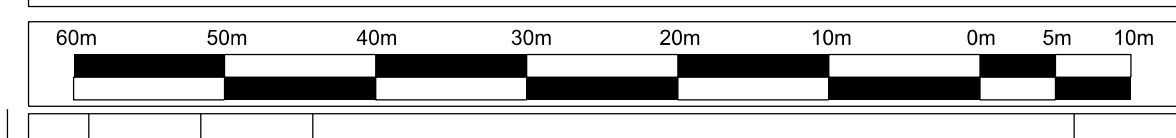


**LEGEND:**

PROP CONC BUS BAY	PROP IMPRESSED COLOURED CONC	PROP SEED / SOD
PROP CONC KILLS/STRIP/MEDIAN	PROP ASPH MULTI USE TRAIL	PROP IMPRESSED COLOURED CONC
PROP ASPHALT PAVEMENT	PROP DW RELOCATED / NEW	PROP ASPH PEDESTRIAN CONNECTION
PROP DW REINSTATEMENT	PROP SILT FENCE (TREE HOARDING)	PROP SILT FENCE (TREE HOARDING)
PROP STORM SEWER (PROFILE ONLY)	PROP LIMIT OF GRADING	PROP LIMIT OF GRADING
PROP MILLING & PLACEMENT OF 40mm HLT	PROP TEMP ROCK CHECK DAM (DPSD 219.210)	PROP TEMP ROCK CHECK DAM (DPSD 219.210)
PROP CONC SIDEWALK / BUS PAD	EX OVERHEAD HYDRO	EX OVERHEAD HYDRO
PROP TACTILE WALKING STRIP INDICATOR	EX BELL	EX BELL
EX SANITARY SEWER	PROP OVERHEAD HYDRO	PROP OVERHEAD HYDRO
EX WATERMAIN	PROP UNDERGROUND HYDRO	PROP UNDERGROUND HYDRO
EX GAS	PROP SANITARY SEWER	PROP SANITARY SEWER
PROP WATERMAIN		
PROP SANITARY SEWER		



- NOTES:**
- ALL EXIST MH TOPS, GAS, WATER & OTHER APPURTENANCES TO BE ADJUSTED TO SUIT PROP GRADES
  - DCB & DIB LEADS TO BE 200mm, CB LEADS TO BE 200mm, UNLESS OTHERWISE NOTED
  - ALL EXISTING CURBS WITHIN P.O.W. TO BE REMOVED UNLESS OTHERWISE NOTED
  - PROPOSED MEDIANS TO HAVE CONCRETE BARRIER CURB O.P.S.D. 600.080
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  - CITY REFERS TO THE CITY OF BRAMPTON
  - SEE DRAWINGS - - - FOR DIMENSIONS
  - SEE DRAWINGS - - - FOR REMOVALS
  - SEE DRAWING - - - FOR TYPICAL CROSS SECTIONS
  - SEE DRAWINGS - - - FOR PAVEMENT ELEVATION DETAILS
  - SEE DRAWINGS - - - FOR PAVEMENT MARKINGS AND SIGNAGE
  - SEE DRAWINGS - - - FOR LANDSCAPING DRAWINGS
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- REFERENCE:** BENCH MARK F2-581 240.393m  
One story brick building, no 45 Regan Road. Tablet is set in the southeast face of corner foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



NO.	M.K.	DATE	REVISIONS	CHECKED
01	M.K.	15NOV19	ISSUED FOR 30% REVIEW	M.K.

**BRAMPTON** Flower City  
**Region of Peel** working with you  
**wood.**  
 Public Works & Engineering  
 Capital Works

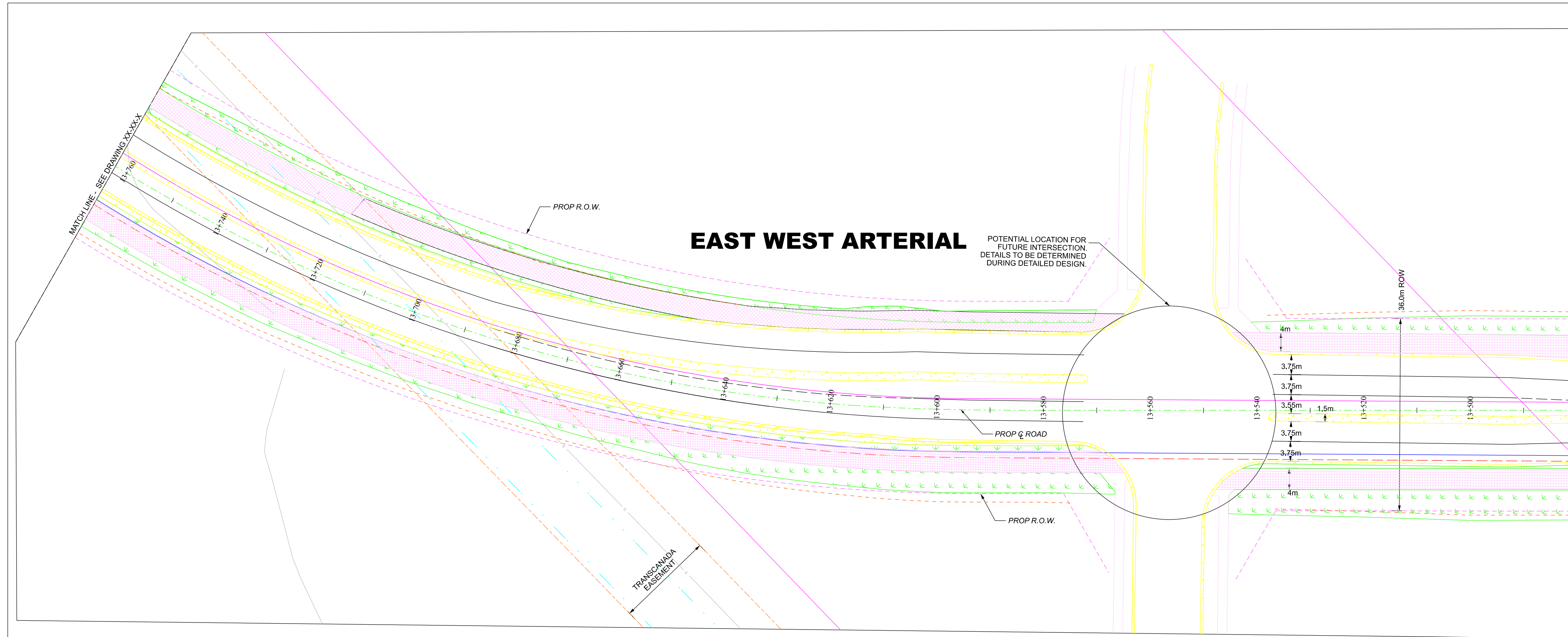
STORM INVERT	SANITARY INVERT	PROPOSED GRADES	CENTERLINE CHAINAGE
		14+000 210.76	14+000
		14+020 210.90	14+020
		14+040 211.03	14+040
		13+980 211.16	13+980
		13+960 211.29	13+960
		13+940 211.38	13+940
		13+920 211.43	13+920
		13+900 211.44	13+900
		13+880 211.41	13+880
		13+860 211.37	13+860
		13+840 211.33	13+840
		13+820 211.73	13+820
		13+800 211.28	13+800
		13+780 211.22	13+780
		13+760 211.19	13+760

PROJECT	DWG. NO.

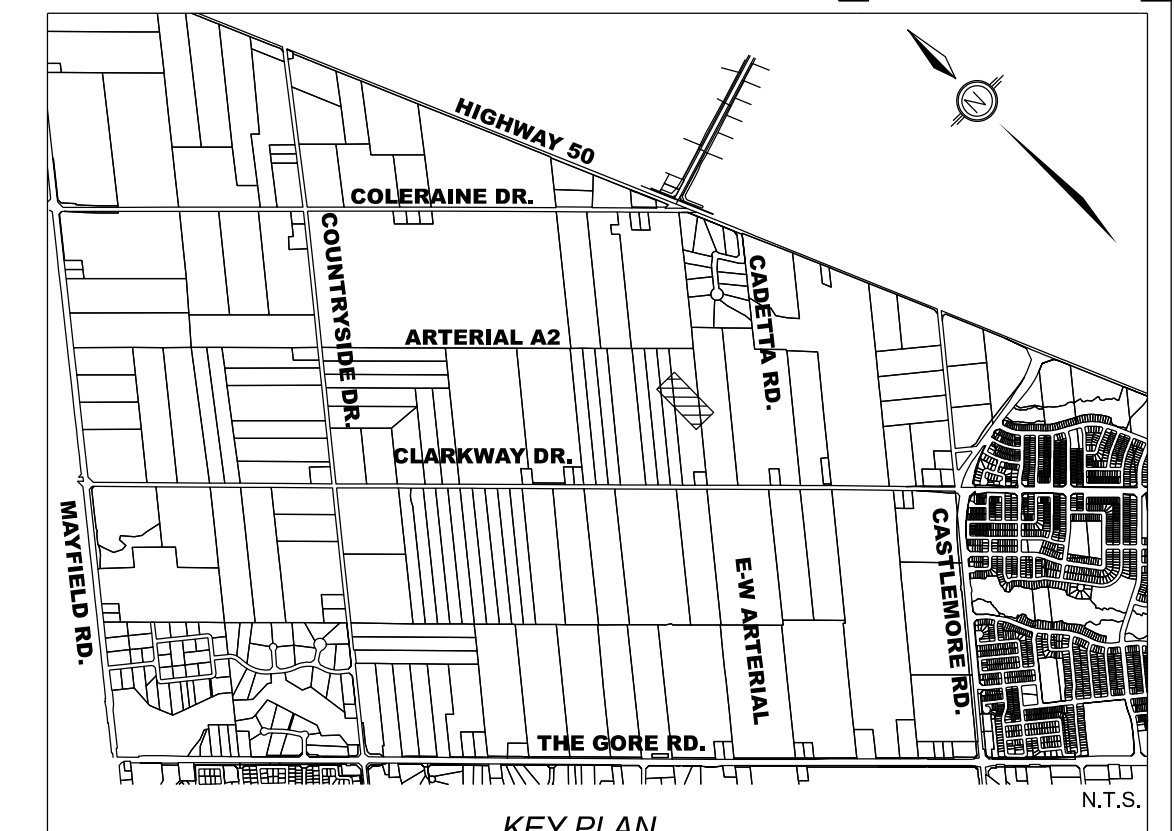
**EAST WEST**  
 STA. 14+040 TO STA. 13+760  
 Description  
**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	xxxxxx
DRAWN BY: A. KARAMBAKSHIAN	CHECKED BY: M. KHAN	DRAWING NO.	
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN		
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19	XX-XX-XX	X





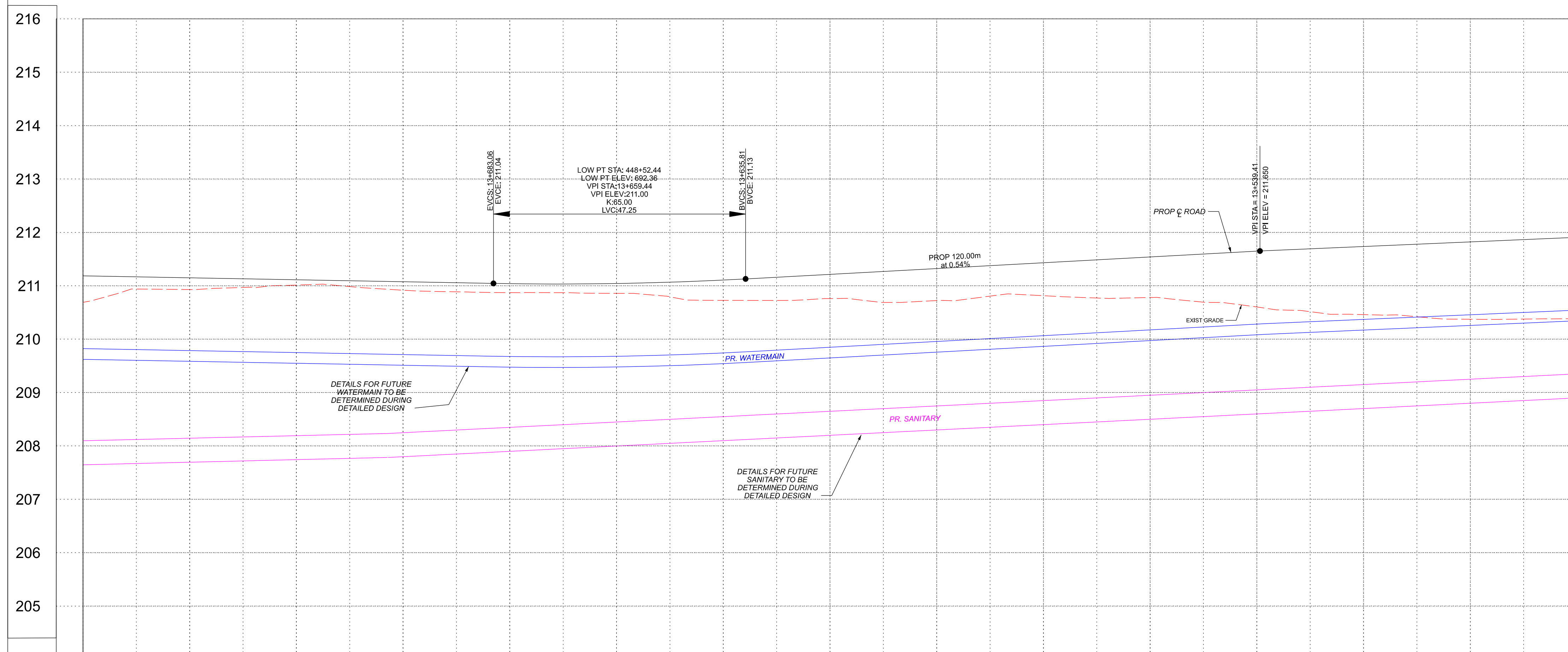
**FOR STORM AND ROADWORKS ONLY**



**LEGEND:**

PROP CONC BUS BAY	PROP SEED / SOD
PROP CONC KILL STRIP / MEDIAN	PROP IMPRESSED COLOURED CONC
PROP ASPHALT PAVEMENT	PROP ASPH MULTI USE TRAIL
PROP DW REINSTATEMENT	PROP DW RELOCATED / NEW
PROP STORM SEWER (PROFILE ONLY)	PROP TEMP ASPH PEDESTRIAN CONNECTION
PROP MILLING & PLACEMENT OF 40mm HLT	PROP SILT FENCE (TREE HOARDING)
PROP CONC SIDEWALK / BUS PAD	PROP LIMIT OF GRADING
PROP TACTILE WALKING STRIP INDICATOR	PROP TEMP ROCK CHECK DAM (RPSD 219.210)
EX SANITARY SEWER	EX OVERHEAD HYDRO
EX WATERMAIN	EX BELL
EX GAS	PROP OVERHEAD HYDRO
PROP WATERMAIN	PROP UNDERGROUND HYDRO
PROP SANITARY SEWER	PROP STORM SEWER

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- REFERENCE:** BENCH MARK F2-581 240.393m  
One story brick building, no 45 Regan Road. Tablet is set in the southeast face of corner foundation, 3.25m northeasterly of the southerly building corner and 0.15m above the sidewalk.



Scale: 60m, 50m, 40m, 30m, 20m, 10m, 0m, 5m, 10m

NO.	M.K.	DATE	ISSUED FOR 30% REVIEW	REVISIONS	M.K.	CHECKED
01	M.K.	15NOV19	ISSUED FOR 30% REVIEW		M.K.	CHECKED

STORM INVERT															STORM INVERT	
SANITARY INVERT															SANITARY INVERT	
PROPOSED GRADES	13+760 211.19	13+740 211.15	13+720 211.11	13+700 211.08	13+680 211.04	13+660 211.04	13+640 211.11	13+620 211.21	13+600 211.32	13+580 211.43	13+560 211.54	13+540 211.65	13+520 211.73	13+500 211.82	13+480 211.85	PROPOSED GRADES
CENTERLINE CHAINAGE	13+760	13+740	13+720	13+700	13+680	13+660	13+640	13+620	13+600	13+580	13+560	13+540	13+520	13+500	13+480	CENTERLINE CHAINAGE

**BRAMPTON** Region of Peel  
Flower City working with you

**Public Works & Engineering**  
**Capital Works**

**wood.**

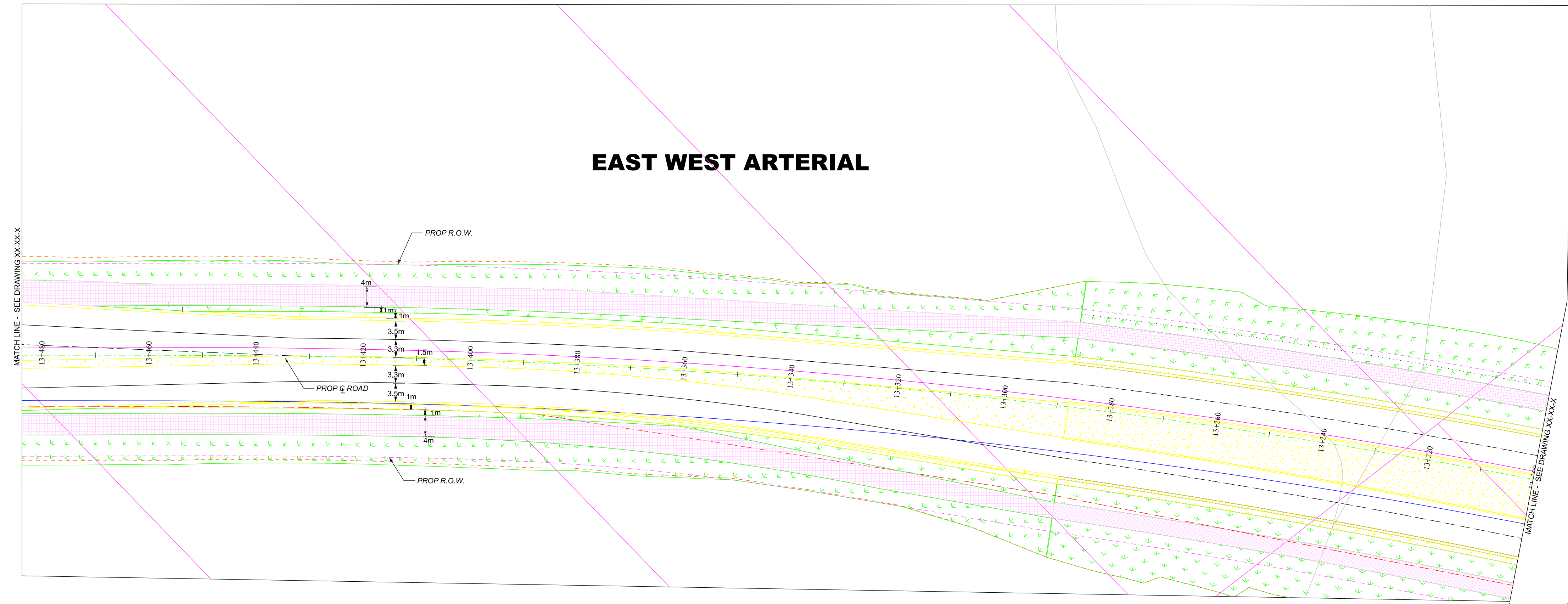
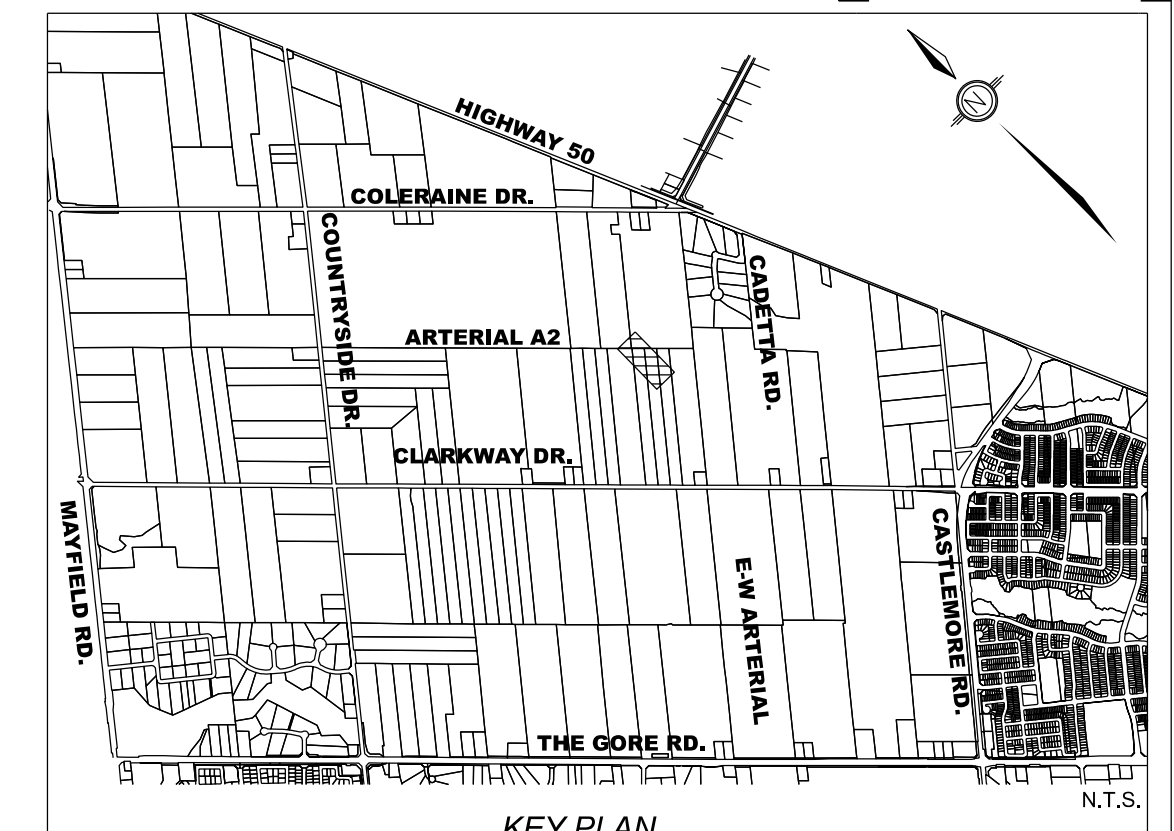
PROJECT	DWG. NO.		
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**EAST WEST**  
**STA. 13+760 TO STA. 13+480**  
Description

**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	xxxxxx
DRAWN BY: A. KARAMBAKHSHAN	CHECKED BY: M. KHAN	DRAWING NO.	
DESIGNED BY: M. KHAN	CHECKED BY: M. KHAN	<b>XX-XX-XX</b>	
SCALE: v 1:50 h 1:500	DATE: 15 NOV 19	<b>X</b>	

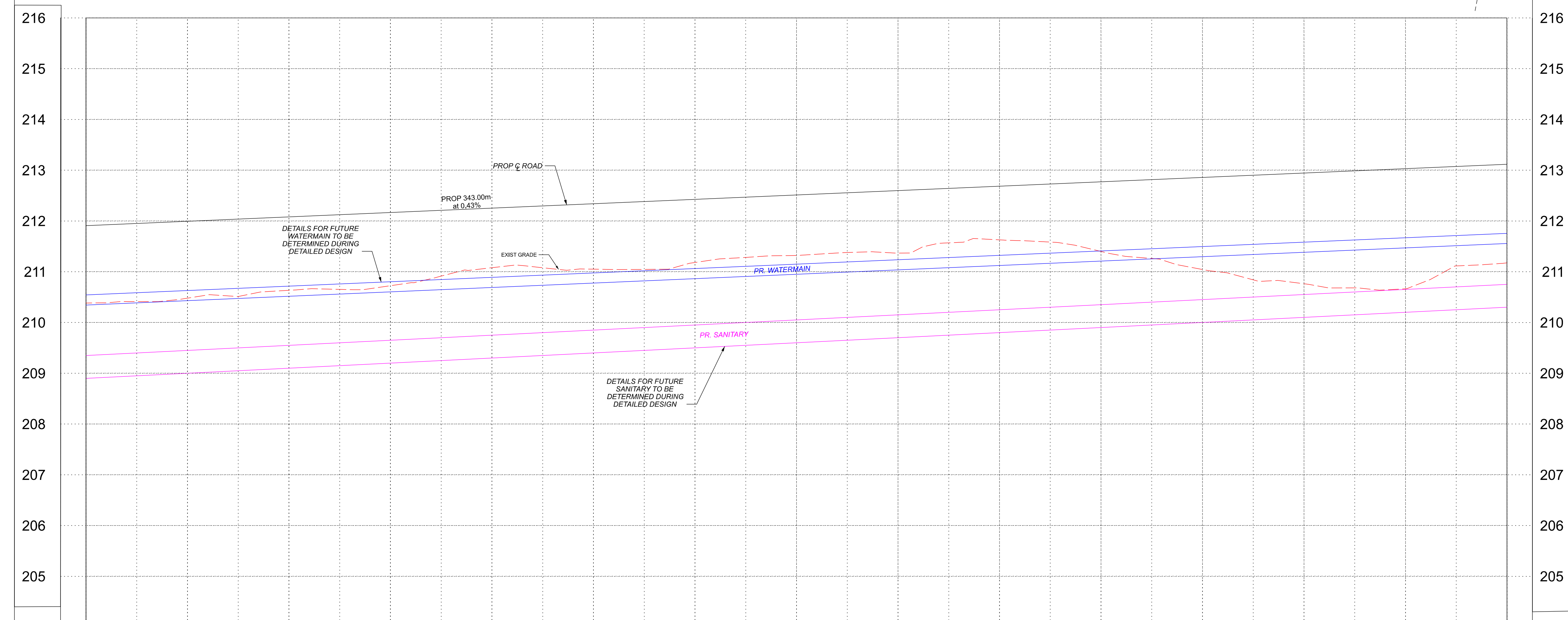
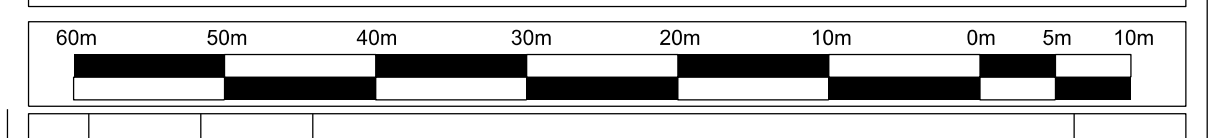
# FOR STORM AND ROADWORKS ONLY



**LEGEND:**

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PROP ASPHALT PAVEMENT	PROP ASPH MULTI USE TRAIL
PROP DW REINSTATEMENT	PROP DW RELOCATED / NEW
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STORM INVERT														STORM INVERT																	
SANITARY INVERT														SANITARY INVERT																	
PROPOSED GRADES	13+480	211.85	13+460	211.59	13+440	212.08	13+420	212.17	13+400	212.25	13+380	212.34	13+360	212.42	13+340	212.51	13+320	212.60	13+300	212.68	13+280	212.77	13+260	212.86	13+240	212.94	13+220	213.03	13+200	213.25	PROPOSED GRADES
CENTERLINE CHAINAGE	13+480		13+460		13+440		13+420		13+400		13+380		13+360		13+340		13+320		13+300		13+280		13+260		13+240		13+220		13+200	CENTERLINE CHAINAGE	

01	M.K.	15NOV19	ISSUED FOR 30% REVIEW	M.K.
NO.	BY	DATE	REVISIONS	CHECKED

**Public Works & Engineering**  
**Capital Works**

PROJECT	DWG. NO.		
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**EAST WEST**  
**STA. 13+480 TO STA. 13+200**

Description

**PROPOSED RECONSTRUCTION**

SURVEYED BY: BRAMPTON	DATE: NOVEMBER 15, 2019	FILE NO.	xxxxxx
DRAWN BY: A. KARAMBAKSHIAN	CHECKED BY: M. KHAN	DRAWING NO.	
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