

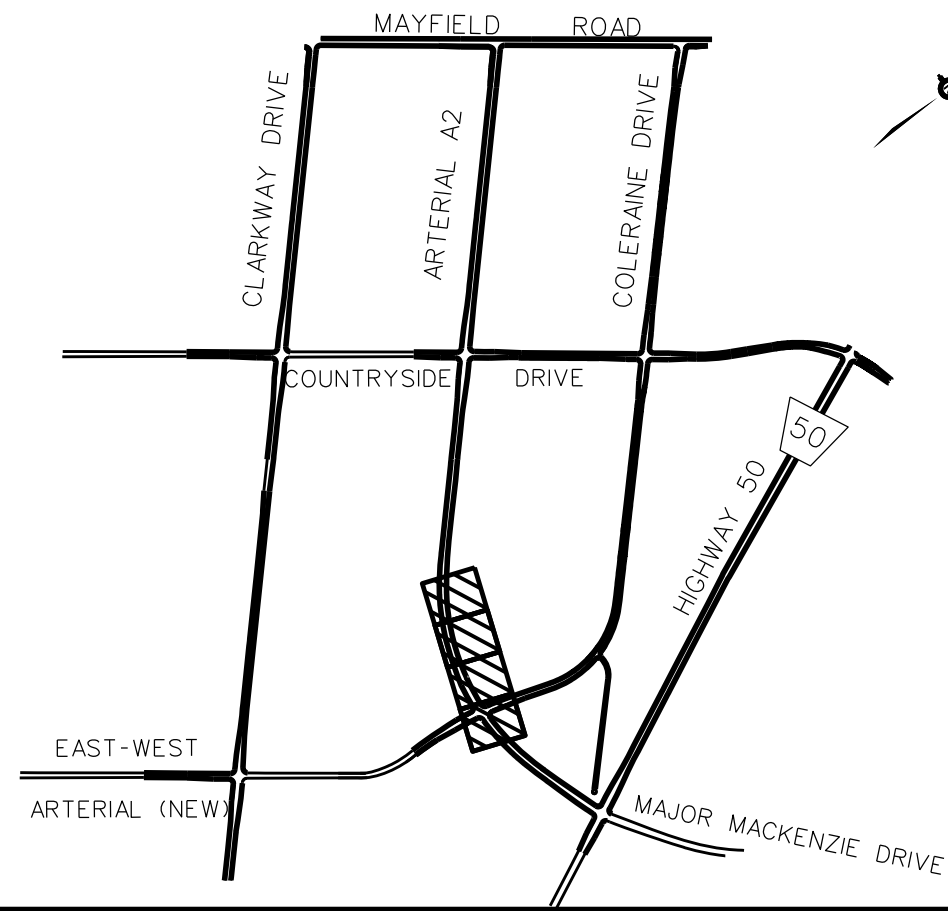
APPENDIX

R STREETLIGHTING DESIGN

A large, white, stylized chevron shape pointing downwards, located in the lower-left quadrant of the page. It is composed of two white triangles meeting at a point at the bottom.

N1-10SL-XX

KEY MAP



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EX SL - EXISTING SIL CABLE
- HCU - HYDRO CABLE UNDERGROUND
- HCA - HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OF THEM.

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ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

- POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.

STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER
				TOS-30 MATERIAL					
				TRS-35 TAPERED					

SCHEDULE OF APPROVALS

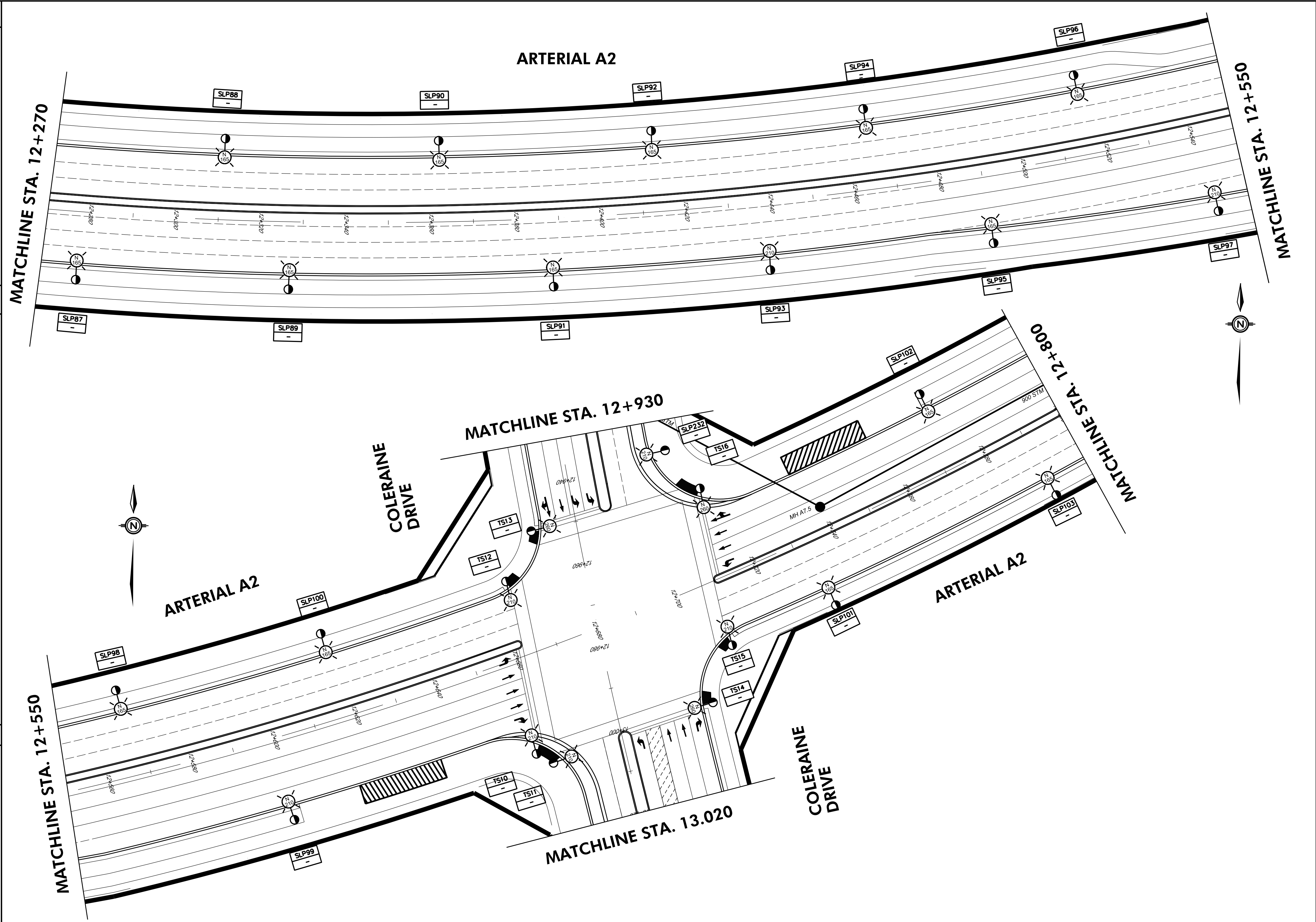
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1	JULY 16/21	NM	ISSUED FOR 30% REVIEW	CV
2	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM
3	JUNE 29/22	VS	RE-ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500
 DESIGNED BY: M.M.
 CHECKED BY: M.M.
 DATE: July 16, 2021
 APPROVAL:
 CONTRACT NO: 2013-012
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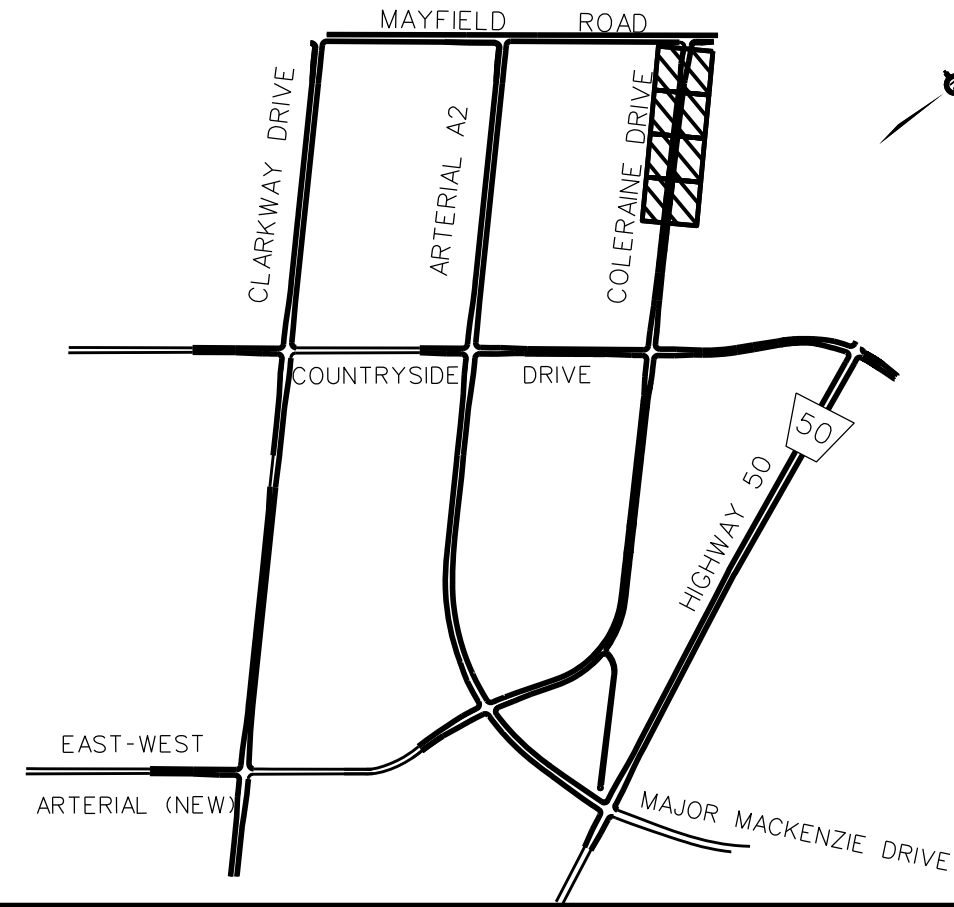


ARTERIAL A2
 COUNTRYSIDE DRIVE TO COLERAINE DRIVE
 PROPOSED STREET LIGHTING - LAYOUT V

DWG. NO.: N1-10SL-XX SHT NO.: SL-6



KEY MAP



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EXISTING SIL CABLE
- HYDRO CABLE UNDERGROUND
- HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

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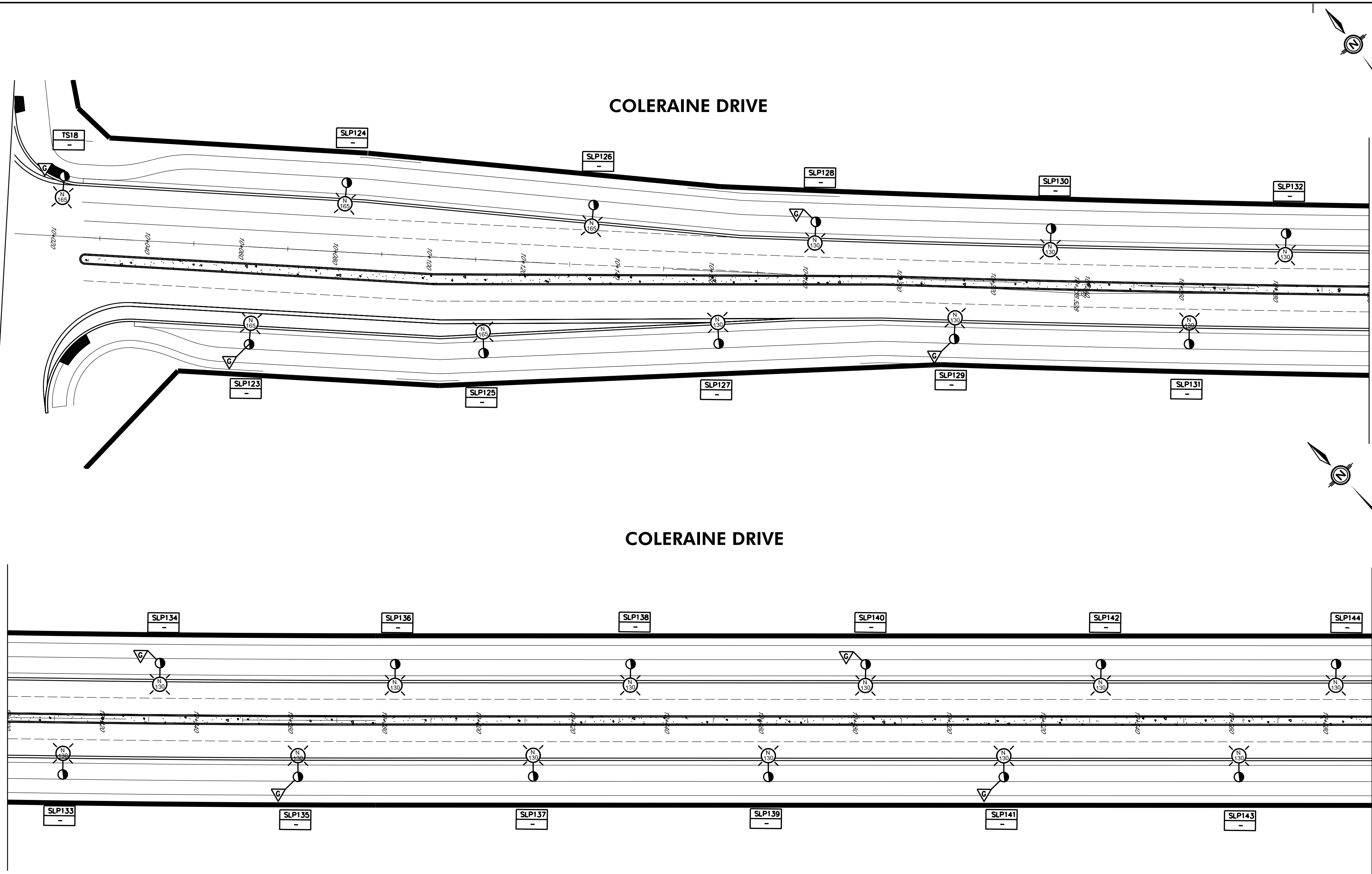


COLERAINE DRIVE
 MAYFIELD ROAD TO COUNTRYSIDE DRIVE
 PROPOSED STREET LIGHTING - LAYOUT VII

DWG. NO.: N1-10SL-XX SHT NO.: SL-8

STA. 10+010

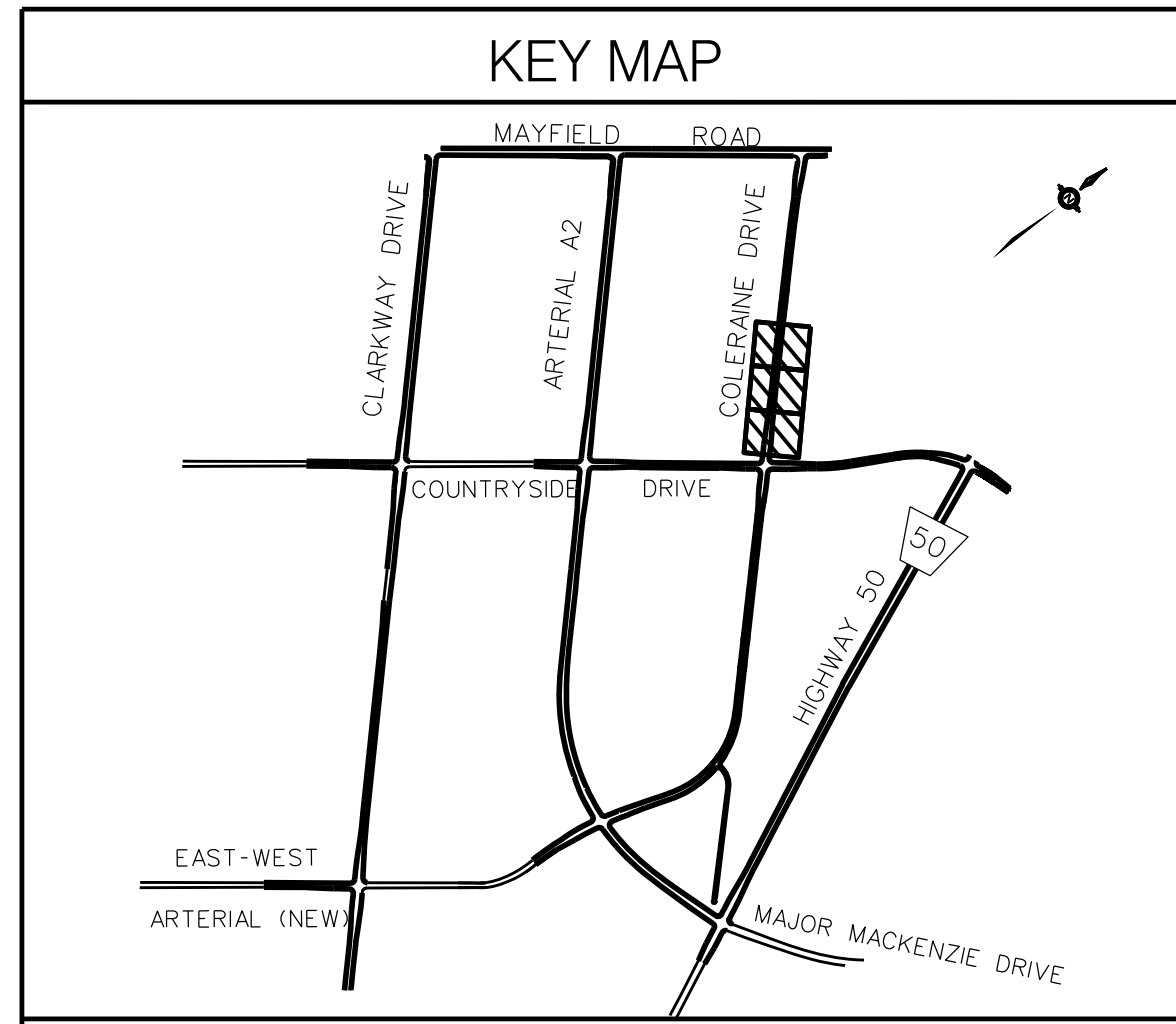
MATCHLINE STA. 10+300



MATCHLINE STA. 10+300

MATCHLINE STA. 10+590

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG (TYPE: SLP - Existing, SLP - New, R - Removal)

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING OH SIL CABLE
- NEW OH SIL CABLE

WIRING

- EX SL - EXISTING SIL CABLE
- HCU - HYDRO CABLE UNDERGROUND
- HCA - HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

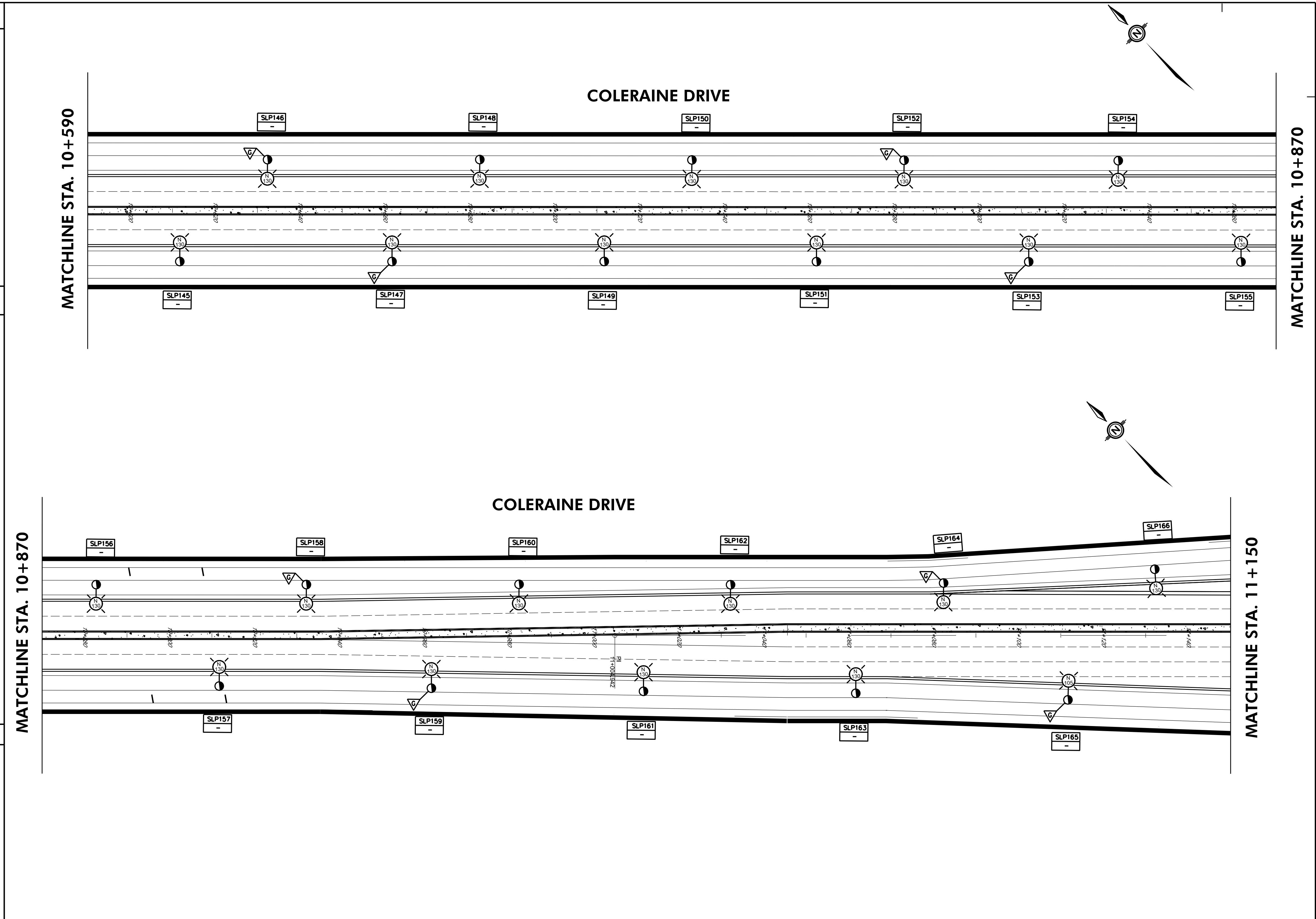
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STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

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CONTRACT NO: 2013-012 APPROVAL DATE: _____

Moon-Matz Ltd.
Consulting Engineers

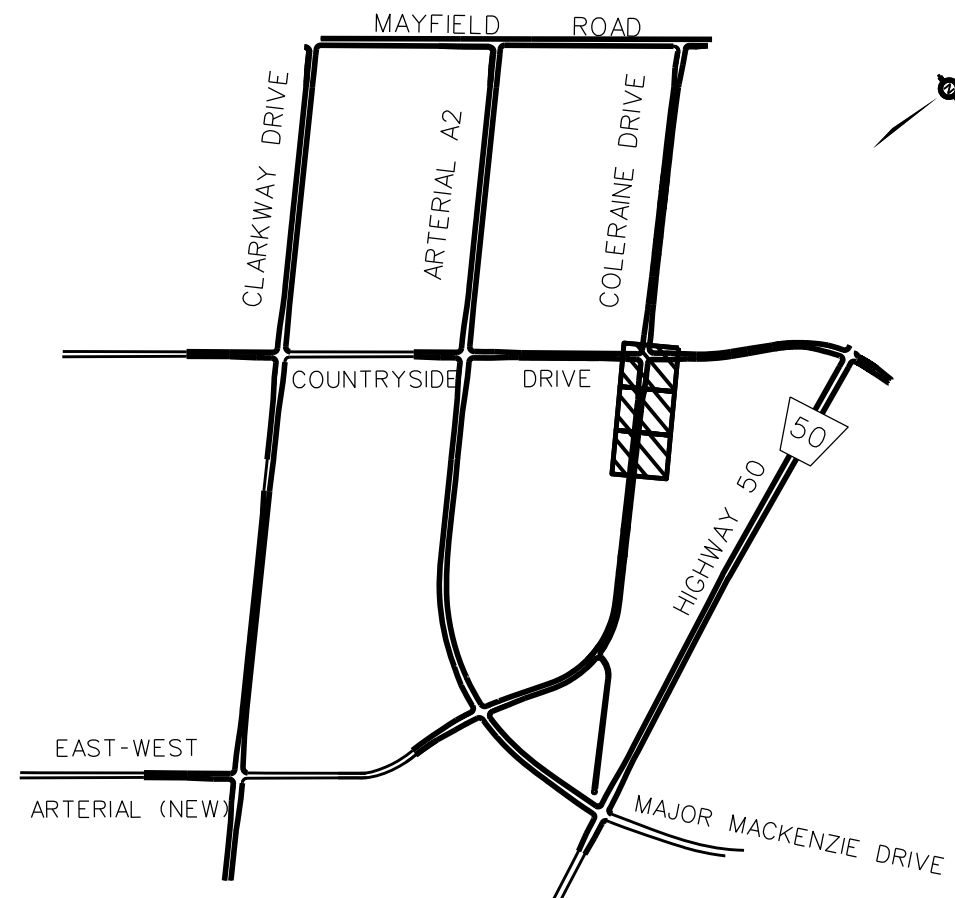
BRAMPTON Flower City Planning and Infrastructure Services
Public Works

COLERAINE DRIVE
MAYFIELD ROAD TO COUNTRYSIDE DRIVE
PROPOSED STREET LIGHTING - LAYOUT VIII

DWG. NO.: N1-10SL-XX SHT NO.: SL-9

N1-10SL-XX

KEY MAP



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

⊗	EXISTING CONCRETE POLE	●	EXISTING STEEL POLE
○	NEW CONCRETE POLE	⊗	EXISTING HANDWELL (300mm)
⊙	TEMPORARY WOOD POLE	⊗	NEW HANDWELL (300mm)
⊚	EXISTING WOOD POLE	⊗	EXISTING JUNCTION BOX (450mm)
⊛	EXISTING CIRCULAR SPUN ALUMINUM POLE	⊗	NEW JUNCTION BOX (450mm)
⊜	NEW CIRCULAR SPUN ALUMINUM POLE	⊗	EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

⊙	EXISTING LUMINAIRE ON BRACKET	⊗	IN-LINE FUSE
⊚	NEW LUMINAIRE ON BRACKET	⊗	GROUND PLATE
⊛	INDICATES REMOVAL	⊗	BACKGUY
⊜	INDICATES ABANDON	⊗	STREET LIGHT IDENTIFICATION TAG

[TYPE] [POLE #] (TYPE: ELP = Existing; SLP = New; R = Removal)

POWER CONNECTIONS

HC Txxxx	HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER	PS SLxxxx	POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
△	EXISTING POLE-MOUNT TRANSFORMER	⊗	POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
▲	PROPOSED POLE-MOUNT TRANSFORMER	⊗	50A IN-POLE BREAKER
J	HYDRO-OWNED JUNCTION BOX	⊗	DOUBLE 50A IN-POLE BREAKER

DUCTS

- - - -	EXISTING 50mm RIGID PVC DUCT	- - - -	NEW 100mm RIGID PVC DUCT
- - - -	NEW 50mm RIGID PVC DUCT	~~~~~	EXISTING O/H SIL CABLE
- - - -	EXISTING 100mm RIGID PVC DUCT	~~~~~	NEW O/H SIL CABLE

WIRING

— EX SL	EXISTING SIL CABLE	□	DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM
— HCU	HYDRO CABLE UNDERGROUND		
— HCA	HYDRO CABLE AERIAL		

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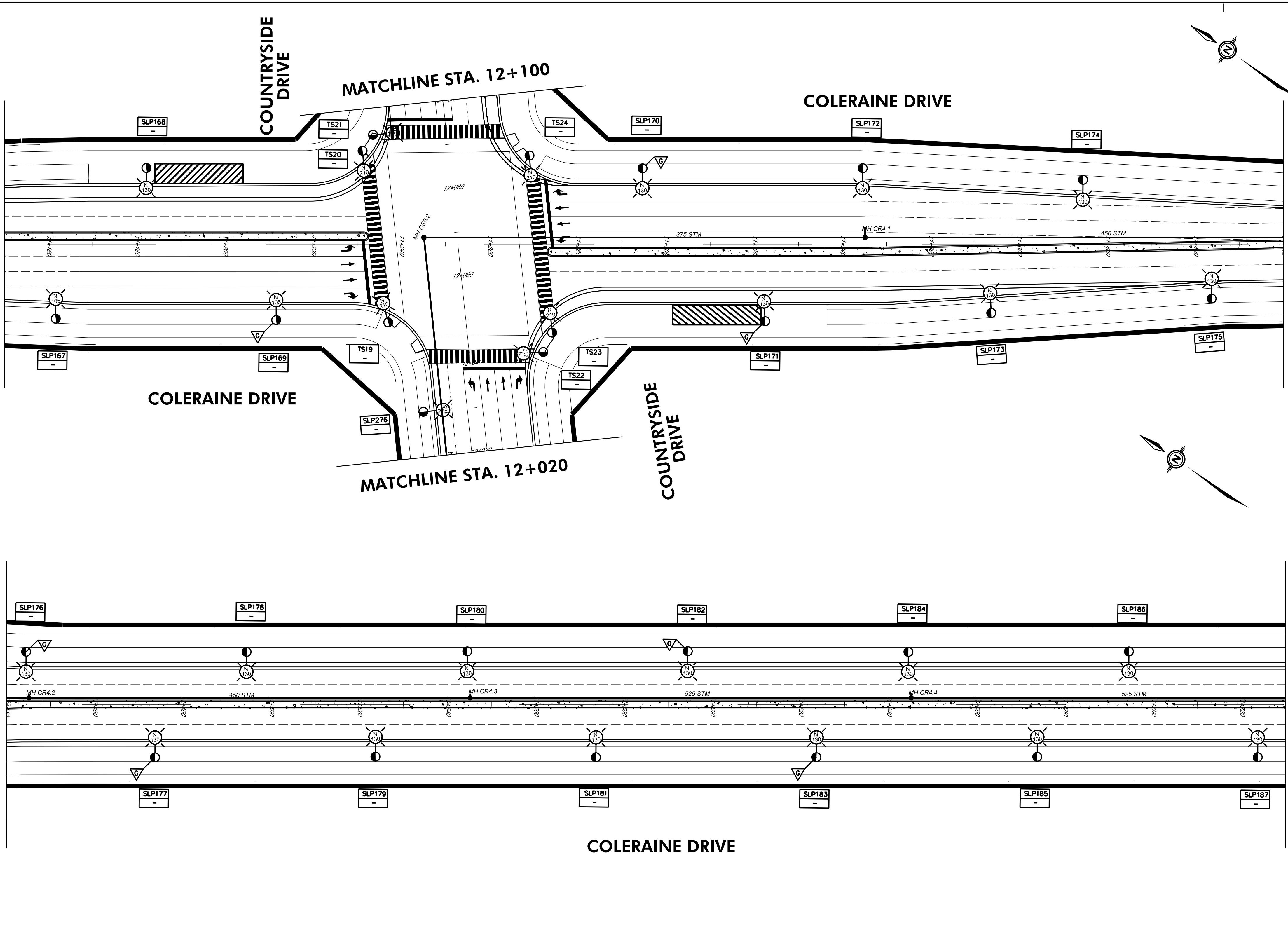
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 DESIGNED BY: M.M.
 CHECKED BY: M.M.
 DATE: July 16, 2021
 APPROVAL: _____
 CONTRACT NO: 2013-012
 APPROVAL DATE: _____

COLERAINE DRIVE
 COUNTRYSIDE DRIVE TO ARTERIAL A2
 PROPOSED STREET LIGHTING - LAYOUT IX

DWG. NO.: N1-10SL-XX | **SHT NO.: SL-10**

MATCHLINE STA. 11+150

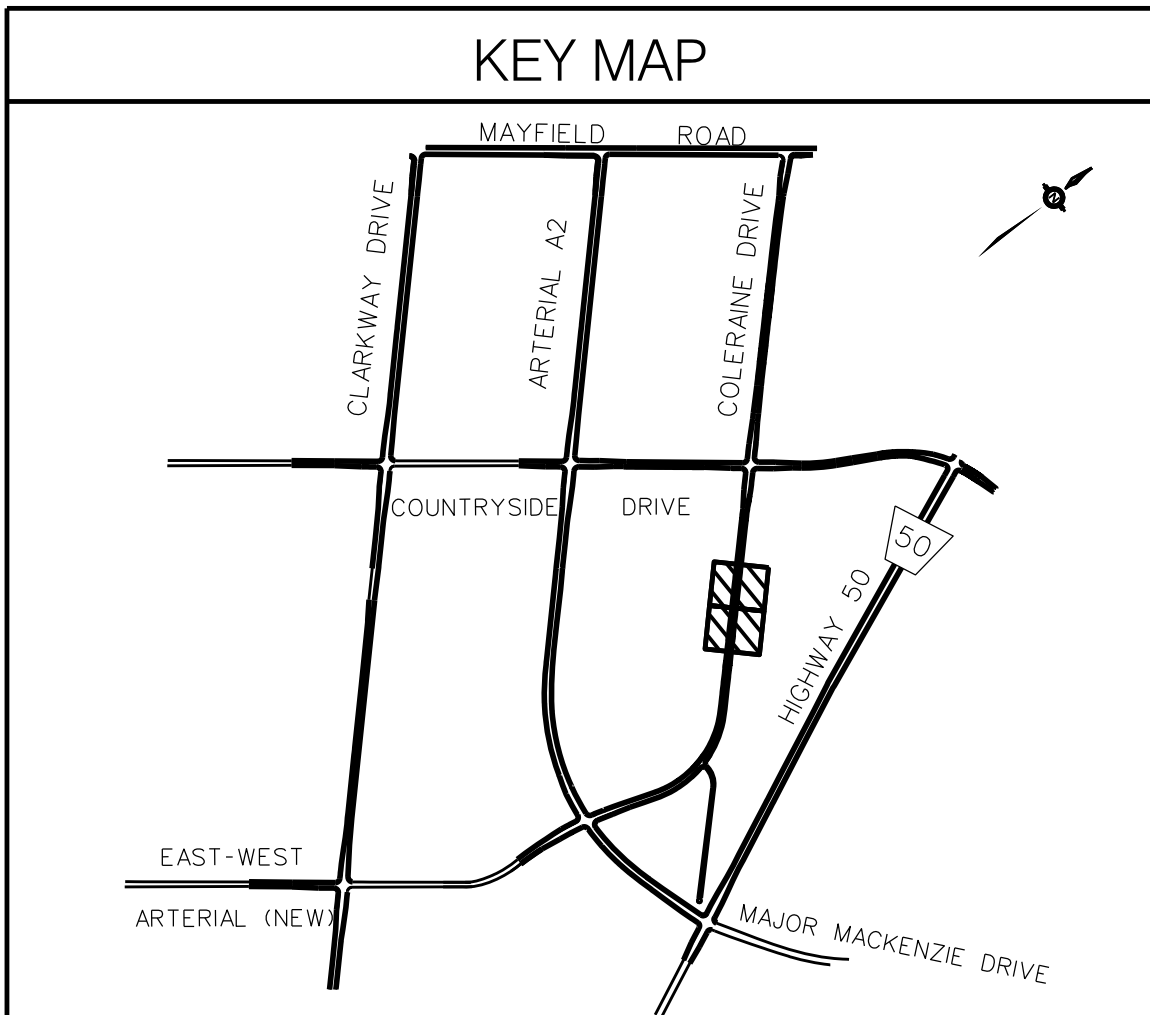
MATCHLINE STA. 11+440



MATCHLINE STA. 11+440

MATCHLINE STA. 11+730

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

⊗	EXISTING CONCRETE POLE	●	EXISTING STEEL POLE
○	NEW CONCRETE POLE	⊙	EXISTING HANDWELL (300mm)
⊙	TEMPORARY WOOD POLE	⊗	NEW HANDWELL (300mm)
⊗	EXISTING WOOD POLE	⊙	EXISTING JUNCTION BOX (450mm)
⊙	EXISTING CIRCULAR SPUN ALUMINUM POLE	⊗	NEW JUNCTION BOX (450mm)
●	NEW CIRCULAR SPUN ALUMINUM POLE	⊙	EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

⊙	EXISTING LUMINAIRE ON BRACKET	—	IN-LINE FUSE
○	NEW LUMINAIRE ON BRACKET	⚡	GROUND PLATE
×	INDICATES REMOVAL	⊕	BACKGUY
×	INDICATES ABANDON	⊗	STREET LIGHT IDENTIFICATION TAG

POWER CONNECTIONS

HC Txxxx	HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER	PS SLxxxx	POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
△	EXISTING POLE-MOUNT TRANSFORMER	SLxxxx	POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
▲	PROPOSED POLE-MOUNT TRANSFORMER	SLxxxx	50A IN-POLE BREAKER
J	HYDRO-OWNED JUNCTION BOX	2P-50A SLxxxx	DOUBLE 50A IN-POLE BREAKER

DUCTS

---	EXISTING 50mm RIGID PVC DUCT	---	NEW 100mm RIGID PVC DUCT
---	NEW 50mm RIGID PVC DUCT	---	EXISTING O/H SIL CABLE
---	EXISTING 100mm RIGID PVC DUCT	---	NEW O/H SIL CABLE

WIRING

---	EX SL — EXISTING SIL CABLE	□	DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM
---	HCU — HYDRO CABLE UNDERGROUND		
---	HCA — HYDRO CABLE AERIAL		

GENERAL NOTES

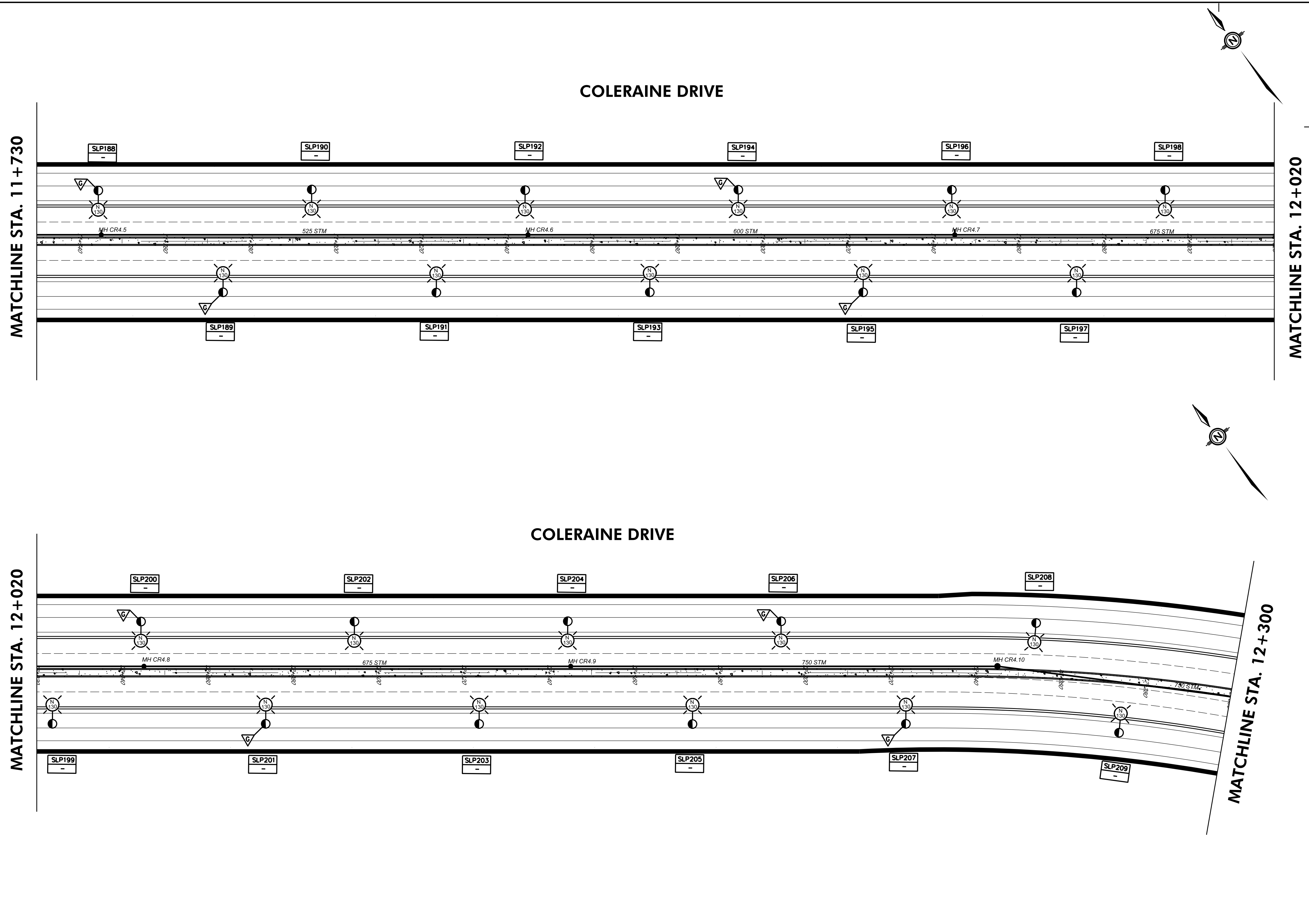
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STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

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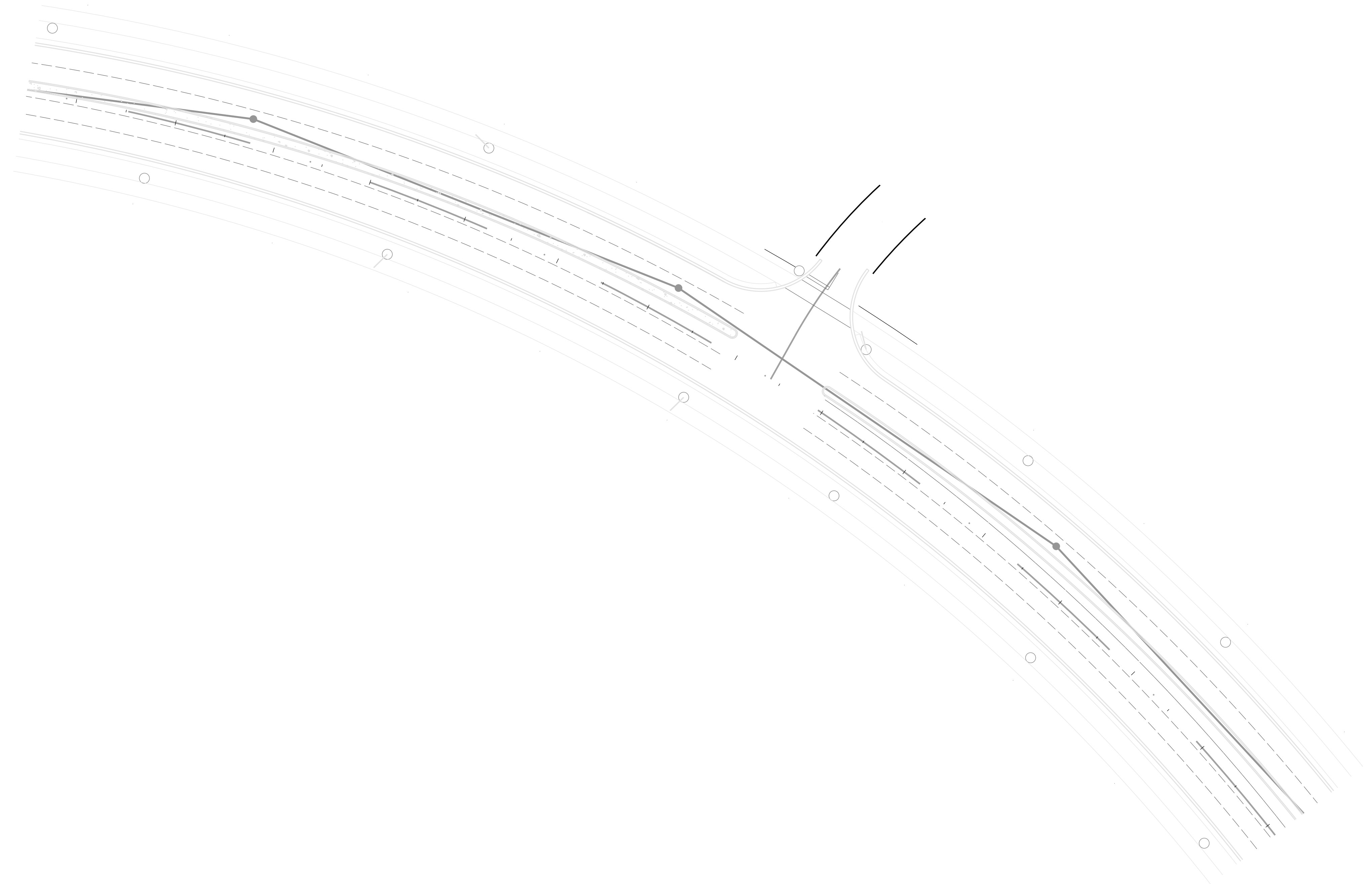
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Moon-Matz Ltd.
Consulting Engineers

BRAMPTON Flower City
Planning and Infrastructure Services
Public Works

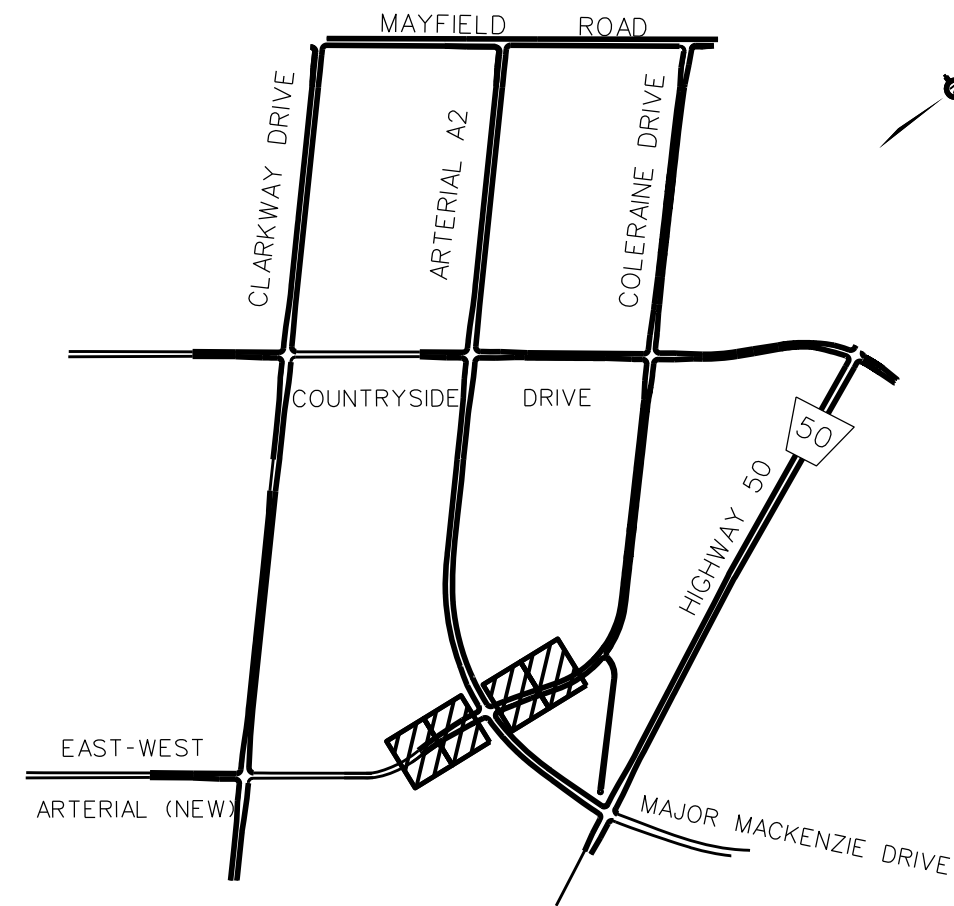
COUNTRYSIDE DRIVE
CLARKWAYS DRIVE TO ARTERIAL A2
PROPOSED STREET LIGHTING - LAYOUT X

DWG. NO.: N1-10SL-XX SHT NO.: SL-11



N1-10SL-XX

KEY MAP



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- INDICATES REMOVAL
- INDICATES ABANDON
- STREET LIGHT IDENTIFICATION TAG
([TYPE]: ELP = Existing; SLP = New; R = Removal)

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EX SIL — EXISTING SIL CABLE
- HCU — HYDRO CABLE UNDERGROUND
- HCA — HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

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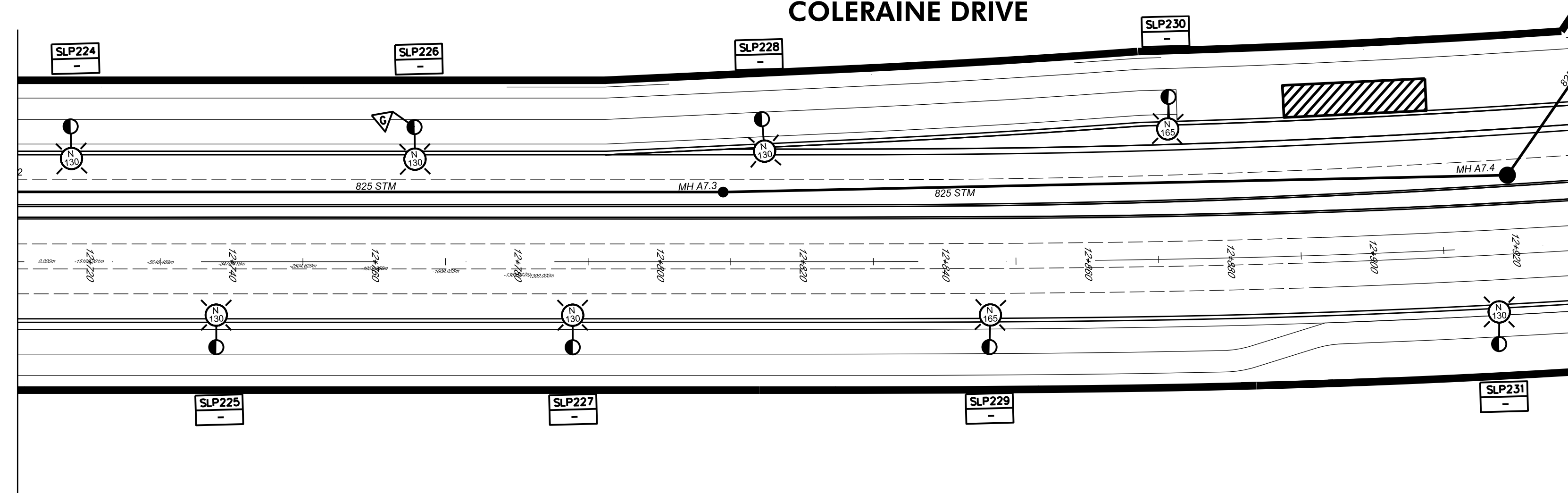
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BRAMPTON Planning and Infrastructure Services
Flower City
Public Works
brampton.ca

COLERAINE DRIVE
COUNTRYSIDE DRIVE TO ARTERIAL A2
PROPOSED STREET LIGHTING - LAYOUT XII

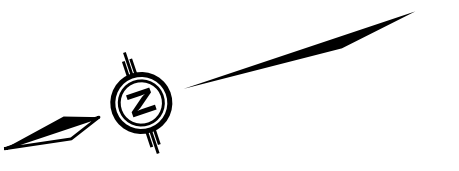
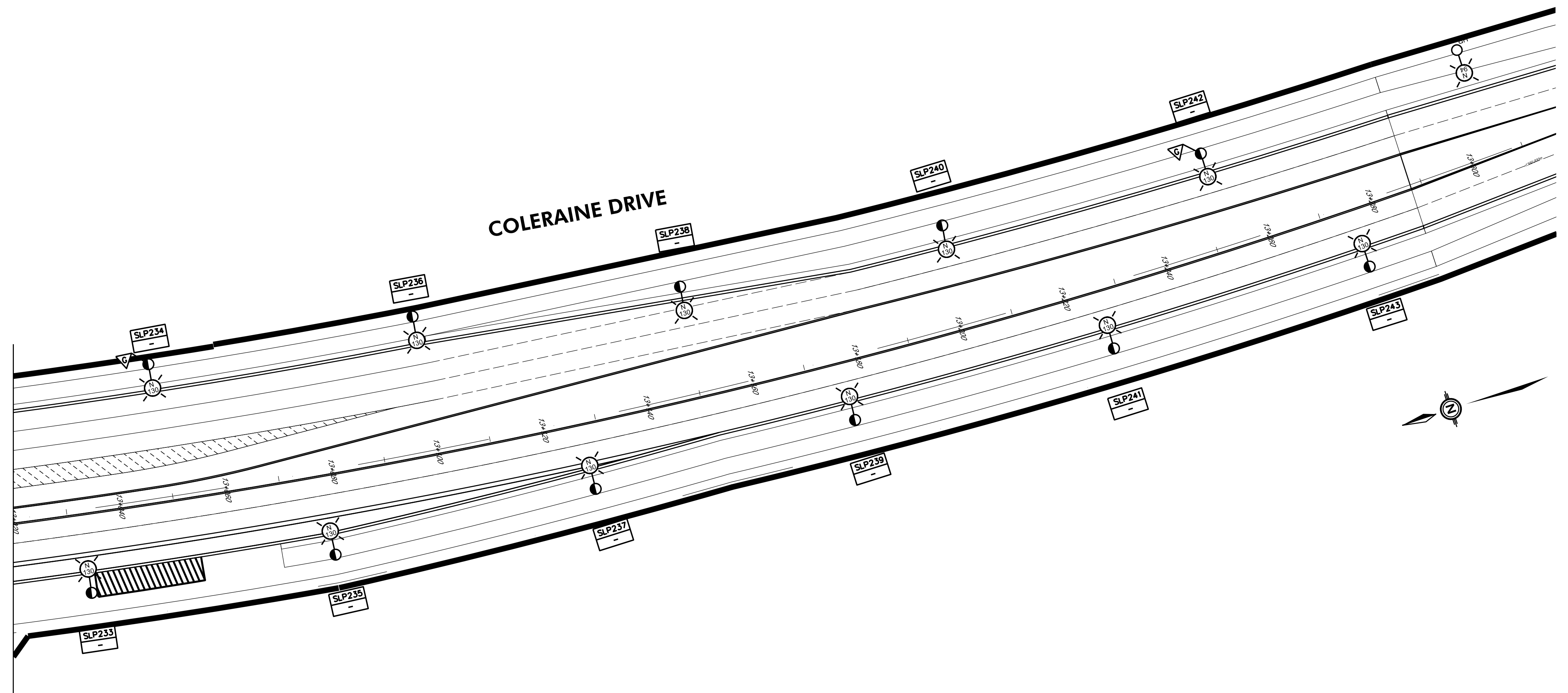
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MATCHLINE STA. 12+710

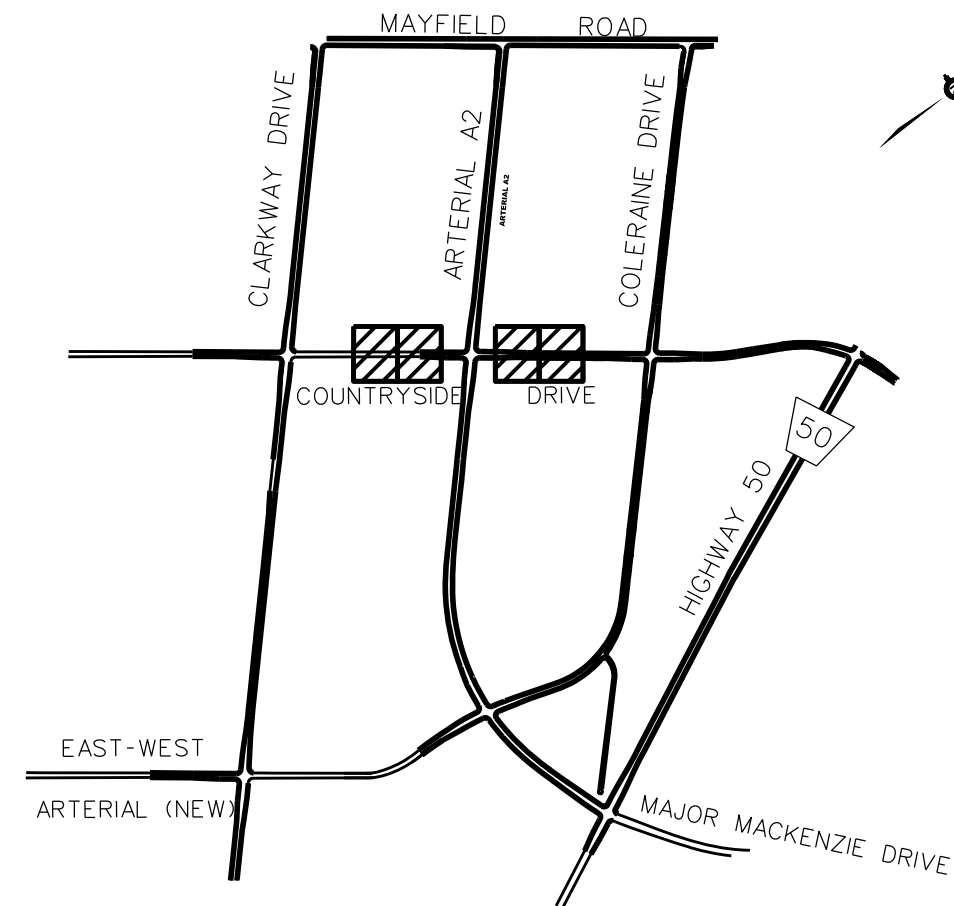


MATCHLINE STA. 12+930

MATCHLINE STA. 13+020



KEY MAP



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- ⊗ EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- ⊙ TEMPORARY WOOD POLE
- ⊙ EXISTING WOOD POLE
- ⊙ EXISTING CIRCULAR SPUN ALUMINUM POLE
- ⊙ NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- ☀ EXISTING LUMINAIRE ON BRACKET
- ☀ NEW LUMINAIRE ON BRACKET
- ✕ INDICATES REMOVAL
- ✕ INDICATES ABANDON
- [TYPE]xx [POLE #] STREET LIGHT IDENTIFICATION TAG
(TYPE: ELP = Existing; SLP = New; R = Removal)
- ⚡ IN-LINE FUSE
- ⚡ GROUND PLATE
- ⚡ BACKGUY

POWER CONNECTIONS

- HC Txxxxx HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- △ EXISTING POLE-MOUNT TRANSFORMER
- ▲ PROPOSED POLE-MOUNT TRANSFORMER
- J HYDRO-OWNED JUNCTION BOX
- PS SLxxxxx POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- ⊗ SLxxxxx POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EX SL --- EXISTING SIL CABLE
- HCU --- HYDRO CABLE UNDERGROUND
- HCA --- HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OF THEM.

THE CONTRACTOR SHALL MAINTAIN EXISTING ILLUMINATION AT ALL TIMES.

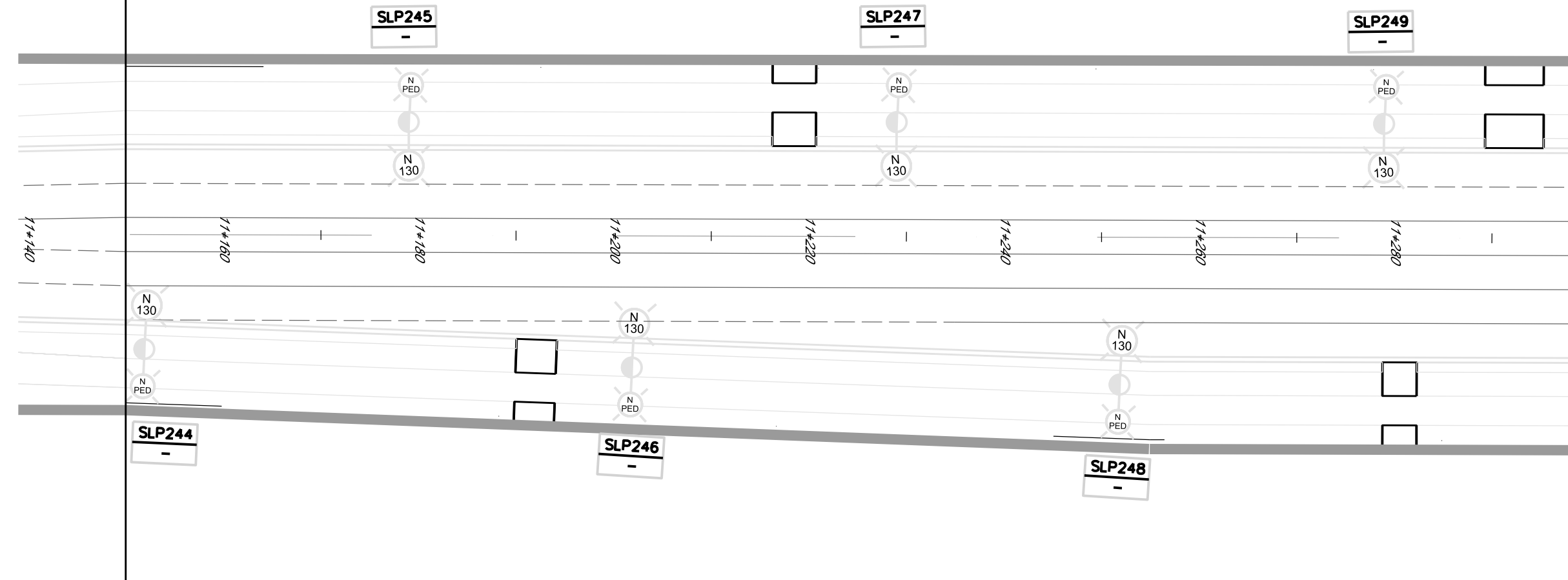
ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

- POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.

LIMIT OF ELECTRICAL WORK
STA. 11+150

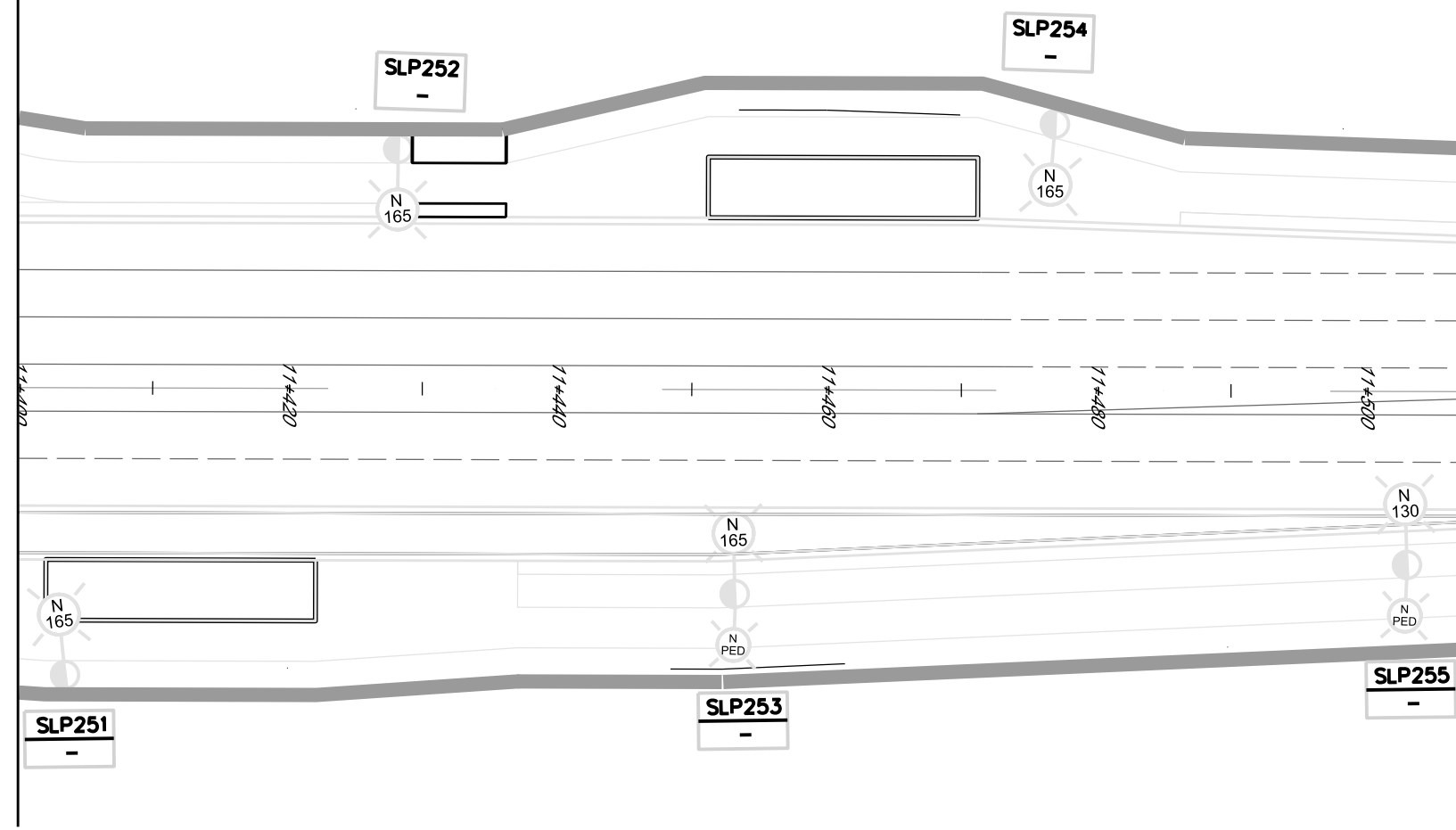
COUNTRYSIDE DRIVE



MATCHLINE STA. 11+300

MATCHLINE STA. 11+400

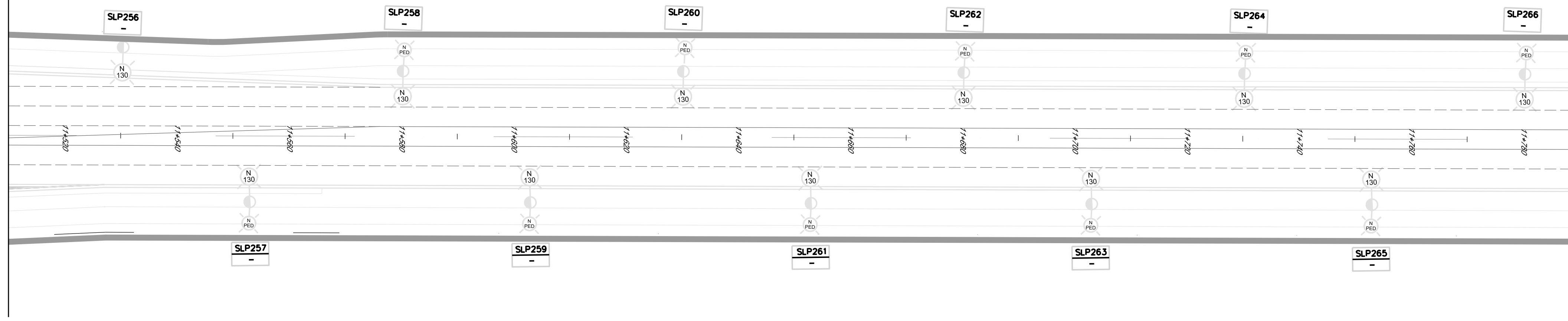
COUNTRYSIDE DRIVE



MATCHLINE STA. 11+510

MATCHLINE STA. 11+510

COUNTRYSIDE DRIVE



MATCHLINE STA. 11+790

STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	JULY 16/21	NM	ISSUED FOR 30% REVIEW	CV
2	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM
3	JUNE 29/22	VS	RE-ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

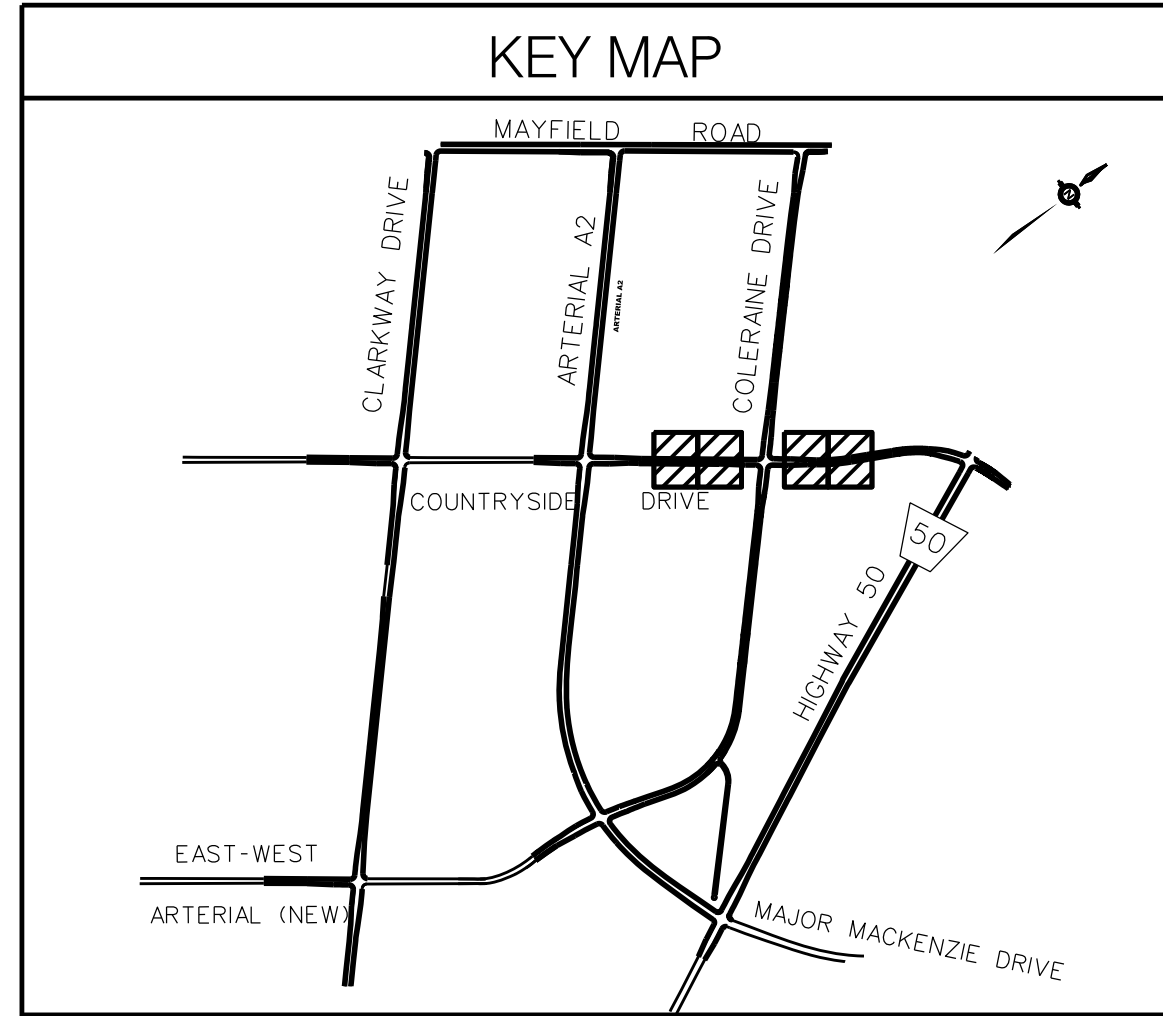
DATE: July 16, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____

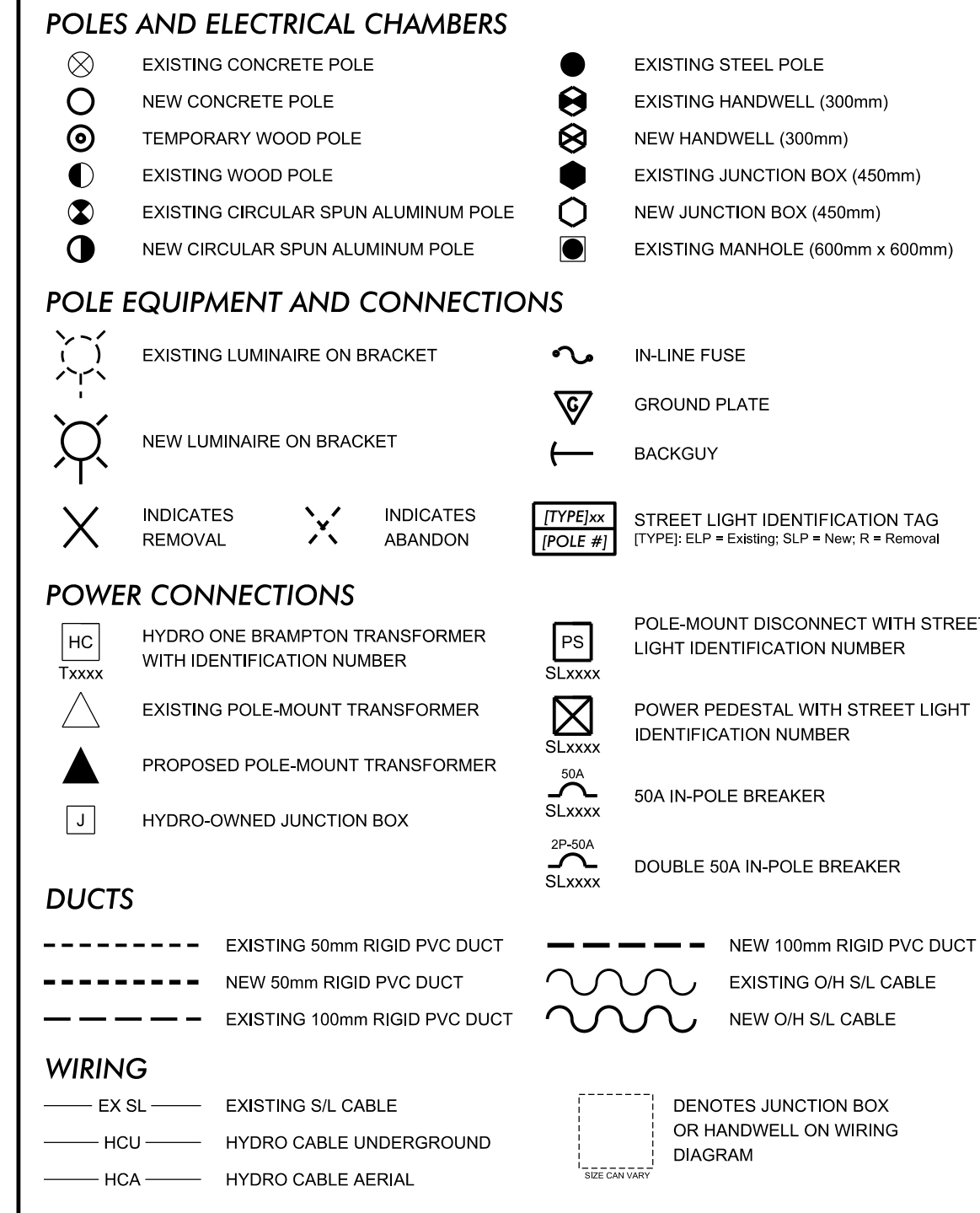


COUNTRYSIDE DRIVE
HIGHWAY 8 TO CLARKWAY DRIVE
PROPOSED STREET LIGHTING - LAYOUT XIII

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND



GENERAL NOTES

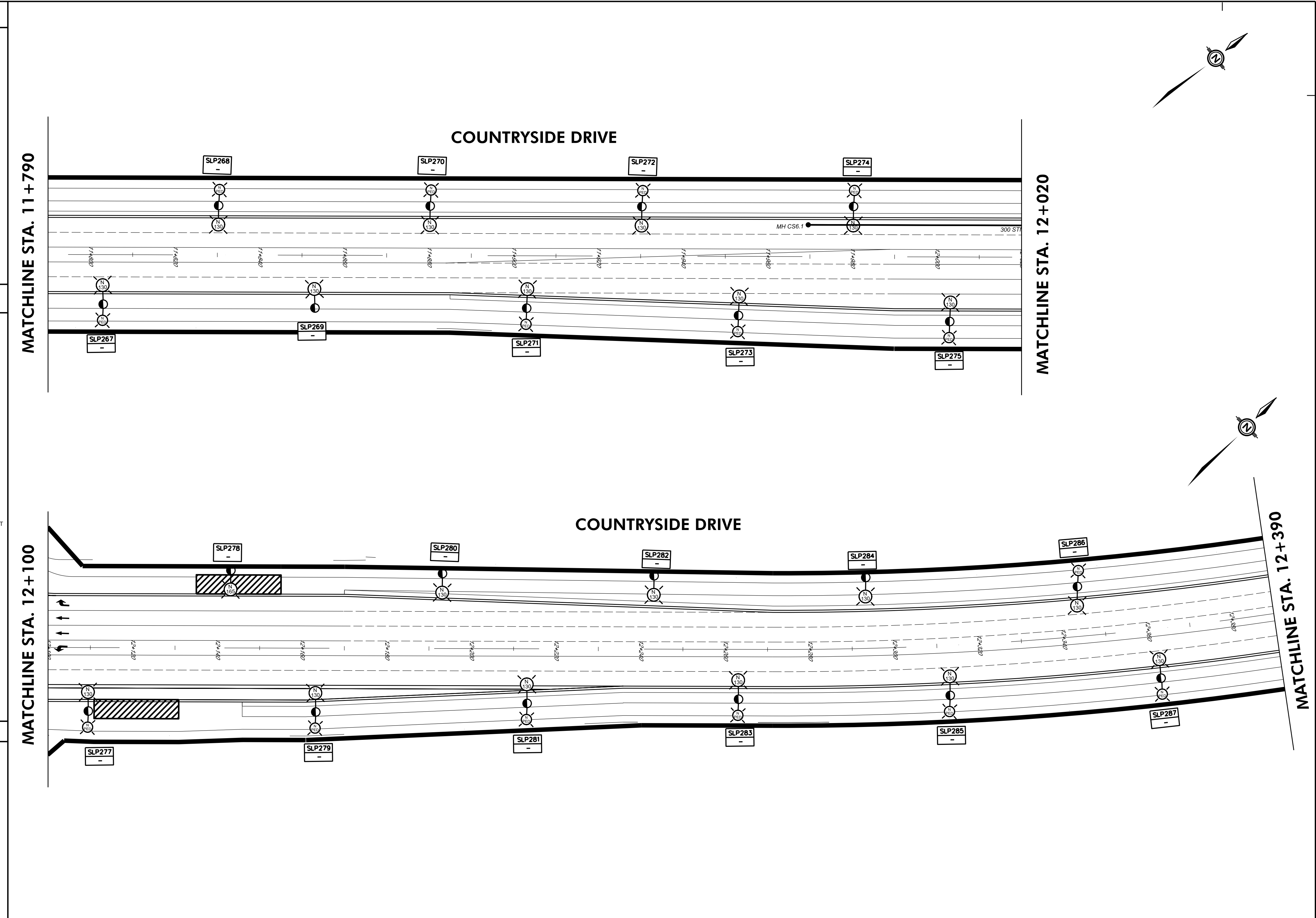
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ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

- POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	JULY 16/21	NM	ISSUED FOR 30% REVIEW	CV
2	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM
3	JUNE 29/22	VS	RE-ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500
 DESIGNED BY: M.M. CHECKED BY: M.M.
 DATE: July 16, 2021
 APPROVAL: _____
 CONTRACT NO: 2013-012 APPROVAL DATE: _____

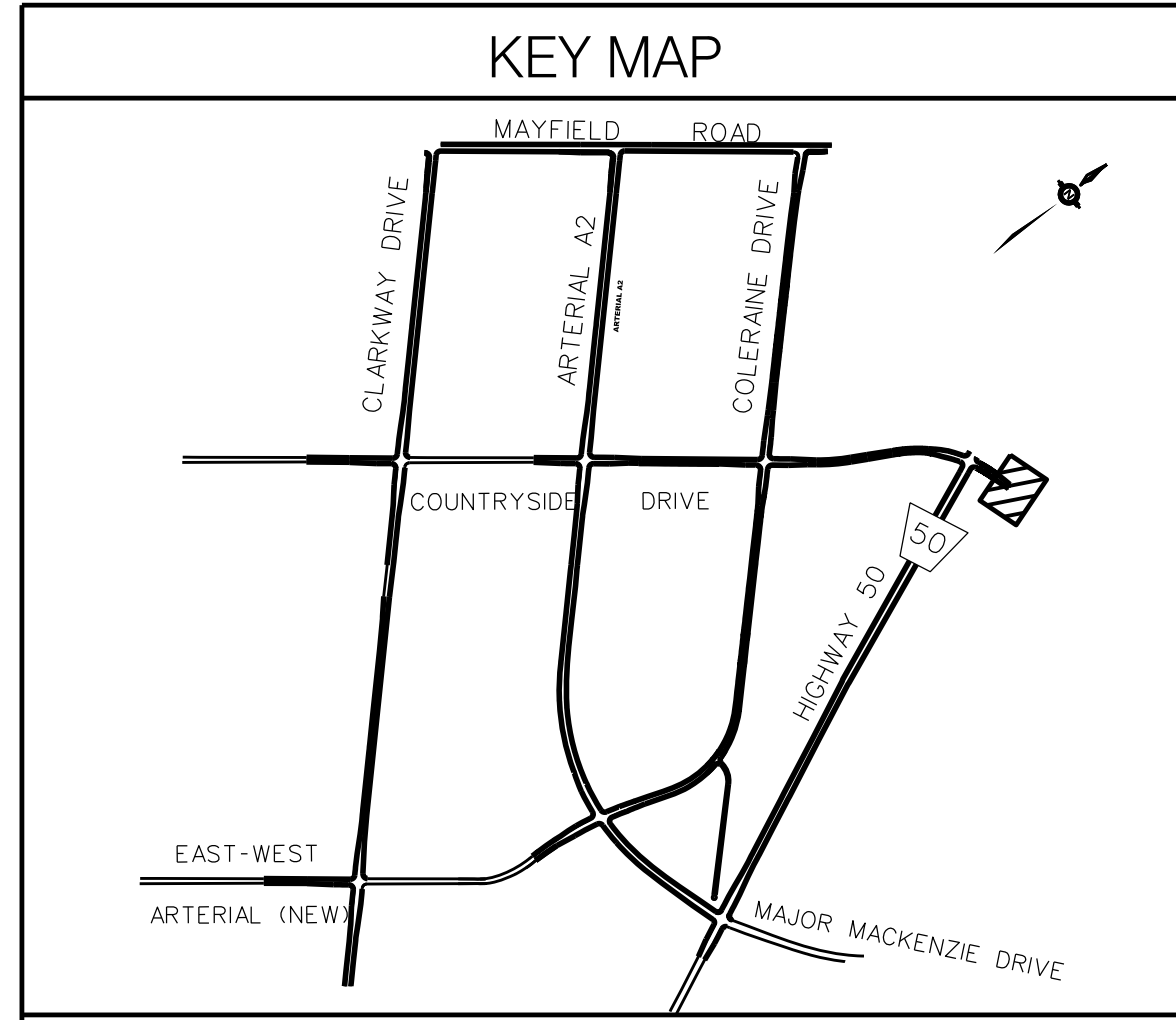
Moon-Matz Ltd. Consulting Engineers

BRAMPTON Flower City Planning and Infrastructure Services Public Works

COUNTRYSIDE DRIVE
 CLARKWAY DRIVE TO COLERAINE DRIVE
 PROPOSED STREET LIGHTING - LAYOUT XIV

DWG. NO.: N1-10SL-XX SHT NO.: SL-15

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG (TYPE, SLP #)

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EX SL - EXISTING SIL CABLE
- HCU - HYDRO CABLE UNDERGROUND
- HCA - HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

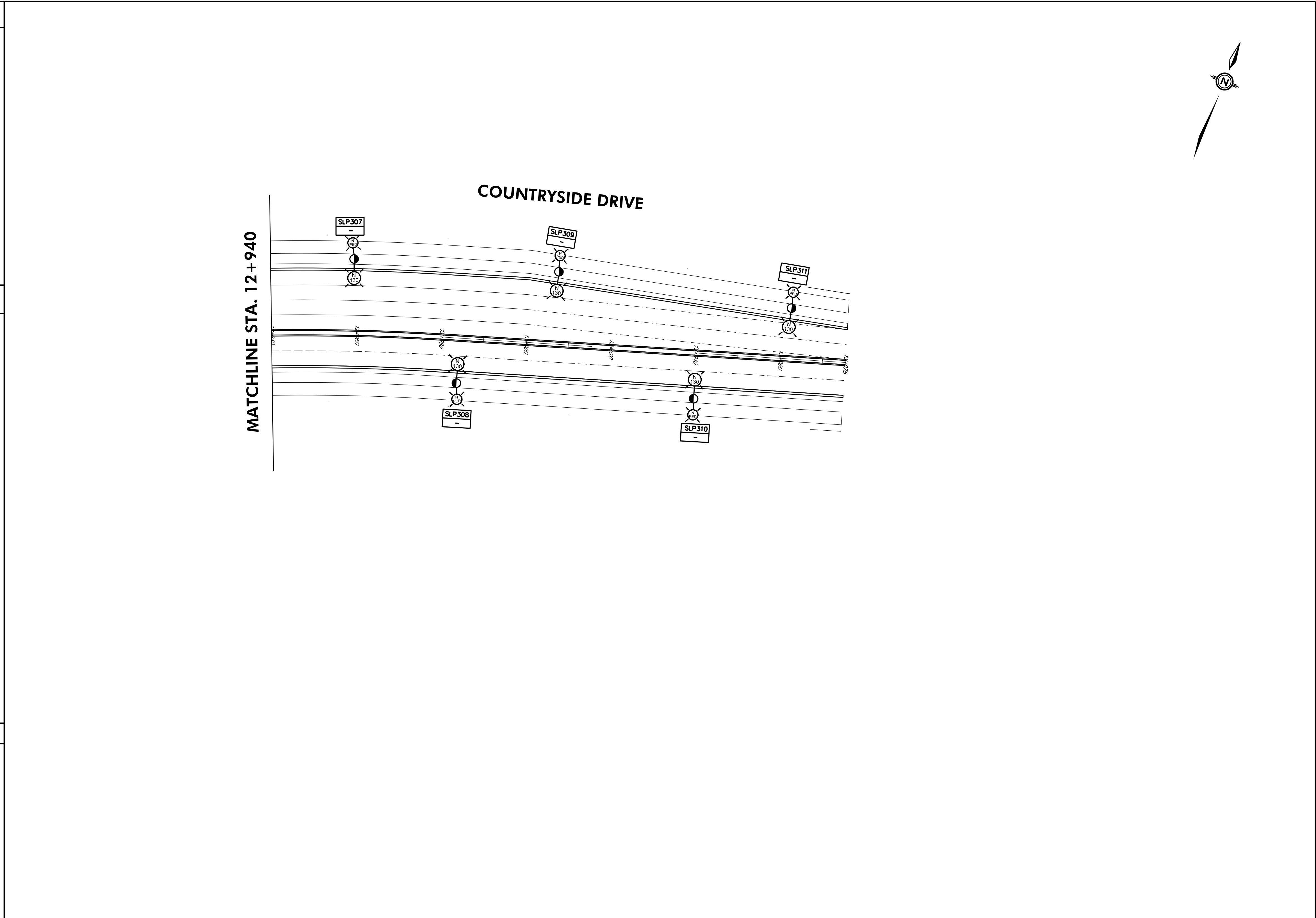
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ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

1. POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE				ARM & HEAD				GROUND ROD	IN-POLE BREAKER
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE		
				TRS-35 TAPERED									

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	JULY 16/21	NM	ISSUED FOR 30% REVIEW	CV
2	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM
3	JUNE 29/22	VS	RE-ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

DATE: July 16, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____

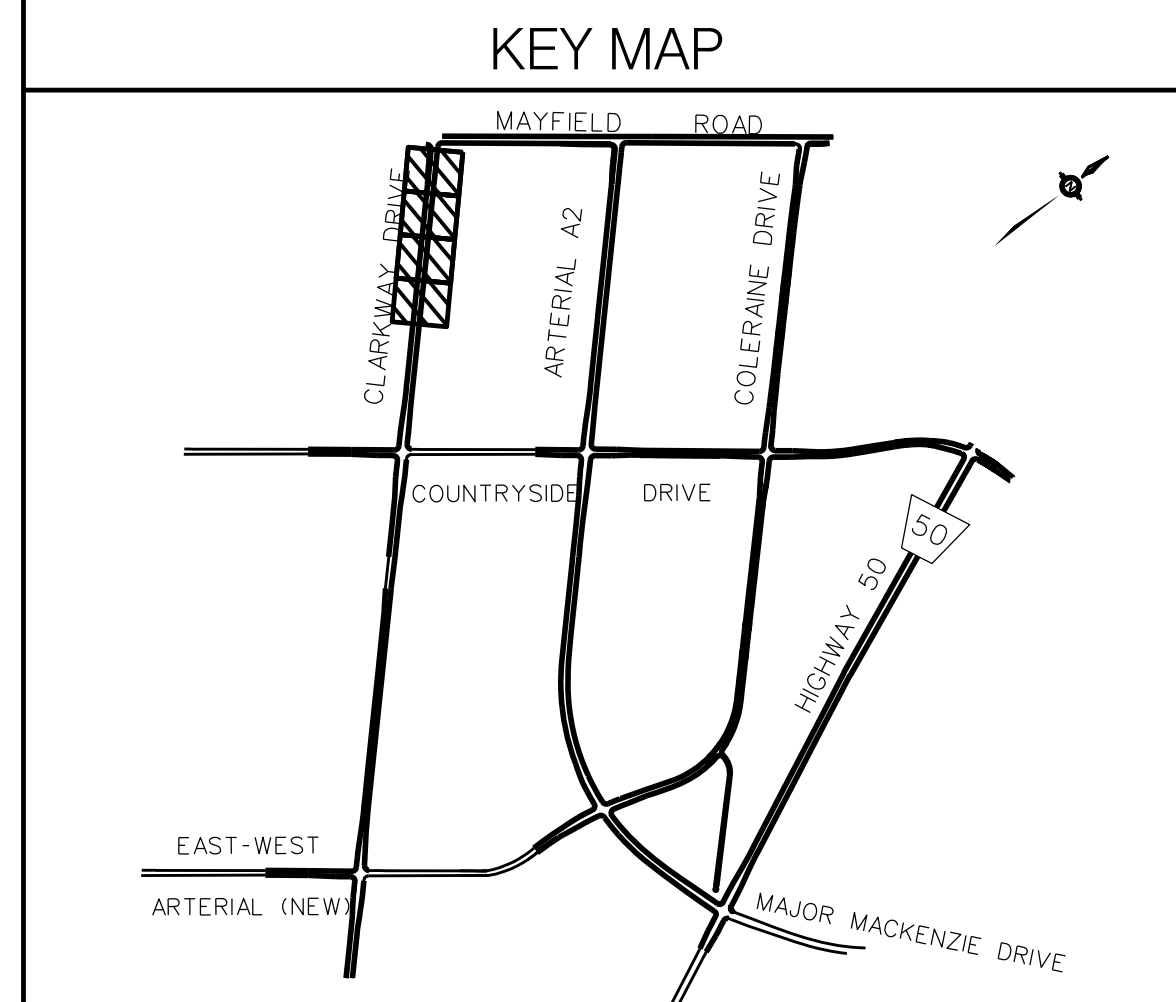
Moon-Matz Ltd.
Consulting Engineers

BRAMPTON
Flower City

Planning and Infrastructure Services
Public Works

COUNTRYSIDE DRIVE
CLARKWAY DRIVE TO COLERAINE DRIVE
PROPOSED STREET LIGHTING - LAYOUT XVI

DWG. NO.: N1-10SL-XX SHT NO.: SL-17



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

⊗	EXISTING CONCRETE POLE	●	EXISTING STEEL POLE
○	NEW CONCRETE POLE	⊗	EXISTING HANDWELL (300mm)
⊙	TEMPORARY WOOD POLE	⊗	NEW HANDWELL (300mm)
⊙	EXISTING WOOD POLE	⊗	EXISTING JUNCTION BOX (450mm)
⊙	EXISTING CIRCULAR SPUN ALUMINUM POLE	⊗	NEW JUNCTION BOX (450mm)
⊙	NEW CIRCULAR SPUN ALUMINUM POLE	⊗	EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

⊙	EXISTING LUMINAIRE ON BRACKET	⋈	IN-LINE FUSE
⊙	NEW LUMINAIRE ON BRACKET	⋈	GROUND PLATE
⊙	INDICATES REMOVAL	⋈	BACKGUY
⊙	INDICATES ABANDON	[TYPE]x [POLE #]	STREET LIGHT IDENTIFICATION TAG (TYPE: ELP = Existing, SLP = New, R = Removal)

POWER CONNECTIONS

HC Txxxx	HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER	PS SLxxxx	POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
△	EXISTING POLE-MOUNT TRANSFORMER	⊗ SLxxxx	POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
▲	PROPOSED POLE-MOUNT TRANSFORMER	⊗ SLxxxx	50A IN-POLE BREAKER
□	HYDRO-OWNED JUNCTION BOX	⊗ SLxxxx	DOUBLE 50A IN-POLE BREAKER

DUCTS

- - - -	EXISTING 50mm RIGID PVC DUCT	- - - -	NEW 100mm RIGID PVC DUCT
- - - -	NEW 50mm RIGID PVC DUCT	~ ~ ~ ~	EXISTING OH S/L CABLE
- - - -	EXISTING 100mm RIGID PVC DUCT	~ ~ ~ ~	NEW OH S/L CABLE

WIRING

—	EXISTING S/L CABLE	□	DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM
—	HCU — HYDRO CABLE UNDERGROUND		
—	HCA — HYDRO CABLE AERIAL		

GENERAL NOTES

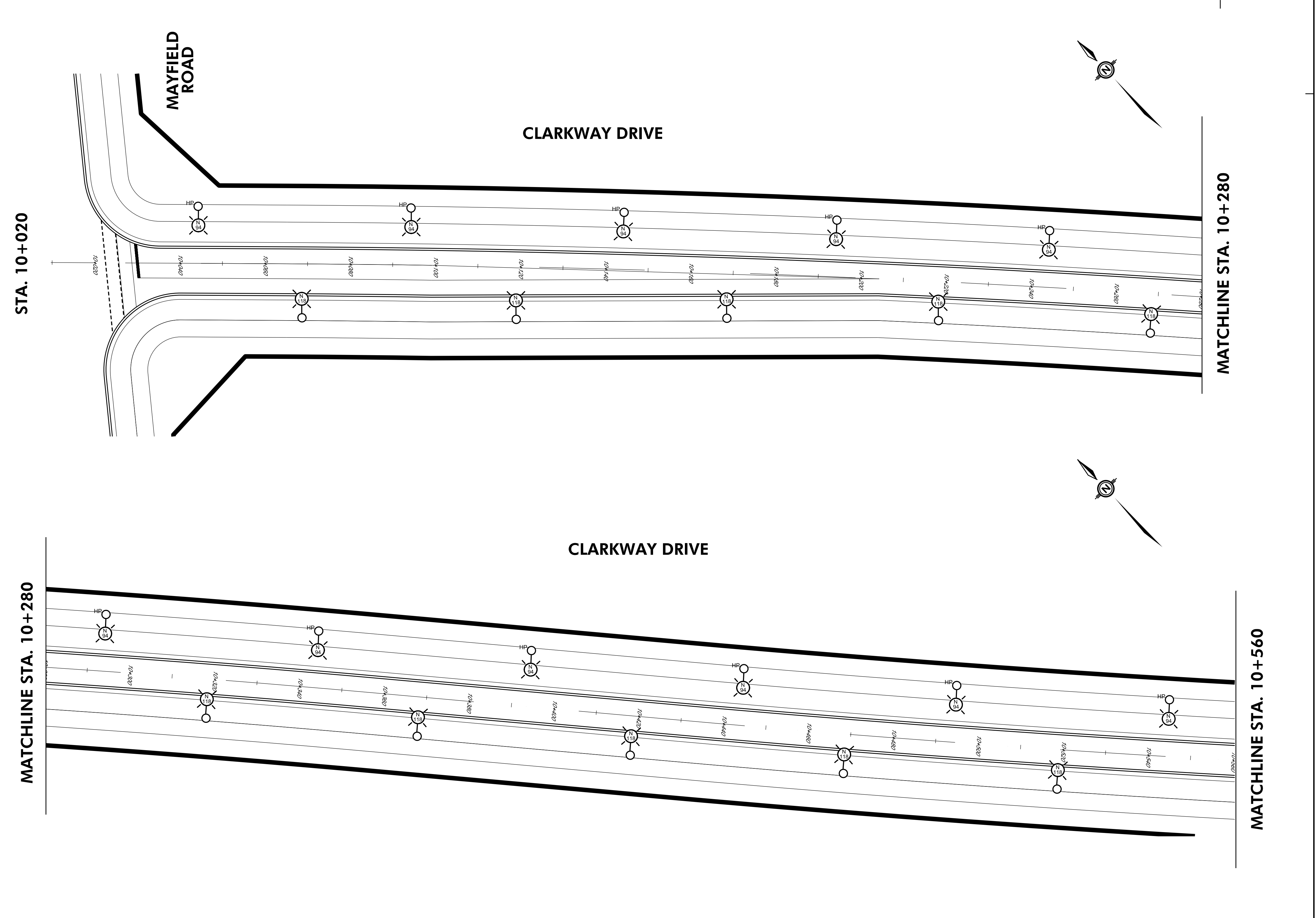
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ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

1. POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE TYPE / MATERIAL	HEIGHT	ARM & HEAD BRACKET	WATTAGE	GROUND ROD	IN-POLE BREAKER

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

DATE: DEC 14, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____

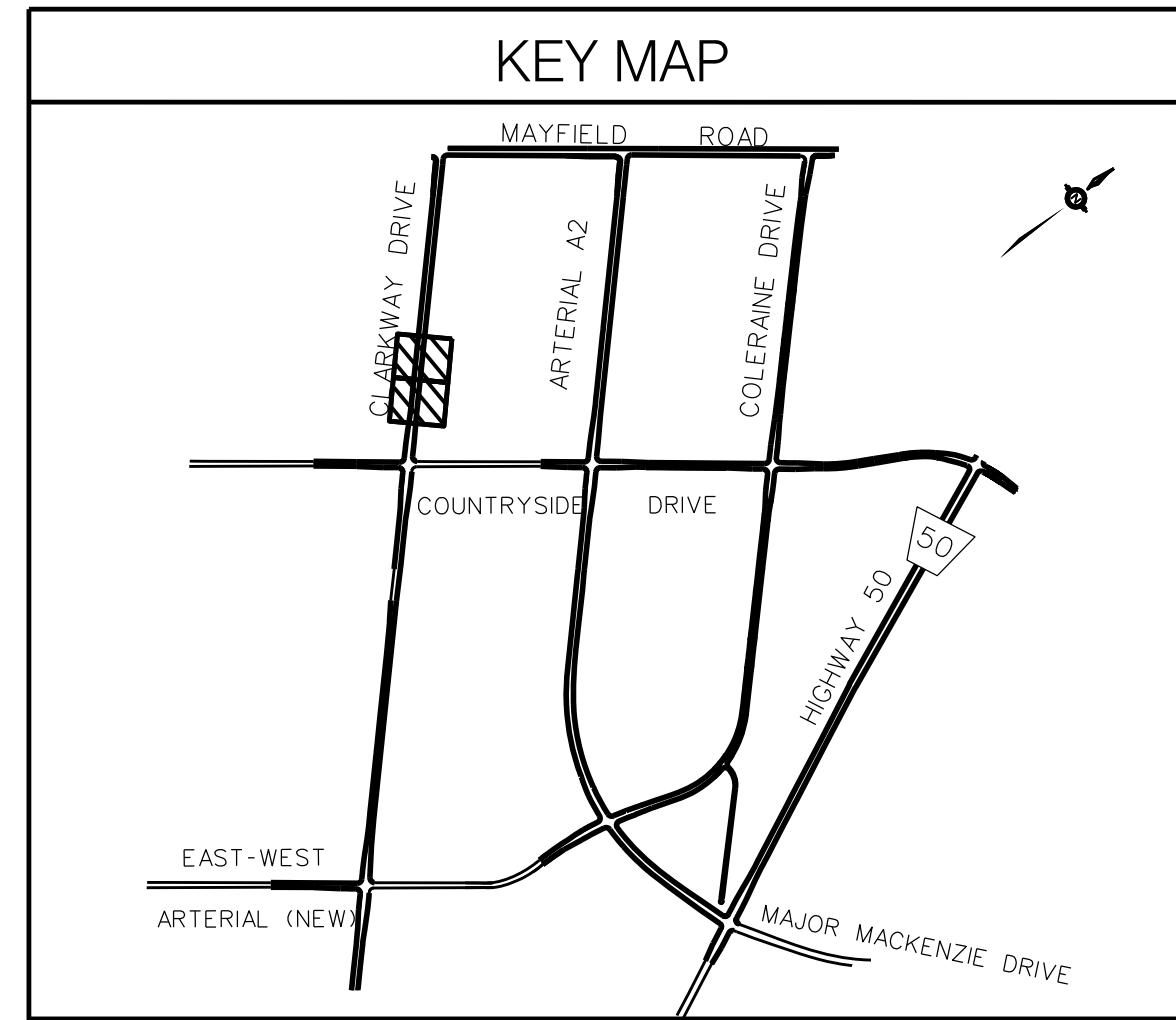
Moon-Matz Ltd.
Consulting Engineers

BRAMPTON Flower City
Planning and Infrastructure Services
Public Works

CLARKWAY DRIVE
MAYFIELD DRIVE TO COUNTRYSIDE DRIVE
PROPOSED STREET LIGHTING - LAYOUT XVII

DWG. NO.: N1-10SL-XX SHT NO.: SL-18

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

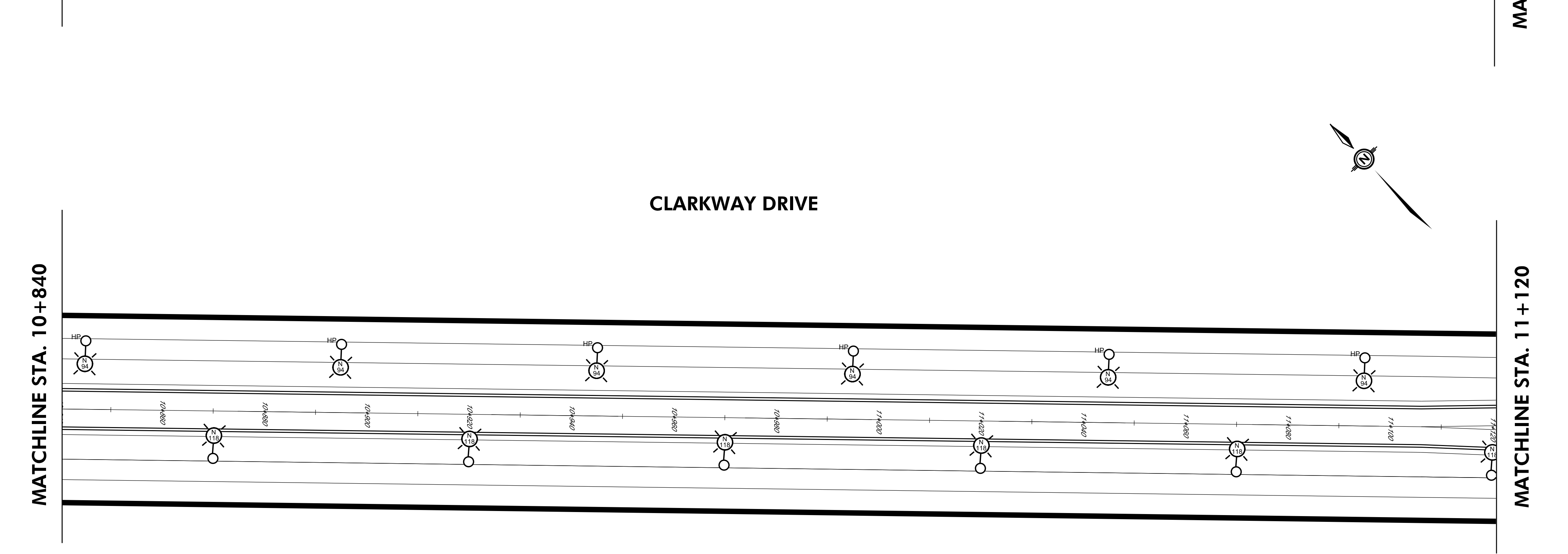
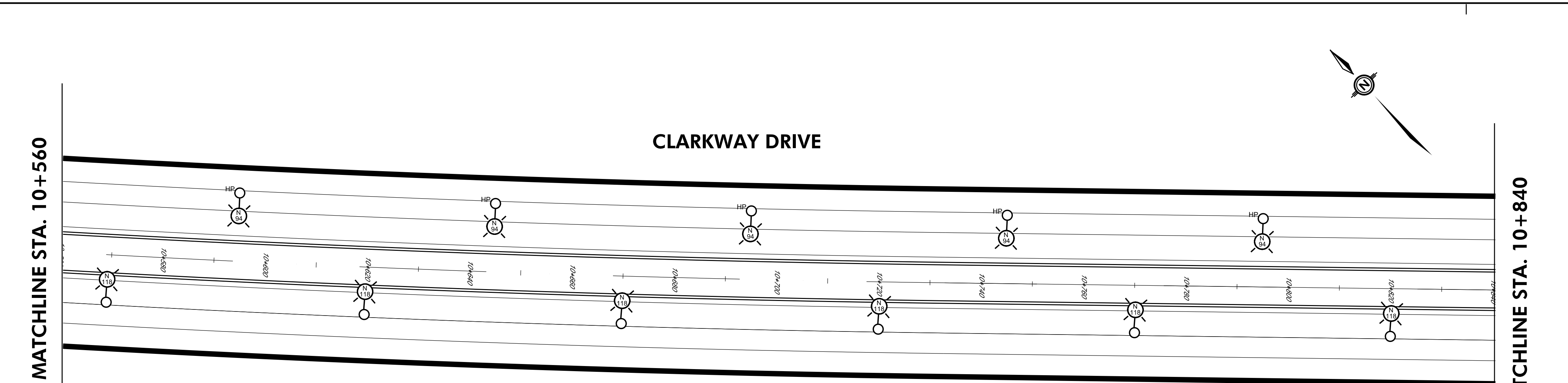
POLES AND ELECTRICAL CHAMBERS, POLE EQUIPMENT AND CONNECTIONS, POWER CONNECTIONS, DUCTS, WIRING

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION...

NOTES

- 1. POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS table with columns for I.D., POLE #, OFFSET FROM EP, STATION, STREET LIGHT POLE, ARM & HEAD, GROUND ROD, IN-POLE BREAKER.

SCHEDULE OF APPROVALS table with columns for NO., DATE, BY, DESCRIPTION, CHECKED BY.

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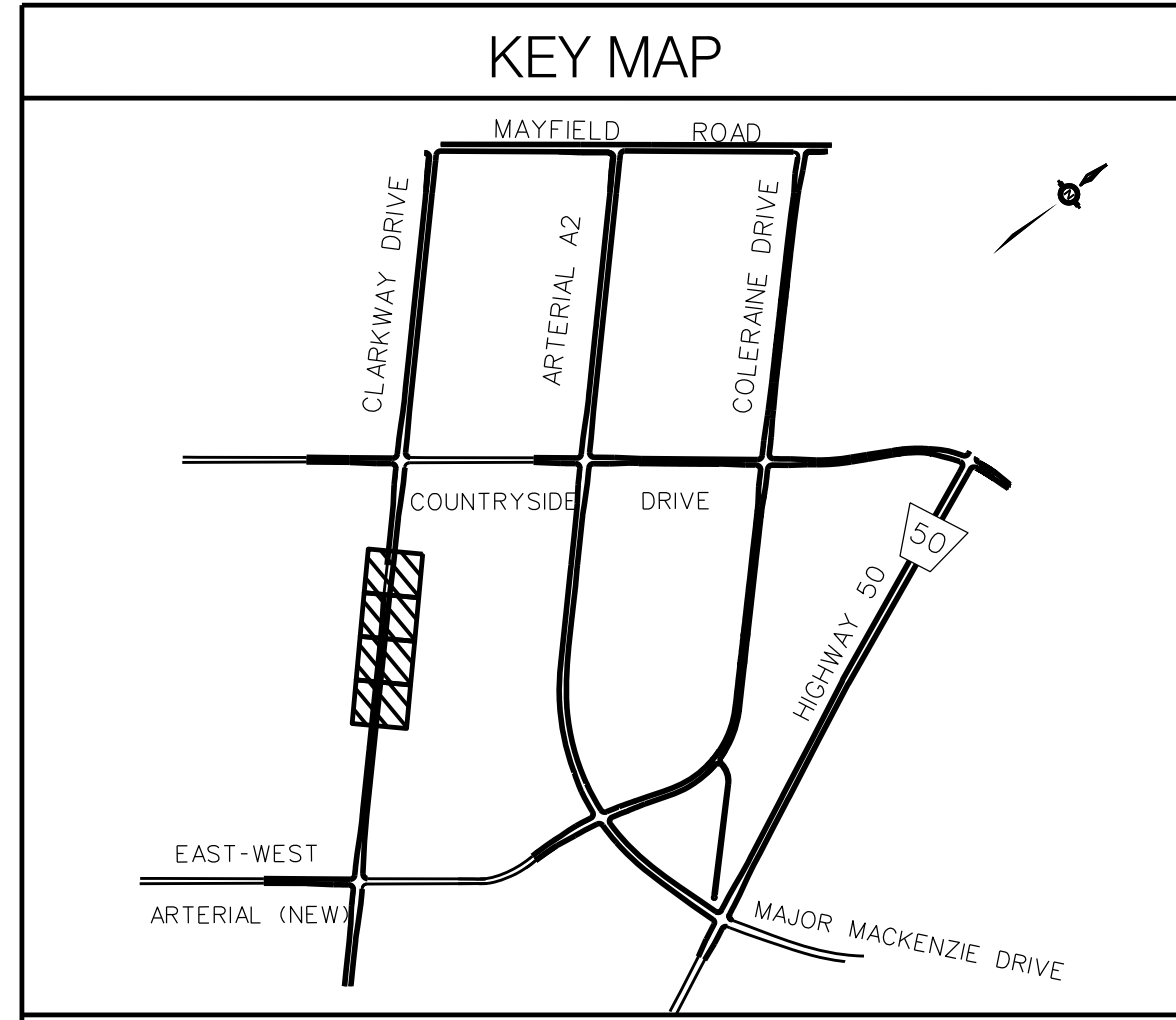
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Moon-Matz Ltd. Consulting Engineers logo and contact info.

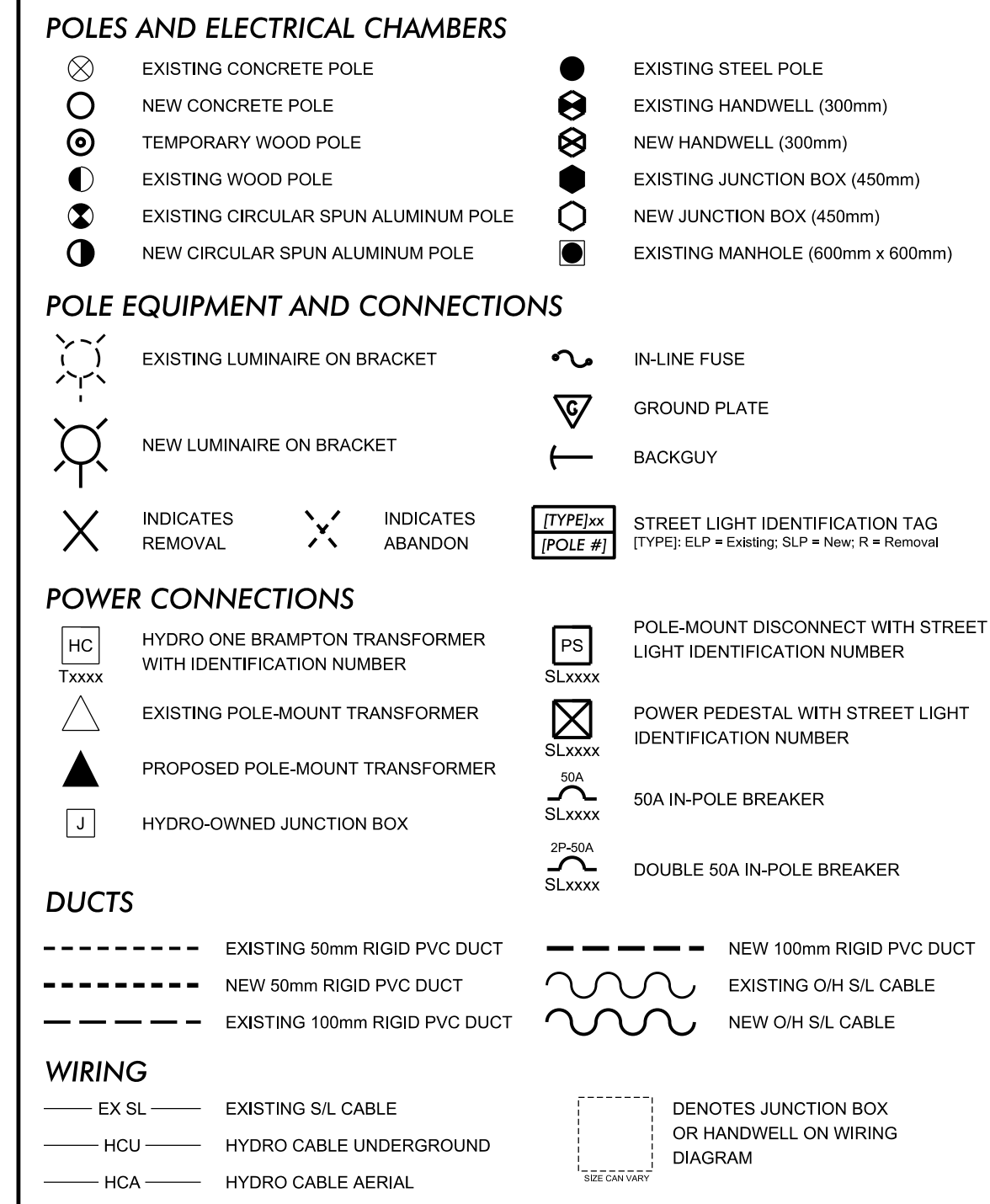
BRAMPTON Flower City Planning and Infrastructure Services Public Works logo.

CLARKWAY DRIVE MAYFIELD DRIVE TO COUNTRYSIDE DRIVE PROPOSED STREET LIGHTING - LAYOUT XVIII

DWG. NO.: N1-10SL-XX SHT NO.: SL-19



STREETLIGHT SYMBOLS LEGEND



GENERAL NOTES

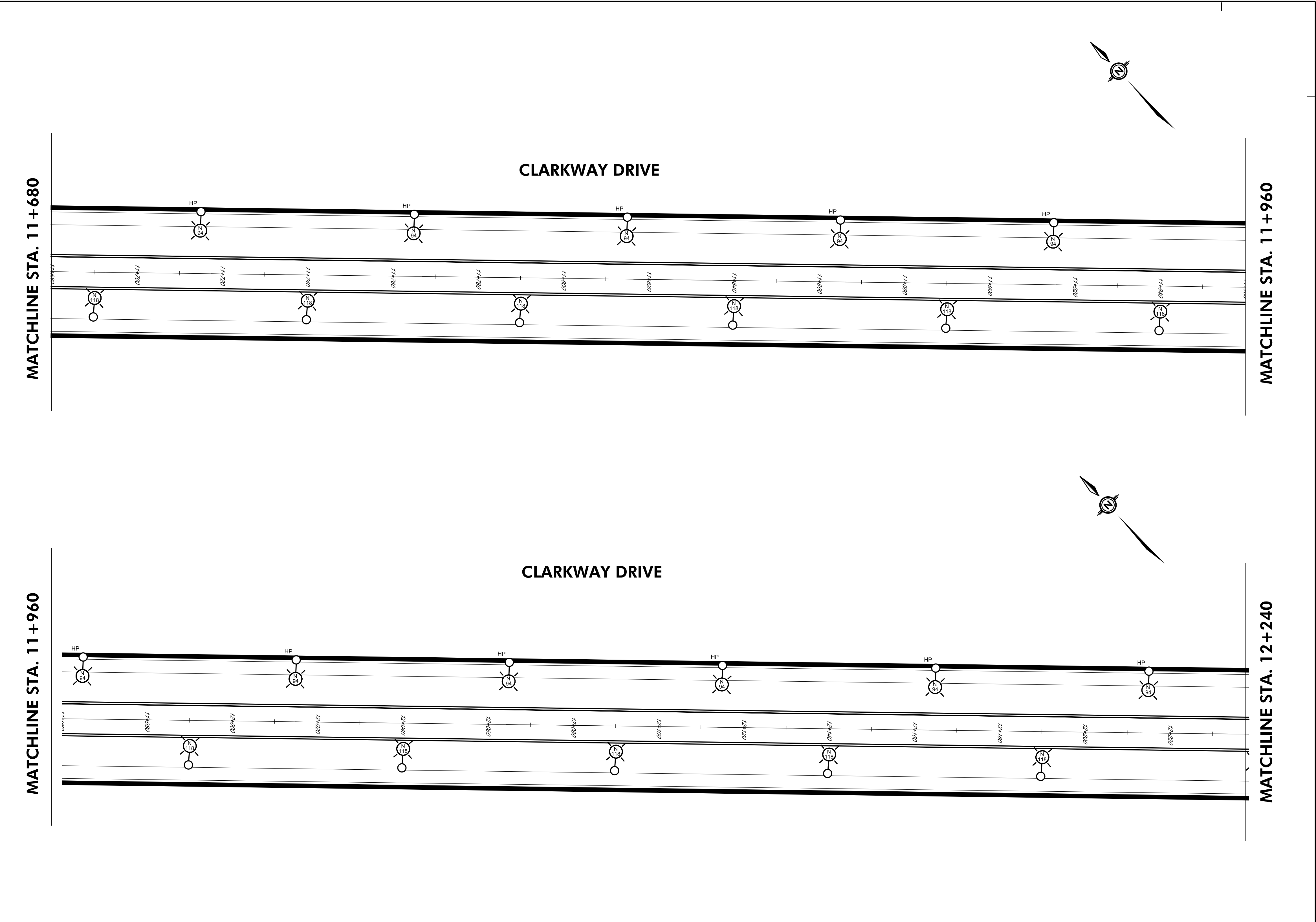
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NOTES

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STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE				ARM & HEAD				GROUND ROD	IN-POLE BREAKER
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE		

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

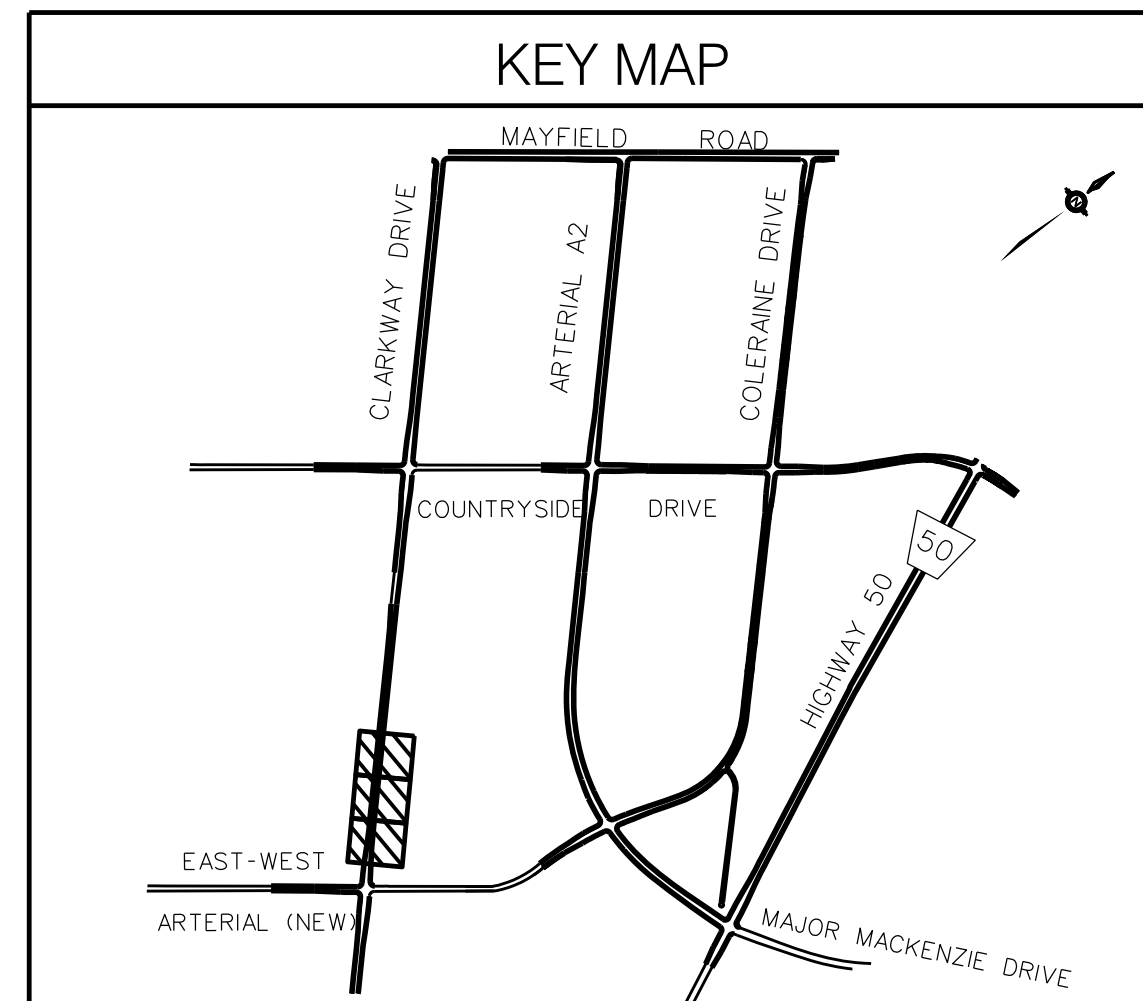
DATE: DEC XX, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____

CLARKWAY DRIVE
COUNTRYSIDE DRIVE TO EAST - WEST ARTERIAL
PROPOSED STREET LIGHTING - LAYOUT XX

DWG. NO.: N1-10SL-XX SHT NO.: SL-21

N1-10SL-XX



GENERAL NOTES

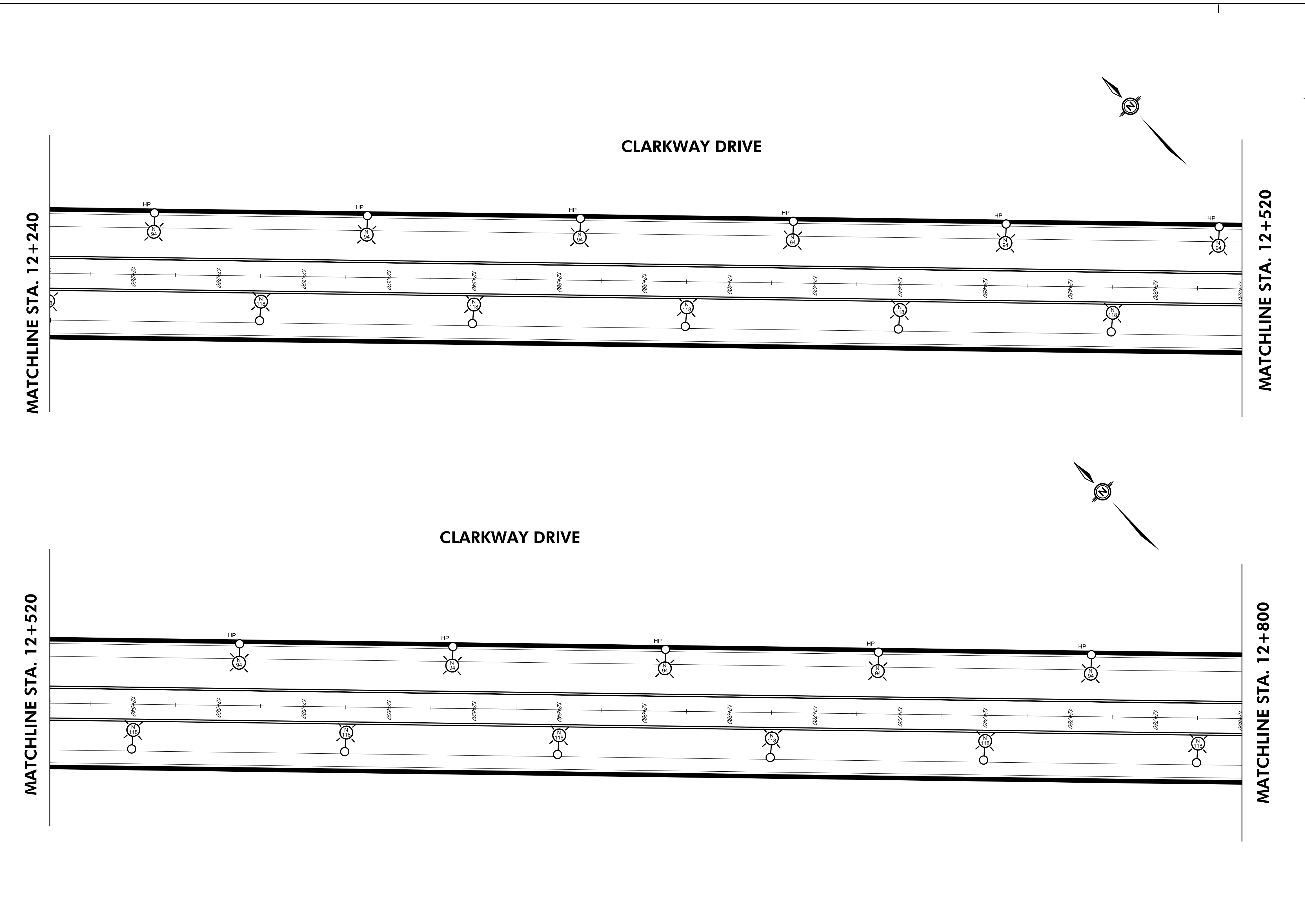
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NOTES

- POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE			ARM & HEAD		GROUND ROD	IN-POLE BREAKER
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	WATTAGE		

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

DATE: DEC 14, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____

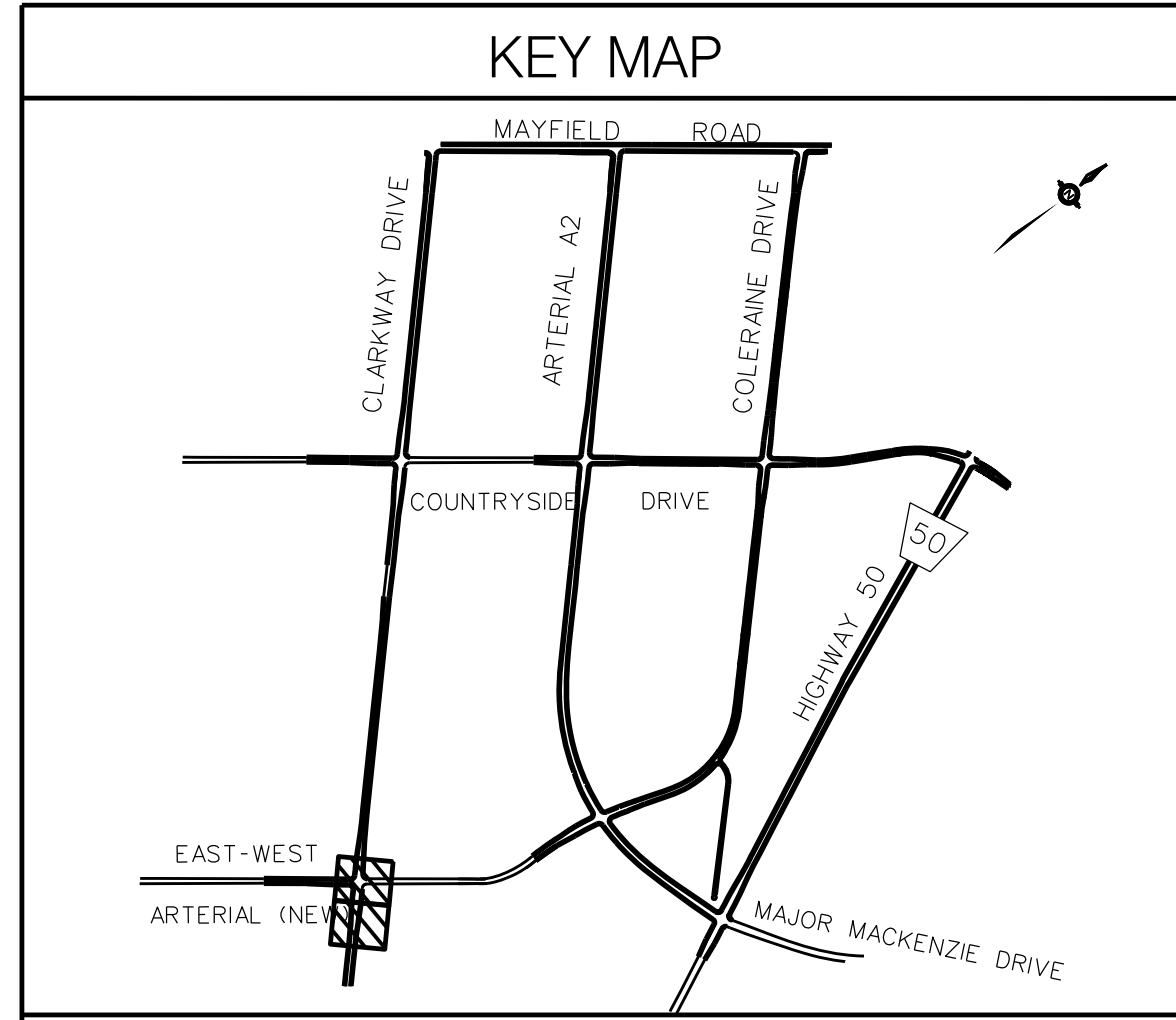
Moon-Matz Ltd.
Consulting Engineers

BRAMPTON
Flower City
Planning and Infrastructure Services
Public Works

CLARKWAY DRIVE
COUNTRYSIDE DRIVE TO EAST - WEST ARTERIAL
PROPOSED STREET LIGHTING - LAYOUT XXI

DWG. NO.: N1-10SL-XX

SHT NO.: SL-22



STREETLIGHT SYMBOLS LEGEND

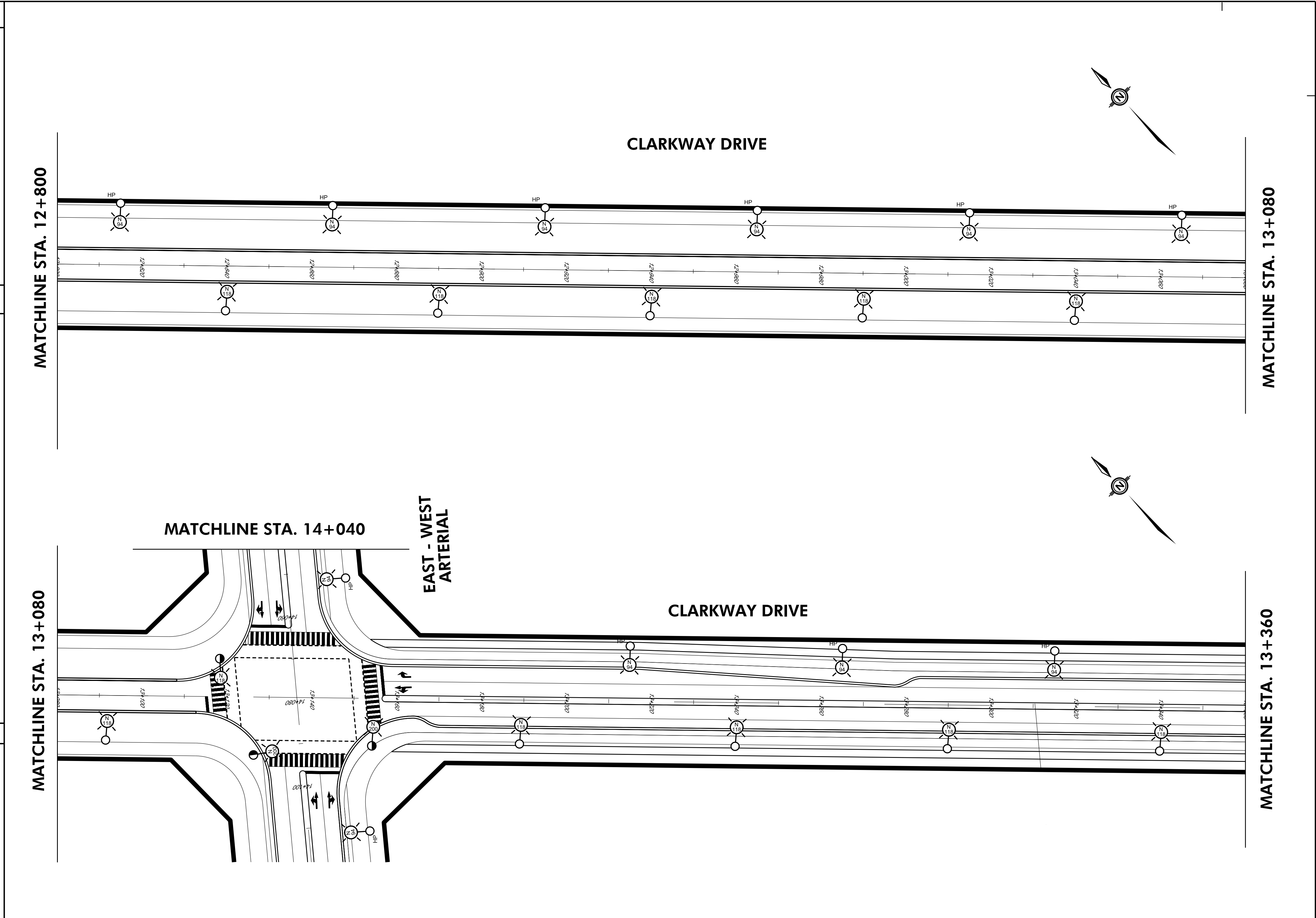
POLES AND ELECTRICAL CHAMBERS, POLE EQUIPMENT AND CONNECTIONS, POWER CONNECTIONS, DUCTS, WIRING

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION.

NOTES

1. POLE AND LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.



STREET LIGHT POLE DETAILS

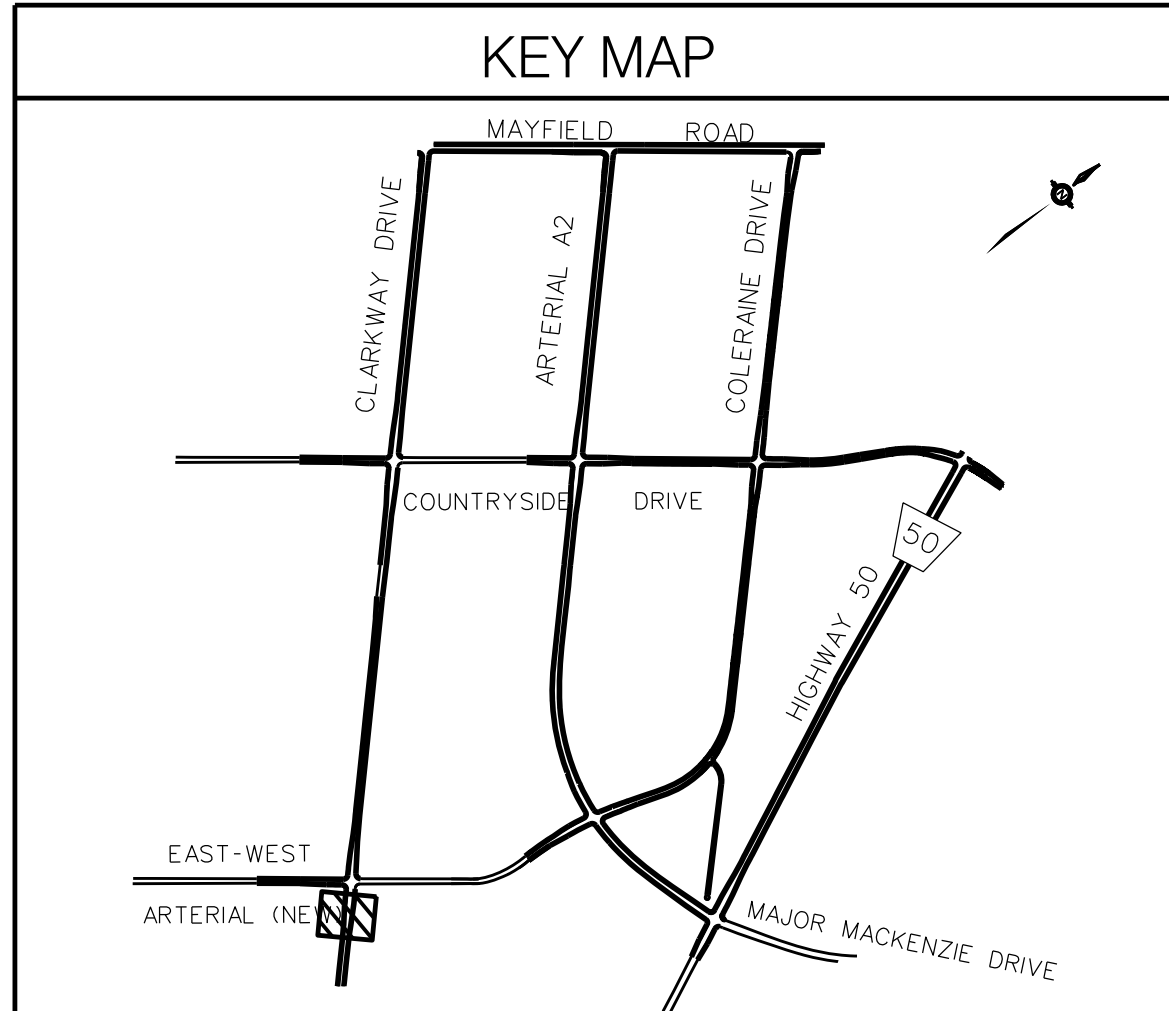
Table with columns for Pole #, Station, Street Light Pole, Arm & Head, Ground Rod, and In-Pole Breaker.

SCHEDULE OF APPROVALS

Table with columns for No., Date, By, Description, and Checked By.

Logos for Moon-Matz Ltd. and Brampton Flower City, and project title: CLARKWAY DRIVE COUNTRYSIDE DRIVE TO EAST - WEST ARTERIAL PROPOSED STREET LIGHTING - LAYOUT XXII.

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS	
(Symbol: Circle with 'X')	EXISTING CONCRETE POLE
(Symbol: Circle with dot)	NEW CONCRETE POLE
(Symbol: Circle with 'X' and dot)	TEMPORARY WOOD POLE
(Symbol: Circle with 'X' and dot, dashed)	EXISTING WOOD POLE
(Symbol: Circle with 'X' and dot, solid)	EXISTING CIRCULAR SPUN ALUMINUM POLE
(Symbol: Circle with 'X' and dot, solid, shaded)	NEW CIRCULAR SPUN ALUMINUM POLE
(Symbol: Circle with 'X' and dot, solid, shaded)	EXISTING STEEL POLE
(Symbol: Circle with 'X' and dot, solid, shaded)	EXISTING HANDWELL (300mm)
(Symbol: Circle with 'X' and dot, solid, shaded)	NEW HANDWELL (300mm)
(Symbol: Circle with 'X' and dot, solid, shaded)	EXISTING JUNCTION BOX (450mm)
(Symbol: Circle with 'X' and dot, solid, shaded)	NEW JUNCTION BOX (450mm)
(Symbol: Circle with 'X' and dot, solid, shaded)	EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS	
(Symbol: Sun)	EXISTING LUMINAIRE ON BRACKET
(Symbol: Sun)	NEW LUMINAIRE ON BRACKET
(Symbol: X)	INDICATES REMOVAL
(Symbol: X)	INDICATES ABANDON
(Symbol: Zigzag)	IN-LINE FUSE
(Symbol: Triangle)	GROUND PLATE
(Symbol: T)	BACKGUY
(Symbol: Box with 'X')	STREET LIGHT IDENTIFICATION TAG
(Symbol: Box with 'X')	POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
(Symbol: Triangle)	EXISTING POLE-MOUNT TRANSFORMER
(Symbol: Triangle)	PROPOSED POLE-MOUNT TRANSFORMER
(Symbol: Box with 'J')	HYDRO-OWNED JUNCTION BOX
(Symbol: Box with 'PS')	POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
(Symbol: Box with 'PS')	POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
(Symbol: Box with 'S')	50A IN-POLE BREAKER
(Symbol: Box with 'S')	DOUBLE 50A IN-POLE BREAKER

DUCTS	
(Symbol: Dashed line)	EXISTING 50mm RIGID PVC DUCT
(Symbol: Dashed line)	NEW 50mm RIGID PVC DUCT
(Symbol: Dashed line)	EXISTING 100mm RIGID PVC DUCT
(Symbol: Dashed line)	NEW 100mm RIGID PVC DUCT
(Symbol: Wavy line)	EXISTING O/H S/L CABLE
(Symbol: Wavy line)	NEW O/H S/L CABLE

WIRING	
(Symbol: Solid line)	EX S/L
(Symbol: Solid line)	HCU
(Symbol: Solid line)	HCA
(Symbol: Dashed line)	EXISTING S/L CABLE
(Symbol: Dashed line)	HYDRO CABLE UNDERGROUND
(Symbol: Dashed line)	HYDRO CABLE AERIAL
(Symbol: Box)	DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

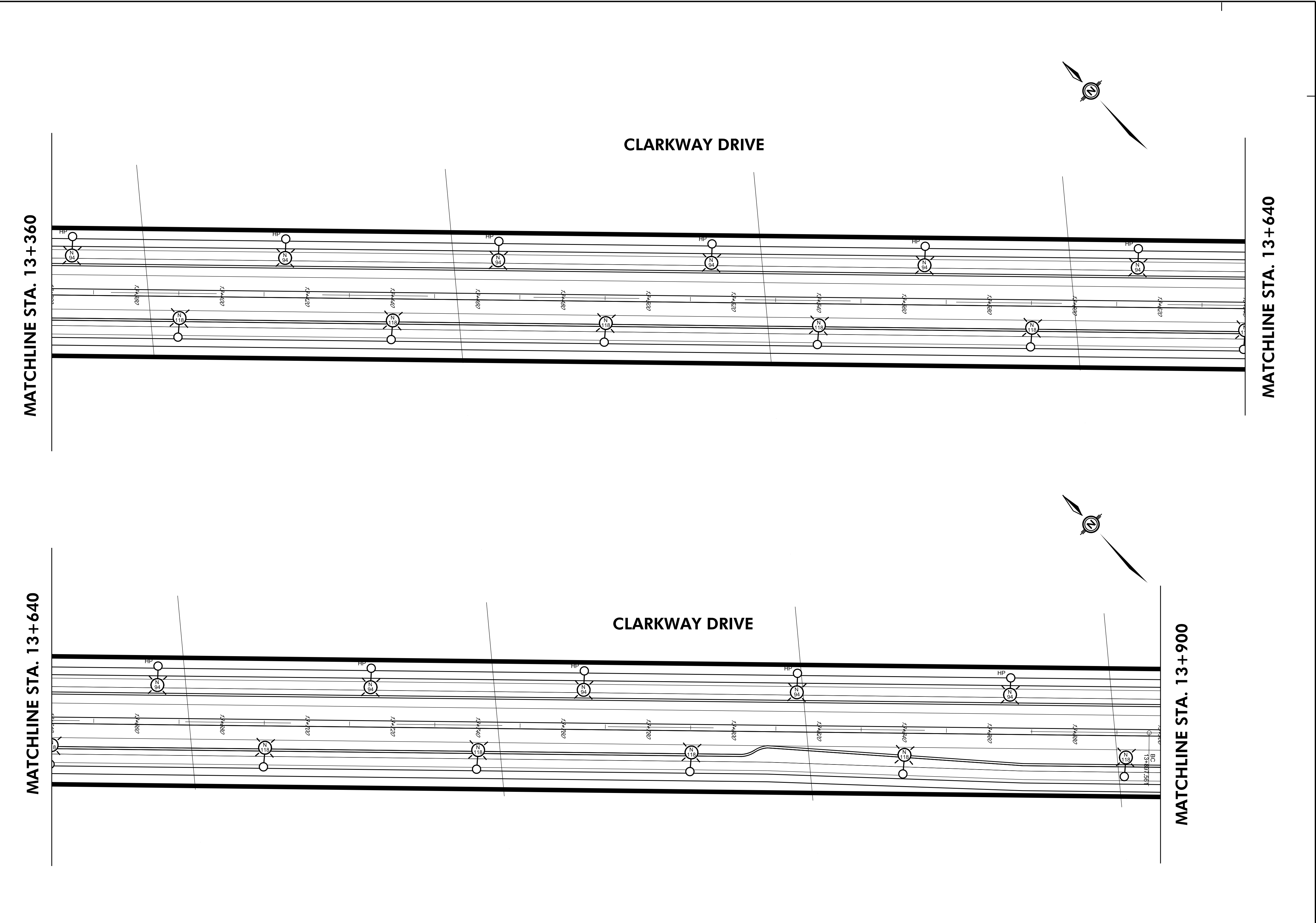
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ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

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STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE		ARM & HEAD		GROUND ROD	IN-POLE BREAKER
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE		

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	DEC 14/21	VS	ISSUED FOR FINAL PRELIMINARY	MM

SCALE: 1 : 500	DESIGNED BY: M.M.	CHECKED BY: M.M.
DATE: DEC 14, 2021	APPROVAL:	
CONTRACT NO: 2013-012	APPROVAL DATE:	

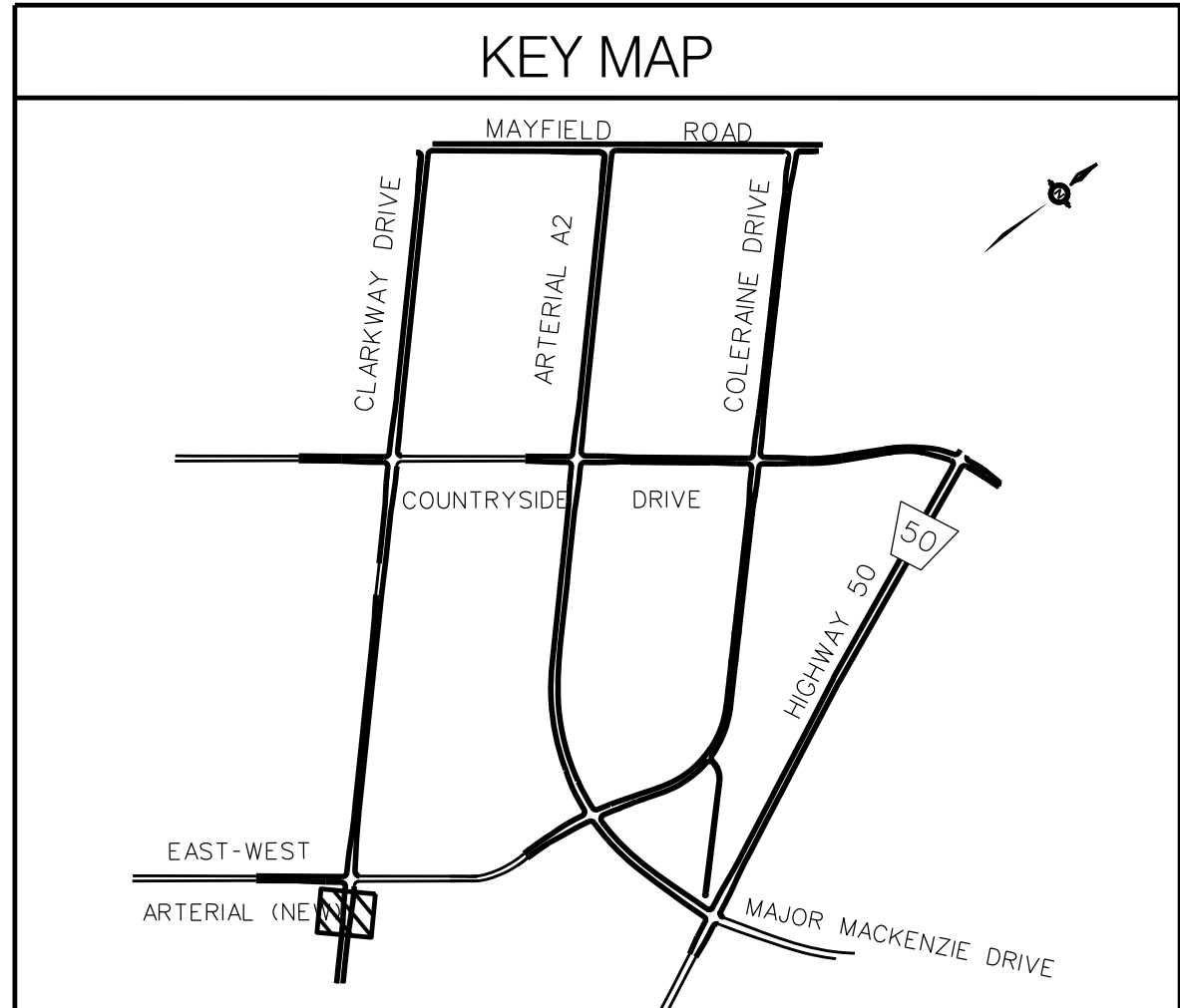
Moon-Matz Ltd.
Consulting Engineers

BRAMPTON
Flower City
Planning and Infrastructure Services
Public Works

CLARKWAY DRIVE
EAST - WEST ARTERIA TO PRIVATE ROAD
PROPOSED STREET LIGHTING - LAYOUT XXIII

DWG. NO.: N1-10SL-XX | **SHT NO.: SL-24**

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG (TYPE) [SL] - Existing, [SLP] - New, [R] - Removal

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING O/H SIL CABLE
- NEW O/H SIL CABLE

WIRING

- EX SL - EXISTING SIL CABLE
- HCU - HYDRO CABLE UNDERGROUND
- HCA - HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

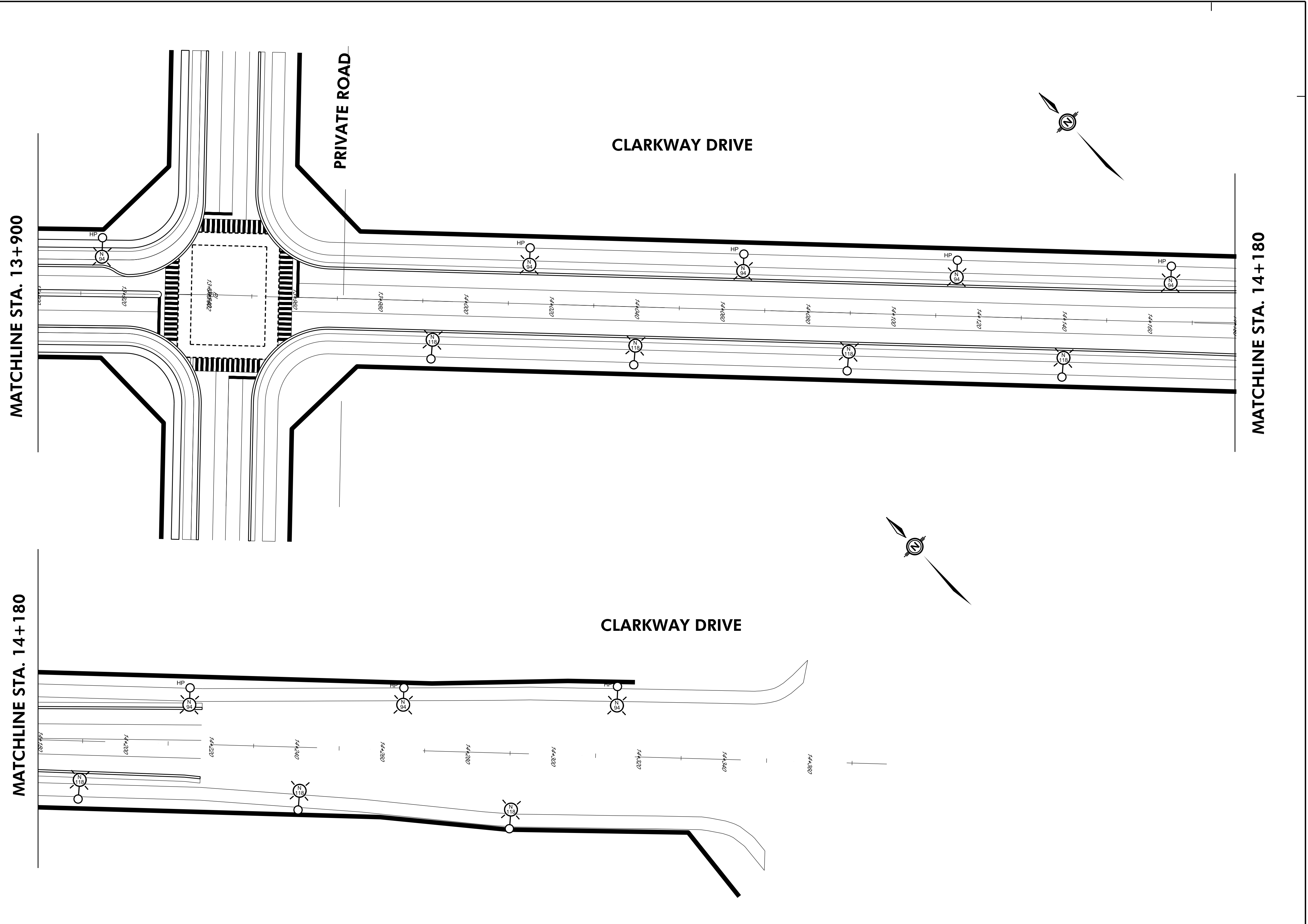
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NOTES

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STREET LIGHT POLE DETAILS


I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE				ARM & HEAD				GROUND ROD	IN-POLE BREAKER	
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE	MATERIAL	HEIGHT	BRACKET			WATTAGE

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
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DATE:	DEC 14, 2021	APPROVAL:			
CONTRACT NO:	2013-012	APPROVAL DATE:			

Moon-Matz Ltd.
Consulting Engineers



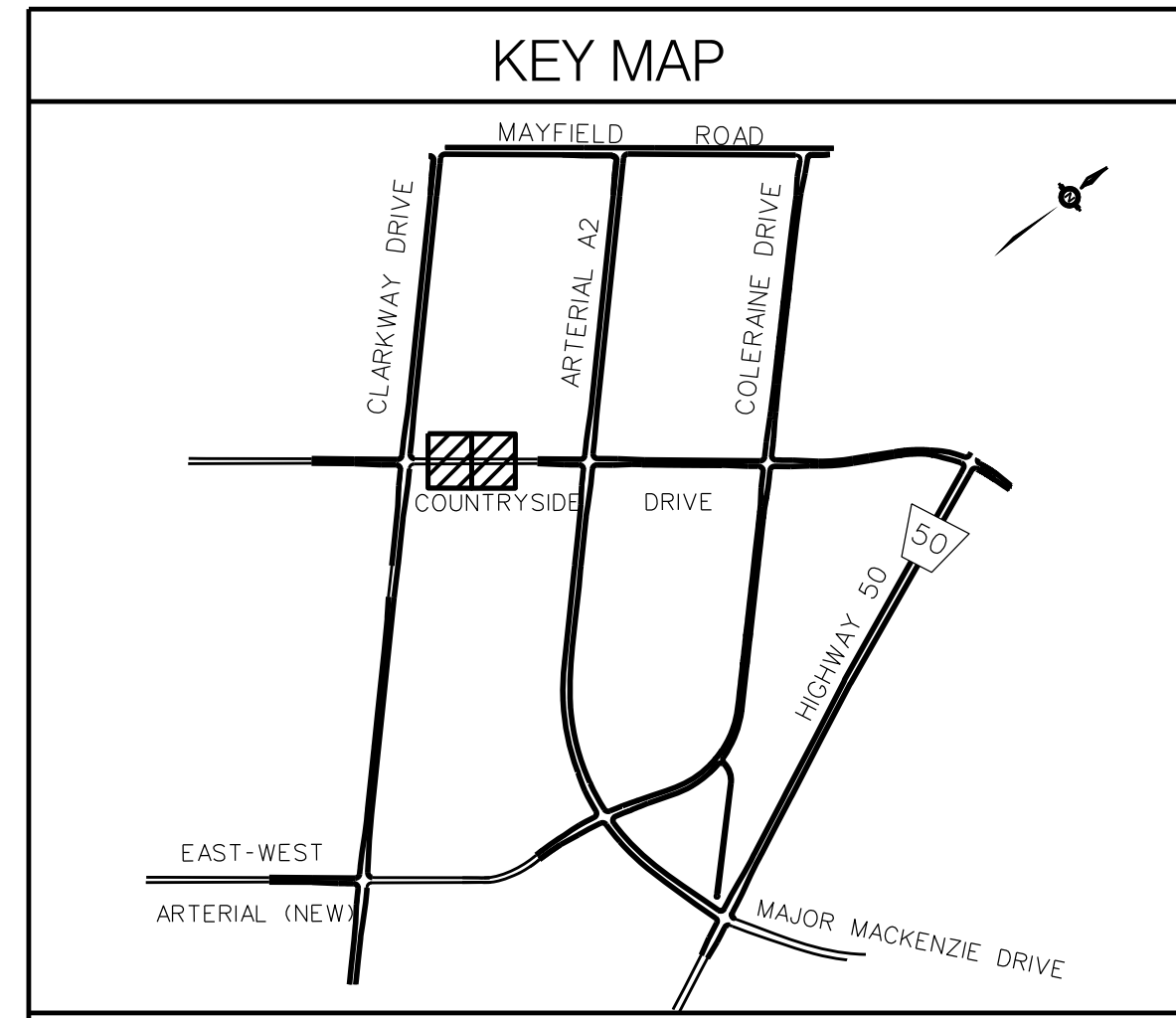
BRAMPTON
Flower City

Planning and Infrastructure Services
Public Works

CLARKWAY DRIVE
EAST - WEST ARTERIA TO PRIVATE ROAD
PROPOSED STREET LIGHTING - LAYOUT XXIV

DWG. NO.: N1-10SL-XX **SHT NO.: SL-25**

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG (TYPE) SL-P-Existing, SL-P-New, R-Removal

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING OH SIL CABLE
- NEW OH SIL CABLE

WIRING

- EXISTING SIL CABLE
- HYDRO CABLE UNDERGROUND
- HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

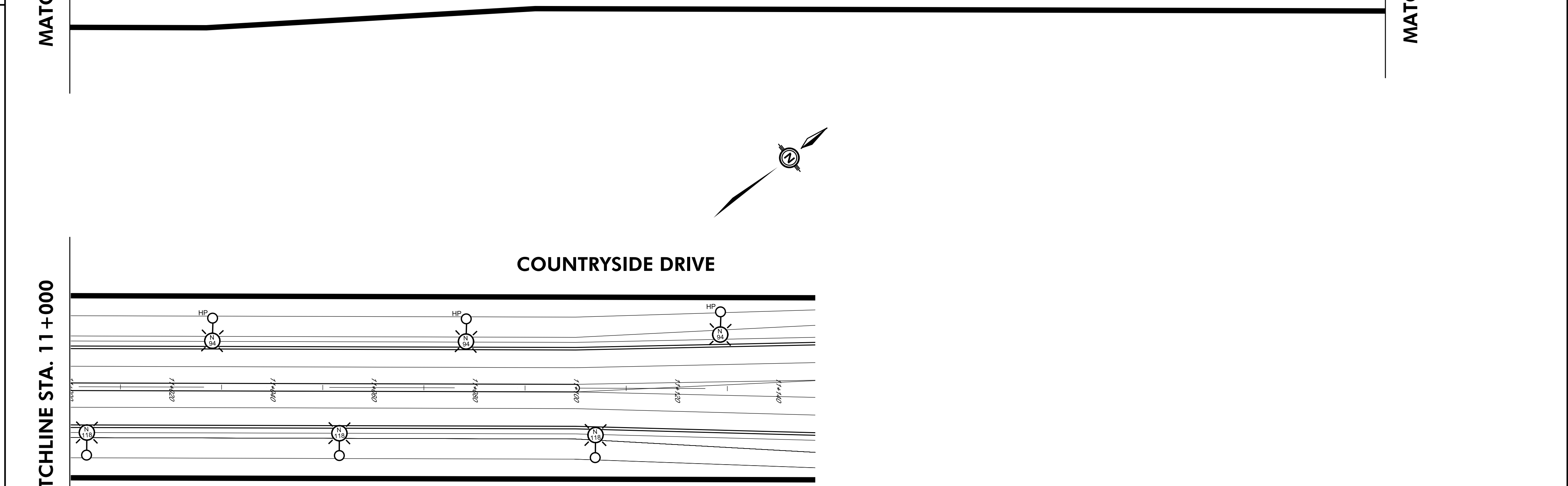
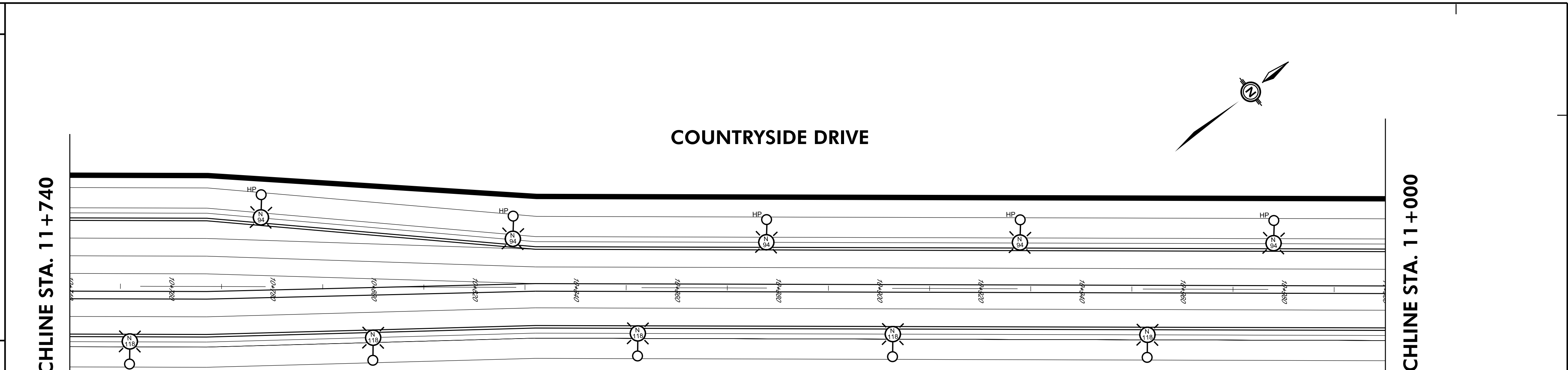
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NOTES

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STREET LIGHT POLE DETAILS

STREET LIGHT POLE				ARM & HEAD				GROUND ROD				IN-POLE BREAKER			
I.D.	POLE #	OFFSET FROM EP	STATION	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE

SCHEDULE OF APPROVALS

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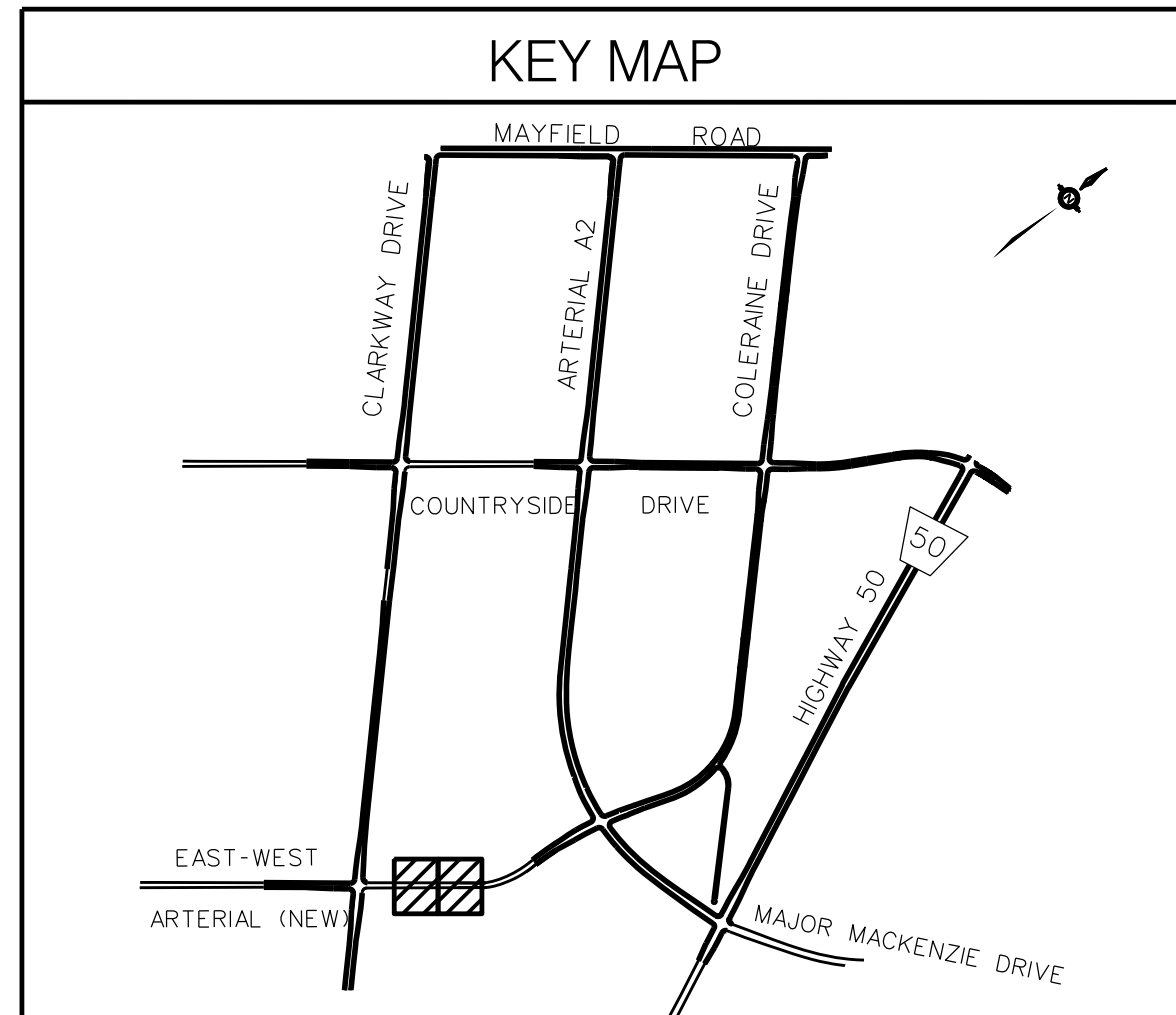
SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.

DATE: DEC 14, 2021 APPROVAL: _____

CONTRACT NO: 2013-012 APPROVAL DATE: _____



COUNTRYSIDE DRIVE
CLARKWAY DRIVE TO ARTERIAL 42
PROPOSED STREET LIGHTING - LAYOUT XXV
DWG. NO.: N1-10SL-XX SHT NO.: SL-26



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- EXISTING CONCRETE POLE
- NEW CONCRETE POLE
- TEMPORARY WOOD POLE
- EXISTING WOOD POLE
- EXISTING CIRCULAR SPUN ALUMINUM POLE
- NEW CIRCULAR SPUN ALUMINUM POLE
- EXISTING STEEL POLE
- EXISTING HANDWELL (300mm)
- NEW HANDWELL (300mm)
- EXISTING JUNCTION BOX (450mm)
- NEW JUNCTION BOX (450mm)
- EXISTING MANHOLE (600mm x 600mm)

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON BRACKET
- NEW LUMINAIRE ON BRACKET
- INDICATES REMOVAL
- INDICATES ABANDON
- IN-LINE FUSE
- GROUND PLATE
- BACKGUY
- STREET LIGHT IDENTIFICATION TAG (TYPE: SLP - Existing, SLR - New, R - Removal)

POWER CONNECTIONS

- HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
- EXISTING POLE-MOUNT TRANSFORMER
- PROPOSED POLE-MOUNT TRANSFORMER
- HYDRO-OWNED JUNCTION BOX
- POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
- POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
- 50A IN-POLE BREAKER
- DOUBLE 50A IN-POLE BREAKER

DUCTS

- EXISTING 50mm RIGID PVC DUCT
- NEW 50mm RIGID PVC DUCT
- EXISTING 100mm RIGID PVC DUCT
- NEW 100mm RIGID PVC DUCT
- EXISTING OH SIL CABLE
- NEW OH SIL CABLE

WIRING

- EX SL - EXISTING SIL CABLE
- HCU - HYDRO CABLE UNDERGROUND
- HCA - HYDRO CABLE AERIAL
- DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OF THEM.

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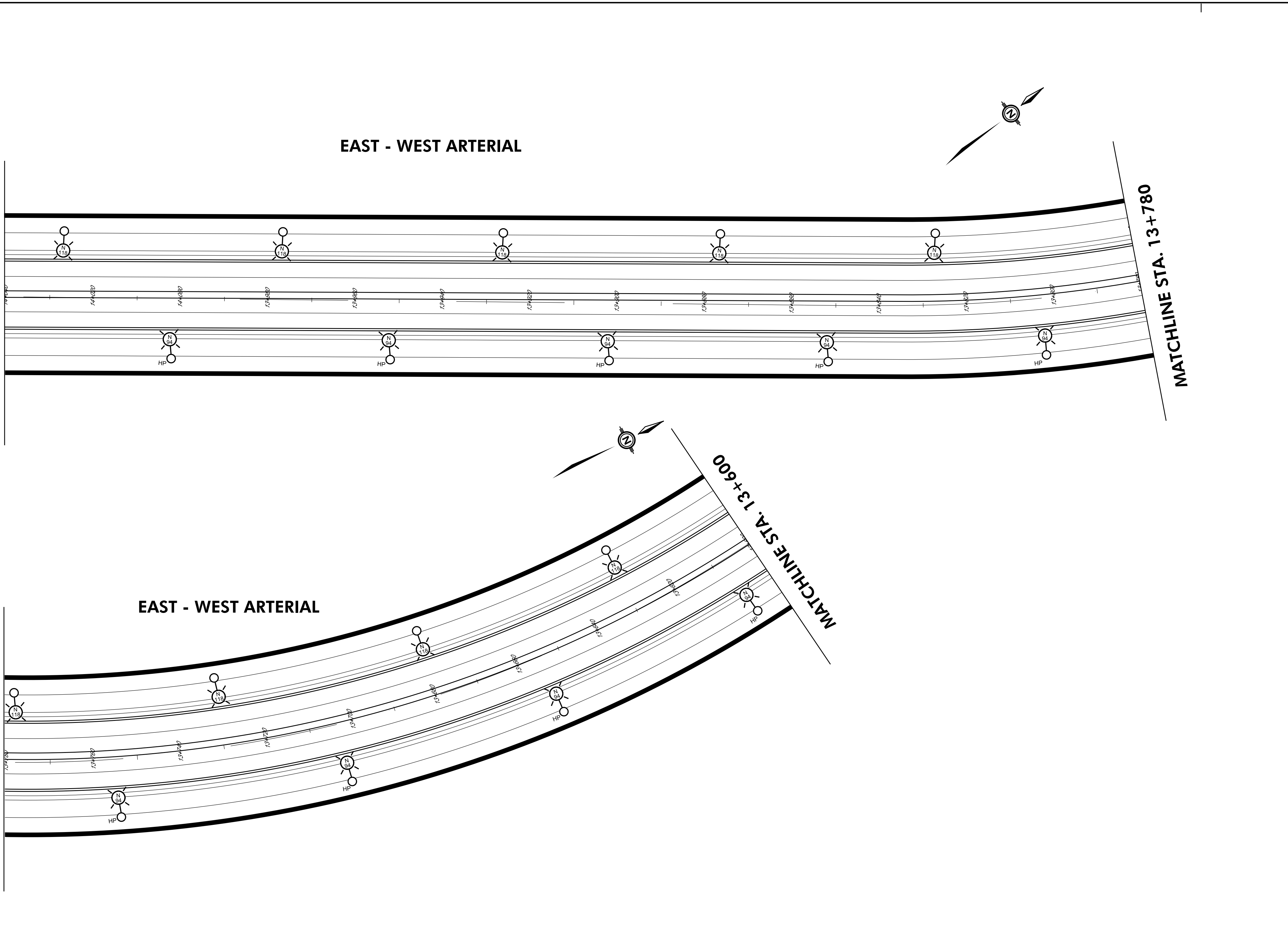
ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

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MATCHLINE STA. 14+040

MATCHLINE STA. 13+780



STREET LIGHT POLE DETAILS

STREET LIGHT POLE				ARM & HEAD				GROUND ROD				IN-POLE BREAKER			
I.D.	POLE #	OFFSET FROM EP	STATION	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE

SCHEDULE OF APPROVALS

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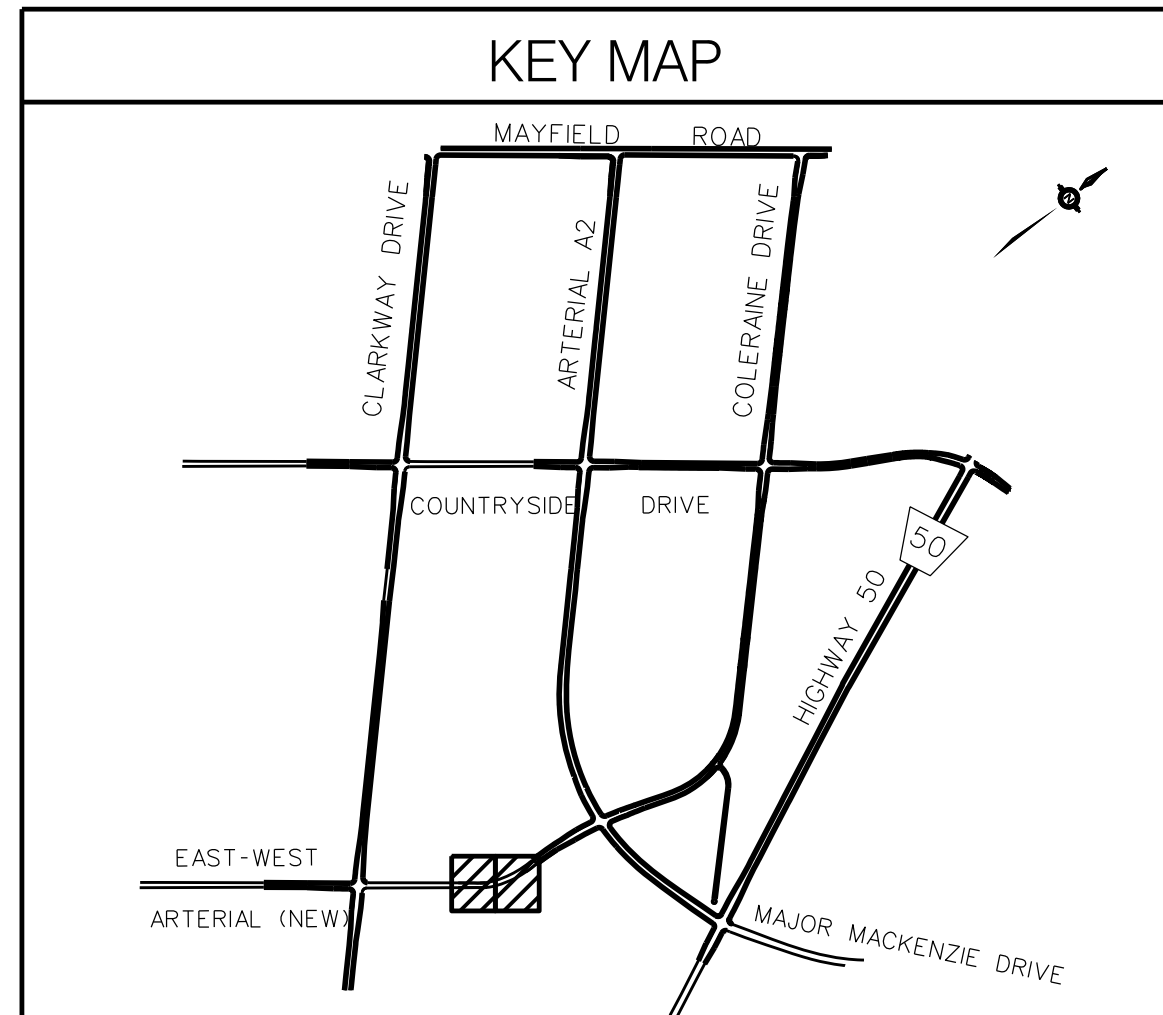
CONTRACT NO: 2013-012 APPROVAL DATE: _____

BRAMPTON Planning and Infrastructure Services
Public Works

EAST - WEST ARTERIAL
CLARKWAY DRIVE TO ARTERIAL A2
PROPOSED STREET LIGHTING - LAYOUT XXVI

DWG. NO.: N1-10SL-XX SHT NO.: SL-27

N1-10SL-XX



STREETLIGHT SYMBOLS LEGEND

- POLES AND ELECTRICAL CHAMBERS**
- ⊗ EXISTING CONCRETE POLE
 - NEW CONCRETE POLE
 - ⊙ TEMPORARY WOOD POLE
 - EXISTING WOOD POLE
 - EXISTING CIRCULAR SPUN ALUMINUM POLE
 - NEW CIRCULAR SPUN ALUMINUM POLE
 - EXISTING STEEL POLE
 - ⊗ EXISTING HANDWELL (300mm)
 - ⊙ NEW HANDWELL (300mm)
 - EXISTING JUNCTION BOX (450mm)
 - NEW JUNCTION BOX (450mm)
 - EXISTING MANHOLE (600mm x 600mm)
- POLE EQUIPMENT AND CONNECTIONS**
- ☀ EXISTING LUMINAIRE ON BRACKET
 - ☀ NEW LUMINAIRE ON BRACKET
 - ✕ INDICATES REMOVAL
 - ✕ INDICATES ABANDON
 - ⚡ IN-LINE FUSE
 - ⚡ GROUND PLATE
 - ⚡ BACKGUY
 - ⓧ [TYPE][x] [POLE #] STREET LIGHT IDENTIFICATION TAG (TYPE: EP - Existing, SL - New, R - Removal)
- POWER CONNECTIONS**
- HC Txxxx HYDRO ONE BRAMPTON TRANSFORMER WITH IDENTIFICATION NUMBER
 - △ EXISTING POLE-MOUNT TRANSFORMER
 - ▲ PROPOSED POLE-MOUNT TRANSFORMER
 - J HYDRO-OWNED JUNCTION BOX
 - PS SLxxxx POLE-MOUNT DISCONNECT WITH STREET LIGHT IDENTIFICATION NUMBER
 - ⊗ SLxxxx POWER PEDESTAL WITH STREET LIGHT IDENTIFICATION NUMBER
 - 50 SLxxxx 50A IN-POLE BREAKER
 - 30-40A SLxxxx DOUBLE 50A IN-POLE BREAKER
- DUCTS**
- - - - EXISTING 50mm RIGID PVC DUCT
 - - - - NEW 50mm RIGID PVC DUCT
 - - - - EXISTING 100mm RIGID PVC DUCT
 - - - - NEW 100mm RIGID PVC DUCT
 - - - - EXISTING O/H SIL CABLE
 - - - - NEW O/H SIL CABLE
- WIRING**
- - - EX SL EXISTING SIL CABLE
 - - - HCU HYDRO CABLE UNDERGROUND
 - - - HCA HYDRO CABLE AERIAL
 - DENOTES JUNCTION BOX OR HANDWELL ON WIRING DIAGRAM

GENERAL NOTES

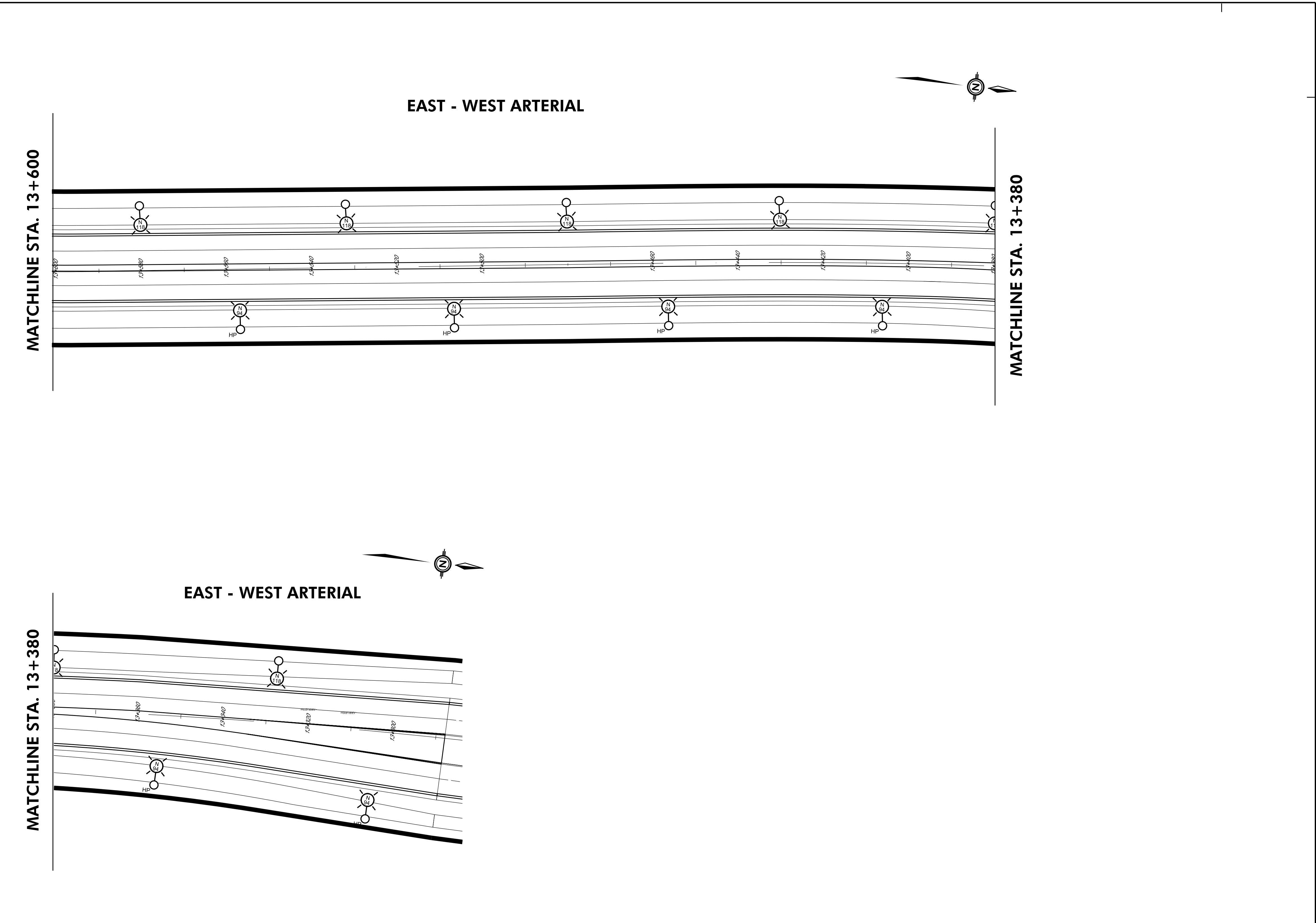
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NOTES

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STREET LIGHT POLE DETAILS

I.D.	POLE #	OFFSET FROM EP	STATION	STREET LIGHT POLE				ARM & HEAD				GROUND ROD	IN-POLE BREAKER	
				TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE	TYPE / MATERIAL	HEIGHT	BRACKET	WATTAGE			

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Moon-Matz Ltd.
Consulting Engineers

BRAMPTON Flower City
Planning and Infrastructure Services
Public Works

EAST - WEST ARTERIAL
CLARKWAY DRIVE TO ARTERIAL A2
PROPOSED STREET LIGHTING - LAYOUT XXVII

SCALE: 1 : 500 DESIGNED BY: M.M. CHECKED BY: M.M.
DATE: DEC 14, 2021 APPROVAL: _____
CONTRACT NO: 2013-012 APPROVAL DATE: _____

DWG. NO.: N1-10SL-XX SHT NO.: SL-28