

APPENDIX

R STREETLIGHTING DESIGN



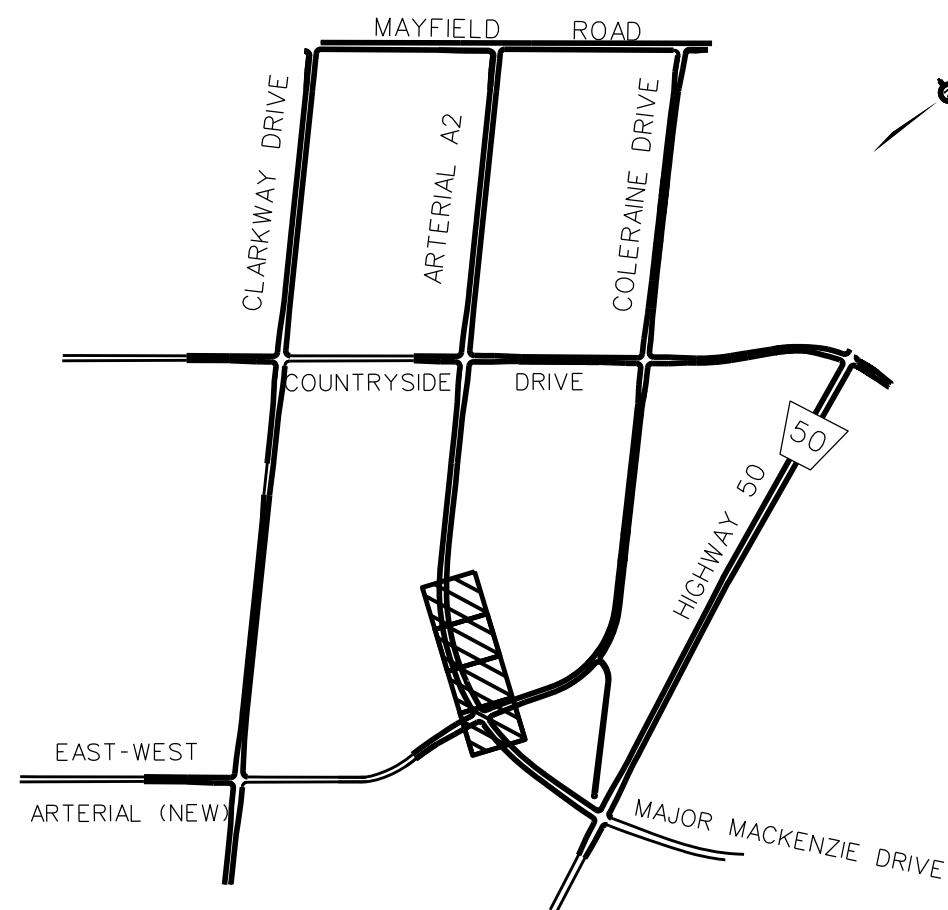
APPENDIX

R-1

STREETLIGHTING DESIGN

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.

THE CONTRACTOR SHALL MAINTAIN EXISTING ILLUMINATION AT ALL TIMES.

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 |
|------|--------|----------------|---------|-----------------------------------|--------|--------------------|---------|------------|-----------------|
| | | | | TOS-30 MATERIAL | | | | | |
| | | | | 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:



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

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

