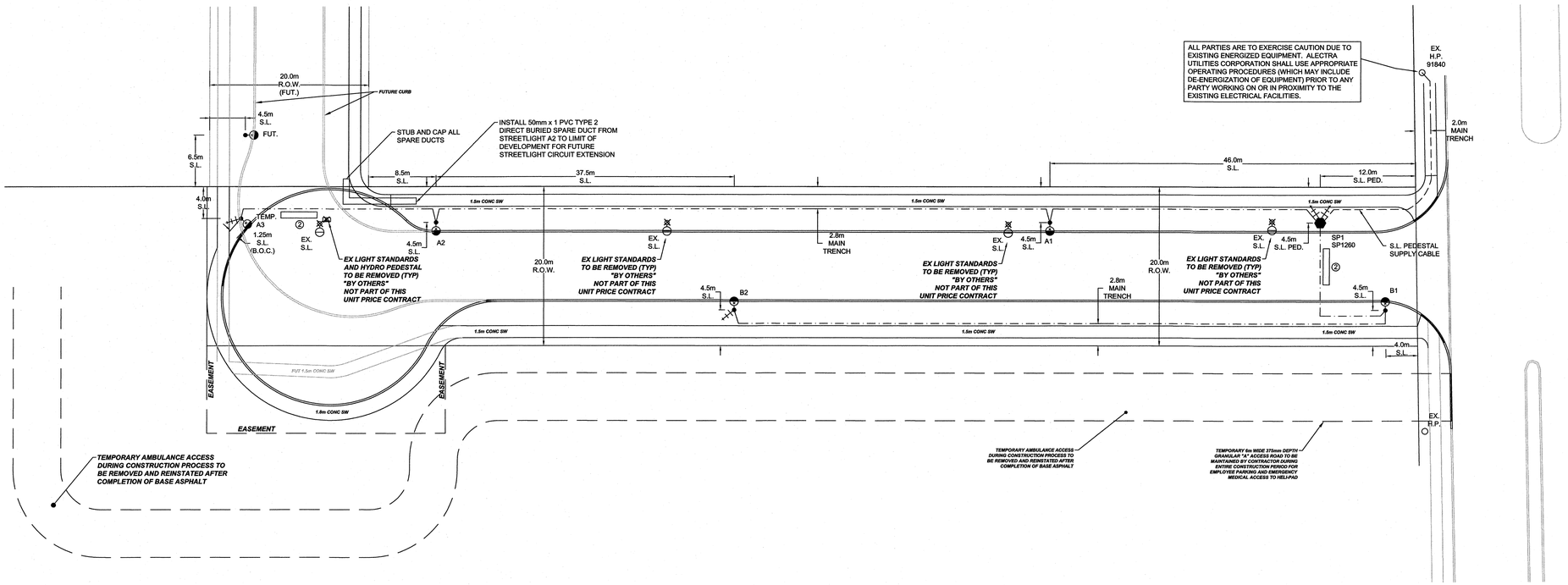
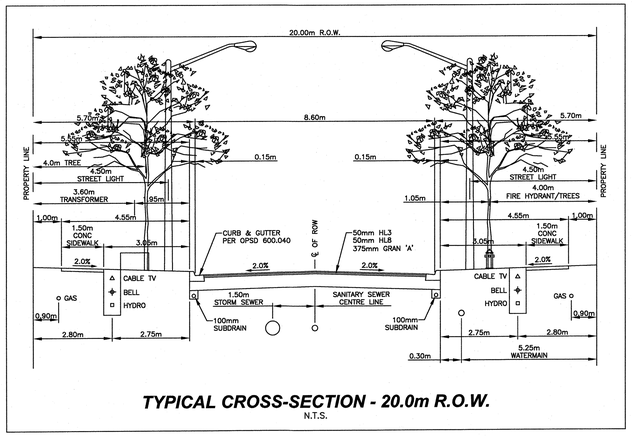




TYPICAL CROSS-SECTION - 20.0m R.O.W.
N.T.S.

STREETLIGHTING NOTES:

1. PHOTOCELLS SHALL BE FISHER-PIERCE INSTANT RESPONSE TRS SERIES OR SELC 8483.
2. INSTALLATION OF STREET LIGHTING SHALL BE TO E.S.A. AND SHALL BE INSPECTED PRIOR ENERGIZATION.

STREETLIGHT POWER SUPPLY PEDESTAL		
SP1	SP1260	CONNECTED TO EXISTING POLE P91840

CERTIFICATE OF APPROVAL
THE INSTALLATION WORK COVERED BY THIS DOCUMENT MEETS THE SAFETY REQUIREMENTS OF SECTION 4 OF REGULATION 22 / 04

STEPHEN C. GAYOWSKY, P.ENG.
NAME
DATE
PROFESSIONAL ENGINEER
SIGNATURE & PROFESSIONAL DESIGNATION



KEY PLAN N.T.S.

LEGEND

- TRANSFORMER FOR ALECTRA UTILITIES CORPORATION (SEE ALECTRA UTILITIES CORPORATION DRAWINGS FOR EXACT LOCATION).
- STREETLIGHT PEDESTAL SUPPLY CABLE: 3-#2 Cu. RWU-90 C/W JACKETED GND IN CONTINUOUS 50mm PVC TYPE 2 DUCT IN COMPLETE ACCORDANCE WITH E.S.A. STANDARDS & SPECIFICATIONS.
- STREETLIGHT CABLE: 2-#6 Cu. RWU-90 C/W JACKETED GND IN CONTINUOUS 50mm PVC TYPE 2 DUCT IN COMPLETE ACCORDANCE WITH E.S.A. STANDARDS & SPECIFICATIONS
- STREETLIGHT POWER SUPPLY PEDESTAL TO BE MANUFACTURED BY PEDESTAL SOLUTIONS INC. (PSI), YORK, ONTARIO. CAT.# SLS1-6-15, 60A 2 POLE MAIN BREAKER, 6-15A BRANCH BREAKERS. WEATHER PROOF, TAMPER PROOF CABINET, DARK GREEN, PROVISIONS FOR PADLOCKING, MOUNT ON PRECAST CONCRETE FOUNDATION (PEDESTAL SOLUTIONS INC. #UP1420).
- 41W LED STREETLIGHT: GE ERL1 LED COBRA HEAD STYLE LUMINAIRE G.E. CAT. #ERL1-0-05-A1-40-A-GRAY-RL-10YR WARRANTY TO MATCH IES CURVE ERL1_05A140 -120-277V_TCM201-104021.IES C/W INDIVIDUAL INTEGRAL PHOTO CELL. ALUMINUM TAPERED ELLIPTICAL ARM TO BE 2.44m (8') MANUFACTURED BY ALUMINOUS CAT.# RE8MA OR APPROVED EQUIVALENT. POLE TO BE 9.91m (32.5') ROUND GREY CONCRETE BY STRESS-CRETE CAT.# E-325-BPR-G-MOO-CSA s/f STYLE 120 OR APPROVED EQUIVALENT.
- ① 100mm PVC CONCRETE ENCASED AND STEEL REINFORCED DUCT AT ALECTRA UTILITIES CORPORATION CROSSING LOCATION FOR STREETLIGHTING SYSTEM. DUCT QUANTITIES SHOWN ON THIS PLAN ARE EXCLUSIVELY FOR THE STREETLIGHTING SYSTEM.
- D PROPOSED DRIVEWAY LOCATION
- GROUND ROD TO BE INSTALLED AT LAST LIGHT ON EACH CIRCUIT PER E.S.A.
- EX. S.L. EXISTING STREETLIGHT
- EX. ① EXISTING 100mm PVC RIGID DUCT
- EXISTING STREETLIGHT POWER PEDESTAL AS ABOVE.
- EX. H.P. EXISTING HYDRO POLE
- #25 MUNICIPAL ADDRESS NUMBER

REV	YYYY.MM.DD	DESCRIPTION	BY	CHECKED
R4	2018.04.13	ISSUED FOR TENDER	S.C.G.	
R3	2018.02.20	REV PER UPDATED CIVIL BASE RECEIVED 2018.02.20	K.V.L.	
R2	2018.01.08	REV PER ALECTRA COMMENTS RECEIVED 2017.01.08	N.S.J.	
R1	2017.10.06	REV PER UPDATED TYPICAL CROSS-SECTION RECEIVED 2017.10.06	K.V.L.	

REVISIONS

LICENSED PROFESSIONAL ENGINEER
S. C. GAYOWSKY
PROVINCE OF ONTARIO

RTG SYSTEMS INC.
ELECTRICAL CONSULTING ENGINEERS
3518 Mainway Dr., Suite 201 Office: (905) 335-4470
BURLINGTON ON L7M 1A8 Toronto: (905) 827-7887
E-MAIL: general@rtgsystems.com

CITY OF ST. CATHARINES

NEW FOURTH AVENUE ROAD MUNICIPAL STREETLIGHTING SYSTEM

DWG BY	DATE	CK'D BY	DATE
K.V.L.	2017.09.29		

SCALE 1:300 EXCEPT FOR SYMBOLS
DRAWING NO. SL-1
SHEET 1 OF 1

04534-00