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*A Suburban Technical  
Associates Group  
Company*

# Suburban Lighting Consultants

30 Hibiscus Ct • Doylestown, PA 18901 • (215) 348-7858 • FAX (215) 230-9112

November 4, 2016

**Mr. Patrick Duffy, Code Enforcement  
MIDDLETOWN TOWNSHIP  
3 Municipal Way  
Langhorne, Pa. 19047**

**Re: Required Roadway Lighting Installations  
TOLLGATE ROAD AND ROUTE 413  
STONE FARMS DEVELOPMENY  
Install 11-123watt LED luminaires  
Remove 1-4000 lumen Hg luminaire**

Dear Mr. Duffy:

As per your instructions, I have surveyed the roadway lighting for the above listed project. As a result of that review, I have required the use of 123 watt LED source asymmetric fixture, which is to be mounted at 25 foot mounting height on existing wood utility pole. The use of this type unit in the configuration shown are required by the municipality's standards, and are deemed to provide the acceptable footcandle level when placed on PECO poles shown on attached drawing. By copy of this letter, and the accompanying installation specifications, the Township may install this system, should they so desire. If the Township wishes to install, please notify me of your intention and I will submit the required PECO Energy paper work and obtain three contractor bids for your consideration.

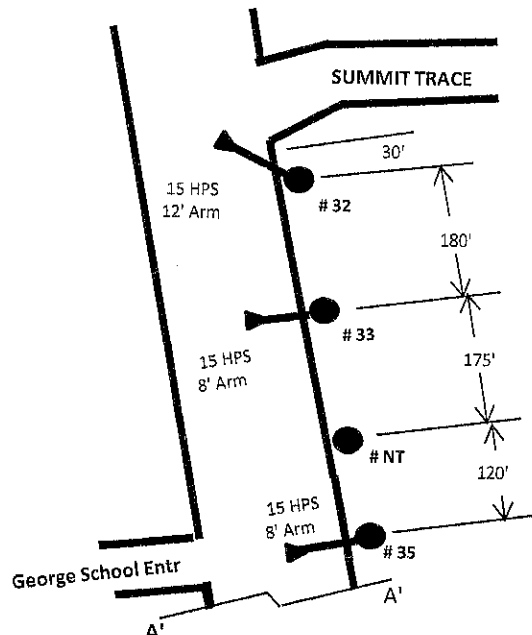
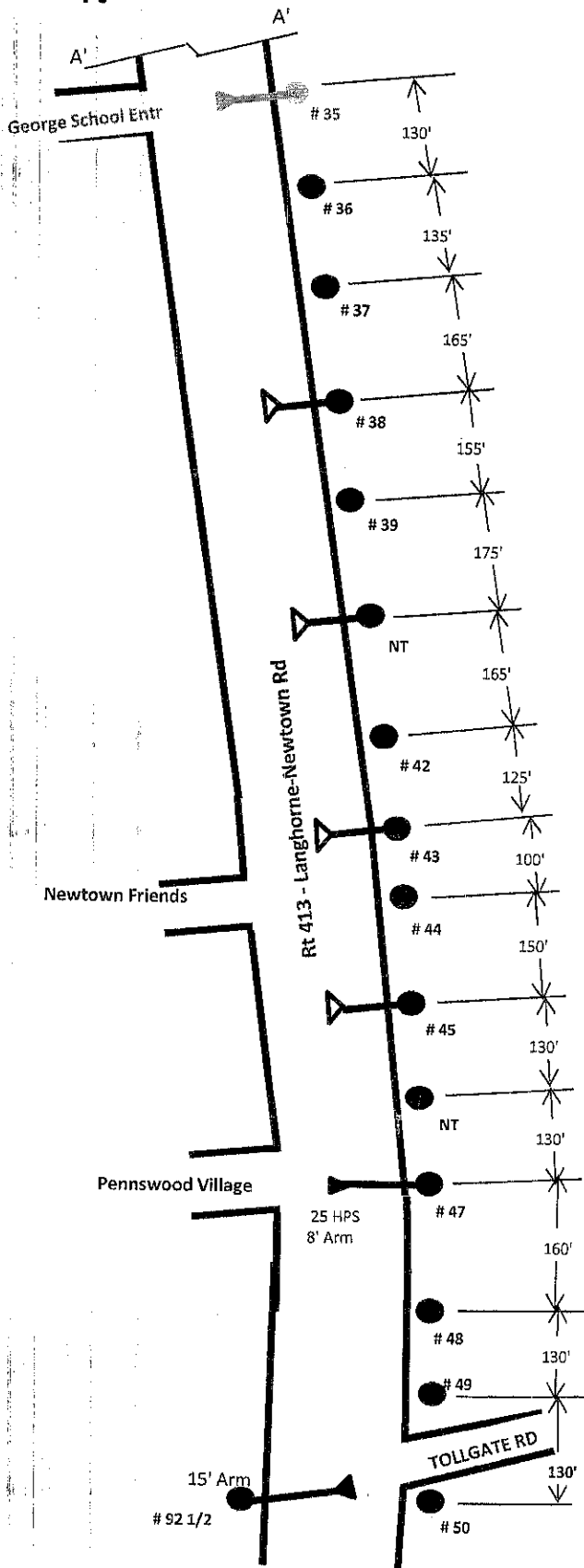
Should any questions arise concerning this matter, please contact me at your convenience.

Sincerely yours,



Ronald B. Smith  
Senior Engineer

RBS/bs  
Enc.



**LEGEND**

	Existing Utility Pole
	Existing Street Light to be Replaced
	New Street Light & Arm to be Installed

**SCOPE of WORK**

Install: (Four) (4) IES Type 3 - 123 watt LED Street Light Fixtures incl. Lamps, Arms & Brackets

No. of Lights	Pole Nos.	Arm Size
4	# 38 43, 45 & Pole with No Tag (NT) located betw # 39 & 42	8-Ft

**THE SUBURBAN GROUP**

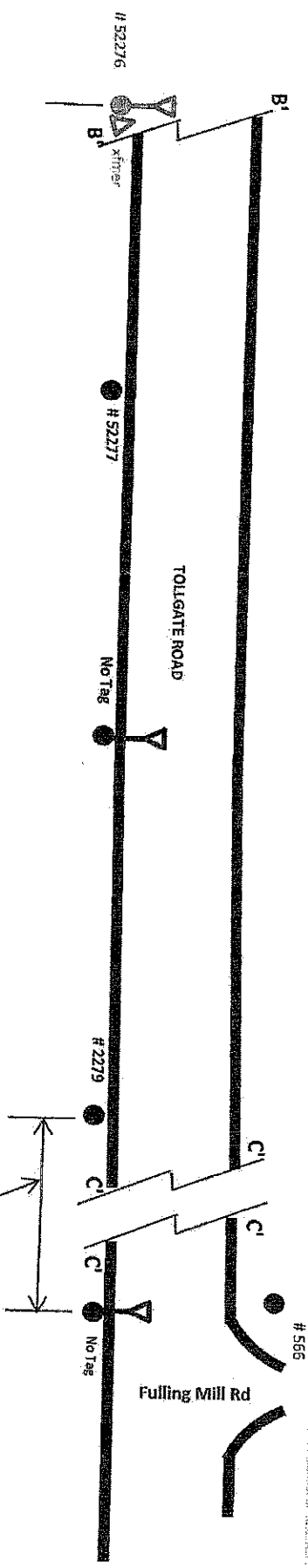
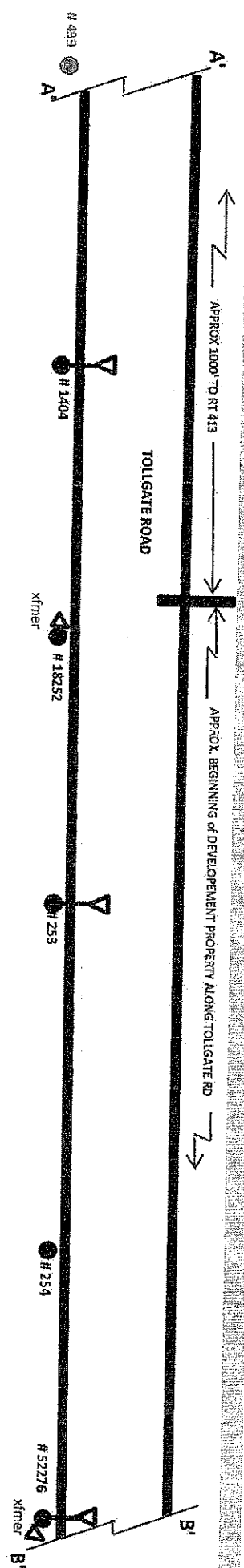
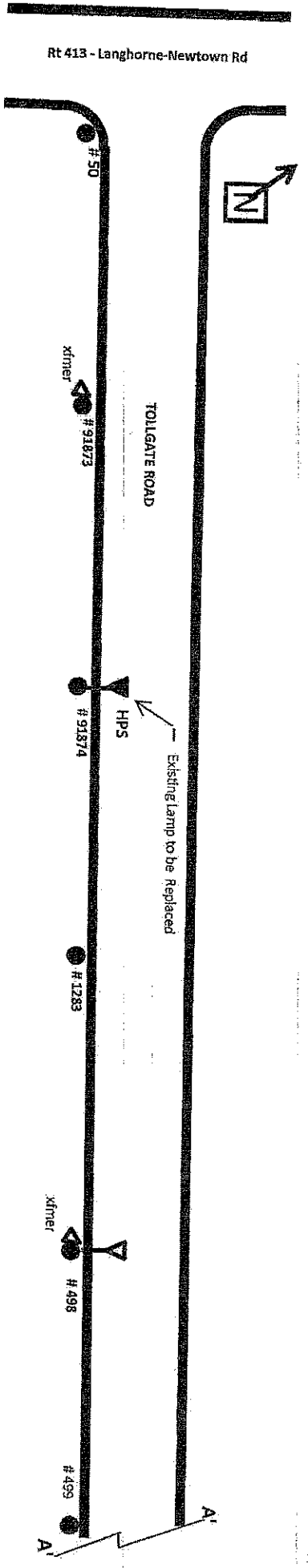
31 HIBISCUS COURT, DOYLESTOWN, PA 18901  
(215) 348-7858 FAX (215) 230-9113

**STREET LIGHTING PLAN**

Municipality **Middletown Township**

Project Location **TOLLGATE RD & RT 413**

SCALE	DATE	APPROVED BY	DRAWING NO.
NTS	10/26/2016	R. B. SMITH	MT 1 of 2



LEGEND	
●	Existing Utility Pole
▲	Existing Street Light to be replaced
▲	New Street Light, 8-Ft Arm & Bracket to be Installed

SCOPE OF WORK	
1	INSTALL: Six (6) IES Type 3 - 123 watt LED Street Light Fixtures Incl. Lamps, 8-Ft Arms & Brackets
2	REPLACE: Existing Lamp on Pole # 91874 with IES Type 3 - 123 watt LED Lamp

<b>THE SUBURBAN GROUP</b>	
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(215) 348-7858 FAX (215) 230-9112	
<b>STREET LIGHTING PLAN</b>	
Middletown Township	
TOLLGATE ROAD & Rt 413	
DATE	DRAWING NO.