

Exhibit "A" 2019-R51

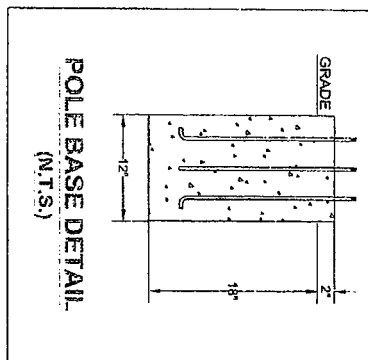
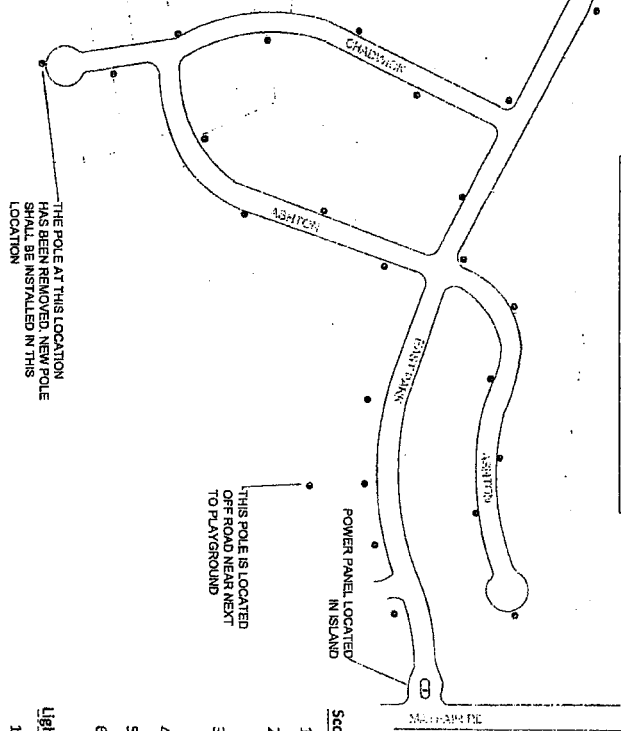
Plans (Attached)

Specifications (Attached)

Estimate (Attached)

- NOTES:**
1. Contractor is required to obtain any/all required permits.
 2. Contractor shall contact underground locating services before any excavation work.
 3. Contractor is responsible to ensure voltage of light fixtures will match lighting circuit before ordering.
 4. Contractor is required to provide any miscellaneous materials required to provide a complete and functional installation.
 5. Contractor shall warranty work for a minimum of (12) months.
 6. Contractor shall submit any substitution requests before providing final pricing.
 7. All bids are due no later than 05/27/2016 by SPM

LIGHTING PLAN
(N.T.S.)

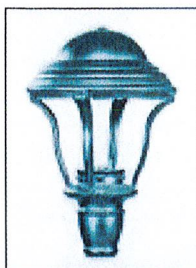


CONTACT INFORMATION
 Mario Spina
 3420 Ashton Dr.
 Uniontown, OH 44685
 Phone: (330) 807-7713
 email: mario@mspina.com

- Scope**
 Mayfair East Light Pole Replacement Project
1. Remove all existing light poles and dispose of them.
 2. Excavate for new concrete pole bases which are to be 12" diameter 24" below grade.
 3. Pour new concrete pole bases incorporating mounting J-bolts per pole manufacturer's requirements and required conduit.
 4. Erect new poles and mount new light fixtures.
 5. Make all required electrical connections.
 6. Repair any ground disturbed by work, included reseeding grass as required.
- Light Fixture:**
1. Phillips/Hanover: Manchester 3310-BLK-4-LED-240-3-B-N
 2. Phillips/Hanover: Athens 59630-BLK-3-C-4000K-A-5-H-N-5-N
- Light Pole:**
1. Phillips: 371-14-BLK
 2. Phillips: 792-14-BLK-3

MAYFAIR EAST STREET LIGHT REPLACEMENT
 3420 ASHTON DR.
 UNIONTOWN, OH 44685





E350LED / E360LED EURO SERIES

LED

EPA
1.0 (ft²)
WEIGHT
42.1 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
1,920 to
5,545

LIFE
SPAN
L70
UP TO
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ's

RATED
IP65

JOB NAME

FIXTURE TYPE

MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: 2A-E350LED-SF-12L45T5-MDH07-SVI-FHD/EUIPM/33I2P5/BCC/BKT

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Photocontrol	Option Fuse	Option Term. Block	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to view mounting configuration sheet)

- IW • 2A • 3A90 • 1AM
- PT • 2A90 • 3APT • 2AM
- 1A • 2APT • 4A • 450PB
- 1APT • 3A • 4APT

W = Wall Mount PT = Post Top APT = Post Top Arm Mid-Mount
A = Arm Mount AM = Arm Mid-Mount PB = Pier Base

Fixture

- E350LED • E360LED

Fitter

- SF (Standard Fitter) • UF (Utility Fitter)

LED

- 16L • 12L

CCT - Color Temperature (K)

- 27(00) • 35(00) • 45(00)

Type

- T2 • T3 • T4 • T5

Driver

- MDL07¹ (120v-277v, 700mA)
- MDL10 (120v-277v, 1000mA)
- MDL14² (120v-277v, 1400mA)
- MDH07¹ (347v-480v, 700mA)
- MDH10 (347v-480v, 1000mA)
- MDH14² (347v-480v, 1400mA)

¹ For use with 12L system only.

² For use with 16L system only.

Lens

- CA³ (Clear Acrylic)
- FA³ (Frosted Acrylic)
- FL⁴ (Flat Acrylic Lens)
- SG⁴ (Sag Glass)
- FSG⁴ (Frosted Sag Glass)
- SV1⁴ (Flat Soft Vue Medium Diffused Acrylic)
- SV2⁴ (Flat Soft Vue Heavy Diffused Acrylic)

³ For use with E360LED only.

⁴ For use with E350LED only.

Options (Click here to view accessories sheet)

- R⁵ 3-Pin control receptacle only
- R5⁵ 5-Pin control receptacle only
- R7⁵ 7-Pin control receptacle only
- PE⁶ Twist-Lock Photocontrol (120v-277v)
- PE3⁶ Twist-Lock Photocontrol (347v)
- PE4⁶ Twist-Lock Photocontrol (480v)
- SC⁶ Shorting Cap
- PEC⁷ Electronic Button Photocontrol (120v-277v)
- PEC4⁷ Electronic Button Photocontrol (480v)
- FHD⁸ Double Fuse and Holder
- TB⁵ Terminal Block
- HSS 120° House Side Shield

⁵ For use with "UF" utility fitter only.

⁶ Requires control receptacle.

⁷ For use with "UF" utility fitter, or remote mount on pole.

⁸ Ships loose for installation in base.

Arm (Click here to view arm website page)

See Arms & Wall Brackets specification sheets.

- EU1 • HMS • OLS • OMS • VCS • VFS • VLS

Pole (Click here to view pole website page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁹

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

⁹ Smooth finishes are available upon request.

Custom Finishes¹⁰

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

¹⁰ Custom colors require upcharge.

Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

Specifications

Fixture

This medium scale contemporary fixture includes a permanent mold aluminum roof, fitter and (4) sweeping support legs. The unit is provided with an acrylic tapered cylindrical molded lens matching the profile of the support legs (E360LED), or a flat acrylic lens allowing for an open body (E350LED). The top mounted ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing. The Luminaire shall be UL listed in US and Canada.

Fitter - Standard

Cast aluminum fitter slips a 3" OD x 3" tall tenon or pole.

Fitter - Utility

The utility fitter shall be heavy wall cast aluminum for high tensile strength. It shall slip a 3" OD x 3" tall tenon or pole. It shall have an entry door that provides open access to all of the components, secured with stainless steel hardware. The fitter shall have an optional terminal block for ease of wiring and an optional Twist-Lock Photocontrol receptacle or button photocell.

LED's

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be downward facing to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 50,000 hours with not less than 70% of original brightness

See next page



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

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www.sternberglighting.com

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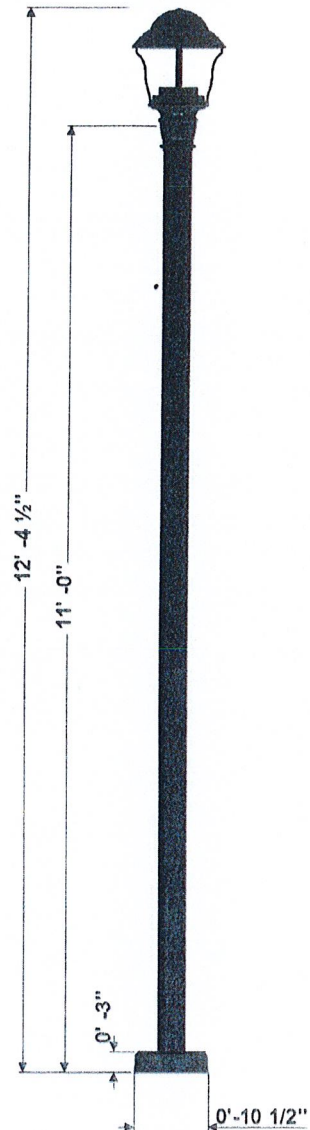
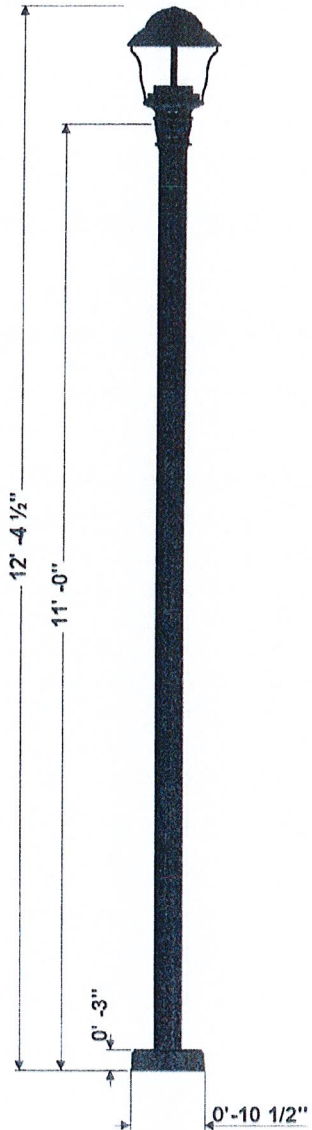


SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

555 Lawrence Avenue | Roselle, IL 60172 | p 847.588.3400 | www.sternberglighting.com

CONCEPTUAL ASSEMBLY DRAWING, SUBJECT TO ENGINEERING VERIFICATION BY THE FACTORY



Catalog Number: PT-E250LED-3ARC27T3R-MDL03- / FL / 450P411-.188 / BK

Job Name:

Customer Signature:

Drawing #27925

Job Location:

Date:

2019/05/13

2 of 2

Re: Mayfair East Lighting Replacement

Material Cost

Fixture Cost

\$1335 to \$1470

Pole Cost

\$475(4" Round straight Aluminum) to \$1200(Decorative Fluted Aluminum)

Misc. Costs

Quazite Box -\$200

Direct Burial Base - \$500

Labor Cost

Install Concrete base, intercept circuit, add Quazite box and install new fixture
\$1,750

Total Cost Material & Labor

Fixture Cost - \$1470

Pole Cost - \$475

Quazite Box - \$200

Concrete Base, Trenching, wiring & labor- \$1,750

Total - \$3,895 Each Pole

3,895 x 33=\$128,535

10% contingency = \$141,389 Total Project cost

Missing Items - Grass repair