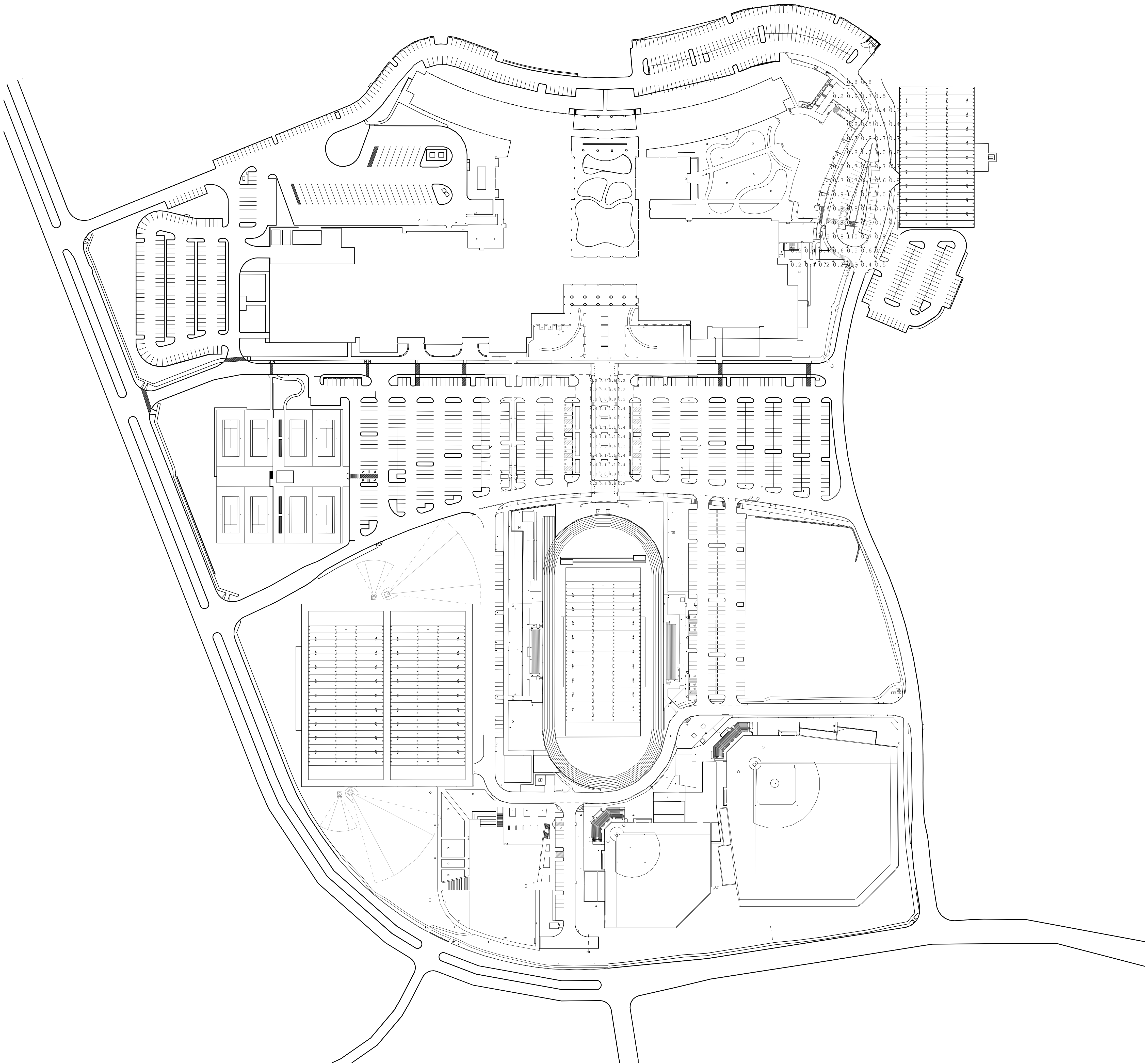


Exhibit O

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
PARKING LOT EAST	Illuminance	Fc	0.62	1.0	0.2	3.10
WALKWAY SOUTH	Illuminance	Fc	0.58	1.1	0.2	2.90

PHOTOMETRIC CALCULATIONS GENERAL NOTES  
(SOME NOTES MAY NOT BE USED)

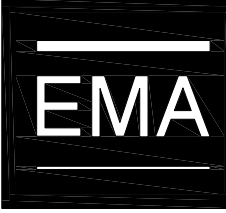
- THESE PLANS ARE ACCURATE AND DESIGNED IN COMPLIANCE WITH AND MEET THE REQUIREMENTS OF THE CITY OF TROPHY CLUB OUTDOOR LIGHTING ORDINANCE IN EFFECT AT THE TIME OF THE SUBMISSION OF PLANS.
- ALL CALCULATIONS SHOWN ARE AT THE GROUND LEVEL AND ARE MEASURED HORIZONTALLY.
- LIGHTING CALCULATIONS HAVE BEEN PRODUCED USING AGI32 LIGHTING SOFTWARE BY LIGHTING ANALYSTS, INC.



A4 ELECTRICAL PHOTOMETRIC PHASE 2 SITE PLAN  
1"=100'-0"

JASON W. REED  
TEXAS P.E. 105123  
Sep 18, 2018

JAMES M. TATE III  
TEXAS P.E. 102427  
Sep 18, 2018



EMA Engineering and Consulting  
Tyler • Austin • Houston  
Phone: 1-800-933-0538  
TBPE Firm Registration No. F-893  
www.estesmcclure.com

SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.



2218 BRYAN STREET  
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1214.283.8700  
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5646 MILTON STREET  
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CONSULTANTS

- CIVIL  
RLK ENGINEERING, INC.  
111 WEST MAIN STREET  
ALLEN, TEXAS 75013
- STRUCTURAL  
L.A. FUESS PARTNERS, INC.  
3333 LEE PARKWAY, SUITE 300  
DALLAS, TEXAS 75219
- MEP  
ESTES, MCCLURE & ASSOCIATES, INC.  
3608 WEST WAY  
TYLER, TEXAS 75703
- LANDSCAPING  
SMR LANDSCAPE ARCHITECTS, INC.  
1708 NORTH GRIFFIN STREET  
DALLAS, TEXAS 75202
- TECHNOLOGY  
MOYE CONSULTING  
1255 CORPORATE DRIVE, SUITE 100  
IRVING, TEXAS 75038
- FOOD SERVICE  
JMK FOODSERVICE CONSULTING & DESIGN  
3431 LAKEVIEW PARKWAY, SUITE 205  
ROWLETT, TEXAS 75088
- GENERAL CONTRACTOR  
NORTHSTAR BUILDERS GROUP  
270 NORTH DENTON TAP ROAD, SUITE 250  
CORPELL, TEXAS 75019

REVIEW ONLY  
NOT FOR CONSTRUCTION  
Sep 18, 2018

PROJECT



BYRON NELSON HIGH  
SCHOOL ADDITION  
AND RENOVATION  
2775 BOBCAT BOULEVARD  
TROPHY CLUB, TEXAS 76262

NORTHWEST ISD  
2001 TEXAN DRIVE  
JUSTIN, TEXAS 76247

KEYPLAN

ISSUE CHART

ISSUE	DATE
Job Number	143117-000
Drawn	
Checked	
Approved	Approver

TITLE

ELECTRICAL  
PHOTOMETRIC SITE  
PLAN

SHEET NUMBER

ES01-02