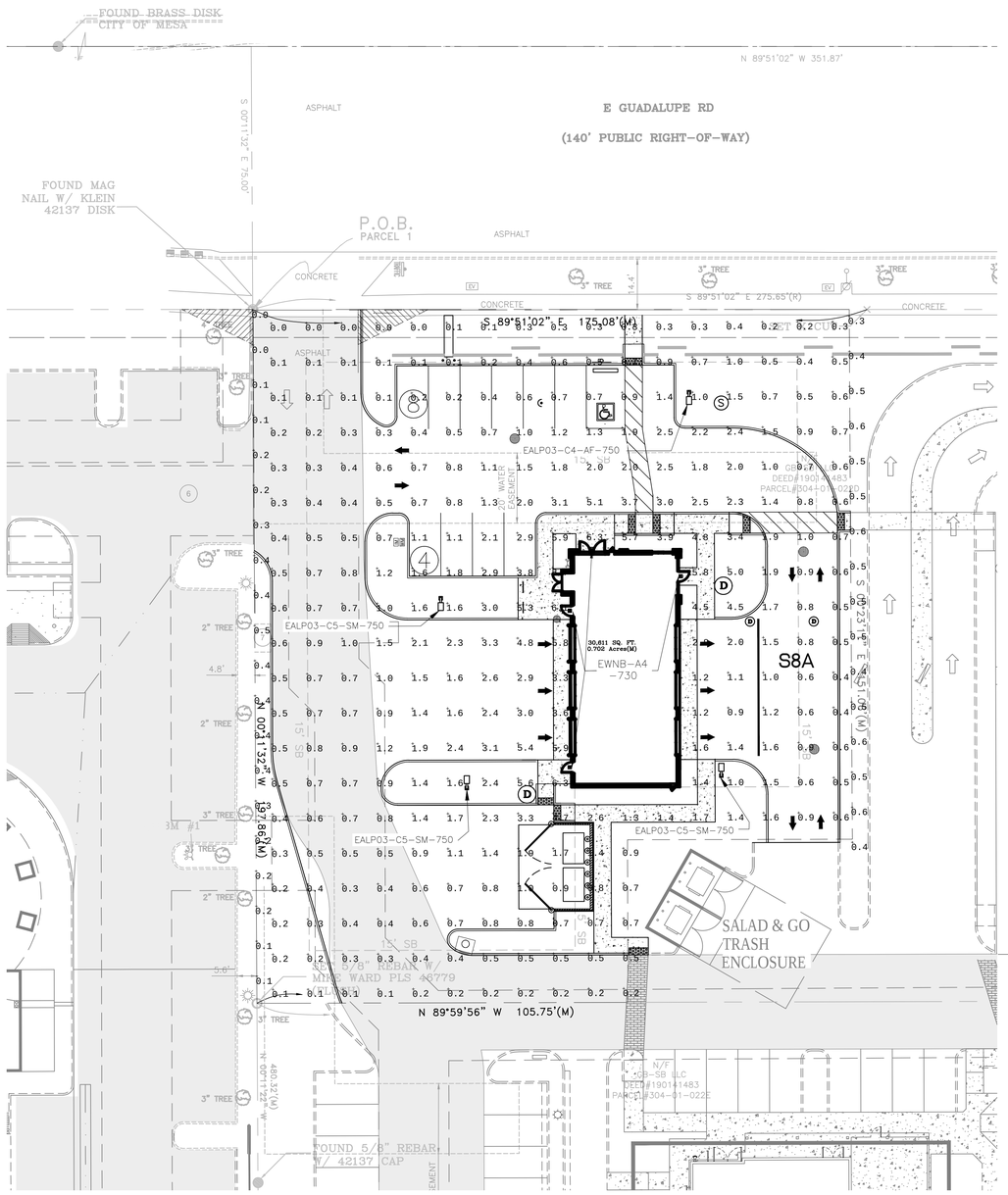

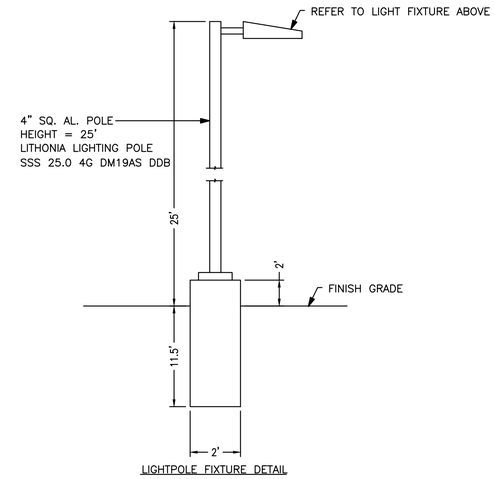

LIGHTPOLE FIXTURE DETAIL
N.T.S.

EXISTING LEGEND:

- MONUMENT FOUND
- MONUMENT SET
- P.K. NAIL FOUND
- P.K. NAIL SET
- MAG NAIL FOUND
- MAG NAIL SET
- FOUND X MARK
- SET X MARK
- R.R. SPIKE FOUND
- R.R. SPIKE SET
- BENCHMARK
- CONC. R/W MARKER
- (R) RECORD DATA
- (M) MEASURED DATA
- (C) CALCULATED DATA
- R/W RIGHT OF WAY
- BSL BACK SET LINE
- RCP REINFORCED CONC PIPE
- CMP CORRUGATED METAL PIPE
- PVC PLASTIC PIPE
- MTL METAL
- AGL ABOVE GROUND LEVEL
- F.P. FOOTPRINT
- DECIDUOUS TREE
- L/S LANDSCAPING
- CONIFER TREE
- SQUARE METAL LID
- FUEL TANK LID
- F.P. FLAG POLE
- UNKNOWN MANHOLE
- FROZEN MANHOLE
- UV UNKNOWN VAULT
- UVM UNKNOWN VAULT METAL
- UNKNOWN VALVE
- MB MAIL BOX
- BOLLARD
- B.H. BORE HOLE
- M.W. MONITORING WELL
- PWP POWERPOLE
- GUY WIRE
- LIGHT POLE
- GROUND LIGHT
- STREET LIGHT POLE
- ELEC. TRANSFORMER
- A/C AIR CONDITIONER
- E BURIED ELECTRIC
- O/HE OVERHEAD ELECTRIC
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC BOX
- GEN GENERATOR
- EV ELECTRICAL VAULT
- EP ELECTRICAL PEDESTAL
- W WATER LINE
- WATER MANHOLE
- WATER VALVE
- WATER METER
- HYDRANT
- BACK FLOW PREVENTOR
- FIRE DEPARTMENT CONNECTION
- FIRE PROTECTION VALVE
- HOSE BIBB
- CONTROL VALVE
- IRRIGATION CONTROL VALVE
- RECLAIMED WATER VALVE
- WV WATER VAULT
- GAS VALVE
- GAS METER
- UNDERGROUND GAS MARKER
- GP GAS PEDESTAL
- GAS MANHOLE
- G GAS LINE
- PPT PROPANE TANK
- UNDERGROUND OIL MARKER
- SS SAN. SEWER LINE
- SEWER MANHOLE
- GT GREASE TRAP
- FM FORCE MAIN
- C/O CLEAN OUT
- SD STORM DRAIN LINE
- STORM DRAIN MANHOLE
- SI STORM INLET
- CB CATCH BASIN
- CURB INLET
- PAY PHONE
- T TELEPHONE BOX
- TP TELEPHONE PEDESTAL
- TELEPHONE MANHOLE
- TP TELEPHONE POLE
- T TELEPHONE LINE
- O/HT OVERHEAD TELEPHONE
- UT UNDERGROUND TELEPHONE MARKER
- C CABLE TELEVISION
- FO FIBER OPTIC CABLE
- O/HC OVERHEAD CABLE
- CX CABLE BOX
- CP CABLE PEDESTAL
- UX UNDERGROUND CABLE MARKER
- TCM TELECOMMUNICATIONS MANHOLE
- TCP TELECOMMUNICATIONS PEDESTAL
- TS TRAFFIC POLE
- TRAFFIC SIGNAL
- TRAFFIC MANHOLE
- T-S TRAFFIC SIGNAL BOX
- TRV TRAFFIC VAULT
- STOP STOP SIGN
- SIGN
- GUARD RAIL
- FENCE

Ordering Number Logic
Evolve LED Wall Pack N Series (EWNB)

E W N B – – – 7 – – – – – – – –

PROD ID	PHOTOMETRIC SERIES	VOLTAGE	OPTICAL CODE	CRI	LED COLOR TEMP	IES FILE DIST.	MOUNTING ARM	FINISH	OPTIONS
E = Evolve W = Wall Pack N = Housing Series	B = Photometric Series "B"	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480V*	7 = 70 (min)		30 = 3000K 40 = 4000K 50 = 5000K	1 = None 3 = Button PE* A = ANSI C136.41 7-pin PE Receptacle # D = ANSI C136.41 7-pin PE Receptacle with Shorting Cap #	N = None Required	BLCK = Black DKBZ = Dark Bronze GRAY = Gray WHITE = White Contact manufacturer for other colors.	D = External Dimming Leads Provided (0-10Volt Input) F = Fusing L = Tool less entry R = 10KV Enhanced Surge Protection H = Motion Sensor # U = DALI Dimming*^ XXX = Special Options # R & H options cannot be purchased together. Not available with voltage 5, D and H. + Compatible with LightGrid 2.0 nodes. ^ Not compatible at 347-480V, with A-level optical code, or with motion sensor control.

*Only available with voltage 1,2,3 and 4.
Order Dimming/Control PE as a separate item. See accessories section of this datasheet for ordering information.

OPTICAL CODE	TYPE	TYPICAL INITIAL LUMENS 3000K	4000K	5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K	4000 & 5000K	IES FILE NUMBER 3000K	4000K	5000K
A4	Asymmetric Forward	4,000	4,300	44		B1-U0-G1	B1-U0-G1	EWNB_A4730_ies	EWNB_A4740_ies	EWNB_A4750_ies
B4	Asymmetric Forward	5,800	6,200	58		B1-U0-G2	B1-U0-G2	EWNB_B4730_ies	EWNB_B4740_ies	EWNB_B4750_ies
C4	Asymmetric Forward	7,500	8,000	70		B1-U0-G2	B2-U0-G2	EWNB_C4730_ies	EWNB_C4740_ies	EWNB_C4750_ies
D4	Asymmetric Forward	9,200	9,800	89		B1-U0-G2	B2-U0-G2	EWNB_D4730_ies	EWNB_D4740_ies	EWNB_D4750_ies
E4	Asymmetric Forward	10,800	11,500	98		B2-U0-G2	B2-U0-G2	EWNB_E4730_ies	EWNB_E4740_ies	EWNB_E4750_ies
F4	Asymmetric Forward	12,900	13,700	125		B2-U0-G3	B2-U0-G3	EWNB_F4730_ies	EWNB_F4740_ies	EWNB_F4750_ies

TYPE IV

Ordering Number Logic
Evolve™ LED Area Light (EALS-03)

E A L S 0 3 – – – – – 7 – – – – – – – – – – – – – –

PROD. ID	GENERATION	VOLTAGE	OPTICAL DISTRIBUTION CODE	CRI	CCT	DIMMING	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve AL = Area Light S = Standard	03 = 3rd Generation	0 = 120-277* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480*	SM = Symmetric Medium SW = Symmetric Wide SH = Symmetric High Angle AF = Asymmetric Forward AH = Asymmetric High Angle AW = Asymmetric Wide AN = Asymmetric Narrow/Auto	7 = 70 (min)	30 = 3000K# 40 = 4000K 50 = 5000K +Select 3000K CCT for IDA Approved units	N = Dimming thru PE receptacle D = External Dimming 1B/2-3B cable X = Non-dimmable# All constructions supplied with ANSI C136.41 7-pin Receptacle *Required for Cx Optical Codes. Not available for other optical codes. Note: Standard dimming 0-10V	A = ANSI 7-pin PE receptacle (no control) D = ANSI 7-pin PE receptacle with shorting cap provided Note: See accessories section on page 10 for PE Control ordering	C1 = Integral Slipfitter for 1.25"-2" Pipe (1.66in.OD - 2.375in. OD)* D1 = Universal Mounting Arm, fitted for round or square pole mounting** K1 = Knuckle Slipfitter for 1.9 in - 2.5in OD Tenon*** S1 = Knuckle Slipfitter for 2.5in. - 3.0in OD Tenon*** V1 = Knuckle Wall Mount*** * Supplied with 3FT leads ** Supplied with 3FT #14/3 power cable *** Restricted Aiming Angle 0° to +45°	GRAY = Gray BLCK = Black DKBZ = Dark Bronze WHITE = White	F = Fusing R = Motion Sensor Sensor Swit H2 = Motion Sensor Disarm J = cULCanada L = Tool-Less Entry R = Enhanced Surge Protec (10kV/5kA) S1 = Rotated Left 1 S2 = Rotated Right 1 T = Elevated Surge Protect (20kV/10kA) U = DALI dimming^+ V = 3-Position Terminal Blo = Coated Finish XXX = Special Options * Contact Manufacturer for availability + Compatible with LightGrid 3.0 nodes ** Not compatible at 347-480V or with motion sensor control Note: Photos are right light distribution orientation, as assembled in manufacturing. Not applicable for Symmetric Distribu Note: F2 option not available in 277V

TYPE	OPTICAL CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS 3000K	4000K & 5000K	TYPICAL SYSTEM WATTAGE 120-277V & 347-480V	BUG RATING 3000K & 4000K	4000 & 5000K	IES FILE NUMBER 3000K	IES FILE NUMBER 4000K & 5000K	IES FILE NUMBER 3000K	4000K & 5000K
Type V	C5	Symmetric Medium (SM)	7300	7500	46	B3-U0-G1	B3-U0-G1	EALS03_C5SM730_IES	EALS03_C5SM740_IES	EALS03_C5SM750_IES	
	D5	Symmetric Medium (SM)	9800	10000	64	B3-U0-G1	B3-U0-G1	EALS03_D5SM730_IES	EALS03_D5SM740_IES	EALS03_D5SM750_IES	
	F5	Symmetric Medium (SM)	14700	15000	101	B4-U0-G2	B4-U0-G2	EALS03_F5SM730_IES	EALS03_F5SM740_IES	EALS03_F5SM750_IES	
	H5	Symmetric Medium (SM)	19600	20000	140	B4-U0-G2	B4-U0-G2	EALS03_H5SM730_IES	EALS03_H5SM740_IES	EALS03_H5SM750_IES	
	J5	Symmetric Medium (SM)	24500	25000	186	B4-U0-G2	B4-U0-G2	EALS03_J5SM730_IES	EALS03_J5SM740_IES	EALS03_J5SM750_IES	
	K5	Symmetric Medium (SM)	29400	30000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SM730_IES	EALS03_K5SM740_IES	EALS03_K5SM750_IES	
	C5	Symmetric Wide (SW)	7300	7500	46	B2-U0-G1	B2-U0-G1	EALS03_C5SW730_IES	EALS03_C5SW740_IES	EALS03_C5SW750_IES	
	D5	Symmetric Wide (SW)	9800	10100	64	B3-U0-G1	B3-U0-G1	EALS03_D5SW730_IES	EALS03_D5SW740_IES	EALS03_D5SW750_IES	
	F5	Symmetric Wide (SW)	14700	15100	101	B3-U0-G2	B3-U0-G2	EALS03_F5SW730_IES	EALS03_F5SW740_IES	EALS03_F5SW750_IES	
	H5	Symmetric Wide (SW)	19700	20200	140	B4-U0-G2	B4-U0-G2	EALS03_H5SW730_IES	EALS03_H5SW740_IES	EALS03_H5SW750_IES	
	J5	Symmetric Wide (SW)	24600	25200	186	B4-U0-G2	B4-U0-G2	EALS03_J5SW730_IES	EALS03_J5SW740_IES	EALS03_J5SW750_IES	
	K5	Symmetric Wide (SW)	29600	30300	239	B5-U0-G2	B5-U0-G2	EALS03_K5SW730_IES	EALS03_K5SW740_IES	EALS03_K5SW750_IES	
	C5	Symmetric High Angle (SH)	7000	7200	46	B3-U0-G1	B3-U0-G1	EALS03_C5SH730_IES	EALS03_C5SH740_IES	EALS03_C5SH750_IES	
	D5	Symmetric High Angle (SH)	9400	9600	64	B3-U0-G2	B3-U0-G2	EALS03_D5SH730_IES	EALS03_D5SH740_IES	EALS03_D5SH750_IES	
	F5	Symmetric High Angle (SH)	14200	14500	101	B4-U0-G2	B4-U0-G2	EALS03_F5SH730_IES	EALS03_F5SH740_IES	EALS03_F5SH750_IES	
	H5	Symmetric High Angle (SH)	18900	19300	140	B4-U0-G2	B4-U0-G2	EALS03_H5SH730_IES	EALS03_H5SH740_IES	EALS03_H5SH750_IES	
	J5	Symmetric High Angle (SH)	23600	24100	186	B5-U0-G3	B5-U0-G3	EALS03_J5SH730_IES	EALS03_J5SH740_IES	EALS03_J5SH750_IES	
	K5	Symmetric High Angle (SH)	28400	29000	239	B5-U0-G3	B5-U0-G3	EALS03_K5SH730_IES	EALS03_K5SH740_IES	EALS03_K5SH750_IES	
Type IV	C4	Asymmetric Forward (AF)	7300	7500	50	B1-U0-G2	B1-U0-G2	EALS03_C4AF730_IES	EALS03_C4AF740_IES	EALS03_C4AF750_IES	
	D4	Asymmetric Forward (AF)	9800	10000	70	B2-U0-G2	B2-U0-G2	EALS03_D4AF730_IES	EALS03_D4AF740_IES	EALS03_D4AF750_IES	
	F4	Asymmetric Forward (AF)	14700	15000	116	B2-U0-G2	B2-U0-G2	EALS03_F4AF730_IES	EALS03_F4AF740_IES	EALS03_F4AF750_IES	
	H4	Asymmetric Forward (AF)	19600	20000	140	B3-U0-G3	B3-U0-G3	EALS03_H4AF730_IES	EALS03_H4AF740_IES	EALS03_H4AF750_IES	
	J4	Asymmetric Forward (AF)	24500	25000	186	B3-U0-G3	B3-U0-G3	EALS03_J4AF730_IES	EALS03_J4AF740_IES	EALS03_J4AF750_IES	
	K4	Asymmetric Forward (AF)	29400	30000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AF730_IES	EALS03_K4AF740_IES	EALS03_K4AF750_IES	
	C4	Asymmetric High Angle (AH)	7000	7200	50	B2-U0-G2	B2-U0-G2	EALS03_C4AH730_IES	EALS03_C4AH740_IES	EALS03_C4AH750_IES	
	D4	Asymmetric High Angle (AH)	9400	9600	70	B2-U0-G2	B2-U0-G2	EALS03_D4AH730_IES	EALS03_D4AH740_IES	EALS03_D4AH750_IES	
	F4	Asymmetric High Angle (AH)	14200	14500	116	B3-U0-G3	B3-U0-G3	EALS03_F4AH730_IES	EALS03_F4AH740_IES	EALS03_F4AH750_IES	
	H4	Asymmetric High Angle (AH)	18900	19300	140	B3-U0-G3	B3-U0-G3	EALS03_H4AH730_IES	EALS03_H4AH740_IES	EALS03_H4AH750_IES	
	J4	Asymmetric High Angle (AH)	23600	24100	186	B3-U0-G4	B3-U0-G4	EALS03_J4AH730_IES	EALS03_J4AH740_IES	EALS03_J4AH750_IES	
	K4	Asymmetric High Angle (AH)	28400	29000	239	B3-U0-G4	B3-U0-G4	EALS03_K4AH730_IES	EALS03_K4AH740_IES	EALS03_K4AH750_IES	

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	4	EWNB A4730	SINGLE	N.A.	1.000	EWNB A4730
	3	EALP03 C5SM750	SINGLE	N.A.	1.000	EALP03 C5SM750
	1	EALP03 C4AF750	SINGLE	N.A.	1.000	EALP03 C4AF750

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	1.30	6.3	0.0	N.A.	N.A.
CalcPts_2	Illuminance	Fc	0.25	0.5	0.0	N.A.	N.A.
CalcPts_3	Illuminance	Fc	0.49	0.6	0.3	1.63	2.00

Know what's **below.**
Call before you dig.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GreenbergFarrow
1430 W. Peachtree St. NW
Suite 200
Atlanta, GA 30309
t: 404 601 4000 f: 404 601 3970

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No.	Revisions/Submissions	Date
	CIVIL PLANS SUBMITTAL	01-05-21
	ENTITLEMENT SUBMITTAL	12-01-20

VALVOLINE INSTANT OIL CHANGE
10739 E GUADALUPE ROAD
MESA, ARIZONA

Professional Seal
Registered Professional Engineer (Civil)
CERTIFICATE NO. 68113
STEPHEN POWERS
Date Signed 12/1/20
ARIZONA U.S.A.
EXPIRES: 3/31/22

Project No.	20191177.0
Scale	1:20
Drawn	NICOLE NOVACK
Checked	STEPHEN POWERS
Date	12-01-20

Drawing Title
PHOTOMETRIC PLAN

Drawing No.
C-8.0

Drawing Name: R:\20191\20191177\0_BID Civil_Current Drawings\Master 20191177.dwg Last Modified: Jan 11, 2021 - 10:30am Plotted on: Jan 11, 2021 - 11:30am by nsvatt