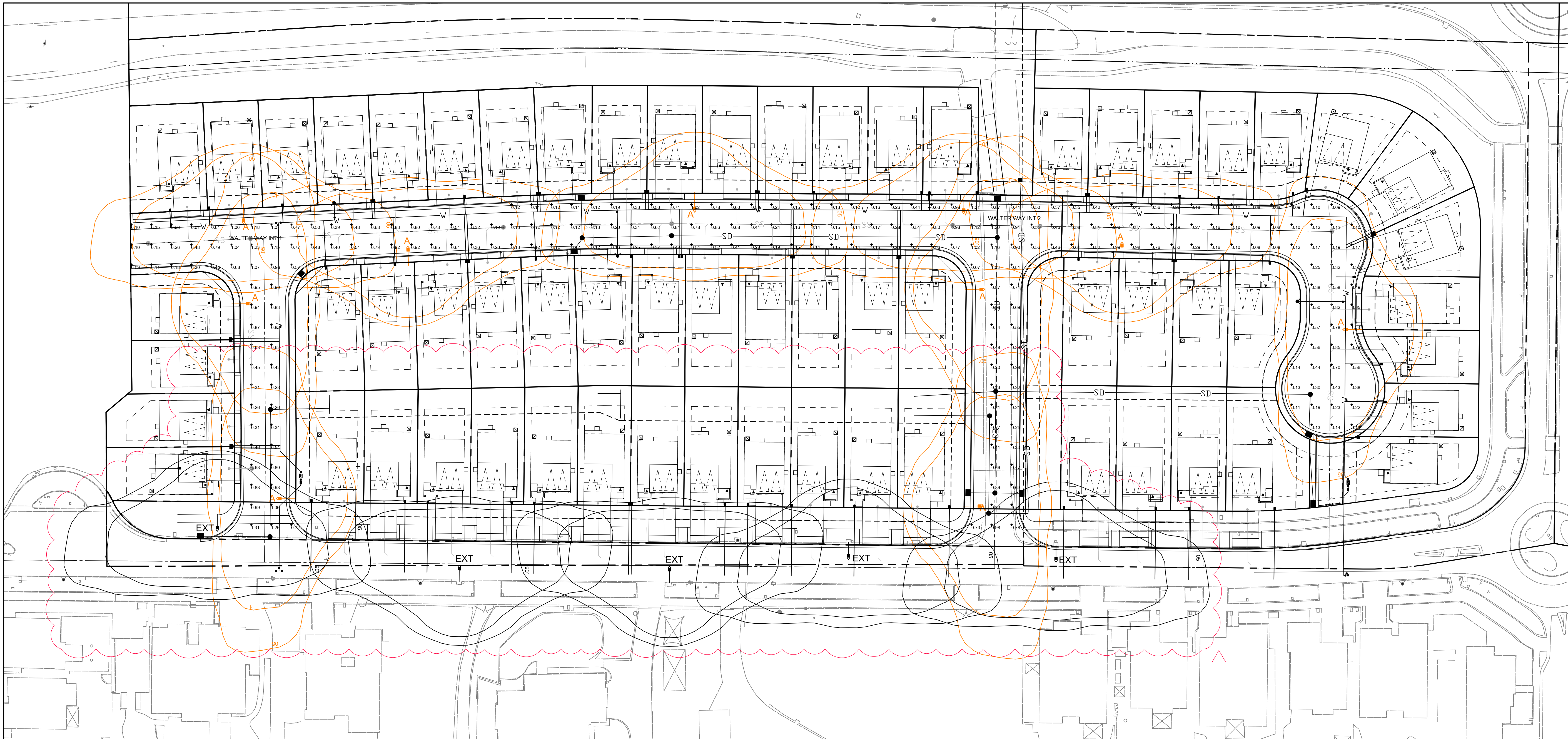


Photometric Plan





SCALE: 1" = 40'

PLAN VIEW

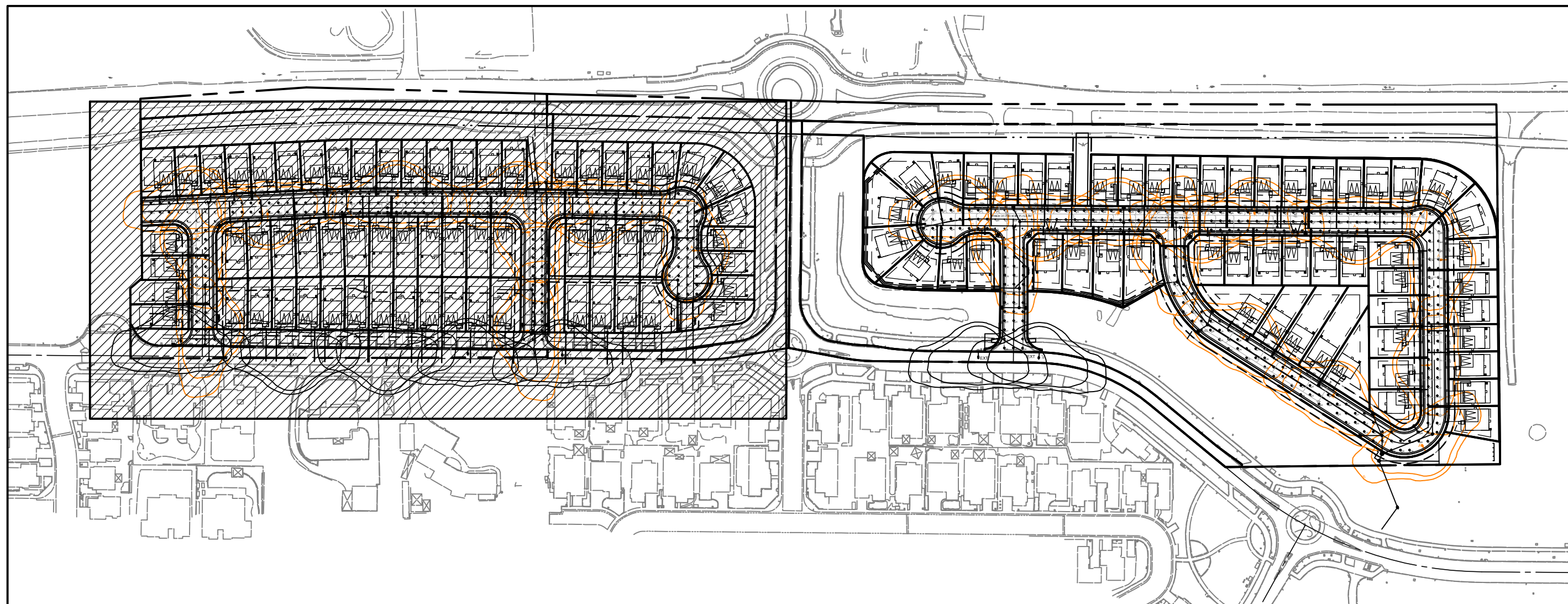
LIGHTING PLAN - PHOTOMETRIC ANALYSIS - LAYOUT RECOMMENDATION

(ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT FINISHED GRADE, U.O.N.)

Luminaire Schedule							
Project: HECKER PASS RD - WEST SIDE							
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename
	23	A	Single	5474	0.900	LEOTEK GCJ1-30J-MV-40K-2R-XX-055-XX - 32" L.C.+12" ARM	GCJ1-30J-MV-40K-2R-XX-055 S.ies
	7	EXT	Single	5474	0.900	LEOTEK GCJ1-30J-MV-40K-2R-XX-055-XX - 32" L.C.+10" ARM	GCJ1-30J-MV-40K-2R-XX-055 S.ies

Calculation Summary									
Project: HECKER PASS RD - WEST SIDE									
Label	Description	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min	# Pts
WALTER WAY	LOCAL 0.40FC AVG / 6:1 AVGMIN	Illuminance	Fc	0.43	1.31	0.08	5.4	16.4	224
WALTER WAY INT 1	LOCAL/LOCAL T-INTERSECTION 0.80FC. AVG / 6:1 AVGMIN	Illuminance	Fc	0.86	1.23	0.46	1.9	2.7	17
WALTER WAY INT 2	LOCAL/LOCAL T-INTERSECTION 0.80FC. AVG / 6:1 AVGMIN	Illuminance	Fc	0.82	1.21	0.37	2.2	3.3	21

Note: Unless otherwise specified - the lamp lumen depreciation (LLD) for legacy sources used in these calculations is based on published mean lumen ratings by major lamp manufacturers; 0.80 LLD for pulse start metal halide; 0.90 LLD for high pressure sodium; 0.95 LLD for linear T8 and T5 fluorescent; 0.86 LLD for compact fluorescent and induction; 0.88 LLD for Cosmo and Elite lamps. 0.94 LLD for all LED sources. Unless otherwise noted - 0.90 luminaire dirt depreciation (LDD) is commonly applied. In cases where appropriate - ballast factor (BF) is applied. Additional user defined factors (UDF) may be applied if necessary to represent luminaire performance to a higher degree of accuracy. Total light loss factor (LLF) is the product of all multiplied loss factors.



PLAN VIEW - N.T.S.

Drawing Release:

No.	Description	Date
1	1st Plan Review	2/16/24

Applicant:
MANA CAMDEN FUND, LLC
Scott Murray
5927 Balfour Ct. Ste 208
Carlsbad, CA 92008
TEL: 408-406-6000
sm@manainv.com

2480 & 2740 Hecker Pass Road
Hecker Pass Single-Family Development
February 16, 2024

PRELIMINARY - NOT FOR CONSTRUCTION
NOT FOR QUOTING PURPOSES

Associated Lighting Representatives, Inc.

San Jose, CA
95128-3300
950-233-3000
950-233-3000

PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS IS FROM THE MANUFACTURER'S LUMEN DATA. THE RESULTS OF THESE CALCULATIONS ARE BASED ON THE ASSUMPTIONS AND DATA PROVIDED. THE RESULTS OF THESE CALCULATIONS ARE NOT A GUARANTEE OF THE RESULTS. THE RESULTS OF THESE CALCULATIONS ARE NOT A GUARANTEE OF THE RESULTS. THE RESULTS OF THESE CALCULATIONS ARE NOT A GUARANTEE OF THE RESULTS.

Calculations have been performed according to IESNA standards and good practice. Some differences between manufacturer's data and calculations may occur due to rounding. The results of these calculations are based on the assumptions and data provided. The results of these calculations are not a guarantee of the results. The results of these calculations are not a guarantee of the results. The results of these calculations are not a guarantee of the results.

AG32

Lighting Analysis

AG32 VERSION 20.1

AG (C) 2024 LIGHTING ANALYSTS, INC.

10288 W. CENTERVILLE (U.S.) SAFE CELL UTILITY, CO. USA 80127

REPORT DATE: 02/16/24

REPORT TO: MANA CAMDEN FUND, LLC

REPORT FOR: 2480 & 2740 Hecker Pass Road

REPORT BY: TIM HALEY

REPORT FOR: ASSOCIATED LIGHTING REPRESENTATIVES, INC.

REPORT BY: GILBERTO RODRIGUEZ

REPORT FOR: ASSOCIATED LIGHTING REPRESENTATIVES, INC.

PROJECT: HECKER PASS RD - WEST SIDE - ROADWAY

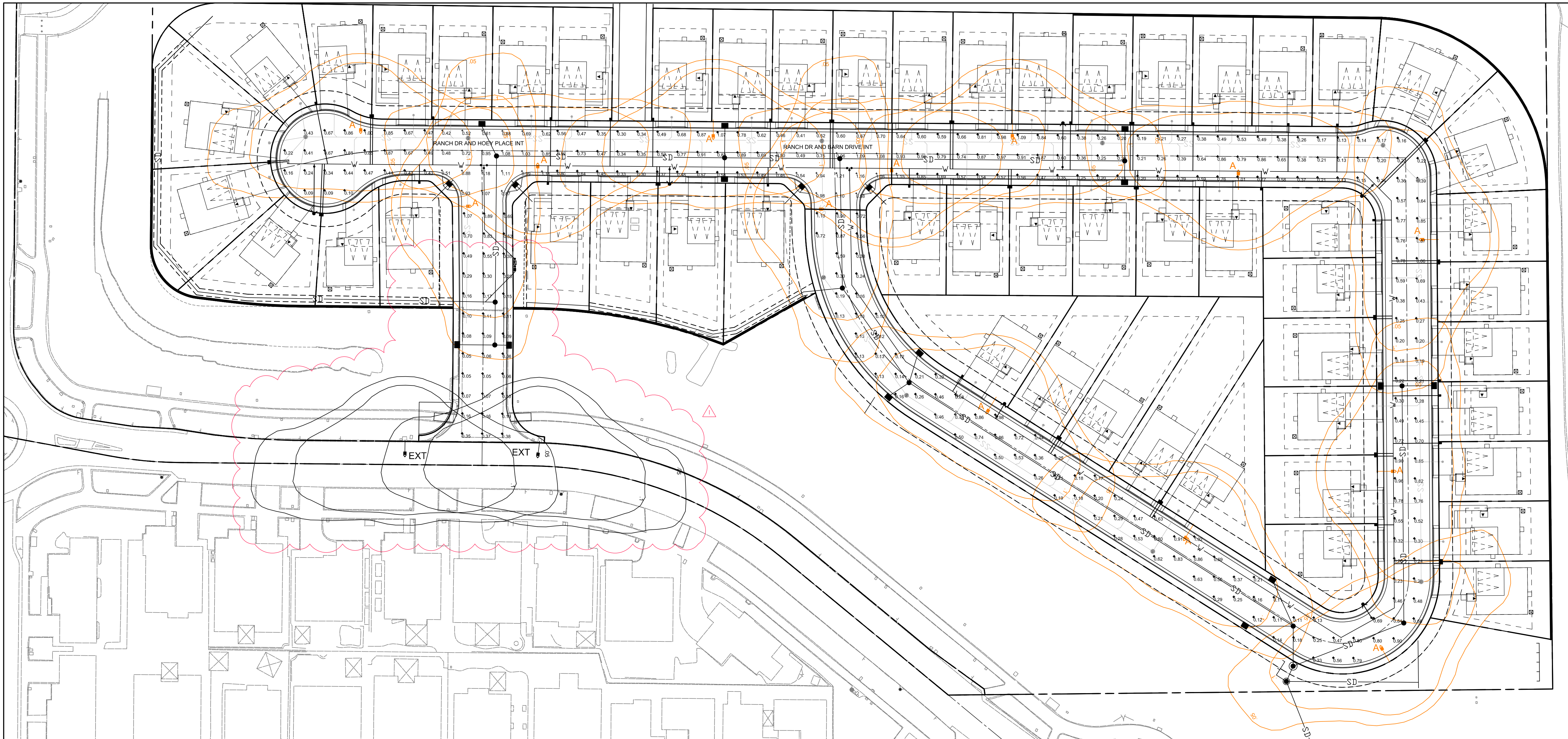
PROJECT NO.: 223714L-R1

PROJECT FILE: 223714L-R1

PROJECT DATE: 02/14/2024

PROJECT SHEET: 1 OF 2

PROJECT SCALE: AS NOTED



SCALE: 1" = 40'

PLAN VIEW

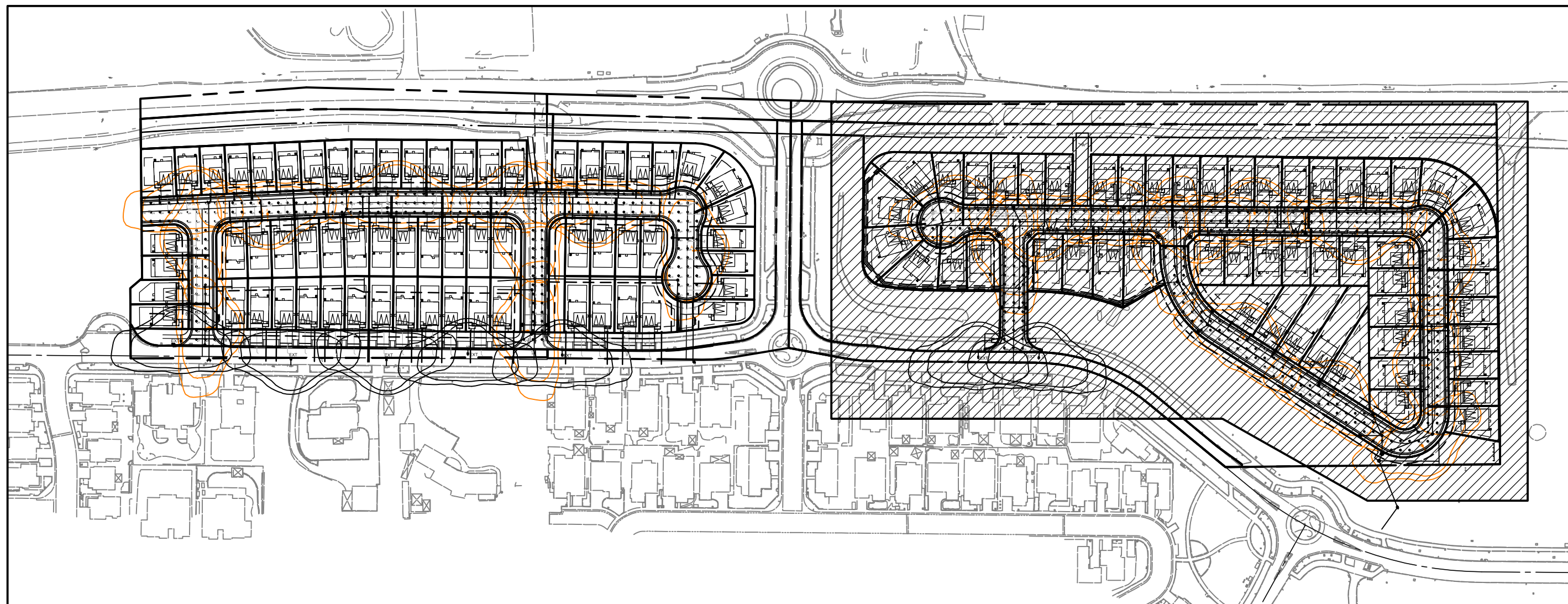
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(ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT FINISHED GRADE, U.O.N.)

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Calculation Summary									
Project: HECKER PASS RD - WEST SIDE									
Label	Description	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min	# Pts
BARN DRIVE	LOCAL 0.40FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.45	1.10	0.10	4.5	11.0	137
HOEY CT	LOCAL 0.40FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.51	1.00	0.09	5.7	11.1	26
HOEY PLACE	LOCAL 0.40FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.28	1.07	0.05	5.6	21.4	36
RANCH DR AND BARN DRIVE INT	LOCAL/LOCAL T-INTERSECTION 0.80FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.80	1.21	0.41	2.0	3.0	24
RANCH DR AND HOEY PLACE INT	LOCAL/LOCAL T-INTERSECTION 0.80FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.82	1.18	0.42	2.0	2.8	21
RANCH DRIVE	LOCAL 0.40FC, AVG / 6:1 AVG/MIN	Illuminance	Fc	0.53	1.09	0.13	4.1	8.4	102

Note: Unless otherwise specified - the lamp lumen depreciation (LLD) for legacy sources used in these calculations is based on published mean lumen ratings by major lamp manufacturers; 0.80 LLD for pulse start metal halide; 0.90 LLD for high pressure sodium; 0.95 LLD for linear T8 and T5 fluorescent; 0.86 LLD for compact fluorescent and induction; 0.88 LLD for Cosmo and Elite lamps; 0.94 LLD for all LED sources. Unless otherwise noted - 0.90 luminaire dirt depreciation (LDD) is commonly applied. In cases where appropriate - ballast factor (BF) is applied. Additional user defined factors (UDF) may be applied if necessary to represent luminaire performance to a higher degree of accuracy. Total light loss factor (LLF) is the product of all multiplied loss factors.



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No.	Description	Date
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NOT FOR QUOTING PURPOSES

Associated Lighting Representatives, Inc.

9950 S. 200th St.
Suite 100
Federal Way, WA 98003
206.875.7770

PHOTOMETRIC DATA IS PROVIDED AS A SERVICE FOR THESE CALCULATIONS. IT IS THE USER'S RESPONSIBILITY TO VERIFY THE DATA AND TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES. THE DATA IS PROVIDED AS A SERVICE AND IS NOT A GUARANTEE OF PERFORMANCE. THE DATA IS PROVIDED AS A SERVICE AND IS NOT A GUARANTEE OF PERFORMANCE.

AG32

AG32

Lighting Analysis

AG32

SALES REPRESENTATIVE:
TIM HALEY
ASSOCIATED LIGHTING REPRESENTATIVES, INC.

SALES REPRESENTATIVE:
GILBERTO RODRIGUEZ
ASSOCIATED LIGHTING REPRESENTATIVES, INC.

PROJECT DESIGN GROUP
RIPLEY DESIGN GROUP

SALES REPRESENTATIVE:
TIM HALEY
ASSOCIATED LIGHTING REPRESENTATIVES, INC.

HECKER PASS RD - WEST SIDE - ROADWAY

223774L-R1-ADW/AG32

SCALE
AS NOTED

DATE
02/14/2024

SHEET
2 OF 2

1