

ADDENDUM NO. 1

TO: ALL PLAN HOLDERS

RE: CITY OF EL DORADO / UNION COUNTY RECREATIONAL COMPLEX
CONTRACT 4 – SOCCER FIELD CONSTRUCTION

ADDENDUM DATE: JUNE 18, 2020

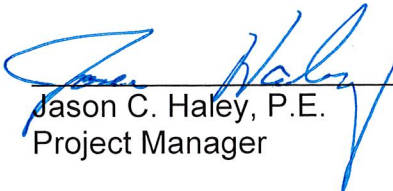
BID DATE: JUNE 23, 2020 – 2 P.M.

The Plans, Specifications and Contract Documents for the above referenced project are hereby modified as follows:

1. Clarification and Revision to Lighting:
The Lighting for the fields shall be based on a minimum design footcandle of 30 with 88 lighting points for each field. The attached exhibit (3 pages) shall be utilized and replace the previous exhibit in the specifications.
2. Sheet 10.1 is revised considering the panel schedule with a 400-Amp Main Panel as the kW load is reduced. (Sheet 10.1 included with this Addendum 1).
3. The contractor will be responsible to submit a revised feeder schedule with voltage drop calculations based on the selected lighting system with the bid proposal.

ADDENDUM NO. 1 ISSUED BY:

A.L. FRANKS ENGINEERING



Jason C. Haley, P.E.
Project Manager



DASHED LINE = FIXTURES TURNED OFF
TYPICAL OF BOTH FIELDS

Parking Lot
119 points at z=3, sp 20ft by 20ft
HORIZONTAL FOOTCANDLES
Average 3
Maximum 16
Minimum 0
Avg: Min N/A
Max: Min N/A
Coef Var 1.09
UnifGrad N/A

330' x 240' Soccer Field 1
88 points at z=3, sp 30ft by 30ft
HORIZONTAL FOOTCANDLES
Average 33
Maximum 36
Minimum 30
Avg: Min 1.09
Max: Min 1.20
Coef Var 0.06
UnifGrad 1.20

Pole	x-loc	y-loc	height	Elite N	Elite M	Elite W	Elite EW	Egress	Total	kw
S1	-145	-90	70ft	1	5	1	1		8	7.7
S2	-145	90	70ft	1	5	1	1		8	7.7
S3	145	90	70ft	2	10	2	2		8-8	15.5
S4	145	-90	70ft	2	10	2	2		8-8	15.5
S5	435	-90	70ft	1	5	1	1		8	7.7
S6	435	90	70ft	1	5	1	1		8	7.7
other								2	2	1.0
Total				8	40	8	8	2	66	62.9

Elite EW
GeoSport Elite LED 1000W
Light Loss Factor = 0.950
Watts per luminaire = 970
Number luminaires used = 8
kw these luminaires = 7.8

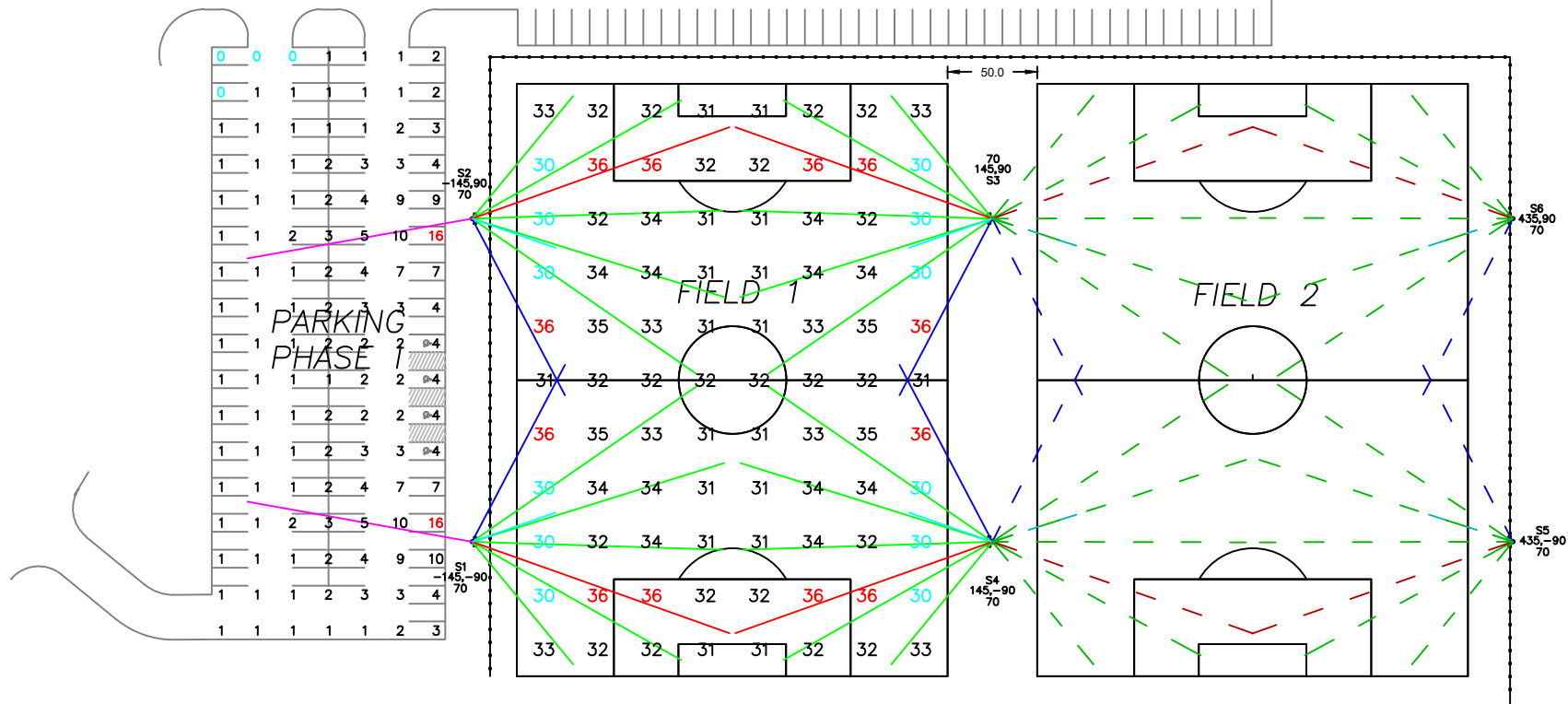
Egress
GeoSport Elite LED 500W
Light Loss Factor = 0.950
Watts per luminaire = 522
Number luminaires used = 2
kw these luminaires = 1.0

Elite M
GeoSport Elite LED 1000W
Light Loss Factor = 0.950
Watts per luminaire = 965
Number luminaires used = 40
kw these luminaires = 38.6

Elite W
GeoSport Elite LED 1000W
Light Loss Factor = 0.950
Watts per luminaire = 976
Number luminaires used = 8
kw these luminaires = 7.8

Elite N
GeoSport Elite LED 1000W
Light Loss Factor = 0.950
Watts per luminaire = 957
Number luminaires used = 8
kw these luminaires = 7.7

500W PARKING LOT FIXTURES MOUNTED 30' ABG



UNION COUNTY SPORTS COMPLEX, EL DORADO, AR

Revision 1 03/23/20 Drawing 1 of 3 877-663-5968
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DASHED LINE = FIXTURES TURNED OFF
TYPICAL OF BOTH FIELDS

160' x 120' Top Half Soccer Field 1
48 points at z=3, sp 30ft by 30ft
HORIZONTAL FOOTCANDLES

Average	27
Maximum	35
Minimum	16
Avg: Min	1.69
Max: Min	2.19
Coef Var	0.21
UnifGrad	1.81

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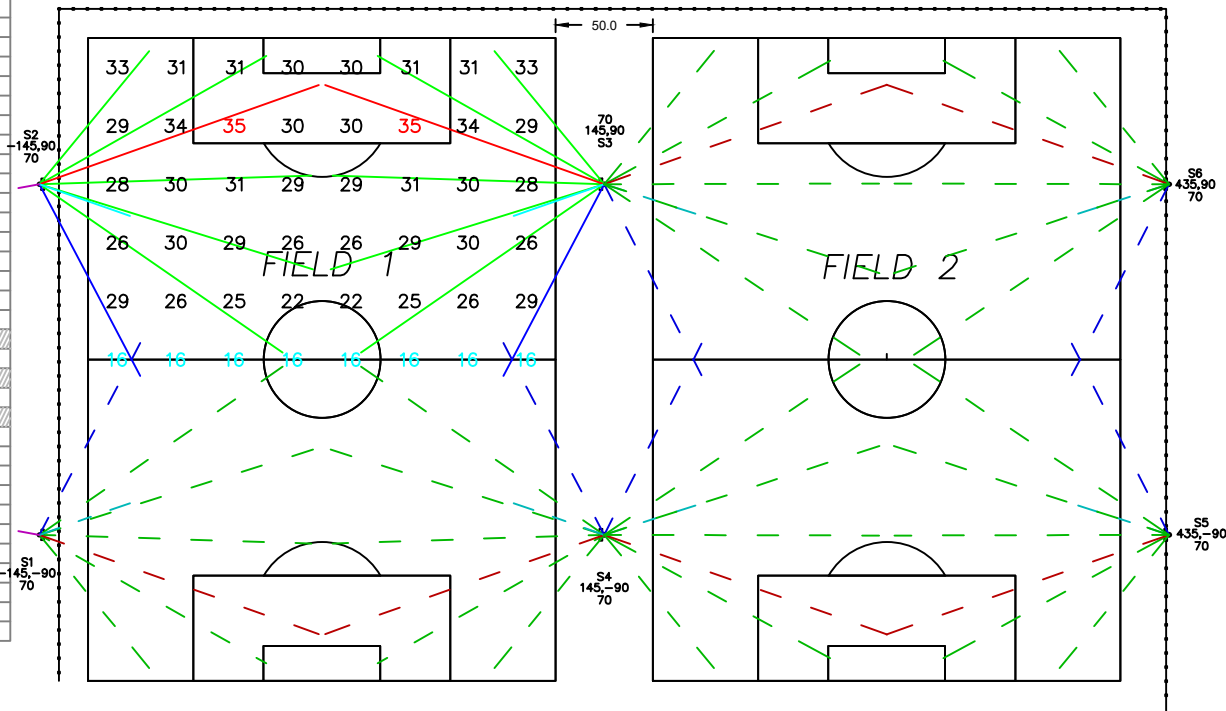
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PARKING
PHASE I



UNION COUNTY SPORTS COMPLEX, EL DORADO, AR

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DASHED LINE = FIXTURES TURNED OFF
TYPICAL OF BOTH FIELDS

165' x 120' Bottom Half Soccer Field 1
48 points at z=3, sp 30ft by 30ft
HORIZONTAL FOOTCANDLES
Average 27
Maximum 35
Minimum 16
Avg: Min 1.69
Max: Min 2.19
Coef Var 0.21
UnifGrad 1.81

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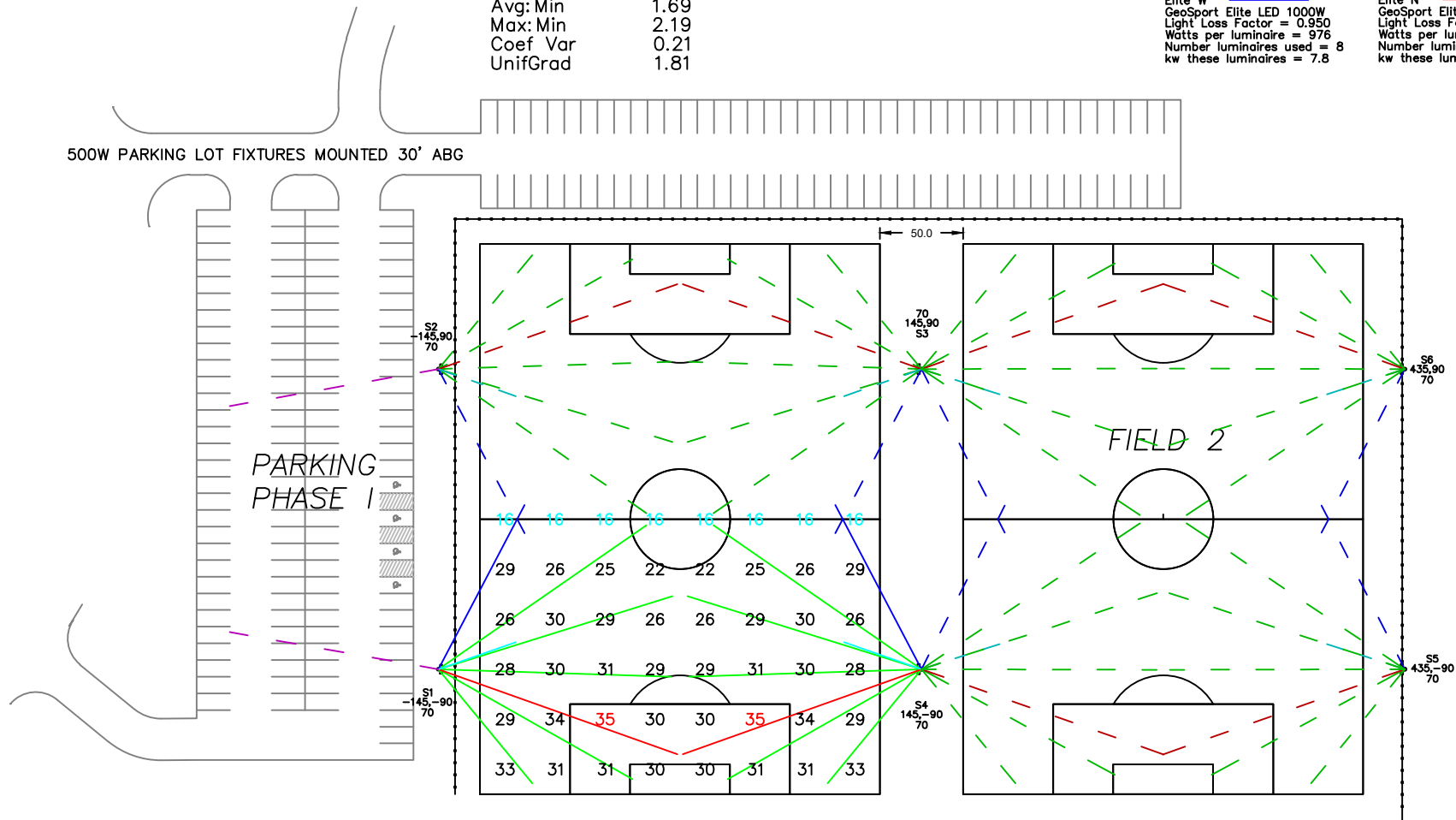
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UNION COUNTY SPORTS COMPLEX, EL DORADO, AR

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PANELBOARD SCHEDULE												
PANEL: H1			MAINS: 400A MLO				SERVICE: 120/240V, 1PH, 3W					
TYPE: NQ			A.I.C.: XXX AMPERES				MOUNTED: SURFACE					
DESCRIPTION	VOLT-AMP LOAD		CIRCUIT BREAKERS						VOLT-AMP LOAD		DESCRIPTION	
	PHASE A	PHASE C	TRIP	POLE	CIR	CIR	TRIP	POLE	PHASE A	PHASE C		
S1	7700		80	1	2	80	2		7700		S2	
↓		7700		2	3	4	2			7700	↓	
S3	15500		150	5	6	150	2		15500		S4	
↓		15500		2	7	8	2			15500	↓	
S5	7700		80	9	10	80	2		7700		S6	
↓		7700		2	11	12	2			7700	↓	
BOOSTER PUMP	2760		20	13	14	20	1		2160		RECEPTACLE	
↓		2760		2	15	16	20	1		2160	↓	
RECEPTACLE	2160		20	1	17	18					RECEPTACLE	
RECEPTACLE		2160	20	1	19	20						
				21	22							
				23	24							
				25	26							
				27	28							
				29	30							
				31	32							
				33	34							
				35	36							
				37	38							
				39	40							
				41	42							
SUB TOTAL											SUB TOTAL	
CONNECTED LOAD PHASE A:			68880		PANELBOARD NOTES: 1. PANEL SHALL BE NEMA 3R RATED.							
CONNECTED LOAD PHASE C:			68880									
TOTAL CONNECTED LOAD :			287									

FEEDER SCHEDULE:

- 1
- 2 RUNS: 2 - 3" C. WITH PULL STRING

2

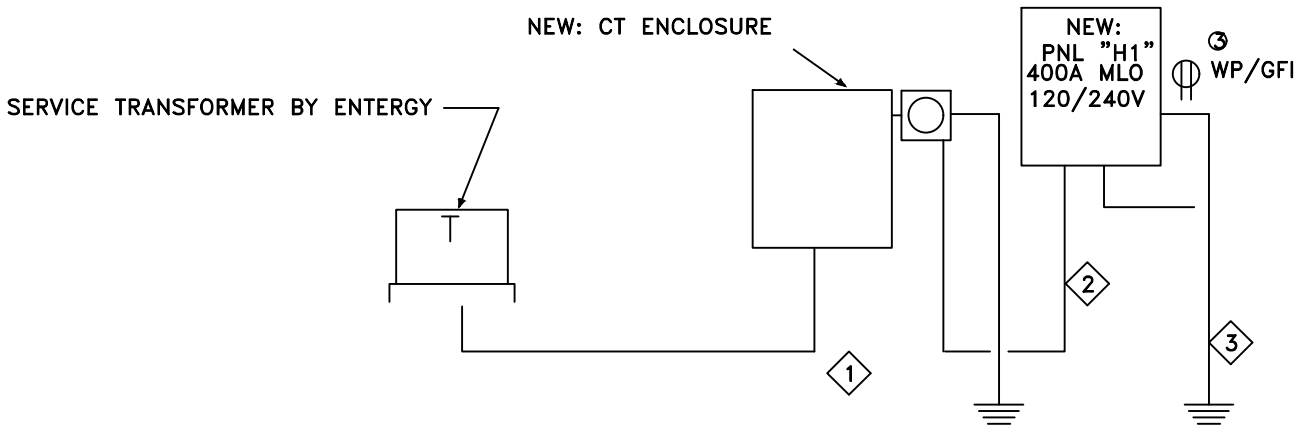
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RISER NOTES:

- 1
- OBTAIN LIGHTING CONTROL PANEL AND INSTALL WITH NEW LIGHTING CIRCUITS ADJACENT TO LOAD CENTER.

2

3



ELECTRICAL RISER DIAGRAM

FINAL FOR CONSTRUCTION

6/18/20	LOAD REVISION PER LIGHTING	
Date	Revision	By

Designed KAB
Checked JCH
Drawn PBE
Approved ALF



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CITY OF EL DORADO
PUBLIC WORKS DEPT.
PH: 870-863-4244

ELECTRICAL SERVICE DETAIL
UNION COUNTY RECREATION COMPLEX
EL DORADO, ARKANSAS



Job No.: ED-02-20
Scale: 1"=50'
Date: MAY 2020
Sheet 10.1