

Lighting Narrative

The lighting designs provided are based on IESNA Recommended Practices which are accepted as the standard for North America. These standards dictate the light levels shown in our designs as well as the uniformity of light, which are required for safety of the players on the field as well as the cars in the parking lot. Our professional lighting engineers have designed 1000's of sports complexes and used their extensive experience to create the best design for the players and fans, while at the same time reducing the amount of undesired spill and glare.

Sports Lights – The Techline Sports Lighting LED system utilizes their latest TSL800 fixture to produce the safest and best lit fields anywhere. The combination of Techline's superior product, lensing, beam patterns, and design will minimize unwanted spill off the property. We will be using their Extended Visors also with 70-80' tall light poles to further reduce glare and spill light.

Parking Lot – The parking lot must be lit to an average of 1FC (footcandle) for the safety of drivers and pedestrians at the site. The use of 25-30' tall light poles with LED light fixtures specifically designed to spread light to the correct areas without being tilted (they will point straight down) is how we are able to achieve safe light levels in the parking lots and driveway without light traveling past the trees/vegetation separating the property from the condos on the other side of the lake.

I'm a local lighting professional based in St. Charles County (just a few miles from Cottleville) and have been in lighting for over 20 years. I'm happy to answer any questions or concerns.

Sincerely,

Brian Brader

GM

Simply Bright Ideas, Inc.

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mobile: (314) 922-3766

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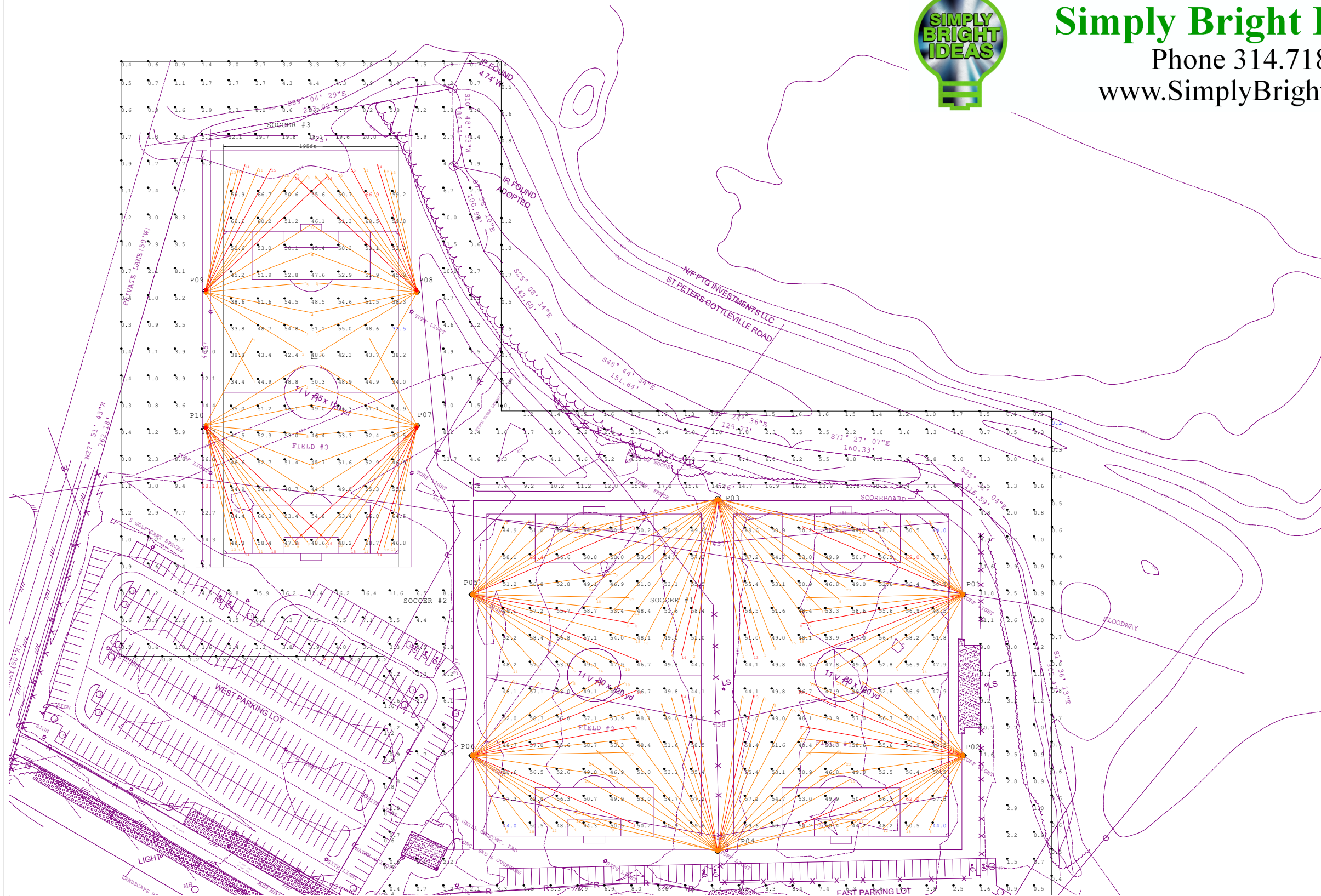
Simply Bright Ideas, Inc.

Phone 314.718.1688

www.SimplyBrightIdeas.com



Vetta Woodlands
Cottleville, MO
SOCCER - 50 FC
25-2470-SC-C.AGI



Calculation Summary										
Scene: DEFAULT										
Label	Area Size	Units	Avg	Max	Min	Max/Min	# Pts	PtSpclr	PtSpctb	CV
SOCCER #1	360' x 240'	Fc	52.00	62.0	44.0	1.41	96	30	30	0.08
SOCCER #2	360' x 240'	Fc	52.11	62.4	44.0	1.42	96	30	30	0.08
SOCCER #3	465' x 225'	Fc	50.33	66.9	33.5	2.00	98	30	30	0.15
SPILL		Fc	4.76	28.1	0.2	140.50	338	30	30	N.A.
SPILL_100 FT		Fc	1.09	3.5	0.2	17.50	135	30	N.A.	N.A.

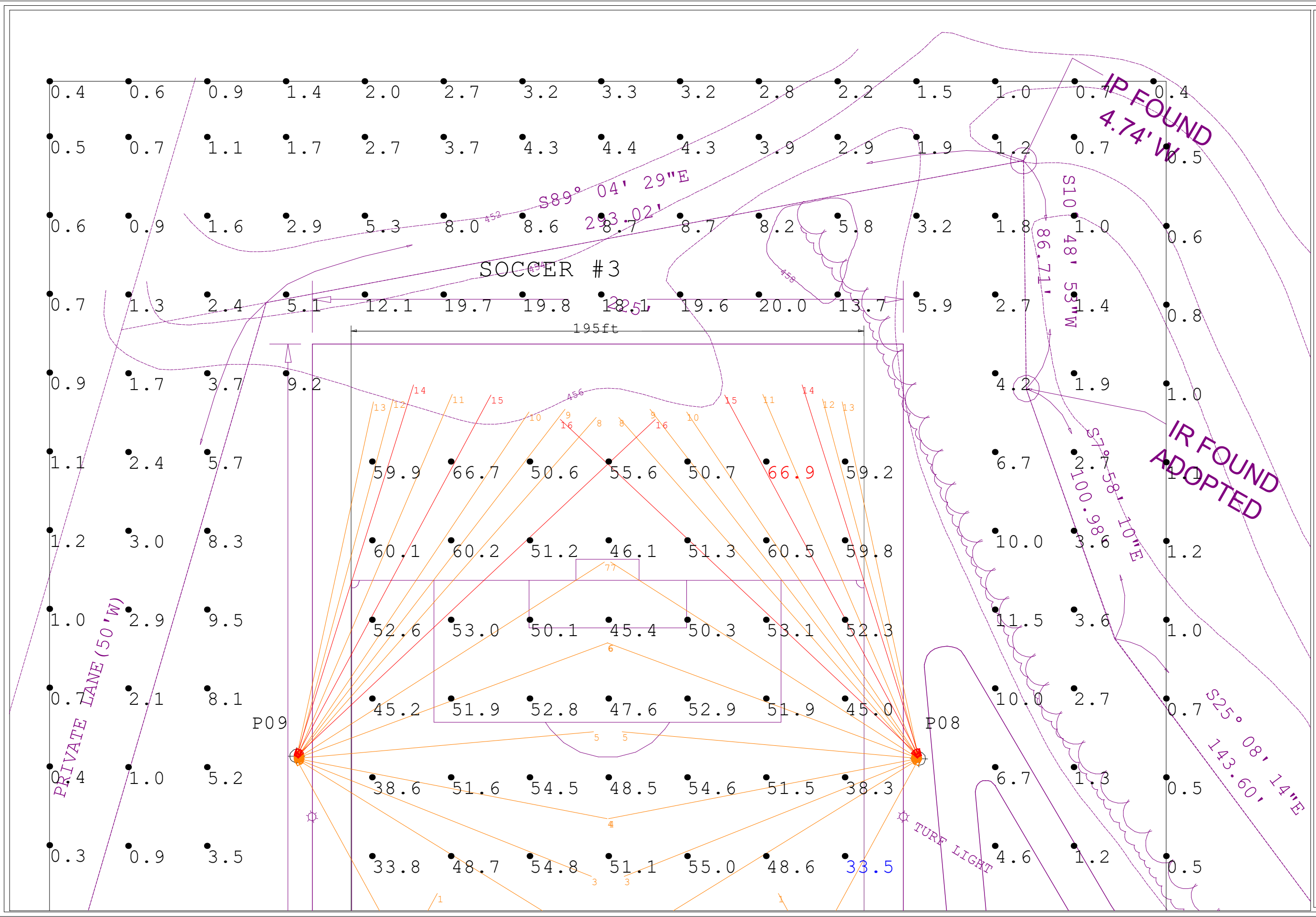
Pole Wattage Summary	
Scene: DEFAULT	
Label	Total Watts
P01	14400
P02	14400
P03	19200
P04	19200
P05	14400
P06	14400
P07	12800
P08	12800
P09	12800
P10	12800
TOTAL	147200

Pole Summary		
Scene: DEFAULT		
Poles	# Lums	MH
P01	18	80'
P02	18	80'
P03	24	80'
P04	24	80'
P05	18	80'
P06	18	80'
P07	16	80'
P08	16	80'
P09	16	80'
P10	16	80'

Luminaire Schedule					
Scene: DEFAULT					
Symbol	Qty	Label	LLF	Lum. Watts	Arrangement
	28	TSLN-EV-NLV	0.950	800	Single
	156	TSLM-EV-NLV	0.950	800	Single

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2. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.
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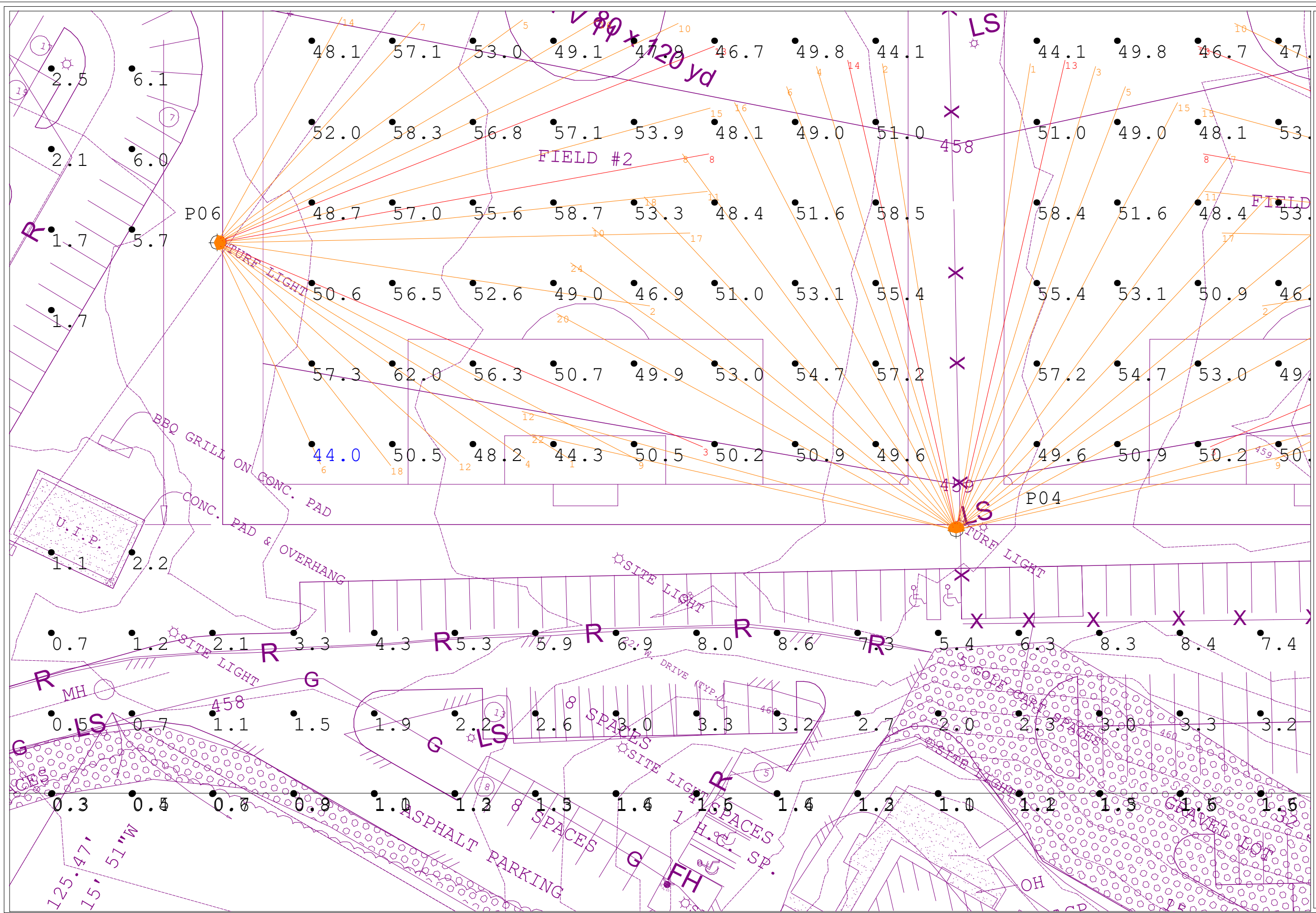
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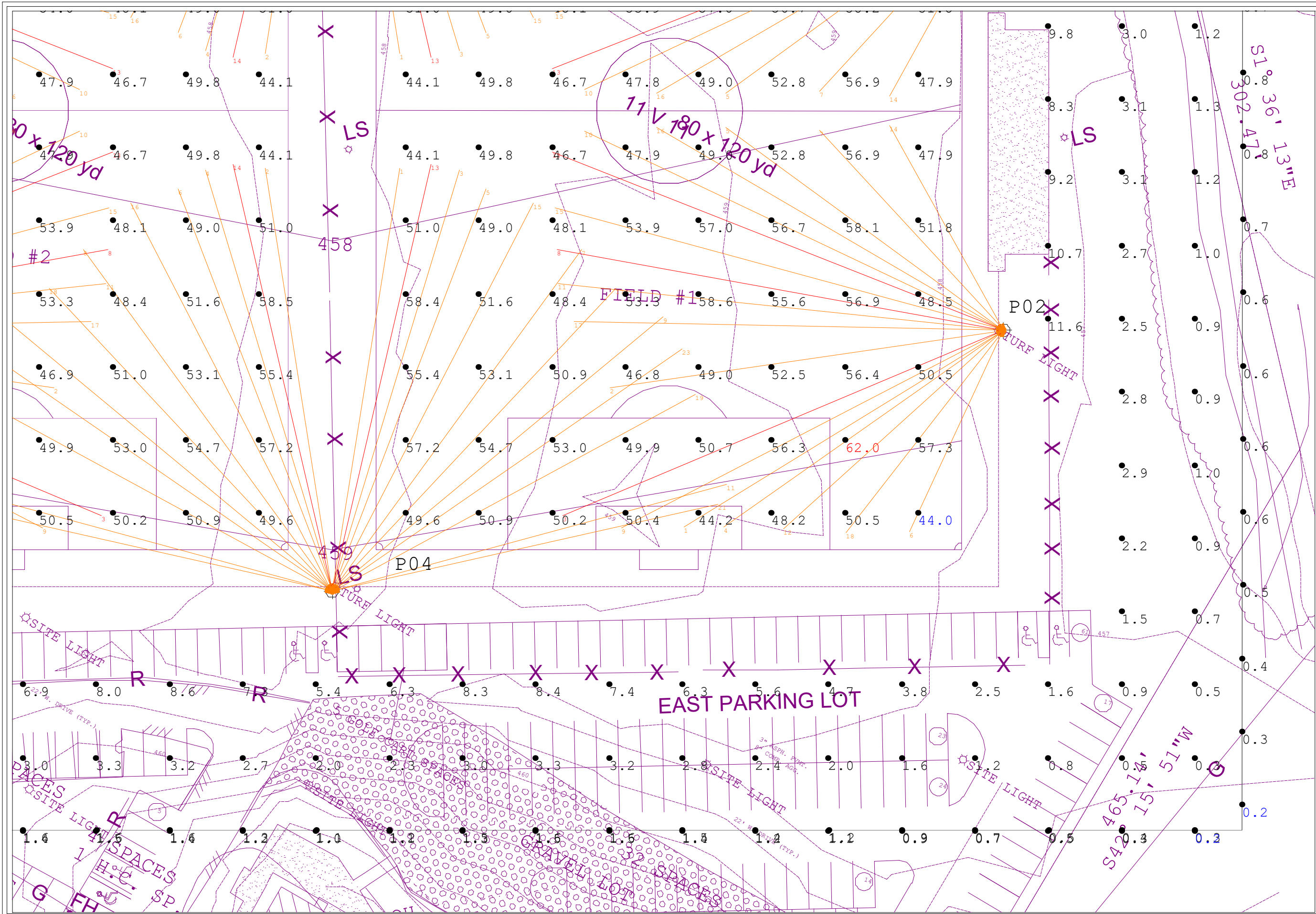
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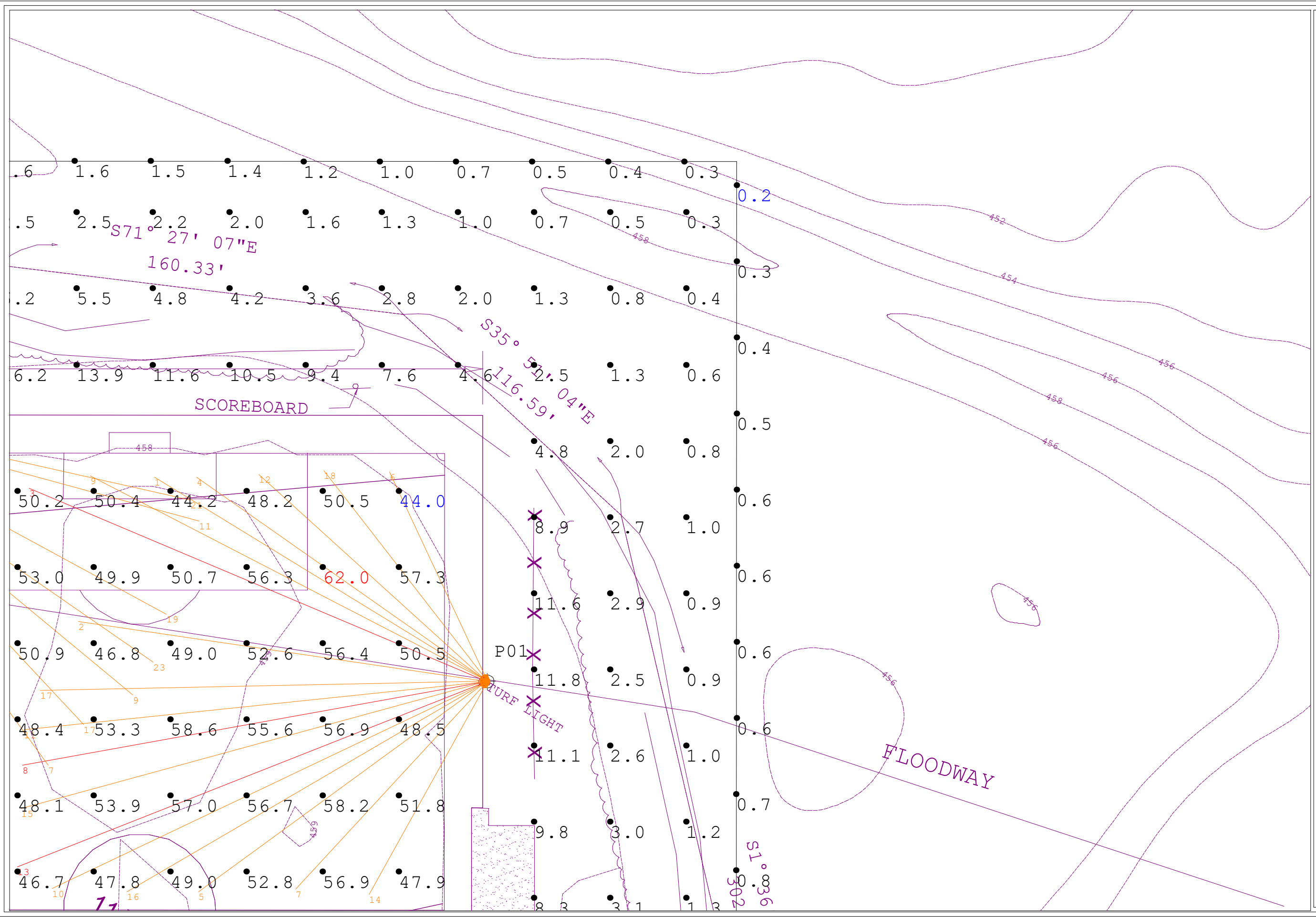
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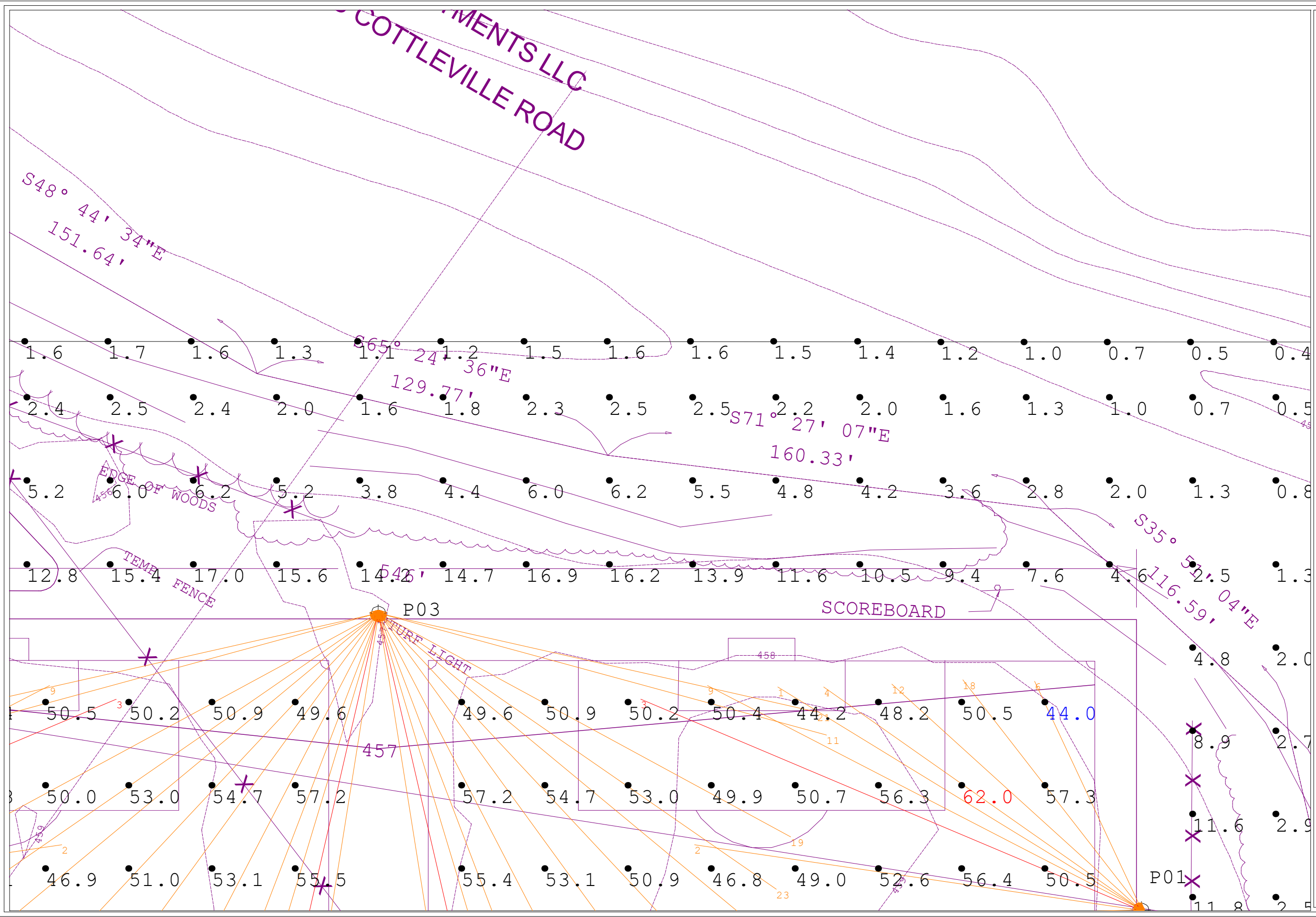
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