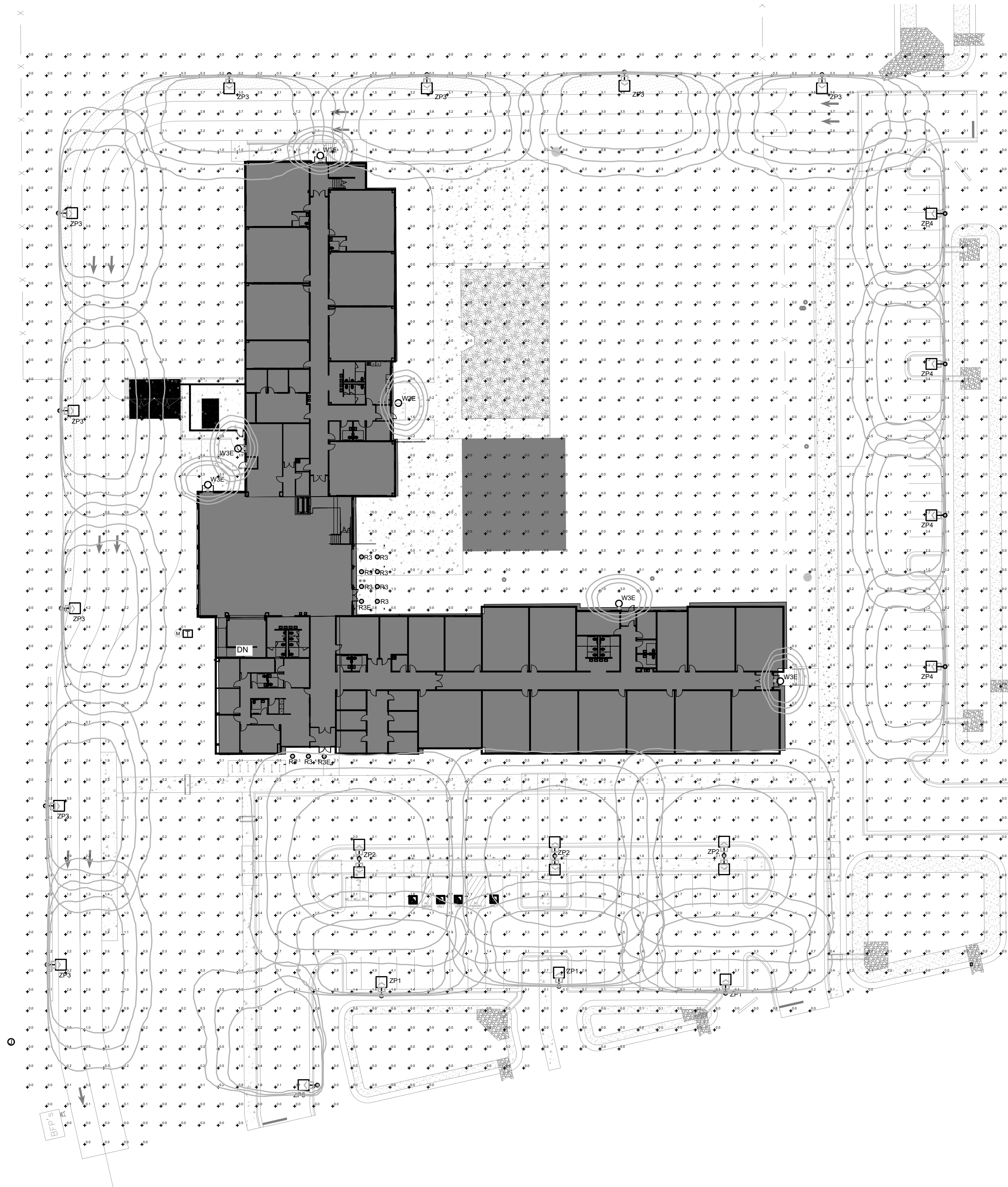
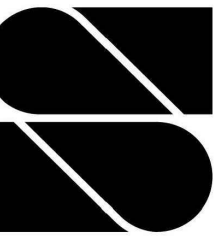




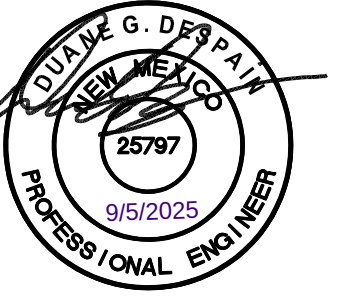
NOTES:

1. ALL CALCULATION POINTS SET AT GRADE LEVEL 0'.
2. ALL "W3E, R3, AND "R3E" MOUNTED AT 9' ABOVE GRADE.
3. ALL "ZP4" MOUNTED AT 16' ABOVE GRADE.
4. ALL "ZP1, ZP2, AND ZP3" MOUNTED AT 18' ABOVE GRADE.



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ALBUQUERQUE COLLEGIATE
CHARTER SCHOOL - PHASE 1

90TH ST. AND SUNSET GARDENS RD SW
ALBUQUERQUE, NM 87121

REVISION DATE

DATE 1/31/25

PROJECT NO 2424

ELECTRICAL SITE
PLAN - DFT

SHEET NO.

ES-DFT-1



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Table 5-8-2: Lighting Designations by Zone District																			
NDZ = Natural Dark Zone			Lz0 = Light Zone 0			Lz1 = Light Zone 1			Lz2 = Light Zone 2			Lz3 = Light Zone 3							
Zone District		Residential						Mixed-Use				Non-residential							
ANSI/IES																NR-PO			
Lighting Designation	R-A	R-1	R-T	R-MC	R-ML	R-MH	MX-T	MX-L	MX-M	MX-H	NR-C	NR-BP	NR-LM	NR-GW		A	B	C	D
NDZ																	X ^[1]	X ^[1]	
Lz0	X ^[3]	X ^[3]	X ^[3]	X ^[3]	X ^[3]		X ^[3]		X ^[4]	X ^[4]						X ^[2]	X ^[2]	X ^[2]	X ^[2]
Lz1	X	X	X	X	X	X ^{[3], [4]}	X	X ^[4]	X ^[4]	X ^[4]	X	X	X	X		X ^[5]	X ^[6]		X
Lz2						X			X ^[5]	X ^[5]				X ^[5]		X ^[6]	X ^[6]		
Lz3									X ^[5]	X ^[5]					X ^[7]				

Notes:
[1] NDZ is required in NR-PO zones for open space where no anthropogenic light is allowed.
[2] Lz0 is required in NR-PO zones for open space where some anthropogenic light is needed in hours of darkness, parks with minimal amenities, and parks or open space adjacent to low-density residential uses.
[3] A lower lighting zone is required on subject properties with sensitive lands.
[4] A lower lighting zone is required on subject properties adjacent to low-density residential uses.
[5] In UC-MS-PT-MT areas, a higher lighting zone is allowed, unless the subject property is adjacent to any Residential zone district.
[6] Lz2 is allowed in parks with high pedestrian activity and many amenities.
[7] Lz3 is allowed in parks containing nighttime stadiums or entertainment activities.

Table 5-8-1: Maximum Height for Light Poles	
Location, Development Type, or Type of Light	Maximum Height (ft.)
Bollard and pathway luminaires	4 ft.
Residential zone districts and HPO zones	12 ft.
Within 100 feet of Residential zone districts	16 ft.
Mixed-use development or allowable uses in the Offices and Services Sub-category of Table 4-2-1	20 ft.
Allowable uses in Table 4-2-1 in the following categories: • Civic and Institutional Uses • Commercial Uses other than the Offices and Services Sub-category • Industrial Uses	25 ft.

Table 5-8-3: Light Trespass Limits by Lighting Designation					
	NDZ	Lz0	Lz1	Lz2	Lz3
Foot Candles (fc)	0.02	0.05	0.1	0.3	0.8
Lux (lx)	0.2	0.5	1.0	3.0	8
Luminance (cd/m²)	0	1	20	40	80

Schedule																		
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot							
	R3		9	LDN6 30/05 LO6AR LSS	6IN LDN, 3000K, 500LM, CLEAR, SEMI-SPECULAR REFLECTOR, CR180	NO B-U-G RATING, UGR = 0 SEE CUTSHEET TOTAL LUMENS FROM R3 = 4689	1	521	1	5.83		Max: 541cd						
	R3E		2	LDN6 30/05 LO6AR LSS	6IN LDN, 3000K, 500LM, CLEAR, SEMI-SPECULAR REFLECTOR, CR180	NO B-U-G RATING, UGR = 0 SEE CUTSHEET TOTAL LUMENS FROM R3E = 1042	1	521	1	5.83		Max: 541cd						
	W3E		6	WDGE1 LED P1 30K 80CRI VW	WDGE1 LED WITH P1 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC	B0-U0-G0 TOTAL LUMENS FROM W3E = 6978	1	1163	1	10.0002		Max: 877cd						
	ZP1		3	DSX0 LED P4 30K 70CRI BLC3	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 3 Extreme Backlight Control	B0-U0-G2 TOTAL LUMENS FROM ZP1 = 23,304	1	7768	1	93.04		Max: 7977cd						
	ZP2		3	DSX0 LED P2 30K 70CRI T5M	D-Series Size 0 Area Luminaire P2 Performance Package 3000K CCT 70 CRI Type 5 Medium	B3-U0-G2 TOTAL LUMENS FROM ZP2 = 18,576	1	6192	1	90.28		Max: 3397cd						
	ZP3		9	DSX0 LED P4 30K 70CRI BLC3	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 3 Extreme Backlight Control	B0-U0-G2 TOTAL LUMENS FROM ZP3 = 69,912	1	7768	1	93.04		Max: 7977cd						
	ZP4		4	DSX0 LED P3 30K 70CRI BLC3	D-Series Size 0 Area Luminaire P3 Performance Package 3000K CCT 70 CRI Type 3 Extreme Backlight Control	B0-U0-G2 TOTAL LUMENS FROM ZP4 = 24,556	1	6139	1	66.95		Max: 6304cd						
	ZP5		1	DSX0 LED P4 30K 70CRI LCCO	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Left Corner Cutoff Extreme Backlight Control	B1-U0-G2 TOTAL LUMENS FROM ZP1 = 7838	1	7838	1	93.04		Max: 12135cd						

TOTAL SITE LUMENS ALLOWED NONRESIDENTIAL DEVELOPMENT			
LIGHTING ZONE		Lz1	
SITE AREA	AREA (SF)	ALLOWED LUMENS/SF	ALLOWED LUMENS
SIDEWALKS	21,138	1.25	26423
PAVING	66,445	1.25	83056
LANDSCAPED	137,790	1	137790
BUILDING	38,131	0	0
TOTAL ALLOWED LUMENS			247269
TOTAL DESIGNED LUMENS			165895
REMAINING ALLOWED LUMENS			81374
REFERENCE TABLES-8-5 FROM 2025 IDO UPDATE			

