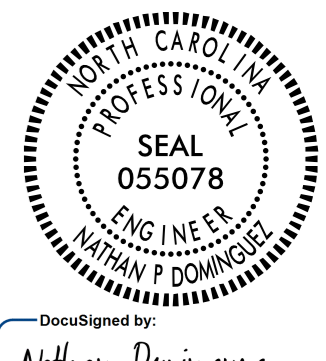
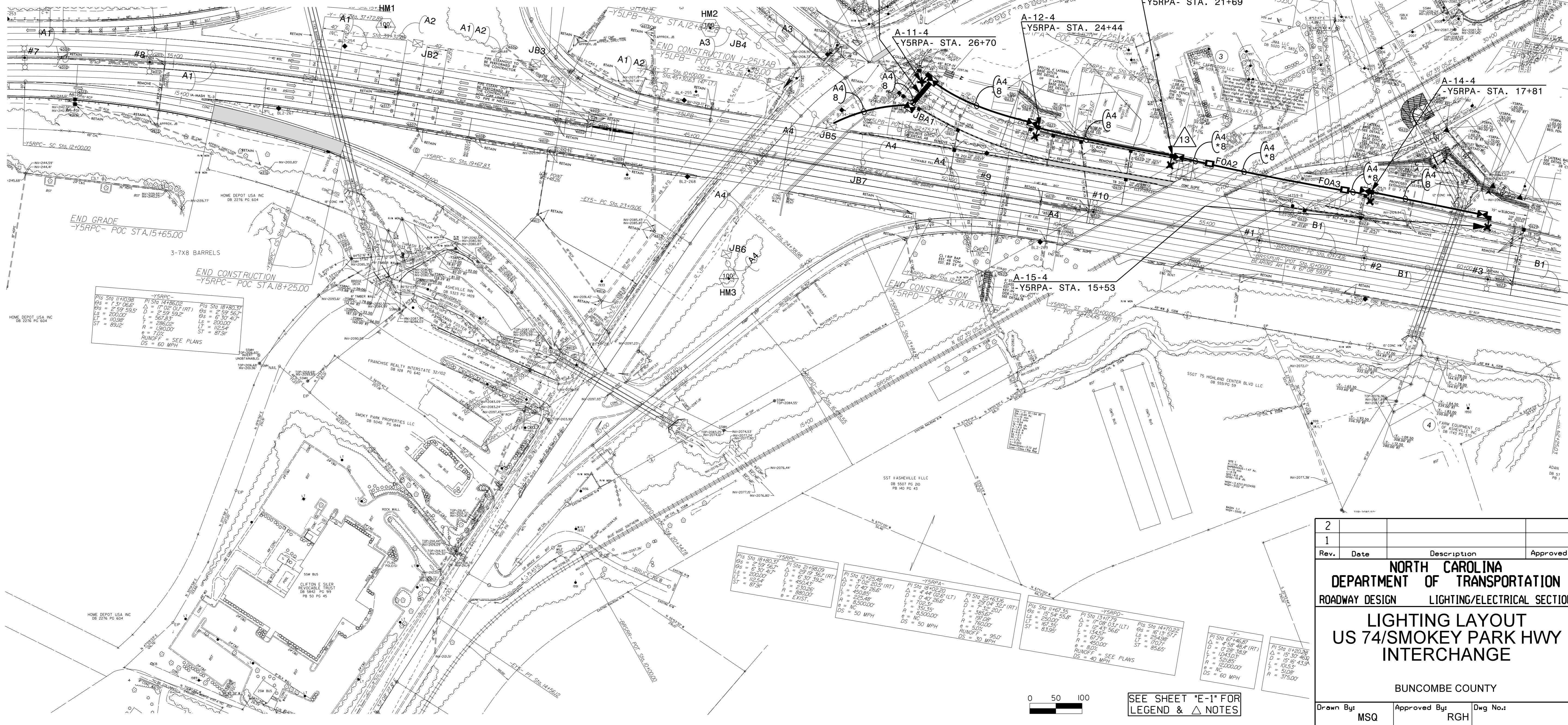


# USE FOR LIGHTING CONSTRUCTION ONLY



LOAD SCHEDULE AT INTERSECTION NORTH OF BRIDGE, US 74/SMOKEY PARK HIGHWAY INTERCHANGE										
EXISTING						PROPOSED				
CONTROL SYSTEM "A"						CONTROL SYSTEM "A"				
1Ø, 3W, 240/480 VAC	45' TWIN ARMS 2 @ 120W LED LUMINAIRES		100' HIGH MAST W/ 6 475W LED LUMINAIRES		BREAKER SIZE (AMPS)	1Ø, 3W, 240/480 VAC	45' TWIN ARMS 2 @ 120W LED LUMINAIRES		100' HIGH MAST W/ 6 475W LED LUMINAIRES	
CIRCUIT ID			AMPS @ 480V	KW LOAD		45' SINGLE ARMS 1 @ 150W MAX. LED LUMINAIRES			AMPS @ 480V	KW LOAD
A1	1, 2, 3, 4, 5, 6, 7, 8		4.0	1.9	15		1, 2, 3, 4, 5, 6, 7, 8		4.0	1.9
A2			5.9	2.9	15				5.9	2.9
A3			5.9	2.9	15				5.9	2.9
A4	9, 10		6.9	3.3	20	A-11, A-12, A-13 A-14, A-15	9, 10		8.5	4.1
SPARE					20					
TOTAL	20 ON 10 POLES		22.7	11.0		5 ON 5 POLES	20 ON 10 POLES	18 ON 3 POLES	28.8	13.8

EXISTING LIGHTING INSTALLED AS HPS UNDER I-4401 (LET DATE 4/19/05).  
UPGRADED TO LED BY A BRADY/TRANE GUARANTEED ENERGY SAVINGS CONTRACT IN 2018/2019. NO CHANGES REQUIRED TO EXISTING BREAKERS.



2			
1			
Rev.	Date	Description	Approved
<b>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION</b> ROADWAY DESIGN      LIGHTING/ELECTRICAL SECTION <b>LIGHTING LAYOUT US 74/SMOKEY PARK HWY INTERCHANGE</b> BUNCOMBE COUNTY			
Drawn By: <b>MSQ</b>		Approved By: <b>RGH</b>	Dwg No.:

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