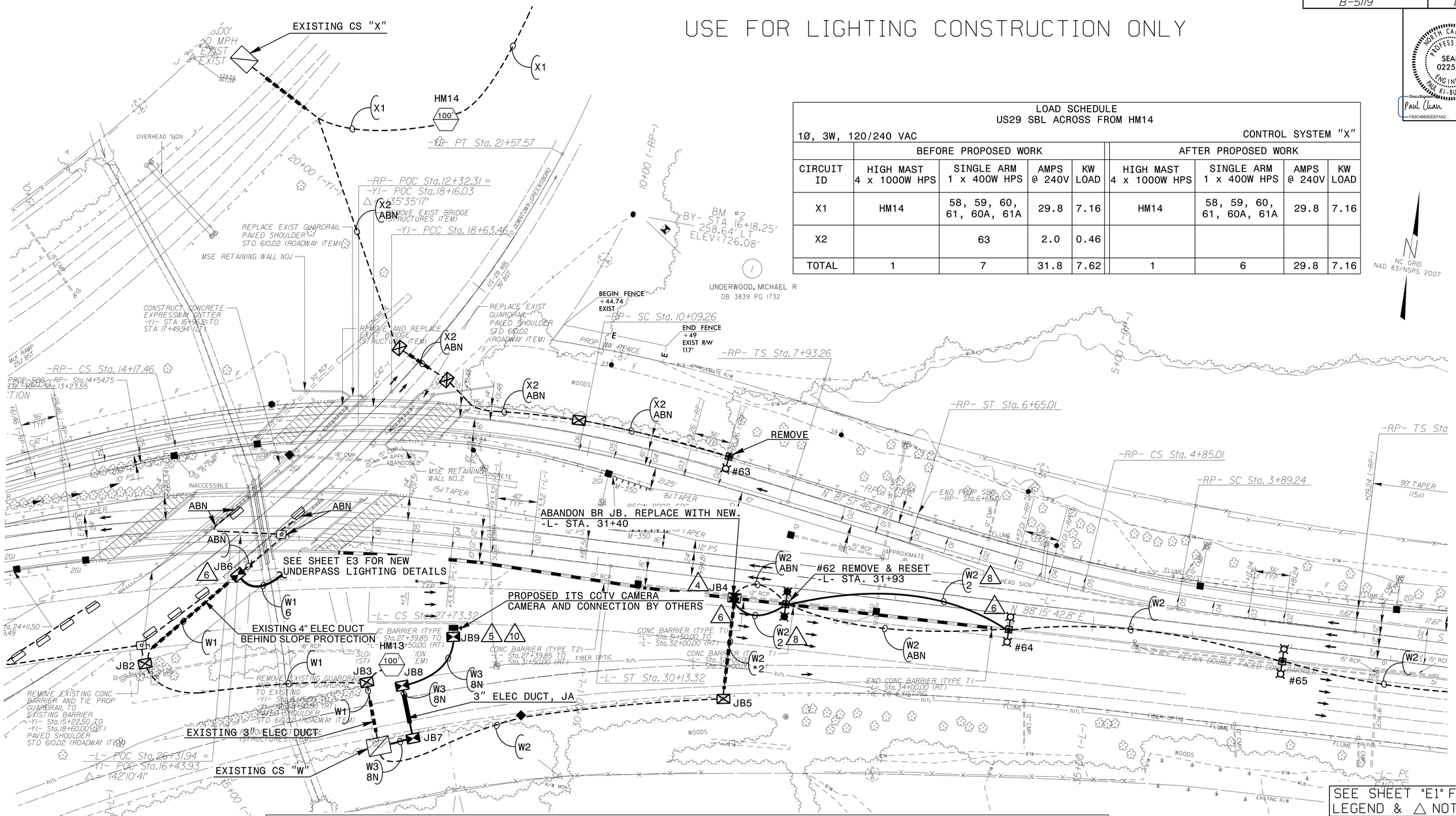
PROJECT REFERENCE NO.	SHEET NO.
B-5119	E2

USE FOR LIGHTING CONSTRUCTION ONLY

NORTH CAROLINA PROFESSIONAL SEAL 022582 ENGINEER PAUL KI-BUN CHAN

DocuSigned by: Paul Chan 10/20/2014
F83C4985EEEF4A2...



SEE SHEET "E1" FOR LEGEND & △ NOTES

LOAD SCHEDULE
US29 SBL ACROSS FROM HM14

1Ø, 3W, 120/240 VAC — CONTROL SYSTEM "X"

	BEFORE PROPOSED WORK				AFTER PROPOSED WORK			
CIRCUIT ID	HIGH MAST 4 x 1000W HPS	SINGLE ARM 1 x 400W HPS	AMPS @ 240V	KW LOAD	HIGH MAST 4 x 1000W HPS	SINGLE ARM 1 x 400W HPS	AMPS @ 240V	KW LOAD
X1	HM14	58, 59, 60, 61, 60A, 61A	29.8	7.16	HM14	58, 59, 60, 61, 60A, 61A	29.8	7.16
X2		63	2.0	0.46				
TOTAL	1	7	31.8	7.62	1	6	29.8	7.16

LOAD SCHEDULE
I-85 NLB ONRAMP

1Ø, 3W, 120/240 VAC — CONTROL SYSTEM "W"

	BEFORE PROPOSED WORK					AFTER PROPOSED WORK					
CIRCUIT ID	HIGH MAST 4 x 1000W HPS	TWIN ARM 2 x 400W HPS	UNDERPASS LUMINAIRES 1 x 100W HPS	AMPS @ 240V	KW LOAD	HIGH MAST 4 x 1000W HPS	TWIN ARM 2 x 400W HPS	UNDERPASS LUMINAIRES 1 x 100W HPS	CCTV CAMERA	AMPS @ 240V	KW LOAD
W1	HM13		7 @ UPL-1 2 @ UPL-2	23.96	5.75	HM13		7 @ UPL-1 7 @ UPL-2		23.96	5.75
W2		62, 64, 65, 66		15.33	3.68		62, 64, 65, 66			15.33	3.68
W3									NEAR HM13	4.0	0.96
TOTAL	1	4	9	39.29	9.43	1	4	14	1	43.29	10.39

Rev.	Date	Description	Approved
2			
1			

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN — LIGHTING/ELECTRICAL SECTION

LIGHTING LAYOUT

I-40/I-85 BUS / US70/29/421 INTERCHANGE

GUILFORD COUNTY

Drawn By:	Approved By:	Dwg No.:
RGH		

02/03/98

20-OCT-2014 09:50
R:\Lighting(Electrical)\Lighting Design\b5119_le_psh_e2.dgn
rghall AT AD258197