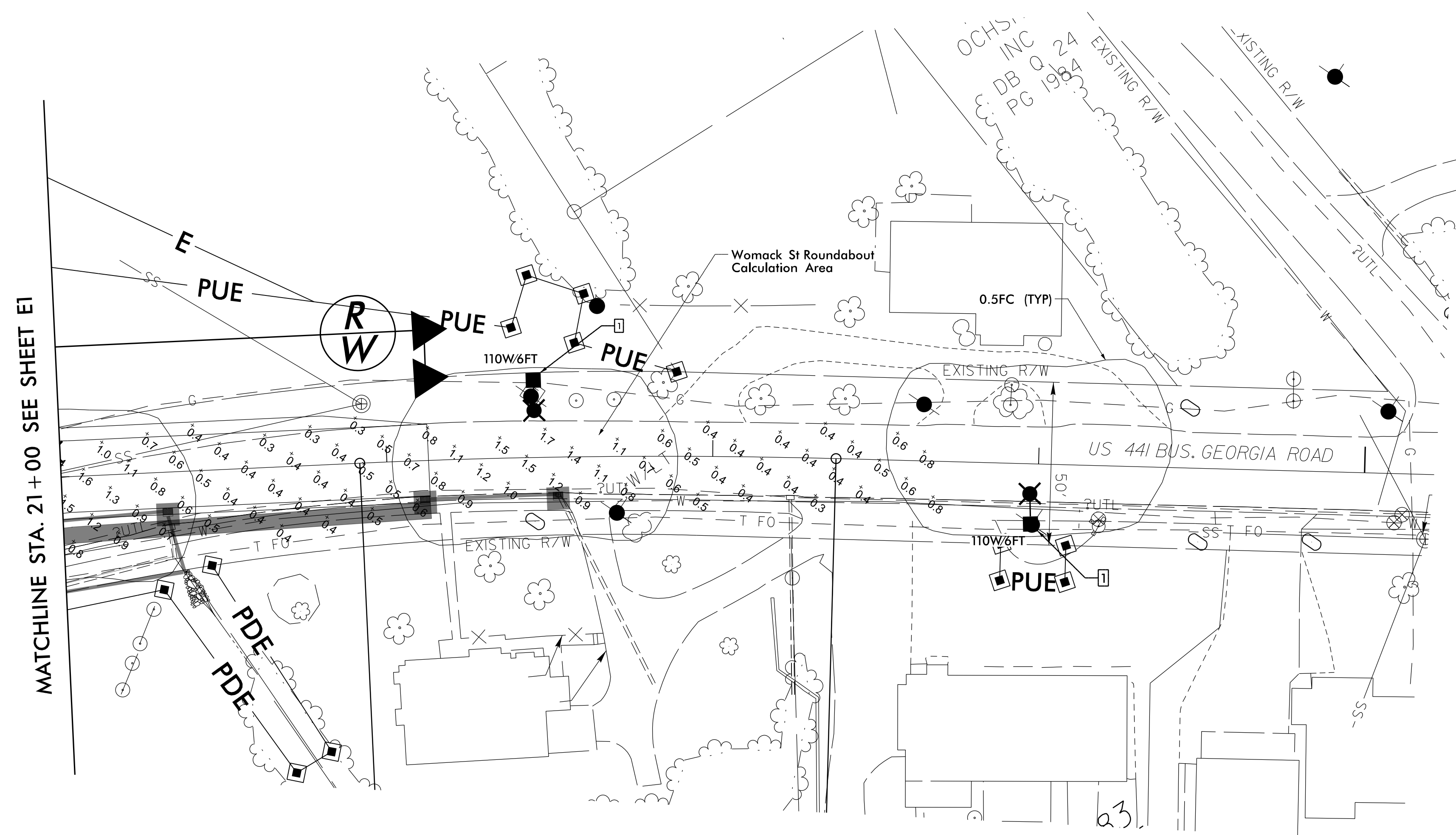
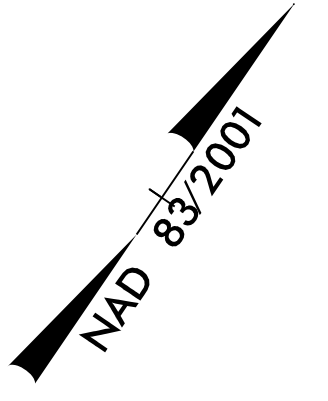


02/03/98

PROJECT REFERENCE NO. U-5604	SHEET NO. E3
Matt West 7/25/2018 0271A100708625	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



**SHEET NOTES:**

1 LUMINAIRE TO BE INSTALLED ON REPLACEMENT UTILITY POLE. SEE SHEET UO-2 FOR MORE INFORMATION.

**LEGEND:**

- PROPOSED ROADWAY FIXTURE (SEE LUMINAIRE SUMMARY)
- PROPOSED ELECTRICAL SERVICE (BY OTHERS)
- ▽ PROPOSED ELECTRICAL JUNCTION BOXES
- PROPOSED (2) 2" CONDUITS FOR FUTURE USE

Label	Calculation Type	Units	Target Avg	Avg	Max	Min	Target Avg/Min	Avg/Min
Georgia Rd South of Womack	Illuminance	Fc	0.7	0.9	1.7	0.3	4.0	3.0
Womack St	Illuminance	Fc	0.4	1.1	2.3	0.3	6.0	3.6
Georgia Rd North of Womack	Illuminance	Fc	0.7	0.8	2.4	0.3	4.0	2.7
Womack St Roundabout	Illuminance	Fc	1.4	1.5	2.3	0.6	3.0	2.6

Quantity	Symbol	Description	Luminaire Lumens	Total Light Loss Factor	Luminaire Watts	Arrangement	Arm Length
21	■	Proposed 110W LED Duke Roadway Fixture Mounted at 30ft on a 12ft Arm and a Direct Bury (Type A) Pole (unless otherwise noted)	9337	0.85	108	SINGLE	12
2	■	Proposed 150W LED Duke Roadway Fixture Mounted at 30ft on a 12ft Arm and a Direct Bury (Type A) Pole (unless otherwise noted)	12641	0.85	146	SINGLE	12
11	■	Proposed 220W LED Duke Roadway Fixture Mounted at 20ft on a 12ft Arm and a Direct Bury (Type A) Pole (unless otherwise noted)	18641	0.85	216	SINGLE	12
21	■	Proposed 110W LED Duke Roadway Fixture Mounted at 30ft on a 6ft Arm and a Direct Bury (Type A) Pole (unless otherwise noted)	9337	0.85	108	SINGLE	6
3	■	Proposed 150W LED Duke Roadway Fixture Mounted at 30ft on a 20ft Arm and a Direct Bury (Type A) Pole (unless otherwise noted)	12641	0.85	146	SINGLE	20
6	□	Existing 150W HPS Flat Glass Duke Roadway Fixture	10721	0.69	193	SINGLE	6

**GENERAL NOTES:**

1. CONTRACTOR TO INSTALL CONDUITS UNDER ROADWAYS AS SHOWN IN PLANS FOR FUTURE USE BY DUKE ENERGY.
2. DUKE ENERGY TO INSTALL ELECTRICAL SERVICE AND LIGHTING FIXTURES AT LOCATIONS SHOWN IN PLANS.
3. DUKE ENERGY TO DESIGN AND INSTALL LIGHTING BRANCH CIRCUITS TO PROPOSED LIGHTS.

SYSTEMS DOWN USE R/WAVE

2				
1				
Rev.	Date	Description	Approved	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DESIGN SERVICES LIGHTING/ELECTRICAL SECTION				
Drawn By:	Approved By:	Dwg No.:		