

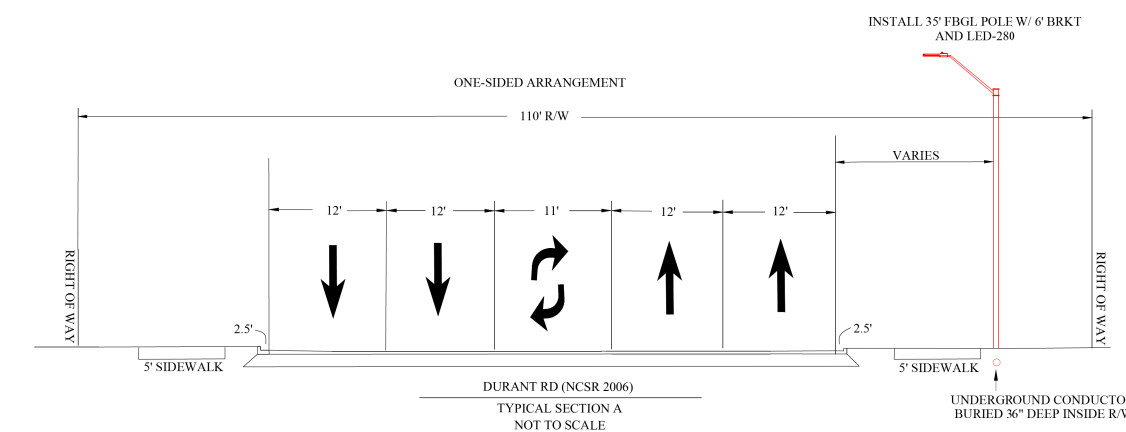
NOTES

- LIGHTING LEVELS ARE BASED ON A ONE-SIDED LIGHTING ARRANGEMENT FOR THE ROADWAY.
- ALL LUMINAIRES WILL BE:
150 LED ROADWAY TYPE III, 4000K, RECTANGLE PATTERN WITH PHOTOCELLS AND BALLAST, RATED: 12,920 LUMENS 240V
280 LED ROADWAY TYPE III, 4000K, RECTANGLE PATTERN WITH PHOTOCELLS AND BALLAST, RATED: 25,050 LUMENS 240V.
- ALL LIGHTING WITH UNDERGROUND SERVICE WILL BE INSTALLED ON NEW FIBERGLASS POLES LOCATED INSIDE OF ROAD R/W.
- MOUNTING HEIGHT FOR LIGHTING FIXTURES: 35' WITH 6' BRACKET ON NEW FIBERGLASS POLES.
- MINIMUM SETBACK OF NEW LIGHTING POLES IS 12' BACK OF TRAVEL LANE WHERE CURB AND GUTTER EXISTS. WHERE POLES ARE BEING INSTALLED BEHIND GUARDRAIL, MINIMUM SETBACK IS 3.5' BEHIND ROADSIDE FACE OF GUARDRAIL. SEE DRAWING FOR DETAILS.
- ALL POWER SOURCES WILL BE FROM DUKE ENERGY-PROGRESS FACILITIES.
- ALL CONSTRUCTION WILL COMPLY WITH NESC REQUIREMENTS AND DUKE ENERGY-PROGRESS SPECIFICATIONS. REFER TO THE DUKE ENERGY-PROGRESS DRAWINGS LISTED.
- THIS IS AN NCDOT ROADWAY. APPROVED NCDOT ENCROACHMENT MUST BE ON-SITE DURING CONSTRUCTION.

(NCSR 2006) DURANT RD

IES REQUIREMENTS	ACTUAL
COLLECTOR/INTERMEDIATE	
AVE. MAINT. FC :	0.8 MIN. 1.07 MAX.
AVE. / MIN. RATIO :	4:1 MAX. 3.52:1
VEILING LUM. RATIO :	0.4:1 MAX. 0.36:1

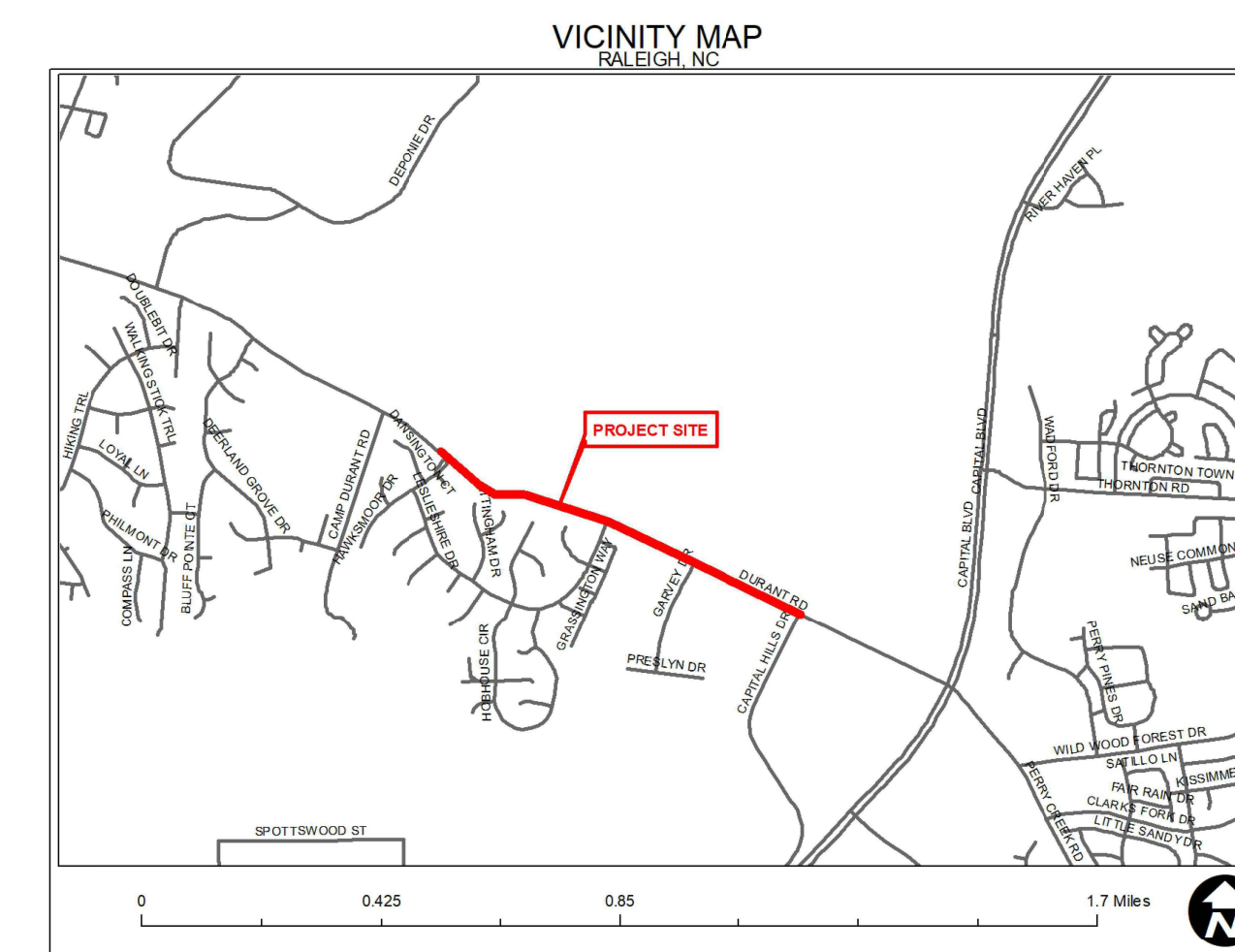
LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO
AVG DAILY TRAFFIC: 17,000
DESIGN SPEED LIMIT: 45 MPH
ACTUAL SPEED LIMIT: 45 MPH
AVG SPAN DISTANCE: 205 FEET



PROPOSED	EXISTING	REMOVE	ABANDON	LEGEND
				LED LUMINAIRE
				DECORATIVE LUMINAIRE
				FIBERGLASS/STEEL LIGHTING POLE
				WOOD POLE
				FIBERGLASS POLE
				HAWKSHOOD DR. (NEW/RELOCATED)
				UNDERGROUND CONDUIT (NEW/RELOCATED)
				PROPERTY CONDUIT (NEW/RELOCATED)
				PROPERTY CONDUIT (NEW/RELOCATED)
				RIGHT OF WAY
				PROPERTY LINE
				INSTALL CONDUIT
				EXISTING CONDUIT
				EXISTING SPAN GUY
				ABOVE GROUND PEDESTAL
				FLUSH MOUNTED 12" X 22" PEB
				PAD MOUNTED ENCLOSURE
				JUNCTION BOX
				TRANSFORMER (PAD MOUNTED)
				RECLUSER
				CABLE MARKER

FOR CONSTRUCTION DETAILS, REFER IN PARTICULAR TO THE FOLLOWING PE SPECIFICATION DRAWINGS

DRAWING NUMBER	DRAWING TITLE
30.09-101	GRAY FBGL POLE LIGHTING INSTALLATION
30.02-120	LIGHTING BRACKETS FOR STEEL & FBGL POLES
30.08-124	MOUNTING HEIGHT FOR LUMINAIRES
03.02-100	SECONDARIES AND SERVICES
30.02-120	LIGHTING BRACKETS FOR WOOD POLES



SAFETYFirst

PERSONAL ACCOUNTABILITY
ACTIVE GAMING
HAZARD RECOGNITION

Safety Reminders / Adverse Conditions

REMEMBER: Work zone area conditions may have changed for this job! Everyone is responsible for verifying the above safety information is correct prior to any work being performed each day.

WZS: REMEMBER "YOUR CIRCLE OF SAFETY"

WZS: SET PROPER WORK ZONE NEEDED

WZS: SET PROPER SIGNS, CONES, AND BARRICADES

WZS: REMEMBER WALK AROUNDS AND PRETRIP

LIGHTING DESIGN TOLERANCE

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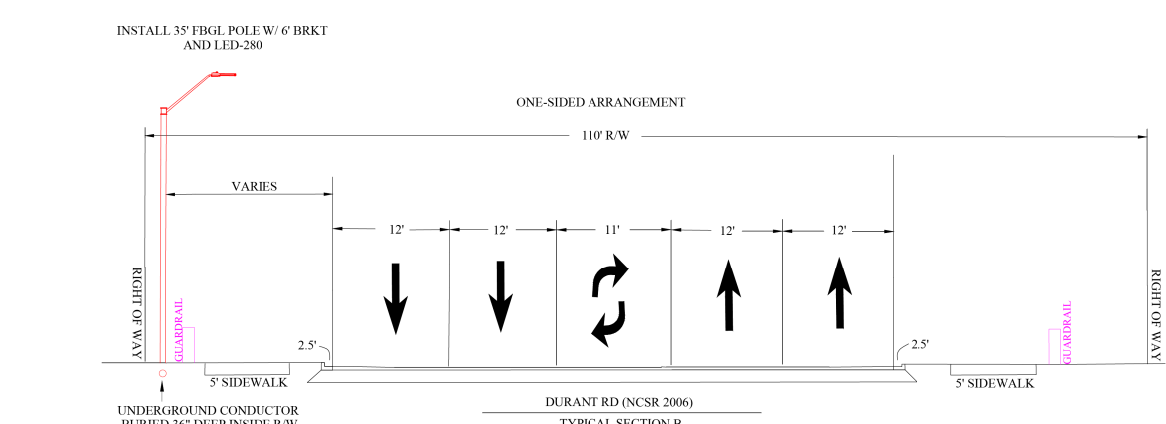
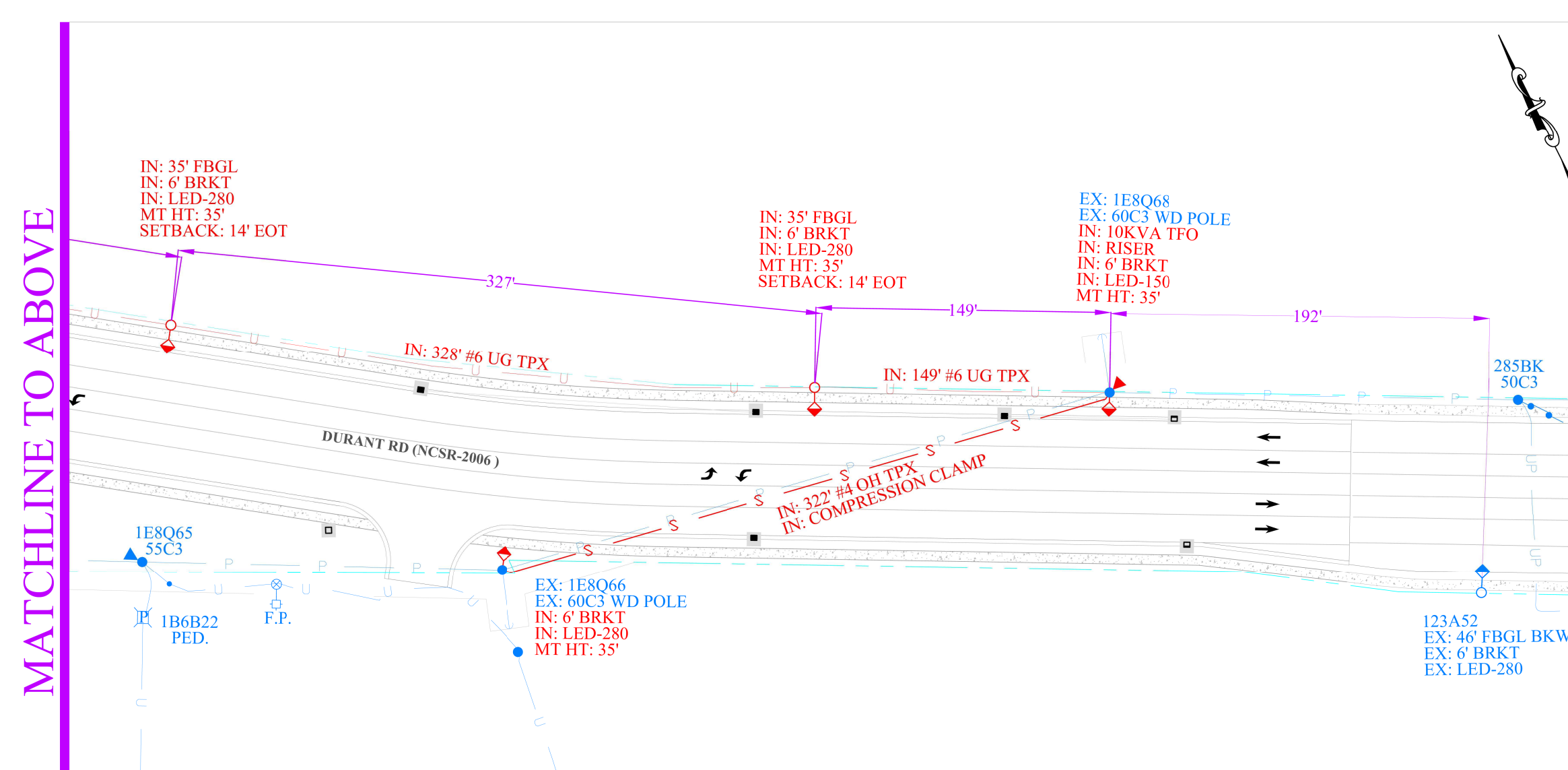
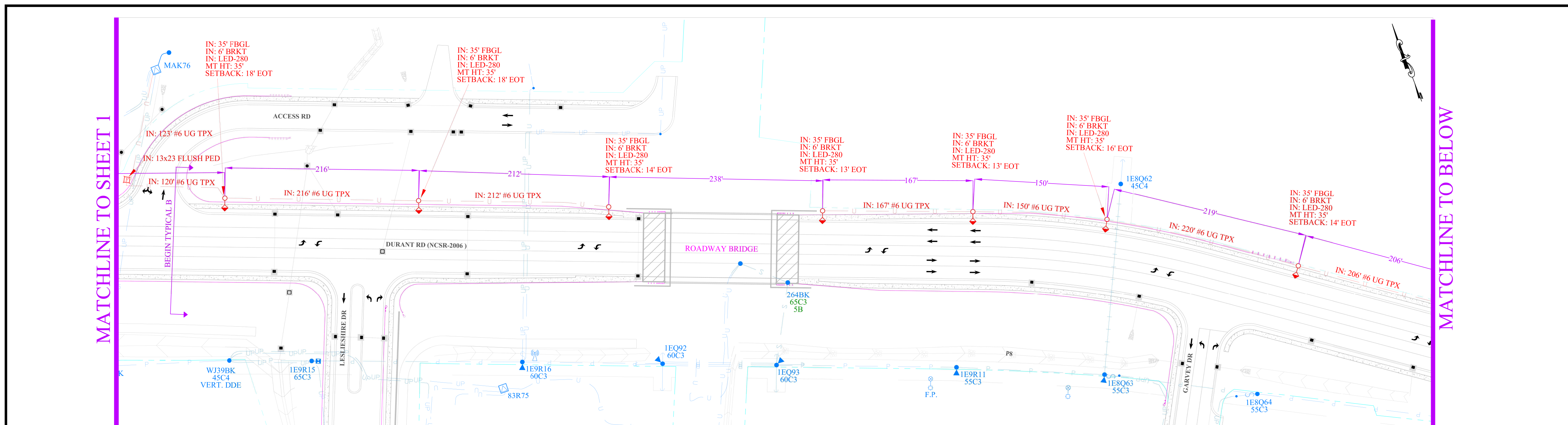
NO.	DATE	REVISION	BY

STREET LIGHTING ARRANGEMENT FOR (NCSR 2006) DURANT RD RALEIGH, NC	
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS
Reviewed by	JESSICA WESTERVELT Scale 1" = 50'
Date	8/03/2021 Size Drawing size "D"
Description	WO # 31453962 (UG); WO # 28952152 (OH)
Drawing No.	53962 Sht. 1 OF 2

REVISIONS

5/14/19

9/13/2021



PROPOSED	EXISTING	REMOVE	ABANDON	LEGEND
				LED LUMINAIRE
				DECORATIVE LUMINAIRE
				FIBERGLASS/STEEL LIGHTING POLE
				WOOD POLE
				FOREIGN POLE
				TRANSFORMER POLE MOUNTED
				STREET LIGHT CIRCUIT UNDERGROUND
				STREET LIGHT CIRCUIT OVERHEAD
				OH PROPERTY CIRCUIT
				REV/PROPERTY LINES
				SECONDARY PEDESTAL
				TRANSFORMER GPAD MOUNTED

Safety Reminders / Adverse Conditions

SAFETYFirst
PERSONAL ACCOUNTABILITY
ACTIVE LISTENING
HAZARD RECOGNITION

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WZS:

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STREET LIGHTING ARRANGEMENT FOR
(NCSR 2006) DURANT RD
RALEIGH, NC

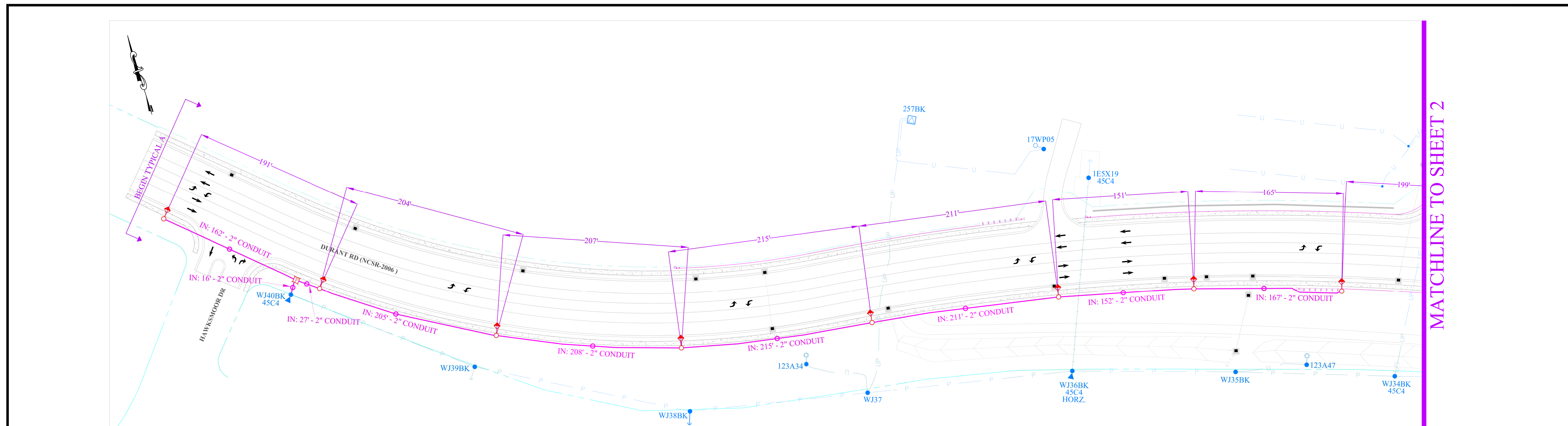
Designed by **DUKE ENERGY PROGRESS LIGHTING SOLUTIONS**
Reviewed by **JESSICA WESTERVELT** Scale **1" = 50'**
Date **8/03/2021** Size **Drawing size "D"**
Description **WO # 31453962 (UG); WO # 28952152 (OH)**
Drawing No. **53962** Sht. **2 OF 2**

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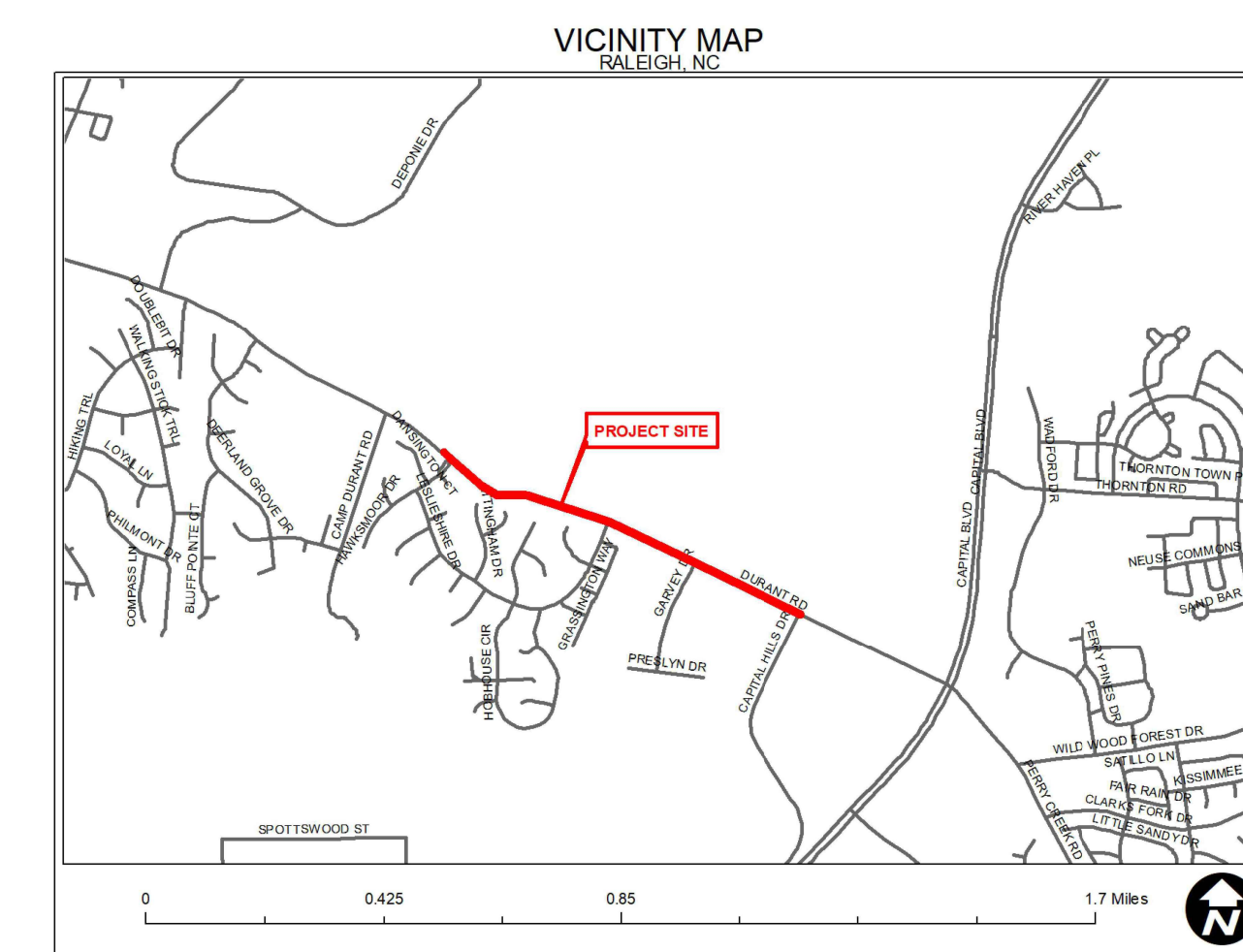
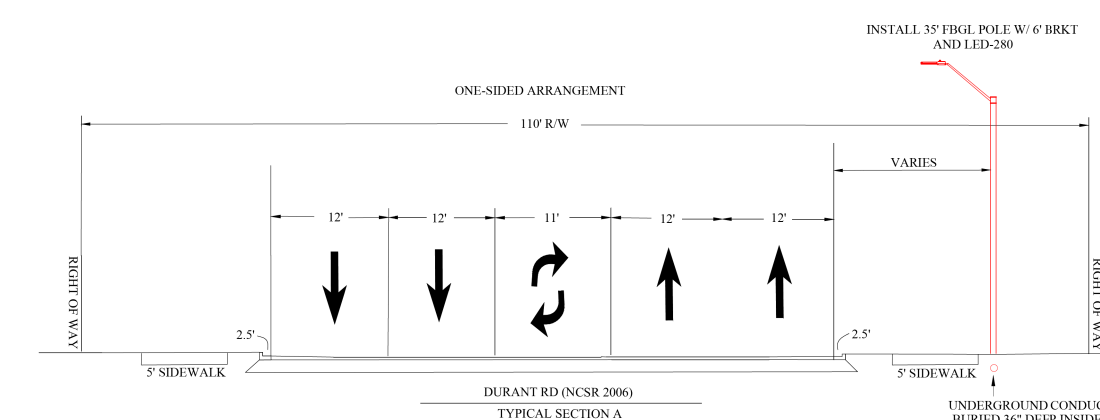
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NOTES

1. INSTALL 2" PVC SCHEDULE 40 STICK CONDUIT PROVIDED BY DUKE ENERGY WHERE INDICATED ON DRAWING.
2. BURY CONDUIT AT LEAST 36" DEEP WITHIN THE RIGHT OF WAY.
3. INSTALL CONTINUOUS RUN OF CONDUIT AND MARK LIGHT AND PEDESTAL LOCATIONS WITH AN EXTRA PIECE OF VERTICAL CONDUIT.



Safety Reminders / Adverse Conditions

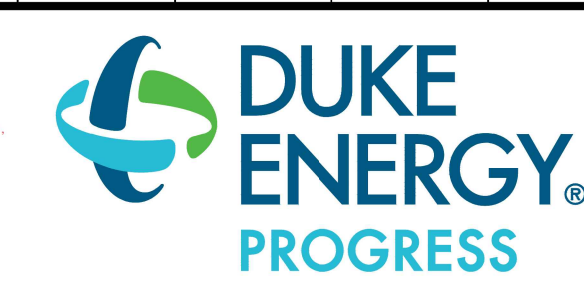
SAFETYFirst
 ? PERSONAL ACCOUNTABILITY
 ? ACTIVE CAREER
 ? HAZARD RECOGNITION

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PROPOSED	EXISTING	REMOVE	INSTALL	LEGEND
				LED LUMINAIRE
				2" CONDUIT
				FIBERGLASS/STEEL LIGHTING POLE
				WOOD POLE
				FOREIGN POLE
				TRANSFORMER POLE MOUNTED
				STREET LIGHT CIRCUIT UNDERGROUND
				STREET LIGHT CIRCUIT OVERHEAD
				ON PRIMARY CIRCUIT
				R/W/PROPERTY LINES
				SECONDARY PEDESTAL
				TRANSFORMER PAD MOUNTED

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CONDUIT ARRANGEMENT FOR	
(NCSR 2006) DURANT RD	
RALEIGH, NC	
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS
Reviewed by	JESSICA WESTERVELT Scale 1" = 50'
Date	08/03/2021 Size Drawing size "D"
Description	WO # 31453962 (UG); WO # 28952152 (OH)
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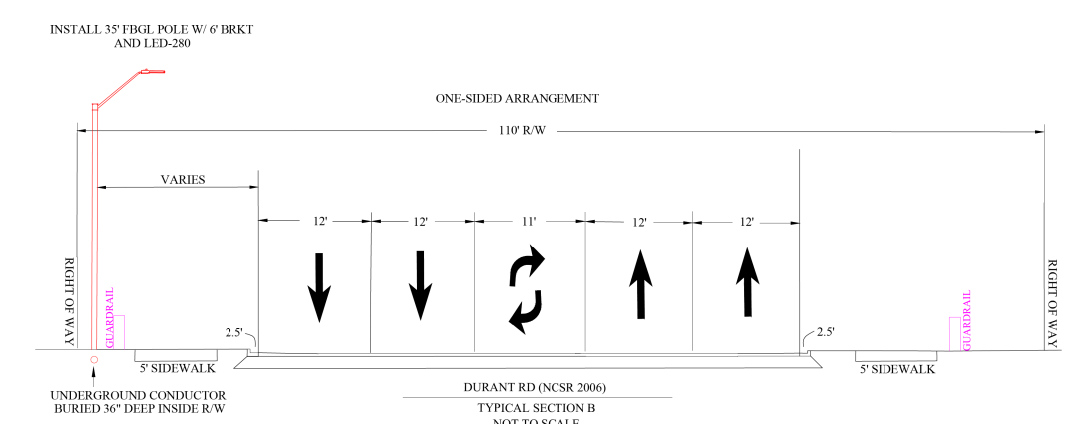
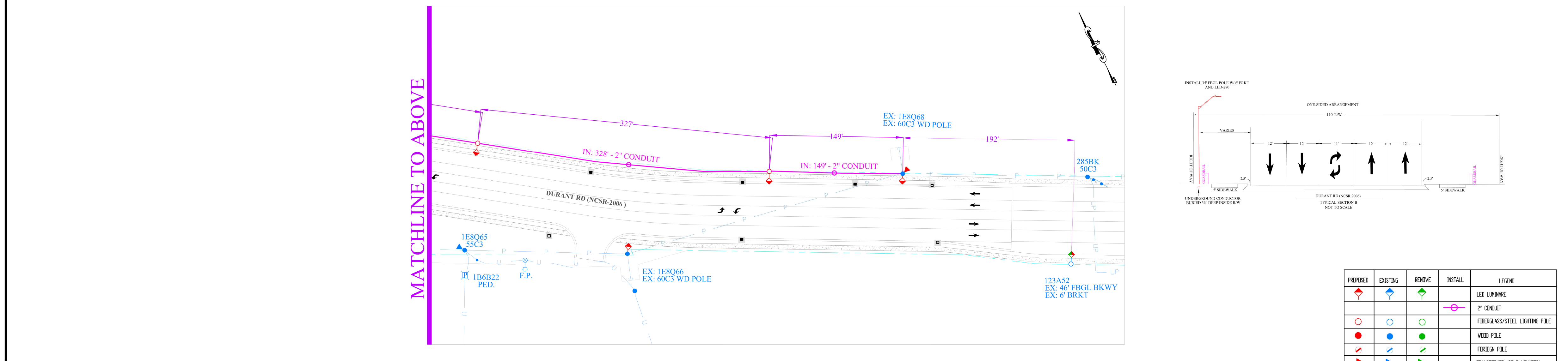
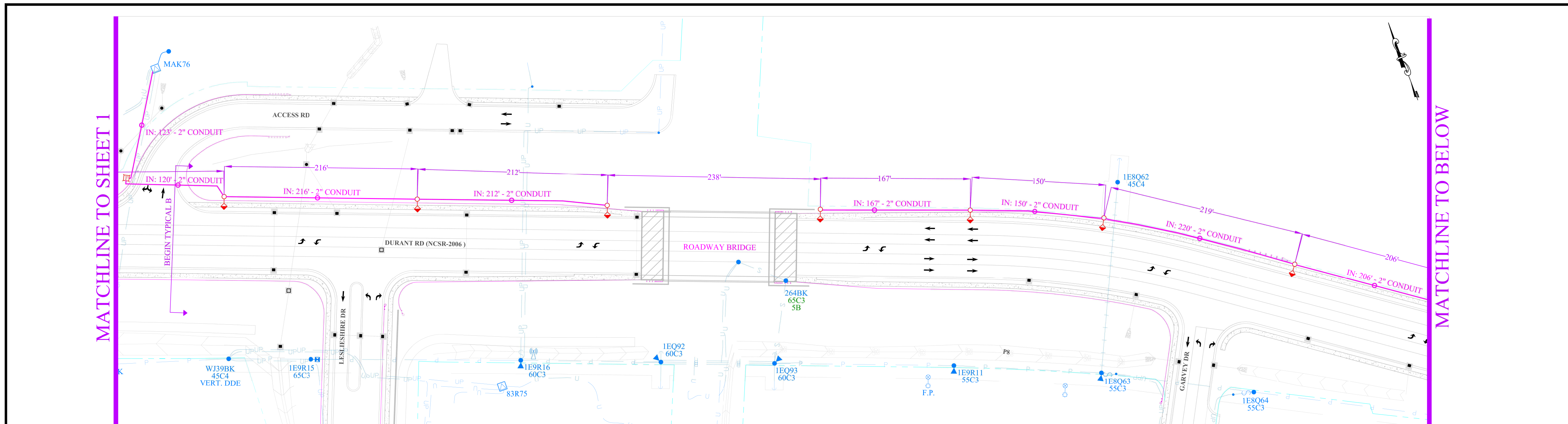
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USE FOR LIGHTING CONSTRUCTION ONLY



PROPOSED	EXISTING	REMOVE	INSTALL	LEGEND
				LED LUMINAIRE
				2\"/>
				FIBERGLASS/STEEL LIGHTING POLE
				VOID POLE
				FOREIGN POLE
				TRANSFORMER POLE MOUNTED
				STREET LIGHT CIRCUIT UNDERGROUND
				STREET LIGHT CIRCUIT OVERHEAD
				DH PRIMARY CIRCUIT
				RDW/PROPERTY LINES
				SECONDARY PEDESTAL
				TRANSFORMER (PAD MOUNTED)

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Reviewed by	JESSICA WESTERVELT Scale: 1" = 50'
Date	08/03/2021 Size: Drawing size "D"
Description	WO # 31453962 (UG); WO # 28952152 (OH)
Drawing No.	53962 Sh. 2 OF 2

NO.	DATE	REVISION	BY

STREET LIGHTING CONDUIT INSTALLATION

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