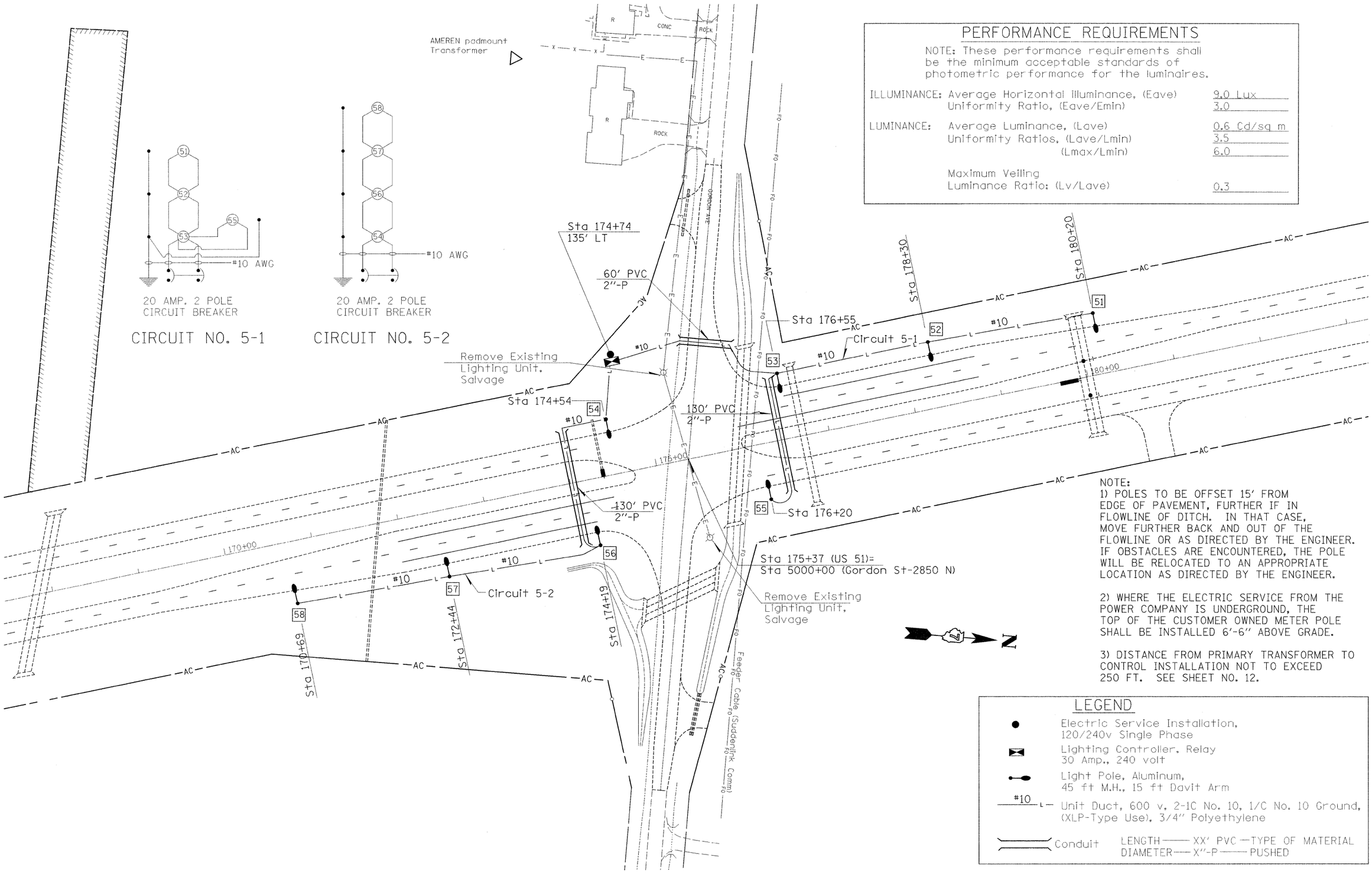

20 AMP. 2 POLE CIRCUIT BREAKER

CIRCUIT NO. 5-1

20 AMP. 2 POLE CIRCUIT BREAKER

CIRCUIT NO. 5-2

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaires.

ILLUMINANCE:	Average Horizontal Illuminance, (Eave)	9.0 Lux
	Uniformity Ratio, (Eave/Emin)	3.0
LUMINANCE:	Average Luminance, (Lave)	0.6 Cd/sq m
	Uniformity Ratios, (Lave/Lmin)	3.5
	(Lmax/Lmin)	6.0
	Maximum Veiling Luminance Ratio: (Lv/Lave)	0.3

NOTE:
1) POLES TO BE OFFSET 15' FROM EDGE OF PAVEMENT, FURTHER IF IN FLOWLINE OF DITCH. IN THAT CASE, MOVE FURTHER BACK AND OUT OF THE FLOWLINE OR AS DIRECTED BY THE ENGINEER. IF OBSTACLES ARE ENCOUNTERED, THE POLE WILL BE RELOCATED TO AN APPROPRIATE LOCATION AS DIRECTED BY THE ENGINEER.

2) WHERE THE ELECTRIC SERVICE FROM THE POWER COMPANY IS UNDERGROUND, THE TOP OF THE CUSTOMER OWNED METER POLE SHALL BE INSTALLED 6'-6" ABOVE GRADE.

3) DISTANCE FROM PRIMARY TRANSFORMER TO CONTROL INSTALLATION NOT TO EXCEED 250 FT. SEE SHEET NO. 12.

LEGEND

- Electric Service Installation, 120/240v Single Phase
- Lighting Controller, Relay 30 Amp., 240 volt
- Light Pole, Aluminum, 45 ft M.H., 15 ft Davit Arm
- #10 L — Unit Duct, 600 v, 2-1C No. 10, 1/C No. 10 Ground, (XLP-Type Use), 3/4" Polyethylene
- Conduit — LENGTH — XX' PVC — TYPE OF MATERIAL; DIAMETER — X"-P — PUSHED

FILE NAME = c:\projects\74289g\shtpln_74289.dgn	USER NAME = mcclellanla	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/7/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING
LOCATION 5

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)L	SHELBY	16	10

CONTRACT NO. 74289

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT