

KEY NOTES THIS SHEET

- ① PROVIDE CONDUIT UNDER EXISTING PAVEMENT USING DIRECTIONAL BORING. BORE SHALL BE MEASURED TO 2 FEET PAST PAVEMENT ON EACH SIDE. LOCATE ALL EXISTING UTILITIES IN AREA PRIOR TO BEGINNING. FOR PROTECTION OF EXISTING UNDERGROUND UTILITIES ALL EXCAVATION AROUND THEM SHALL BE DONE BY HAND.
- ② CONTRACTOR WILL PROVIDE (2) 4" SCHEDULE 40 PVC CONDUITS 36" TO 42" UNDER EXISTING PAVEMENT USING DIRECTIONAL BORING FROM JUNCTION BOX LABELED 281-10 APPROXIMATELY 80 FEET TO THE NORTHWEST, AS SHOWN. AMEREN WILL PROVIDE ACCESS TO JUNCTION BOX 281-10, HOWEVER, THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THE SWEEP INTO THE BOX. THE SWEEP AT EACH END SHALL BE SCHED. 80 PVC WITH A MINIMUM BENDING RADIUS OF 36". THE ENDS OF THE CONDUITS SHALL HAVE BUSHINGS INSTALLED. THE PULL STRING IN THE CONDUITS SHALL BE RATED AT 2600# OF TENSION. CONTRACTOR SHALL VERIFY ALL DISTANCES AT SITE PRIOR TO BIDDING.
- ③ THE CONTRACTOR SHALL EXTEND THE CONDUIT APPROXIMATELY 170 FEET NORTH TO THE PROPOSED UTILITY TRANSFORMER LOCATION ADJACENT TO THE POLE ON THE TRAIL (NOT SHOWN). THE SWEEP AT EACH END SHALL BE SCHED. 80 PVC WITH A MINIMUM BENDING RADIUS OF 36". THE PULL STRING IN THE CONDUITS SHALL BE RATED AT 2600# OF TENSION. CONTRACTOR SHALL VERIFY ALL DISTANCES AT SITE PRIOR TO BIDDING.
- ④ AT THE UTILITY TRANSFORMER LOCATION, THERE ARE SINGLE PHASE OVERHEAD SERVICES TO BE RE-FED BY AMEREN FROM THIS PADMOUNTED TRANSFORMER. THE CONTRACTOR SHALL INSTALL A SINGLE 3" CONDUIT FROM THE NEW SINGLE PHASE PADMOUNTED TRANSFORMER TO AN EXISTING WOOD POLE, LOCATED APPROXIMATELY 35' EAST OF THE PROPOSED PADMOUNTED TRANSFORMER LOCATION. THE CONDUIT IS REQUIRED TO BE A MINIMUM OF SCHEDULE 40 PVC BELOW GRADE, WITH 36" SCHEDULE 80 PVC SWEEPS AT EACH END. AT THE EXISTING POLE, THE CONTRACTOR SHALL SUPPLY (3) 3" @ 10' SCHEDULE 80 PVC SECTIONS FOR AMEREN TO INSTALL UP THE POLE TO USE AS A RISER. CONTRACTOR SHALL VERIFY ALL DISTANCES AT SITE PRIOR TO BIDDING.
- ⑤ CONTRACTOR WILL PROVIDE (2) 4" SCHEDULE 40 PVC CONDUITS FROM PROPOSED UTILITY TRANSFORMER TO THE JUNCTION NORTH OF THAT LOCATION. CONTRACTOR SHALL VERIFY ALL DISTANCES AT SITE PRIOR TO BIDDING.

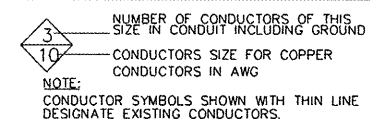
STREET LIGHTING LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PORTLAND CEMENT CONCRETE HANDHOLE.
		DOUBLE PORTLAND CEMENT CONCRETE HANDHOLE.
		GULFBBOX JUNCTION, COMPOSITE CONCRETE.
		TRAFFIC SIGNAL CONTROLLER CABINET.
		LIGHTING CONTROLLER (# = CONTROLLER NUMBER)
		LIGHTING ASSEMBLY MOUNTED ON SIGNAL POLE.
		LIGHTING ASSEMBLY, DOUBLE ARMS WITH LUMINAIRES, PER SPECIAL PROVISIONS, MOUNTED ON 26' POLE, WITH CONCRETE FOUNDATION.
		PVC CONDUIT (SCH. 80) IN TRENCH OR BORED AS NOTED (1 2-INCH UNLESS NOTED OTHERWISE) SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES

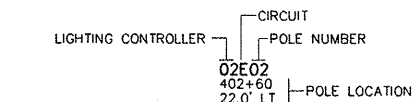
CONDUIT ROUTING NOTE

ALL CONDUIT SHOWN ARE DIAGRAMMATIC ONLY. ALL CONDUIT SHALL BE TRENCHED OR BORED THROUGH PATH OF LEAST RESISTANCE. COORDINATE THE INSTALLATION WITH UTILITIES, OTHER TRADES AND THE CITY.
 ALL CONDUITS SHALL BE PROVIDED WITH AN INTEGRAL PULL STRING. THE PULL STRING SHALL BE INCLUDED IN THE COST OF THE CONDUITS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

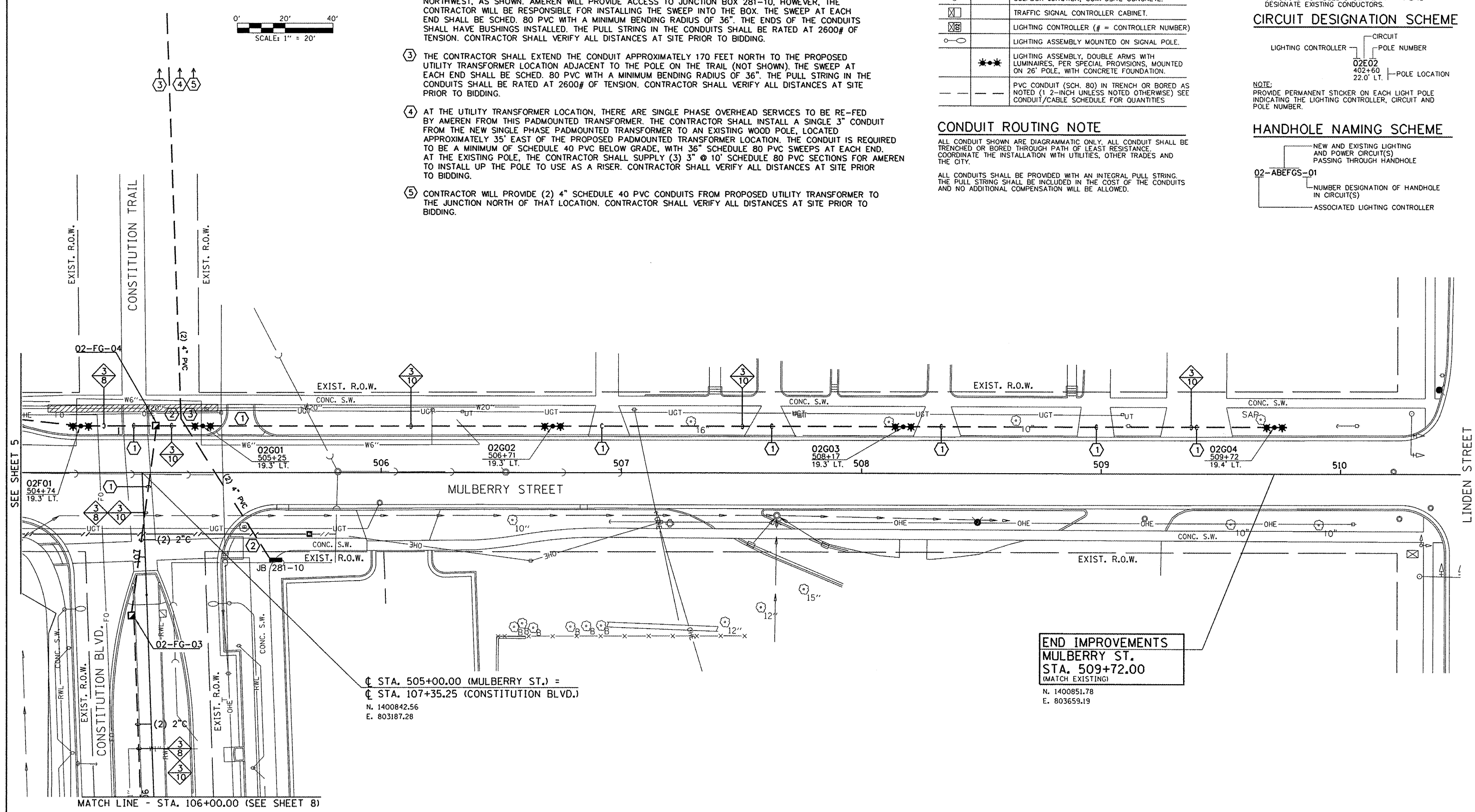
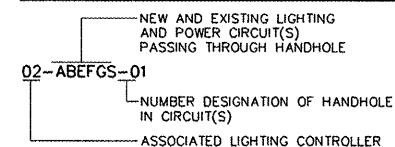
CONDUCTOR SYMBOL SCHEME



CIRCUIT DESIGNATION SCHEME



HANDHOLE NAMING SCHEME



END IMPROVEMENTS
 MULBERRY ST.
 STA. 509+72.00
 (MATCH EXISTING)
 N. 1400851.78
 E. 803659.19

☐ STA. 505+00.00 (MULBERRY ST.) =
 ☐ STA. 107+35.25 (CONSTITUTION BLVD.)
 N. 1400842.56
 E. 803187.28