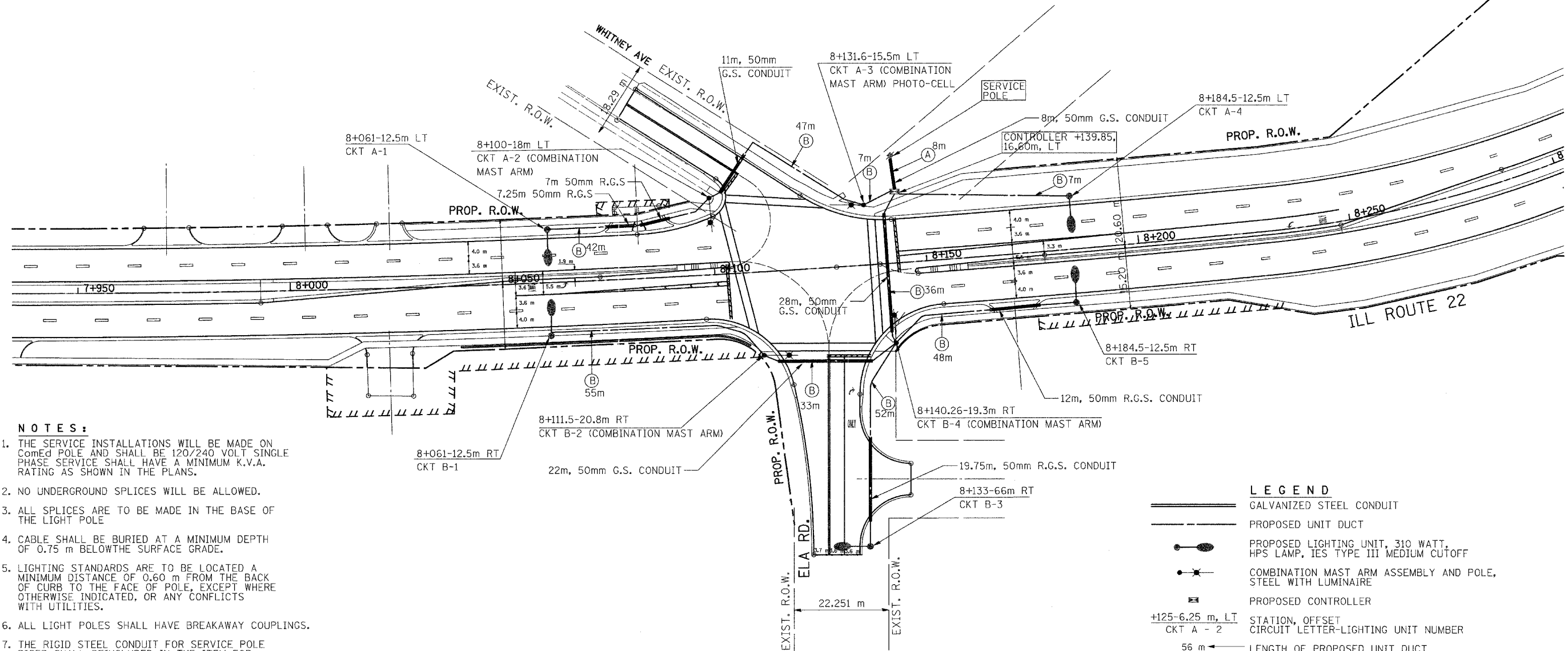


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	19R-1	LAKE	800	543
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60997				



- NOTES:**
1. THE SERVICE INSTALLATIONS WILL BE MADE ON ComEd POLE AND SHALL BE 120/240 VOLT SINGLE PHASE SERVICE SHALL HAVE A MINIMUM K.V.A. RATING AS SHOWN IN THE PLANS.
  2. NO UNDERGROUND SPLICES WILL BE ALLOWED.
  3. ALL SPLICES ARE TO BE MADE IN THE BASE OF THE LIGHT POLE
  4. CABLE SHALL BE BURIED AT A MINIMUM DEPTH OF 0.75 m BELOW THE SURFACE GRADE.
  5. LIGHTING STANDARDS ARE TO BE LOCATED A MINIMUM DISTANCE OF 0.60 m FROM THE BACK OF CURB TO THE FACE OF POLE, EXCEPT WHERE OTHERWISE INDICATED, OR ANY CONFLICTS WITH UTILITIES.
  6. ALL LIGHT POLES SHALL HAVE BREAKAWAY COUPLINGS.
  7. THE RIGID STEEL CONDUIT FOR SERVICE POLE RISER SHALL BE INCLUDED IN THE ITEM FOR SERVICE INSTALLATION.
  8. ALL GALVANIZED STEEL CONDUITS ARE TRENCHED UNLESS OTHERWISE INDICATED.
  9. APPROXIMATELY 6.25 m OF CABLE SHALL BE COILED AT THE TOP OF RIGID STEEL CONDUIT RISER, OF THE SIZE INDICATED, INSTALLED ON THE SERVICE POLE, FOR CONNECTION TO ELECTRICAL SERVICE. CONNECTION TO ELECTRICAL SERVICE TO BE MADE BY ComEd COMPANY. THIS CABLE WILL BE MEASURED AND PAID FOR AS CABLE IN CONDUIT.
  10. LUMINARIES SHALL OPERATE AT A NOMINAL 120V PRIMARY VOLTAGE.
  11. STATIONS AND OFFSETS ARE GIVEN TO THE CENTERLINE OF POLES.
  12. THE GROUND RODS FOR TRAFFIC SIGNAL COMBINATION MAST ARMS SHALL BE USED TO GROUND THE LUMINAIRE
  13. THE CENTERLINE OF THE CABLE TRENCHES SHALL BE COINCIDENT WITH THE CENTERLINE OF THE LIGHTING FOUNDATIONS.
  14. PROCUREMENT AND INSTALLATION SHALL COMPLY TO LATEST IDOT STANDARDS, IES AND NEC REQUIREMENTS.
  15. ALL ELECTRICAL MATERIALS AND COMPONENTS SHALL BE U/L LISTED
  16. THE LIGHTING CONTROLLER CABINET SHALL BE STAINLESS STEEL

- LEGEND**
- GALVANIZED STEEL CONDUIT
  - - - PROPOSED UNIT DUCT
  - PROPOSED LIGHTING UNIT, 310 WATT, HPS LAMP, IES TYPE III MEDIUM CUTOFF
  - ⊕ COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
  - ⊞ PROPOSED CONTROLLER
  - +125-6.25 m, LT  
CKT A - 2  
56 m ← STATION, OFFSET  
CIRCUIT LETTER-LIGHTING UNIT NUMBER
  - ⊕ LENGTH OF PROPOSED UNIT DUCT
  - (A) ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 2
  - (B) UNIT DUCT WITH 2-1/C #10 AND 1-1/C #10 GROUND (XLP) IN 20mm DIA. POLYETHYLENE

**SCHEDULE OF ELECTRICAL QUANTITIES**

DESCRIPTION	UNIT	TOTAL
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	107
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	266
UNIT DUCT, 2*10XLP, 1*10XLP GROUND 20MM POLYETHYLENE	METER	385
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 2	METER	18
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	9
LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EACH	1
GROUND ROD, 19mm DIA. X 3.0 M	EACH	6
LIGHT POLE, STEEL, 12.0m M.H., 1.8m M.A.	EACH	5
LIGHT POLE FOUNDATION 600mm DIA.	METER	15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ILLINOIS ROUTE 22**  
**FROM US RTE 12 TO BUESCHING RD**  
**LIGHTING PLAN**  
**IL RTE 22 & ELA RD - WHITNEY AVE**

SCALE :  
DATE : 07/21/04

DESIGNED BY VAP  
CHECKED BY RAM