



NOTES:

1. THE STREET LIGHTING ELECTRICAL DISTRIBUTION SYSTEM SHALL BE DESIGNED BY AN ALASKAN REGISTERED ELECTRICAL ENGINEER IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE.
2. STREET LIGHTS SHALL BE CONSTRUCTED AT INTERSECTIONS WITH SPACING BETWEEN LIGHTS NOT TO EXCEED 250' OR AS DIRECTED BY THE ENGINEER.
3. A PHOTOELECTRIC CELL SHALL BE MOUNTED ON EACH POLE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
4. UNDERGROUND WIRING BETWEEN LIGHTS TO BE INSTALLED IN PVC CONDUIT. ALL CONDUIT INSTALLED ABOVE GROUND TO BE GALVANIZED RIGID STEEL (GRS).
5. A TYPE 1A JUNCTION BOX IS REQUIRED FOR EACH LIGHT POLE AT A LOCATION DETERMINED BY THE ELECTRICAL ENGINEER. WIRING SHALL BE CONTINUOUS WITH SPLICING AT LIGHT POLES AND JUNCTION BOXES ONLY.
6. PROVIDE DOUBLE FUSED CONNECTOR KITS WITH FUSES IN THE BASE OF EACH POLE AS SPECIFIED BY THE ELECTRICAL ENGINEER.
7. PROVIDE A LOAD CENTER AND/OR HEAVY DUTY, STAINLESS STEEL, FUSED DISCONNECT(S) AS REQUIRED. SPECIFICATIONS AND LOCATION OF LOAD CENTER AND/OR DISCONNECT(S) TO BE DETERMINED BY THE ELECTRICAL ENGINEER.
8. LED LUMINARIES SHALL BE BetaLED #BLD-STR-38-HT-034-LED-B-UL-350 OR APPROVED EQUAL AND COMPLY WITH UL 1598. APPROVED FOR WET LOCATIONS AND IESNA RP-8 FOR LIGHT DISTRIBUTION. THE HOUSING SHALL BE RIGID FORMED, WEATHER-TIGHT AND LIGHT-TIGHT ENCLOSURES. SHEET METAL SHALL BE CORROSION-RESISTANT ALUMINUM. EXPOSED HARDWARE SHALL BE STAINLESS STEEL AND PLASTIC COMPONENTS SHALL BE RESISTANT TO YELLOWING.
9. (4) 1"x36" EMBEDDED GALVANIZED ANCHOR BOLTS WITH 4" MIN HOOK, 6" OF THREAD, LEVELING NUTS AND PROTECTIVE CAPS. BOLTS SHALL MEET ASTM-A36 WITH MIN YIELD STRESS OF 36.0 KSI.
10. #8 CU GROUNDING CONDUCTOR BONDED TO ANCHOR BOLTS, LIGHT POLE AND EQUIPMENTS GROUND ROUTED WITH (3) #8 LIGHTING CIRCUIT CONDUCTORS.
11. (6) #8 BARS SPACED EQUALLY INSIDE 30" DIA, #2 BAR SPIRAL. START SPIRAL 3" BELOW TOP AND 3" ABOVE BOTTOM WITH 1 TURN EVERY 3".
12. BACKFILL WITH 12" OF D-1 AROUND FOOTING SIDE AND BOTTOM. COMPACT TO 95% MAXIMUM DENSITY.

SCALE: NTS	DATE: 1/10/97	CITY AND BOROUGH OF JUNEAU, ALASKA	
DRAWN BY: DRW	CHECKED BY: JB/STAFF	STREET LIGHTING	
APPROVED BY: 	REVISED: 8/14/2011	STANDARD 118	