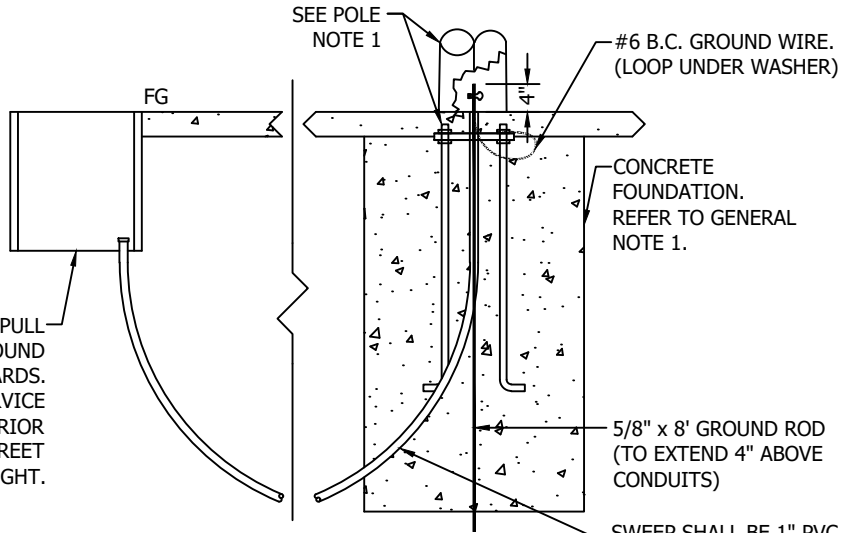


LED (LIGHT EMITTING DIODE) SHALL BE GENERAL ELECTRIC 120/240 V, EVOLVE LED MEDIUM COBRA HEAD WITH AN EVOLVE LIGHT ENGINE CONSISTING OF REFLECTIVE TECHNOLOGY, AN IP 65 RATED OPTICAL ENCLOSURE, AND AN INJECTION MOLDED HID ACRYLIC LENS. ADJUSTABLE LUMINAIR, REDUCED GLARE, SHIELD, OR OTHER SPECIAL MATERIALS FOR RESIDENTIAL NEIGHBORHOOD CONSIDERATION SHALL BE INSTALLED AS DIRECTED BY THE CITY ENGINEER.
 COLOR TEMPERATURE: 3000K LUMENS: 3,900 WATTS: 31 W
 ERL1 0 04 B3 30 A GRAY (TYPICAL)
 FOR AREAS WITHIN 1 MILE OF COAST WITH MARINE COATING, ERL1 0 04 B3 30 A GRAY Y TO BE USED.

POLE NOTES:

1. THE POLE TYPE AND POLE INSTALLATION HARDWARE SHALL BE PER MARBELITE AMERON 1C1-23 (MIX-37) W/1AP4A ALUMINUM ARM ASSEMBLY (AMERON DWG NO. 040-30201) OR APPROVED EQUAL.
2. POLE SHALL BE OCTAGONAL IN SHAPE, SYMMETRICALLY TAPERED, MADE OF PRECAST/PRESTRESSED CONCRETE, AND NATURAL GRAY IN COLOR WITH BLACK AND WHITE AGGREGATE, AND ENTIRELY COATED WITH AMERSHIELD ANTI-GRAFFITI COATING.
3. POLE SHALL BE BASE MOUNTED, DIRECT BURIAL IS NOT ALLOWED.
4. POLE SHALL BE PLUMB, MAXIMUM VARIANCE 0.08"/FT.
5. LOCATION (TO POLE CENTER) SHALL BE 2'-0" FROM FACE OF CURB, 5' FROM BCR/ECR, 9' FROM FIRE HYDRANT CENTER, 5' FROM DRIVEWAY EDGE, 5' FROM UTILITY TRANSFORMER AND OTHER OBSTRUCTIONS.
6. BOLT CIRCLE DIAMETER, 12" AMERON.
7. MATERIALS SHALL BE FROM SAME MANUFACTURER ALONG SAME STREET AND IN THE SAME TRACT UNLESS APPROVED BY THE ENGINEER.
8. CONDUCTORS SHALL BE TWO NO. 8 THW WIRES WITHIN THE POLE BETWEEN THE SPLICE POINT AND THE FIXTURE.

STREET VIEW
NOT TO SCALE



BASE DETAIL
NOT TO SCALE

WIRES, CONDUIT, AND PULL BOX PER SCE UNDERGROUND STRUCTURES STANDARDS. OBTAIN ELECTRICAL SERVICE APPROVAL FROM SCE PRIOR TO ENERGIZING STREET LIGHT.

GENERAL NOTES:

1. SUBMIT CALIFORNIA LICENSED STRUCTURAL ENGINEER CALCULATIONS, STAMP, AND SIGNATURE PROVIDING ANALYSIS OF FOUNDATION DESIGN, POLE, AND ALL SUPPORTED EQUIPMENT. CONCRETE SHALL BE CLASS 560-C-3250 PER STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK). ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, AND SUPPLEMENTS THERETO AND TO THE SATISFACTION OF THE ENGINEER.
2. THIS STANDARD SHALL APPLY TO STREET CLASSIFICATIONS OF COLLECTOR AND BELOW.
3. ALL EXCAVATION AND SHORING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 6 OF THE STATE OF CALIFORNIA OSHA. TRENCHES EXCEEDING MORE THAN 5 FEET BELOW GRADE OR WHERE UNSTABLE SOIL IS PRESENT SHALL BE PROPERLY SHORED.



DATE REVISED
10/06/2021

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS

RESIDENTIAL & COLLECTOR LIGHTING

APPROVED BY  11/02/2021
PREM KUMAR, P.E., CITY ENGINEER DATE

STANDARD PLAN NUMBER
MBLT-400A-0
SHEET 1 OF 1