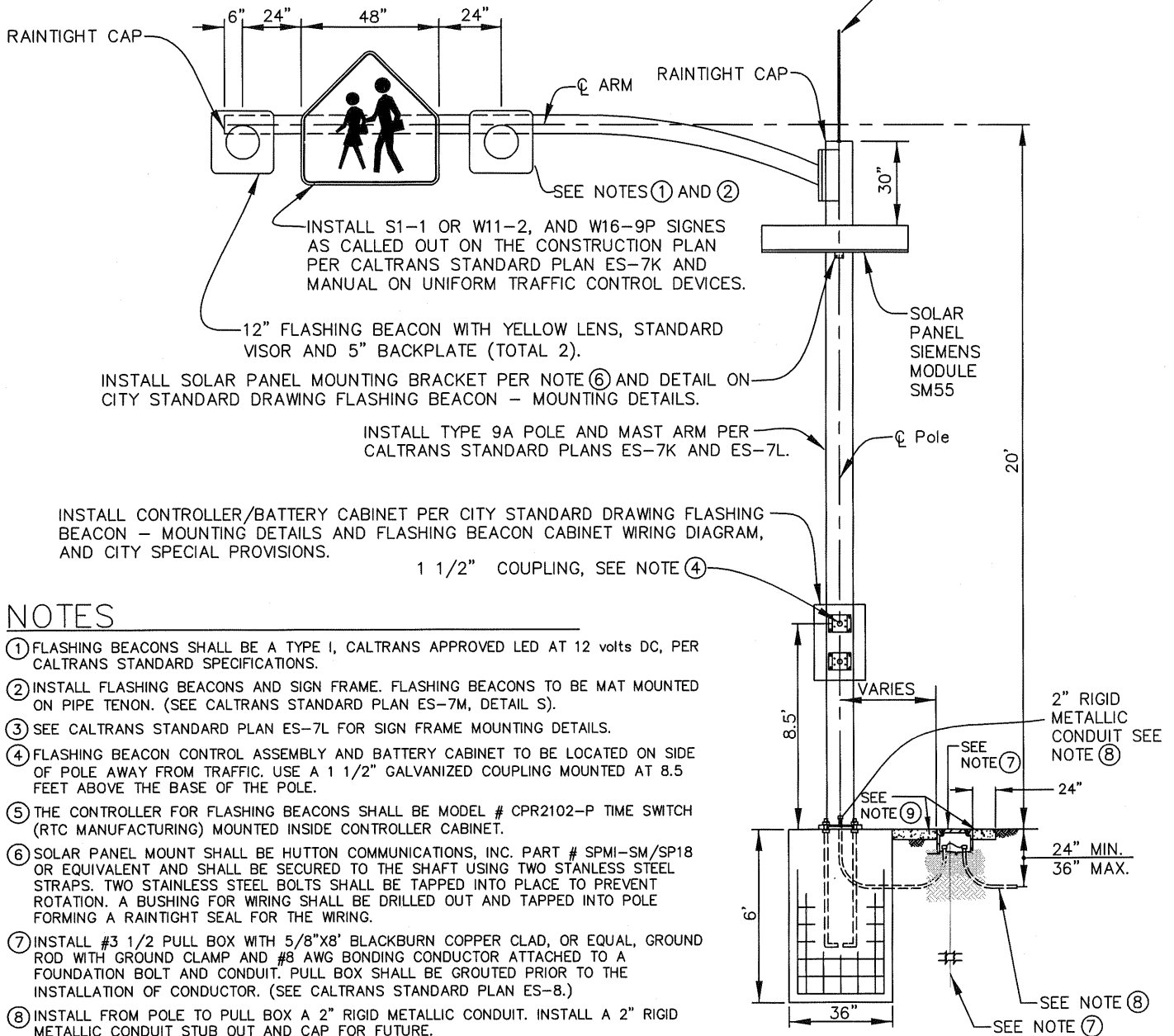


ANTENNA SHALL HAVE A MINIMUM GAIN OF 3db AND SHALL BE HOUSED IN A PVC PIPE WITH A MEYERS HUB FOR MOUNTING ON TOP OF POLE BY METHOD OF DRILLING, TO FORM A RAIN TIGHT SEAL IN THE TOP OF THE POLE COVER. A COAX CABLE SHALL RUN, CONTINUOUSLY FROM THE ANTENNA TO THE CPR2102-P TIME SWITCH.



NOTES

- ① FLASHING BEACONS SHALL BE A TYPE I, CALTRANS APPROVED LED AT 12 volts DC, PER CALTRANS STANDARD SPECIFICATIONS.
- ② INSTALL FLASHING BEACONS AND SIGN FRAME. FLASHING BEACONS TO BE MAT MOUNTED ON PIPE TENON. (SEE CALTRANS STANDARD PLAN ES-7M, DETAIL S).
- ③ SEE CALTRANS STANDARD PLAN ES-7L FOR SIGN FRAME MOUNTING DETAILS.
- ④ FLASHING BEACON CONTROL ASSEMBLY AND BATTERY CABINET TO BE LOCATED ON SIDE OF POLE AWAY FROM TRAFFIC. USE A 1 1/2" GALVANIZED COUPLING MOUNTED AT 8.5 FEET ABOVE THE BASE OF THE POLE.
- ⑤ THE CONTROLLER FOR FLASHING BEACONS SHALL BE MODEL # CPR2102-P TIME SWITCH (RTC MANUFACTURING) MOUNTED INSIDE CONTROLLER CABINET.
- ⑥ SOLAR PANEL MOUNT SHALL BE HUTTON COMMUNICATIONS, INC. PART # SPMI-SM/SP18 OR EQUIVALENT AND SHALL BE SECURED TO THE SHAFT USING TWO STAINLESS STEEL STRAPS. TWO STAINLESS STEEL BOLTS SHALL BE TAPPED INTO PLACE TO PREVENT ROTATION. A BUSHING FOR WIRING SHALL BE DRILLED OUT AND TAPPED INTO POLE FORMING A RAIN TIGHT SEAL FOR THE WIRING.
- ⑦ INSTALL #3 1/2 PULL BOX WITH 5/8"x8" BLACKBURN COPPER CLAD, OR EQUAL, GROUND ROD WITH GROUND CLAMP AND #8 AWG BONDING CONDUCTOR ATTACHED TO A FOUNDATION BOLT AND CONDUIT. PULL BOX SHALL BE GROUTED PRIOR TO THE INSTALLATION OF CONDUCTOR. (SEE CALTRANS STANDARD PLAN ES-8.)
- ⑧ INSTALL FROM POLE TO PULL BOX A 2" RIGID METALLIC CONDUIT. INSTALL A 2" RIGID METALLIC CONDUIT STUB OUT AND CAP FOR FUTURE.
- ⑨ INSTALL P.C.C. CONCRETE PER CITY STANDARD DRAWING SIDEWALK CONSTRUCTION ADJACENT TO CURB OR RIGHT-OF-WAY.
- ⑩ REFERENCE CALTRANS STANDARD PLANS, LATEST EDITION, NO.'S ES-4D, ES-4E, ES-7K, ES-7L, ES-7M, ES-7N, ES-8, AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ⑪ ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE CURRENT CITY OF ONTARIO STANDARD SPECIFICATIONS AND STANDARD DRAWINGS AND CALTRANS STANDARD SPECIFICATIONS SECTIONS AND STANDARD DRAWINGS, FOR TRAFFIC STRIPING, MARKINGS, SIGNS, TRAFFIC SIGNALS AND HIGHWAY LIGHTING EXCEPT AS INDICATED HEREON AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

CAST-IN-DRILLED
HOLE PILE FOUNDATION
REINFORCED PILE
PER CALTRANS STANDARD
PLAN ES-7N

* FOR MOUNTING DETAILS REFER TO STANDARD DRAWING "Flashing Beacon-Mounting Details".



APPROVED BY:				
<i>John P. Sullivan</i>				
JOHN P. SULLIVAN CITY ENGINEER				
24079 8/08/06				
RCE DATE				
RECOMMENDED:				
<i>Sharon A. Wynn</i>				
2013 8/07/06				
TRAFFIC/TRANSPORTATION MANAGER				
TE DATE				
REV	DESCRIPTION	BY	APP'D	DATE

CITY OF ONTARIO

FLASHING BEACON

STANDARD
DRAWING
NUMBER

5204