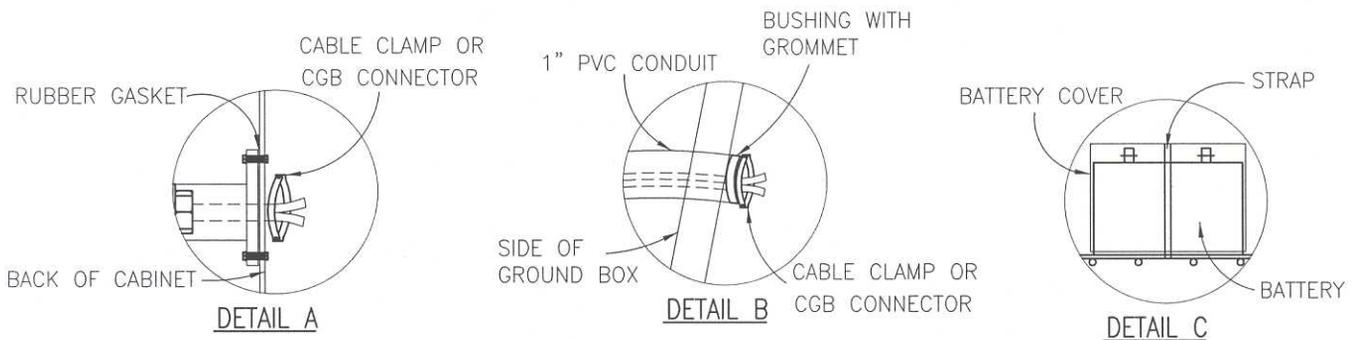


NOTES:

1. DETAILS SHOW A TYPICAL WARNING SIGN WITH TWO FLASHING BEACON HEADS, OTHER ARRANGEMENTS ARE POSSIBLE WHEN ONLY ONE BEACON IS REQUIRED, INSTALL THE UPPER BEACON.
2. SEE TxDOT ITEM 685, "ROADSIDE FLASHING BEACON ASSEMBLIES" FOR FURTHER REQUIREMENTS.
3. USE EITHER A SCREW-IN TYPE ANCHOR FOUNDATION OR 24" DRILL SHAFT FOUNDATION. INSTALL THE SCREW IN TYPE ANCHOR FOUNDATION AS SHOWN. ON SLOPE, INSTALL ONE EDGE AT GROUND LEVEL.
4. WHEN USED, PROVIDE ONE OF THE FOLLOWING SCREW IN TYPE ANCHOR FOUNDATION:
A.B. CHANCE, MODEL C11242NG4VP, COMPONENT PRODUCTS INC. MODEL CPI-SLSF-5TX,
PELCO PRODUCTS INC. MODELS PB-5359, PB-5360 OR PB 5375 O OR APPROVED EQUAL.
5. PROVIDE CLEARANCE AS SHOWN ABOVE THE SIDEWALK OR PAVEMENT GRADE AT THE EDGE OF THE ROAD. WHEN A BOTTOM BEACON IS NOT USED, MOUNT THE SIGN AT LEAST 7' ABOVE THE SIDEWALK OR PAVEMENT GRADE AT THE EDGE OF THE ROAD.
6. USE MATERIALS SPECIFICALLY DESIGNED FOR ATTACHING CABINETS, BEACON HEADS, SOLAR PANELS, ECT. TO POLES.
7. CONDUIT IN FOUNDATION AND WITHIN 6" OF FOUNDATION IS SUBSIDIARY TO THE ITEM 685, "ROADSIDE FLASHING BEACON ASSEMBLIES."
8. PER MANUFACTURER'S RECOMMENDATIONS, ENGAGE ALL THREADS ON THE PEDESTAL POLE BASE AND PIPE UNLESS THE PIPE IS FULLY SEATED INTO BASE. IN HIGH WINDS, USE A POLE AND BASE COLLAR ASSEMBLY TO ADD STRENGTH AND PREVENT LOOSENING ON CONNECTION.
9. INSTALL BEACON HEADS AS SHOWN HERE, AS SHOWN ELSEWHERE ON THE PLANS, OR AS DIRECTED. USE HARDWARE SPECIFICALLY DESIGNED FOR MOUNTING BEACON HEADS ON POLES.
10. LOCATE THE TYPE LB CONDUIT BODY ATTACHMENT IN THE BOTTOM THIRD OF THE BACK OF THE CABINET.
11. PROVIDE NON FUSED WATERTIGHT BREAKAWAY ELECTRICAL CONNECTORS FOR BREAKAWAY POLES.
(BUSSMANN HET, LITTLEFUSE LET, FERRAZ-SHAMUT FEBN OR APPROVED EQUAL)
12. INSTALL THE BATTERIES ON A 3/16" THICK PLASTIC SHEET AND CONNECT TOGETHER. PLACE A PLASTIC COVER (BATTERY BELL JAR) OVER THE TOP OF EACH BATTERY AND SECURE THE BATTERY BELL JAR TO THE BATTERY WITH A STRAP THE BATTERIES, BELL JARS, STRAPS AND 3/16" PLASTIC SHEET ARE SUBSIDIARY TO THE ITEM 685, "ROADSIDE FLASHING BEACON ASSEMBLIES." WHEN REQUIRED, INSTALL BATTERIES IN THE FLASHER CABINET. WIRE BATTERIES ACCORDING TO MANUFACTURES RECOMMENDATIONS.
13. UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER, USE THE FOLLOWING TABLE TO DETERMINE THE WIRE SIZE FROM CABINET TO BEACONS

DISTANCE FROM CABINET TO BEACONS (FT)	MINIMUM REQUIRED WIRE SIZE (AWG)
0 - 35	#14
35 - 60	#12
60 - 100	#10
> 100	#8

14. PROVIDE CLEARANCE AS SHOWN ABOVE THE SIDEWALK OR PAVEMENT GRADE AT THE EDGE OF THE ROAD. WHEN A BOTTOM BEACON IS NOT USED, MOUNT THE SIGN AT LEAST 7' ABOVE THE SIDEWALK OR PAVEMENT GRADE AT THE EDGE OF THE ROAD.
15. UNLESS OTHERWISE SHOWN ON THE PLANS, POLE SHAFT SHALL BE ONE PIECE, SCH. 40 ALUMINUM PIPE, ASTM B429 OR B221 (ALLOY 6061-T6 ONLY). ALUMINUM CONDUIT WILL NOT DEVELOP THE NECESSARY STRENGTH AND WILL NOT BE ALLOWED.



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CITY OF PFLUGERVILLE

SOLAR POWERED ROADSIDE FLASHING BEACON ASSEMBLY DETAILS AND NOTES

CONSTRUCTION STANDARDS AND DETAILS

DWG. # SD-46A

SD46B.DWG