Notes:
1. Generally, mount presence radar detector sensor below mast arm maintaining a minimum 15'-0" vertical clearance from the sensor to the truck bed of vehicles.
2. Contact plans for specific location.
3. Mounting bracket arm shall be oriented to road surface, and on the same side of the road that the detector is aimed, unless otherwise directed.
4. Mount presence radar unit to street lights or poles. From the sensor to the ground rod in the closest service box adjacent to the pole.

Notes on side of poles shall be attached with two (2) brackets and stainless steel bands.
2. Never in sign for attachment to the mounting brackets shall be offset a minimum of 2" from the edge of sign.
3. Mount the sign to be located such that the sign is plum and level.
4. This detail is not intended for R10 series signs attached to signal mast arms.
All concrete surfaces shall be brushed and sealed with curing compound.

Bare No. 6 solid copper ground conductor shall be connected from internal pole grounding nut with a ring terminal to the clamp on the ground rod.

PVC conduit elbows in concrete foundations shall be connected to HDPE conduit with PVC pipe nipple and approved system ground cable.

All concrete pole foundations shall be consolidated by an internal type vibrator.

PVC conduit as required

Controller to control cabinets and poles by manufacturer.

Concrete shall be mixed on the job site and poured as required to maintain required strength and density.

Concrete pole foundations shall be consolidated by an internal type vibrator.

All conduits and anchor bolts for all the new pole foundations shall be rigidly installed before concrete is placed.

Table 1. Schedule (Typ.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Length</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rebar</td>
<td>12&quot;</td>
<td>12</td>
</tr>
</tbody>
</table>

All conduits and anchor bolts for all the new pole foundations shall be rigidly installed before concrete is placed.

Table 2. Drilled Shaft Dimensions

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot;</td>
<td>30&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

Final pole, anchor bolt size, anchor bolt projection, and bolt circle shall be as per manufacturer's recommended practices.

Table 3. Pole Specifications

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
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<td>36&quot;</td>
</tr>
</tbody>
</table>

All conduits and anchor bolts for all the new pole foundations shall be rigidly installed before concrete is placed.

Table 4. Pole Specifications

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<th>Minimum</th>
<th>Maximum</th>
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<td>30&quot;</td>
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</table>

All conduits and anchor bolts for all the new pole foundations shall be rigidly installed before concrete is placed.

Table 5. Pole Specifications

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All conduits and anchor bolts for all the new pole foundations shall be rigidly installed before concrete is placed.

Table 6. Pole Specifications

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<th>Diameter</th>
<th>Minimum</th>
<th>Maximum</th>
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</thead>
<tbody>
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<td>36&quot;</td>
<td>30&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>
CONDUIT LOCATIONS

NOTES:
1. All trenches for conduit under proposed paved surfaces shall be backfilled with flowable fill.
2. Backfill in unpaved areas shall be free of rubble and rock.
3. If multiple conduits are installed within the same trench, they shall have a minimum of 12" horizontal and vertical clearance between them.

CONDUIT MARKING DETAIL

NOTES:
1. An aluminum marker shall be placed in the top of the curb directly over the conduit at each street crossing.
2. Markers shall be installed by drilling the curb and epoxying the marker in place. If installed on a sidewalk or curb ramp, the marker shall be embedded so that the top of the marker is flush with the sidewalk surface.
3. No direct payment shall be made for conduit markers; they are incidental to the installation of conduit.

PULL OR JUNCTION BOX DETAILS

NOTES:
1. Lift opening required on all covers.
2. Preformed box walls may be either flared or vertical. The bottom of boxes shall be open to below.
3. If an extension is used with a preformed box, the lip of the extension may be interior or external. The extension shall be compatible and from the same manufacturer.
4. A Class 3 Pull Box shall be installed adjacent to each controller.