GENERAL NOTES

1. All grounding system connections shall be weatherproofed. This includes all cables, ground electrode and arrays. Do not exothermically bond ground electrode to grounding electrode. Method of Measurement and Basis of Payment as per Section 620 of the Standard Specifications.

2. The contractor shall be responsible for contacting all utility companies prior to any underground work. The utility company will locate and identify their facilities.

3. Contractor shall determine the service required date for the power company transformer installation in the pre-construction conference.

4. The power company reserves the right to install the riser, switch gear and weatherhead on power company poles at the expense of the contractor. Contact the power company for cost or for authorization for an alternate procedure.

5. Any damaged portions of galvanized steel poles and bracket arms shall be painted in accordance with Section 562 of the Standard Specifications.

6. Before final acceptance, contractor shall provide 2 sets of full size as built plans to the maintaining agency.

7. Conduit routing shall be pole to pole, maintaining pole setback distance from edge of pavement. Any cable routing in locations where guardrail is proposed shall be 2' in front of the standard guardrail position.

8. Pole positions and conduit routing may be adjusted, as approved by the Engineer, to prevent conflicts with utility and drainage structures not indicated, and prevent guardrail post conflicts with underground lighting circuits.

9. Where guardrail is constructed, the poles shall be placed a minimum of 4' behind the face of the guardrail.

10. Install pole foundations in accordance with Section 715 of the Standard Specifications. Where guardrail is constructed, the poles shall be placed a minimum of 4' behind the face of the guardrail.

11. All splices shall be made in pull boxes or the pole base. No splices shall be made inside the conduit. The wires at pull boxes shall have sufficient length to completely remove connectors to the outside of pull boxes remove connectors to the outside of pull boxes to make connectors accessible for changing fuses and trouble shooting the system.

12. Neutral wires to have white insulation. Do not use white or green insulated wires for ungrounded conductors.

13. All exposed or surfaced mounted conduit shall be rigid or intermediate metal. These exposed runs of conduit shall be provided with either expansion joints or flexible metal conduit sections adequate to take care of vibrations and thermal expansions. All metal conduit shall be hot-dipped galvanized.

14. All conduit that will remain empty as spares shall be mandrel tested, cleaned inside and both ends capped. Leave the corrosion resistant pull/drag wire and place pull boxes to mark the location of the ends of the conduits.

15. Pull boxes shall be located at ends of conduit crossing roadways, and as necessary for the completion of the project.

16. These plans represent minimum acceptable criteria. The inspection per these drawings represent the minimum base of acceptance.

17. All material, unless otherwise specified, shall be Underwriters Laboratory approved.

18. A pull box shall be installed at each pole location. Pull boxes should be located 2' max from pole unless otherwise directed by the project engineer. Metal pull box covers shall be grounded. See General Requirements Section 633-3 of the Standard Specifications for Road and Bridge Construction.

19. At all pull boxes and pole bases, ends of conduit shall be sealed in accordance with Section 630 of the Standard Specifications for Road and Bridge Construction.

20. All conduit heights are ± 2'-6" unless otherwise noted in plans.

21. A handhole cover is required in all poles. Handhole cover should be located opposite approaching traffic with cover fastened with Stainless Steel Screws. The handhole should be at least 20 square inches.

22. The luminaires and arm on joint use poles shall be grounded.