1. DO NOT INSTALL THIS BOX IN THE TRAVEL WAY AND SHOULDERS.

2. Clear opening top & bottom.

3. Ensure all hardware is stainless steel.

4. Factory assemble the junction box and use silicon caulking for all flange joints.

5. As a minimum, design the box assembly for Tier 22 loading as specified in ANSI/SCTE 77 2002 "Specification for Underground Enclosure Integrity".

6. Ensure the cover surface is skid resistant with a coefficient of friction of at least 0.5.

7. Permanently mold identification of the cover on the top surface with "N.J. D.O.T. Fiber".

8. Design the junction box with a minimum safety factor of 2.0 for wheel loads.

9. Design the junction box made of fiber or concrete for impact administration with a C-TUP according to ASTM D-2444.

10. Ensure the materials utilized in the manufacture of junction boxes and covers are resistant to chemicals commonly found in the soil or in the operating environment, and they are also resistant to sunlight, UV and any climatic conditions in accordance with ASTM G53, -40°F to +140°F. Determine chemical resistance properties using ASTM D543 and ASTM D570 for water absorption.

11. Ensure the materials are resistant to direct flame and heat in accordance with ASTM D635.

12. Set the top of the polymer concrete cover flush with the top of the junction box at grade.

13. Limit the gap from the edge of the cover to the inside edge of the box to a maximum of ±1/2".

14. As an alternate, a single section or two section junction box may be supplied.

15. Vibrate and compact soil thoroughly around entire JB up to grade per section.

16. Provide and install compacted 3/4" gravel or broken stone.

17. Terminate rigid non-metallic conduits with bell end flush with the inside wall of the junction box.

18. Terminate flexible non-metallic conduit in accordance with the contract documents.

19. Provide and install concrete collar around the top of the junction box of class "C".

20. Field drill all conduit entrances into the junction box with a hole saw, or punch out using a hydraulic hole punch, unless otherwise directed by the RE.

21. Punch out entrances with an epoxy or silicon caulking.

22. Ensure conduits enter into the junction box perpendicular to walls or as shown.

23. Install a concrete collar around the top of the junction box of class "C".

24. Provide and install protective cover with the bolt assembly.

25. Provide and install lifting eyes on junction box.

26. Provide certification by a professional engineer and include test results showing that the junction box and cover design meets the loading requirement.

27. Fasten each cable bracket with a 1/2" dia. x 1" long bolt and (1) hex nut, (2) flat washer, (3) lock nut and (4) "nylock" style lock nut.

28. Provide and install protective cover with the bolt assembly.

29. Provide and install protective cover with the bolt assembly.

30. Provide and install protective cover with the bolt assembly.