**Design Data**

1. Use coated deformed carbon reinforcing steel bars conforming to AASHTO M 264 or M 111 and M 116 grade 60 respectively.
2. Provide 3/4 inch concrete cover to reinforcing steel.
3. Use class AA (AE) concrete.
4. Use type II cement (low alkali).
5. Provide 2 inch concrete cover to reinforcing steel.
6. See roadway plans for number, location and size of pipe(s).
7. Provide 3/4 inch chamfer on all exposed concrete corners.
8. Use seal around pipe or use approved pipe boot.
9. Center pipe in box opening. Use approved non-shrink grout to seal opening around pipe.
10. Provide pipe manufacturer's pipe boot.
11. Size box height to meet minimum cover for pipe used. See std dwg DG 4.

**Notes**

1. Use standard drawing and specifications as noted on the plans.
2. Provide 3/4 inch concrete cover to grading grout.
3. Use approved pipe manufacturer's pipe boot.
4. Use standard drawing and specifications as noted on the plans.
5. Provide 3/4 inch concrete cover to grading grout.
6. Use approved pipe manufacturer's pipe boot.
7. Use standard drawing and specifications as noted on the plans.
8. Provide 3/4 inch concrete cover to grading grout.
9. Use approved pipe manufacturer's pipe boot.
10. Use standard drawing and specifications as noted on the plans.

**Technical Details**

- **Structural Concrete:**
  - F\(c\) = 4,000 psi; \(f_y\) = 60,000 psi

- **Structural Steel:**
  - F\(y\) = 36,000 psi