

- 1. All storm drain construction shall comply with the City of Orange Standard Plans and Specifications.
- 2. No concrete shall be placed until the forms and reinforcing steel has been placed, inspected and approved.
- 3. Adjust all manholes to grade after placing final lift of asphalt.
- 4. Transverse reinforcements and traverse joints shall be placed at right angles (or radial) to conduit centerline except as otherwise shown on the drawings.
- 5. All concrete shall be Portland cement concrete with an ultimate 28 day compressive strength of 3000 psi.
- 6. All exposed edges shall be finished with a  $\frac{3}{4}$ " chamfer.
- 7. All steel adjacent to the face of concrete shall have a 2-1/2" clearance unless otherwise specified.
- 8. Reinforcement shall be deformed bars of intermediate grade steel as per ASTM A 615.
- 9. All bar bends and hooks shall conform to the American Concrete Institute "Manual of Standard Practice."
- 10. The contractor shall check the flow line elevation of existing juncture against control provided prior to construction. If the existing flow line varies from the plan elevation by more than +0.10' the engineer shall adjust the grades between the juncture and the next upstream manhole, with the approval of the City Engineer.