**LEGEND**

1. 48" I.D. Manhole Shaft Per MAG Std. Detail 420, Type "B" Top (Without Manhole Steps)
2. 32" Hinged Manhole Frame & Cover Per COS Specifications Section 610.8
3. Grouted Adjusting Rings
4. Not Used
5. Operator Nut
6. Wall Bracket
7. Packing Gland
8. 6" Extension
9. #4 Rebar 12" On Center Each Way 2" Clear Typical
10. Butterfly Valve
11. 3" Diameter Drain
12. 8 Cu. Ft. Gravel Sump
13. Adjustable Pipe Saddle Support
14. Rectangular Cut-Out In Manhole Shaft, Fill Space Between Shaft And Pipe With 1" Sheet Foam, Brick And Mortar

**SECTION**

- 6" Min. Clearance Between Wall And Operator Nut
- 2' Varies
- 3' - 3"