



**FLOW SHEET
SHANNOPIN PREPARATION PLANT
NORMAL OPERATION
8-3-87**

- REVISED 8-5-87
- REVISED 8-11-87
- REVISED 8-19-87
- REVISED 8-25-87
- REVISED 8-27-87
- REVISED 8-31-87
- REVISED 3-5-88
- REVISED 4-21-88
- REVISED 5-18-88
- Revisions Added 7/15/88

10" x 8" WARMAN PUMP - 3500 GPM, 79" TDH - 700 RPM - 96HP, 100 HP MOTOR, HEAD TANK PUMP, 6.75" DRIVE, 5V-BELT

6" x 4" WARMAN PUMP - 500 GPM - 1100 RPM, 1.97" TDH - 21 HP, 13.2" DRIVE, 9.25" DRIVE, 1.21 RATIO

8" x 6" WARMAN PUMP - 1100 GPM - 39 TDH - 18 HP, 40 HP MOTOR, 30.5" DRIVEN - 9" DRIVE, 3.39 RATIO

500 GPM - 1300 RPM, 140" TDH - 35 HP, 40 HP MOTOR, PLANT BLEED PUMP, 13.25" DRIVEN, 9" DRIVE, 1.35 RATIO

1200 GPM - 930 RPM, 140" TDH - 17 HP, 15 HP MOTOR, 30.5" DRIVEN - 10.25" DRIVE, 1.86 RATIO

8" x 6" WARMAN PUMP - 1160 GPM, 740 RPM, 82" TDH - 47HP, 75 HP-MOTOR, POND CLASSIFYING CYCLONE FEED PUMP, 30.5" DRIVEN - 13" DRIVE, 2.35 RATIO

4-12-89 Revised