



**PLAN  
NO SCALE**

**SECTION  
NO SCALE**

1. CLOSE-COUPLED END SUCTION CENTRIFUGAL PUMP, CAST IRON BRONZE FITTED, BACK PULLOUT DESIGN, MECHANICAL SEAL, ODP MOTOR WITH A VARIABLE FREQUENCY DRIVE SYSTEM
2. NEMA 4 ENCLOSED CONTROL PANEL, WITH CIRCUIT BREAKER, MAGNETIC STARTER, HOA SWITCH, AND COMPONENTS FOR AUTOMATIC BOOSTER PUMP CONTROL
3. MARINE GRADE ALUMINUM ENCLOSURE / HINGED DESIGN WITH VENTING
4. CAST IRON ELASTOMER LINED FULL LUG WAFER STYLE BUTTERFLY VALVE
5. PRESSURE GAUGE, 2 1/4" DIA. LIQUID FILLED, STAINLESS CASE, 0-200 P.S.I.
6. FLOW SWITCH, BRONZE, PADDLE STYLE NON-ADJUSTABLE, 100 P.S.I. RATED (OPTIONAL)
7. TYPE "L" COPPER (SIZE VARIES)
8. 150 POUND ANSI RATED BRASS OUTPUT FLANGE
9. FABRICATED STRUCTURAL ALUMINUM BASE PLATE
10. 6-INCH CONCRETE PAD, ASTM C-94, ACI STD. 318-83 DESIGN MIX, 2500 P.S.I RATED
11. DOUBLE P.V.C. TAPE WRAPPED BRASS PIPE AND ELL
12. P.V.C. SCH. 80 BRASS COMPANION FLANGE CONNECTION
13. CONCRETE THRUST BLOCK 4 CU. FT. MINIMUM
14. MAIN POWER CONDUIT
15. IRRIGATION CONTROLLER SIGNAL CONDUIT
16. CIBF DIAPHRAGM ACTUATED PRESSURE REGULATING VALVE - SEE SPECIFICATIONS
17. FINISH GRADE
18. BRASS ELL

NOTES:  
A. ALL CONDUIT SHALL BE ROUTED THROUGH CONCRETE PAD TO INTERIOR OF PUMP ENCLOSURE.

APPROVED BY:

4/24/15  
DATE

DIRECTOR OF PUBLIC WORKS  
JONATHAN GEORGE SMITH



**CITY OF MENIFEE**

**BOOSTER PUMP**

REVISION	BY:	APPROVED	DATE