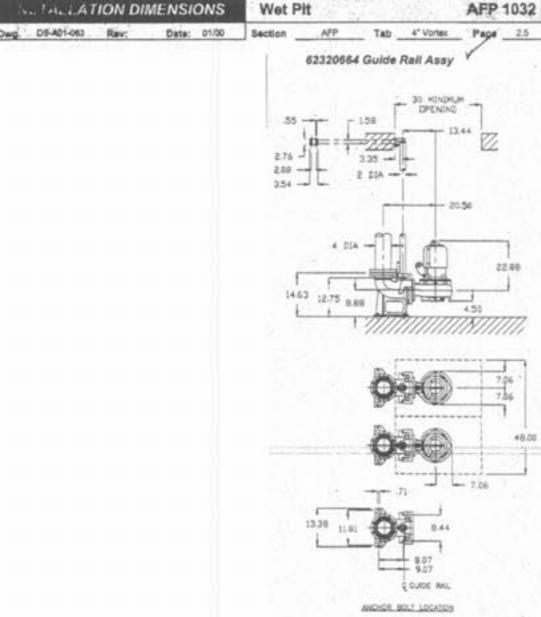


ELECTRICAL PAWEL NO SCREE

1. UNISTRUT FRAME 2. NEMA 4X PUMP CONTROL PANEL . NEMA 4X JUNCTION BOX WITH TERMINAL 4. DISCONNECT SWITCH 5. METER BASE



TYPICAL DRAWING ONLY, NOT FOR CONSTRUCTION PURPOSES. CONTACT FACTORY FOR CERTIFIED DRAWINGS. ABS Specifications subject to change without notice

THRUST ANCHORAGE DATA 6" CONCRETE CAP REQUIRED AFTER INSTALLATION — - FORCE MAIN CONCRETE BLOCK -1. 2'-6" WIDE ... 8 * 3 x PIPE DIAMETER IMIN.) 4', DIA. ANCHOR ROD C . LENGTH OF THRUST BLOCK D + DIAMETER OF PIPE (MIN.) NOTE: COVER EXPOSED PORTION OF ANCHOR RODS WITH ONE COAT OF TYPE SO BITUMWIOUS COATING. CLASS A CONCRETE VERTICAL, THRUST BLOCK DETAIL NO SCALE

A . THRUST ANCHORAGE AREA (BAC) HORIZONTAL THRUST BLOCK DETAIL NO SCALE

TYPICAL THRUST BLOCK DIMENSIONS (MIN)

NOTES:

PRECAST 72" I.D. MANHOLES TO BE USED FOR PUMP STATION AND VALVE BOX AS APPROVED BY ENGINEER.

2. PRECAST WET WELL ENTRANCE STEPS SHALL BE COPOLYMER POLYPROPY-LINE PLASTIC TYPE MANHOLE STEPS.

3. STEPS SHALL NOT BE PLACED IN FRONT OF INCOMING GRAVITY LINES OR LOCATED UNDER OR NEXT TO ANY OBSTRUCTIONS.

4. THE STEPS SHOULD PROVIDE A CLEAR-IN-LINE VISIBLE UNOBSTRUCTED ACCESS FROM THE TOP OF THE CHAMBER TO THE BOTTOM OF THE STATION AND BE PLACED ON ONE OF THE STATION SIDEWALLS APPROXIMATELY CENTERED WITH THE HATCH COVER.

5. ALL PIPES MUST ENTER THE STRUCTURE WALLS WITH A ONE (1) FOOT MINIMUM DISTANCE FROM THE CENTERLINE OF THE PIPE TO THE FACE OF THE ADJOINING WALL TO ALLOW PROPER PIPE GASKET PLACEMENT.

6. FORCE MAIN TO BE 4" DIA. SDR-21 PVC WITH SLIP JOINTS.

7. AIR RELIEF VALVE - AN AUTOMATIC COMBINATION VACUUM AIR RELIEF VALVE SHALL BE PLACED AT HIGH POINTS IN THE FORCE MAIN TO PREVENT AIR

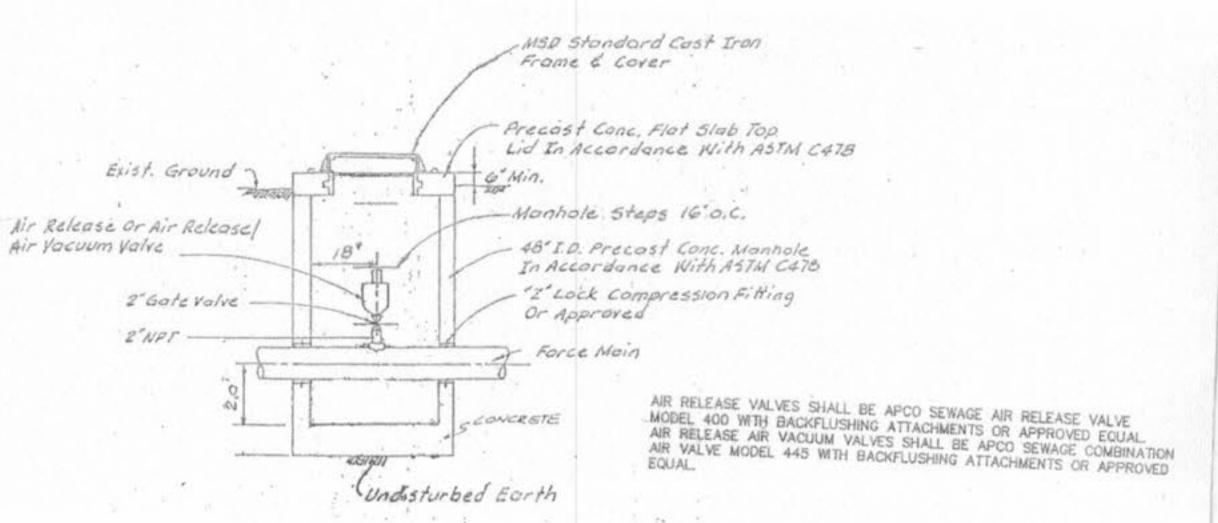
8. THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS (VERTICAL AND HORIZONTAL) AND ANY TERMINATION POINT.

9. ALL PUMP STATION EQUIPMENT AND INSTALLATION SHALL BE COORDINATED WITH PUMP MANUFACTURER FOR COMPLETENESS AND COMPATIBILITY.

10. THE PUMP STATION SHALL BE AN ABS MODEL AFP1032 M70/4 OR APPROVED EQUAL AS DIRECTED BY WATER DISTRICT #2, ST. CHARLES COUNTY, MISSOURI, INCLUDING ALL FITTINGS AND SUPPORT EQUIPMENT.

11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DEPARTMENT OF NATURAL RESOURCES AND WATER DISTRICT #2, ST. CHARLES COUNTY STANDARDS AND SPECIFICATIONS WHICHEVER IS GREATER.

12. ON PRECAST STATIONS GRAVITY LINES MUST HAVE THEIR ANGLES OF ENTRY INCLUDED ON THE STRUCTURE PLANS AT THEIR POINTS OF ENTRY TO THE STRUCTURE. THE MAXIMUM ANGLE OF DEFLECTION ALLOWED FOR PIPE GASKET TO BE "Z-LOCK" = 25 DEGREE AND "A-LOCK" @ 7 DEGREE.



AIR RELEASE/AIR VACUUM VALVES AND VALVE VAULT No Scale

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO ACT, CHAPTER 319, RSMo

BASE MAP

CHAS 1ARC DDI XA

SHEET DIGITAL FILE LOCATION SERVER-STERLING-2