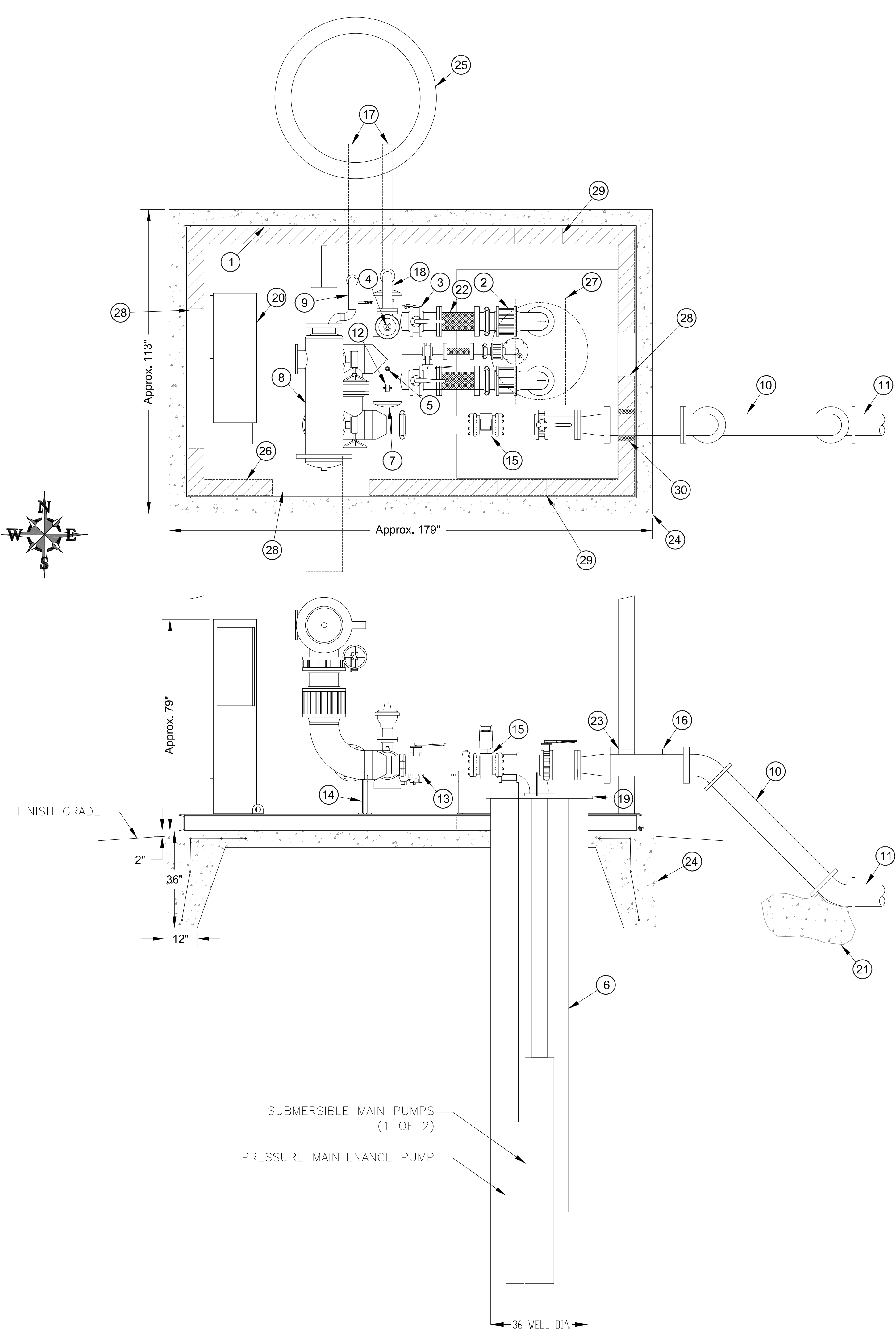


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



- EQUIPMENT LIST**
- 1. PREFABRICATED SKID MOUNTED VARIABLE SPEED PUMPING SYSTEM, VALVES, FLOW METER AND AUTOMATIC BACKWASH FILTER AND PIPING AS REQUIRED
 - 2. WAFER TYPE CHECK VALVE (TYPICAL 1 OF 4), MATCH PIPE SIZE
 - 3. BUTTERFLY VALVE (TYPICAL 1 OF 6), MATCH PIPE SIZE
 - 4. PRESSURE RELIEF VALVE WITH DISCHARGE PIPE
 - 5. AIR RELEASE VALVE
 - 6. WATER LEVEL PROBES
 - 7. DISCHARGE MANIFOLD
 - 8. AUTOMATED FILTER ASSEMBLY WITH 300 MICRON SCREEN
 - 9. 3-INCH SCH 40 STEEL FILTER FLUSH PIPE W/NECESSARY FITTINGS AND PIPE SUPPORTS.
 - 10. 10-INCH PAINTED STEEL DISCHARGE Z-PIPE, PAINT PIPE COLOR SPECIFIED BY THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE OUTSIDE BUILDING. USE COAL TAR EPOXY OR MASTIC WRAP ON PIPE BELOW GRADE
 - 11. HDPE PIPE TO IRRIGATION SYSTEM
 - 12. LIQUID FILLED 2.5-INCH 150 P.S.I. PRESSURE GAUGE (1 OF 2)
 - 13. DRAIN VALVE
 - 14. ADJUSTABLE STEEL PIPE SUPPORTS (TYPICAL, AS REQUIRED)
 - 15. MAGNETIC FLOW METER
 - 16. WINTERIZATION CONNECTION: 2-INCH THREAD-O-LET WITH THREADED STEEL PLUG
 - 17. 3-INCH PVC PIPE 12-INCHES BELOW GRADE
 - 18. 3-INCH STEEL SCH 40 PIPE FROM PRESSURE RELIEF VALVE TO SUMP WITH NECESSARY FITTINGS AND PIPE SUPPORTS
 - 19. WELL CAP
 - 20. ELECTRICAL STARTER, TIMERS, AND CONTROL PANELS FOR IRRIGATION PUMPS, AND STATION HEATER.
 - 21. THRUST BLOCK AGAINST UNDISTURBED SOIL: SEE THRUST BLOCK DETAIL
 - 22. METRAFLEX STAINLESS STEEL FLEX ADAPTER OR EQUAL, 12-INCH LENGTH
 - 23. GROUT AND SEAL ALL PENETRATIONS (TYP).
 - 24. CONCRETE FLOOR AND FOOTING, 6-INCH THICK, 6-INCH SLUMP, #4 REBAR ON 12-INCH GRID
 - 25. DRY WELL, SEE DETAIL SHEET I-4
 - 26. PREFABRICATED WOOD FRAME OR EXPOSED AGGREGATE ENCLOSURE. PROVIDE ACCESS DOORS FOR PUMP CONTROL PANEL AND FILTER ACCESS. PROVIDE SKYLIGHT FOR REMOVAL OF SUBMERSIBLE PUMPS. PAINT EXTERIOR WHITE. PROVIDE TWO LOUVERS FOR AIR CIRCULATION.
 - 27. ACCESS HATCH OR SKYLIGHT FOR PUMP ACCESS
 - 28. ACCESS DOOR (1 OF 3) SEE ENCLOSURE DETAIL SHEET I-3
 - 29. LOUVERS (1 OF 2) SEE ENCLOSURE DETAIL SHEET I-3
 - 30. SEAL WALL PENETRATIONS AGAINST WATER AND INSECTS

1 PUMP STATION DETAIL

N.T.S.

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Revisions:		Date:		Approved Project Director		Location Las Animas, Colorado		Drawing Number I-5 Sheet # 6 of 7		Department of Veterans Affairs			
Date:		Date:		Date:		Date:		Date:		Date:			