GENERAL NOTES

1. MINIMUM SUMP INTERIOR DIMENSIONS OF 3' X 3' X 30", OR 30" X 3' X 3'.

2. HIGH TEMPERATURE (200°F) RATED PUMP (CONTINUOUS SUBMERGENCE) AND HARD-WIRED HIGH TEMPERATURE (200°F) FLOAT. NO CONTROL PANELS, EVEN FOR DUPLEX PUMPS.

PIPE TO LEAVE VAULT/TUNNEL AND RUN MINIMUM 36" UNDERGROUND (FROST HEAVES) UNTIL IN CLOSE PROXIMITY OF DISCHARGE POINT

SIZE PIPING FOR 50% SAFETY MARGIN ON FRICTION HEAD LOSES, NO MARGIN ON STATIC ELEVATION HEAD, ONLY ONE PUMP OPERATING AT A TIME (BUT BOTH PUMPS COULD OPERATE AT SAME TIME). PUMP MINIMUM GPM TO BE 25 GPM AT DESIGN HEAD (SINGLE PUMP OPERATING).

STAINLESS STEEL BASIN OR FORMED CONCRETE

PLACE PUMPS ON TOP OF 8" CINDER BLOCK, OR INSIDE 12" TALL STAINLESS STEEL BASKET, WITH 3/16" DIA.PERFORATED HOLES (U.S. PLASTIC CORP., 12 X 12 STAINLESS DIPPING BASKETS).

STAINLESS STEEL WORM-GEAR CLAMP, OR MULTIPLE ZIPTIES (TYP). FLOATS TO BE SET 2-3" DIFFERENT IN ELEVATION

UNION (TYP)

WELDED-ON RING (FOR CAST-IN PLACE SUMPS)

STAINLESS STEEL BASIN OR FORMED CONCRETE

MINIMUM SLOPE OF 1/2" PER FOOT

DRAIN, 1/2" BALL VALVE WITH THREADED CAP

1/2" MESH GRATING, REMOVABLE WITHOUT DISASSEMBLING PIPING, TRIM CRATE AS NECESSARY TO ALLOW PERSON TO REACH DOWN TO MANUALLY OPERATE PUMP SWITCH (TYP).

2 LAYERS OF NON-UNDERLAPPING RIDgid BOARD INSULATION (AS DICTATED ON A PROJECT BY PROJECT BASIS)

30" DEEP SUMP PUMP

30" DEEP