**HORIZONTAL SUCTION PIPING DETAIL**

**NOTES FOR DESIGNER:**

1. **SEE SHEET 7**
2. STANDARD RIGHT HAND ROTATION (CCW) PUMP SHOWN.

**SPECIAL STANDARDS:**

- **MECHANICAL**
  - **HORIZONTAL SPLIT CASE, DOUBLE SUCTION PUMP PIPING DETAIL**
  - **NOT FOR CONSTRUCTION**
  - **DISCIPLINE POC: GURINDER GREWAL**
  - **STANDARDS MANAGER: TOBIN ORUCH**
  - **DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. DELETE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE.**

**DRAWING INFORMATION:**

- **DRAWING NO:**
- **DATE:**
- **ENGINEERING STANDARDS**
- **00% REVIEW:**
- **FORMAT & SHEET NUMBER WAS 3 OF 8.**

**DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. DELETE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE.**

**SCALE:**

- **NONE**

**SHUT-OFF VALVE**

- MAXIMUM 6'-0" (TYP)

**NON-SLAM CHECK VALVE**

- FLEXIBLE CONNECTOR (TYP)

**LEVEL PUMP AND FILL BASEPLATE WITH NON-SHRINK GROUT**

**LONG RADIUS ELBOW**

- **CONCENTRIC REDUCER (TYP)**

**MINIMUM 5 STRAIGHT PIPE DIAMETERS OR INSTALL SUCTION DIFFUSER**

**LONG RADIUS ELBOW**

- **ADJUSTABLE PIPE SUPPORT (TYP)**

**PUMP WITH COUPLING GUARD**

- **PRESSURE GAUGE (TYP)**

**STRAINER WITH BLOW-OFF VALVE**

- **3/4" DRAIN VALVE**

**SECONDARY OUTLET**

- **LONG RADIUS ELBOW**

**ADJUSTABLE PIPE SUPPORT (TYP)**

- **CONCENTRIC REDUCER (TYP)**

**SECURE PUMP TO CONCRETE PAD WITH CONCRETE ANCHORS SIZE AND QUANTITY AS RECOMMENDED BY LONG RADIUS ELBOW**

**LEVEL PUMP AND FILL BASEPLATE WITH NON-SHRINK GROUT**