

KEYNOTES:

- ① PRECAST CONCRETE TOP SLAB SUITABLE FOR HS25 WHEEL LOADING. PUMP HATCH TO BE CAST INTEGRAL WITH COVER. CONTRACTOR SHALL COORDINATE HATCH LOCATION.
- ② ADDITIONAL 8" BARS – GRADE 60 REINFORCEMENT STEEL BOTTOM EACH SIDE. 2" CLEAR COVER MIN.
- ③ ALUMINUM HATCH SUITABLE FOR H20 WHEEL LOADING. CONTRACTOR SHALL PROVIDE FOUR (4) STAINLESS STEEL "J" HOOKS FOR HOLDING PUMP AND CONTROL CABLES. SIZE APPROPRIATELY FOR PUMP SELECTION.
- ④ 4" SCH 80 PVC VENT PIPE. PROVIDE CONNECTION TO STEEL VENT PIPE AT VENT PIPE LOCATION. LOCATE VENT PIPE PER SITE CONDITIONS. SEE DETAIL F/SD/4 OR E/SD/4 IF PIPE CAST IN TOP SLAB.
- ⑤ ADDITIONAL #6 BARS WITH 180° HOOKS – GRADE 60 REINFORCEMENT STEEL TOP AND BOTTOM EACH CORNER. 2" CLEAR COVER MIN.
- ⑥ ALUMINUM TOP HATCH SUITABLE FOR H20 WHEEL LOADING. SIZE APPROPRIATELY FOR DISCHARGE PIPING
- ⑦ PRECAST CONCRETE TOP SLAB SUITABLE FOR HS25 WHEEL LOADING. HATCH SHALL BE CAST INTEGRAL WITH TOP SLAB AND CENTERED
- ⑧ DIP INLET PIPE (LOCATE PER SITE CONDITIONS)
- ⑨ FLYGT PUMPS AND DISCHARGE ELBOWS (FURNISHED BY OWNER INSTALLED BY CONTRACTOR)
- ⑩ PIPE OPENING FOR CONDUITS AND PIPING (TYP). SEE DETAIL D/SD/4
- ⑪ 3" MJ GATE VALVE FOR 3" DIP DRAIN PIPING. PROVIDE OPERATOR EXTENSION
- ⑫ MANHOLE MEETING ASTM C478 (MINIMUM 72" DIAMETER)
- ⑬ DIP MJ 45° ELBOW
- ⑭ DIP FL 90° ELBOW
- ⑮ DIP MJ DISCHARGE PIPING
- ⑯ FLANGE COUPLING ADAPTOR
- ⑰ SWING CHECK VALVE
- ⑱ 9" LONG (MIN) – DIP FL SPOOL
- ⑲ GATE VALVE WITH HANDWHEEL OPERATOR
- ⑳ DIP MJ WYE
- ㉑ ELECTRICAL CONDUITS (LOCATE PER SITE CONDITIONS)
- ㉒ FLOOR DRAIN (ZURN MODEL Z453 OR EQUAL). SLOPE GROUT TO FLOOR DRAIN. SLOPE DRAIN PIPING TO WET WELL.
- ㉓ DIP OR C909 PVC FORCEMAIN PIPING
- ㉔ GROUT CIRCLE PER PUMP MANUFACTURER'S RECOMMENDATIONS
- ㉕ PRECAST MANHOLE MEETING ASTM C478 (72" DIA. MINIMUM)

GENERAL NOTES:

- ALL ANCHOR BOLTS AND FASTENERS SHALL BE STAINLESS STEEL.
- ALL PIPING AND PIPE JOINTS SHALL BE PROPERLY RESTRAINED TO PREVENT EXCESS MOVEMENT IN ANY DIRECTION DURING OPERATION AND TESTING. PIPE SUPPORTS SHALL BE LOCATED IN FIELD.
- PAINT ALL EXPOSED DIP PIPING WITH TWO COATS OF BITUMASTIC PAINT.
- PROVIDE EXTERNAL JOINT SEAL, INFRASHIELD OR EQUAL, ON ALL MANHOLE SECTION JOINTS.
- PLUG ALL LIFTING HOLES WITH NON SHRINK GROUT AND COVER WITH A PIECE OF EXTERNAL JOINT SEAL, INFRARED OR EQUAL.
- LOCATE INLET PIPE(S), VENT PIPE, AND ELECTRICAL CONDUITS AS REQUIRED PER SITE CONDITIONS.
- SIZE DISCHARGE PIPING AND FITTINGS ACCORDINGLY PER LIFT STATION FLOW CONDITIONS.
- SIZE WET WELL PER LIFT STATION FLOW CONDITIONS (MINIMUM 72" DIAMETER).
- DRAWING PROVIDED FOR GENERAL LIFT STATION LAYOUT AND COMPONENTS. ADDITIONAL DESIGN CONSIDERATIONS MAY BE REQUIRED FOR VARIED SITE CONDITIONS.



NON-GRINDER LIFT
STATION PLAN VIEW
NOTES

PLATE NO. LV-SS-12B

DATE 02/2024