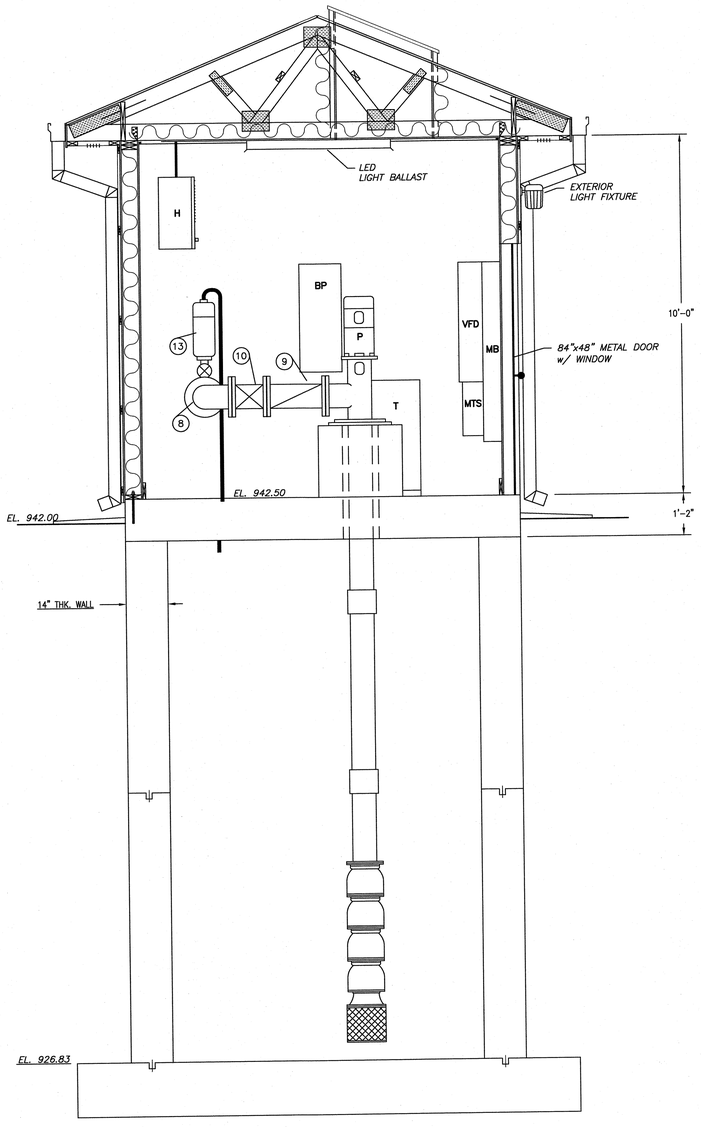
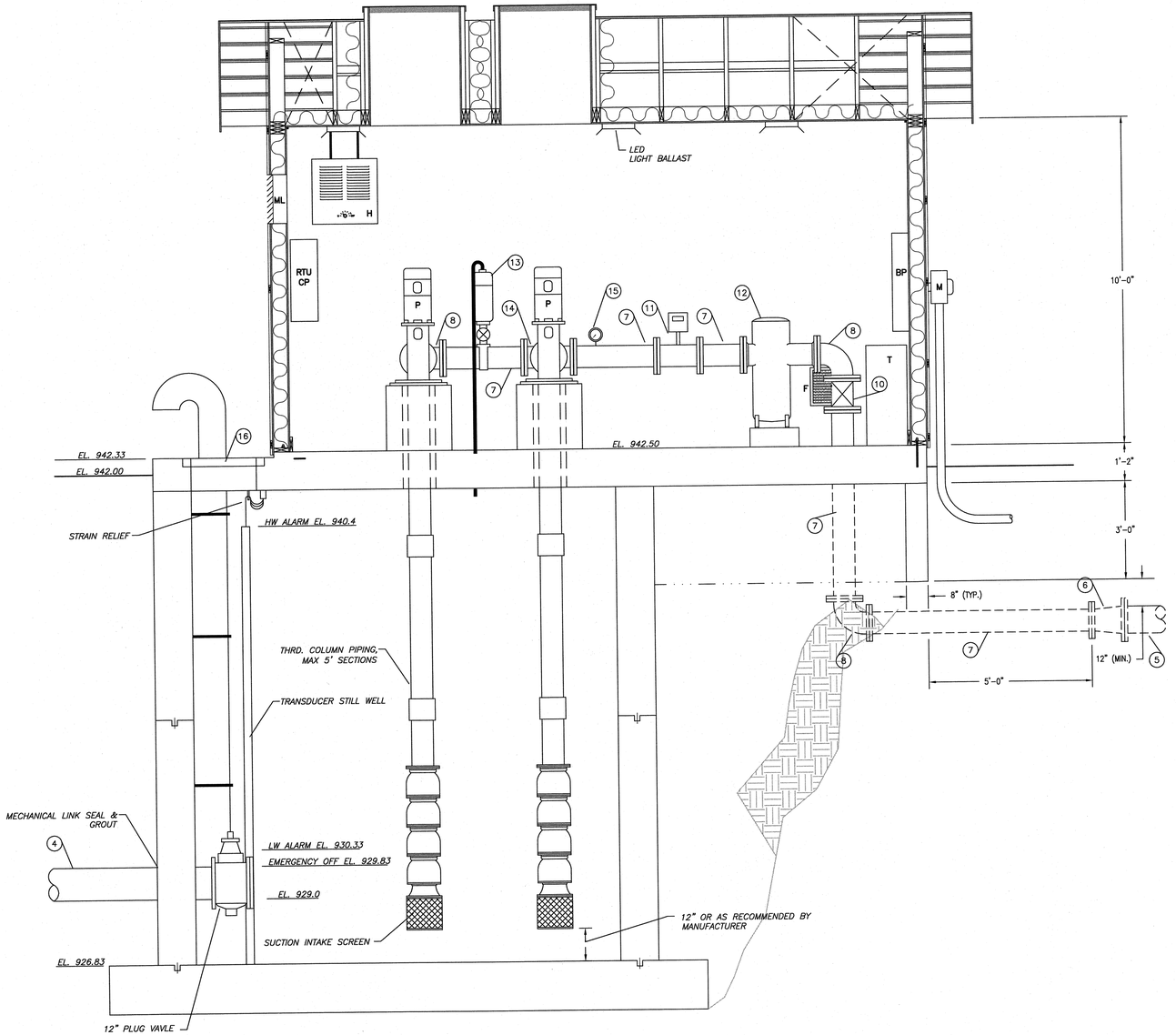
| MECHANICAL AND ELECTRICAL LEGEND | |
|---|---|
| ITEM | DESCRIPTION |
| MTS | MANUAL TRANSFER SWITCH |
| M | METER & METER BASE |
| SED | SERVICE ENTRANCE DISCONNECT |
| MB | MAIN BREAKER |
| VFD/CP | VARIABLE FREQUENCY DRIVE/CONTROL PANEL |
| RTU | REMOTE TELEMETRY UNIT (SCADA) |
| T | STEP DOWN TRANSFORMER (3ø TO 1ø) |
| BP | 1ø, 120/208v. BREAKER PANEL |
| P | IRRIGATION PUMP |
| FM | FLOW METER JUNCTION BOX |
| FL | EMERGENCY FLOAT JUNCTION BOX |
| H | CEILING HUNG HEATER |
| F | EXHAUST FAN WITH INSECT SCREEN (18 MESH) |
| ML | MOTORIZED LOUVER WITH INSECT SCREEN (18 MESH) |
| $ | SWITCH |
| | RECEPTACLE |
| | EXTERIOR LIGHT |
| | INTERIOR FLUORESCENT LIGHT BALLAST |

| STRUCTURE AND PIPING LEGEND | | |
|---|---|---|
| ITEM | DESCRIPTION | SIZE |
| 1 | CONCRETE WET WELL (I.D.) | 13'-0"x8'-0" |
| 2 | 6"ø FLOOR SLEEVE w/PVC CAP | 6"ø x 1'-2" |
| 3 | PUMP STATION BUILDING (O.S. STUDS) | 20'-0"x10-4" |
| 4 | DUCTILE IRON PIPE | 12" |
| 5 | DUCTILE IRON PIPE | 10" |
| 6 | DUCTILE IRON PIPE REDUCER | 10"x8" |
| 7 | DUCTILE IRON PIPE | 8" |
| 8 | 90° ELBOW | 8" |
| 9 | CHECK VALVE | 8" |
| 10 | PLUG VALVE | 8" |
| 11 | FLOW METER | 8" |
| 12 | BASKET STRAINER | 8" |
| 13 | AIR RELEASE -COPPER TUBING & BALL VALVE | 1" |
| 14 | TEE | 8"x8"x8" |
| 15 | PRESSURE GAUGE w/SNUBBER | 0-200 PSI |
| 16 | ALUMINUM ACCESS HATCH | 24" x 36" |

*PUMP STATION NOTES:*
1. *CONTRACTOR SHALL SET THE ELEVATION OF THE SUMP TO THE REQUIREMENTS OF THE PUMP MANUFACTURER.*
2. *NUMBER OF PUMP BOWLS MAY VARY BASED ON RECOMMENDATIONS OF THE PUMP MANUFACTURER.*
3. *PROVIDE SUPPORTS FOR THE PUMP AND SHAFT RECOMMENDED BY PUMP MANUFACTURER.*
4. *ALL UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT.*




ELEVATION VIEW A-A




ELEVATION VIEW B-B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# PIPING SECTIONS
# CITY OF GILMAN CITY
# WASTEWATER TREATMENT FACILITY

GILMAN CITY, MISSOURI

STATE OF MISSOURI
CARY D. SAYRE
NUMBER E-27574
REGISTERED PROFESSIONAL ENGINEER
11/9/2017

DATE
JULY 2017

REVISED:
11-9-17 10" PVC TO DIP, OPERATING LEVEL

JOB NUMBER
13147.01

SCALE
1/2" = 1'

SHEET
9

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