Domestic Water Booster Pump Schedule TOTAL DYNAMIC INLET / OUTLET MAX CONT OPERATING CAPACITY **DESIGN MAKE** HORSE FULL LOAD HEAD TEMP SIZE RPM **VOLTAGE** PHASE HERTZ NOTES LOCATION LABEL POWER AND MODEL **AMPS** SIGNAGE SECURED TO WALL FEET NPS GPM LABELED "EMERGENCY TANK INLET GRUNDFOS 1, 2 PUMP HOUSE 250 130.0 104 3450 7.5 61.1 208 HYDRO MPC E 3CRE20-03 SLEEVE THRU WALL. SEAL PER SPEC NOTES: 4" SHUTOFF VALVE PACKAGED TRIPLEX BOOSTER PUMP SYSTEM WITH VARIABLE FREQUENCY DRIVES AND DUPLEX CONTROL PANEL MOUNTED ON A SKID. — 4" MPT THRU WALL EACH PUMP SIZED FOR 50% OF TOTAL SYSTEM CAPACITY. WATER SUPPLY TO TANK ----- CAP WITH CHAIN SECURED TO WALL Hydropneumatic Tank Schedule - INDIRECT WASTE — PIPE STAND OFF W/ SPLIT RING PIPE 2 TIMES MAXIMUM TOTAL STORAGE MAXIMUM WATER SERVICE ─ FIN FLOOR 12" x 12" ALUMINUM OR INDIRECT DRAWING ALLOWABLE DIAMETER HEIGHT CONNECTION NOTES LOCATION MAKE AND MODEL NUMBER STAINLESS STEEL PLATE CAPACITY ACCEPTANCE PRESSURE WASTE ID PRESSURE (INCHES) (INCHES) (NPT) (GALLONS) **VOLUME - GALLONS** (PSI) 4" EMERGENCY (PSI) TANK FILL — 39.7 HT-4 PUMP HOUSE JOHN WOOD NO. JAPR 20-605 150 14 55 1/2 1, 2 4" CHECK VALVE -- FLOOR DRAIN ^{_} ANCHOR NOTES: FINISHED GRADE OR FLOOR SINK TO FLOOR REPLACEABLE BUTYL BLADDER (FDA APPROVED). ASME CONSTRUCTION. Water Softener Schedule CAPACITY/ SALT DOSAGE PEAK FLOW RATE (GPM) **INCOMING** CONTINUOUS INCOMING RESIN BACKWASH SOFTENER **EQUIPMENT** WATER **BRINE TANK** TDS (PPM) MODEL NO. FLOW RATE QUANTITY | FLOW RATE | TANK SIZE LOCATION SALT (DUPLEX) HARDNESS MIN BED MAX BED SIZE (DIA x H) (GPM) (CUFT) (GPM) DOSAGE (DIA x H) (GRAINS) (kGr/LB) (kGr/LB) (LBS/CUFT) \ Indirect Waste Air Gap Detail √ Tank Emergency Fill Detail PUMP HOUSE LWTF600-2 102 400,000 600,000 36 x 72 39 x 48 **EXCHANGE** NOTES: DESIGN BASIS: LAKESIDE WATER TREATMENT INC. ELECTRICAL REQUIREMENTS: 24V, 110V, 60HZ OPERATING WATER TEMPERATURE RANGE 34-110 F LIQUID LEVEL CONTROL - 3/4" EMT CONDUIT ELECTRODES & HOUSING -PROVIDE REDUCING Greensand Filter Schedule **BUSHING TO INSTALL** SMALLER DIAMETER MOUNTING THREADS -INCOMING INCOMING WATER IRON (PPM) EQUIPMENT MODEL NO. LOCATION (TRIPLEX) MANGANESE (GPM) (GPM) (DIA x H) (DIA x H) 4" FPT TANK INJ. (GPD MAX) (GPM) TANK) (PPM) (DIA x H) (GPD) (GPD MAX) (GPD) OPENING - CONN INDIRECT WASTE 2 TIMES TO EQUIPMENT INDIRECT WASTE ID PUMP HOUSE MANGANESE GSF-1 LWS-MG-42-3 22 110 23 x 42.5 1.38 23 x 42.5 GREENSAND USE A 6" PIECE OF PIPE AND REDUCER TO CREATE A NOTES: DESIGN BASIS: LAKESIDE WATER TREATMENT INC. ELECTRICAL REQUIREMENTS: 24V, 110V, 60 HZ OPERATING WATER TEMPERATURE RANGE 35-100 F LONG SWEEP EL - PIPE STAND OFF W/ FUNCTION (TANK % FULL) SPLIT RING PIPE CLAMPS (A) WELL PUMP OFF (95%) Domestic Well Pump Schedule (B) LEAD WELL PUMP ON (85%) - LEVEL PRESSURE (C) BOOSTER PUMP RESET (20%) TOTAL DYNAMIC HEAD INLET / OUTLET MAX CONT D LOW WATER ALARM & BOOSTER PUMP CUTOFF (10%) - ANCHOR TO FLOOR OR CAPACITY OPERATING **DESIGN MAKE** HORSE FULL LOAD HOUSEKEEPING PAD TEMP SIZE HERTZ NOTES LOCATION RPM **VOLTAGE** PHASE LABEL POWER AND MODEL NPS GPM FEET EXG HS WELL GRUNDFOS SP 62S-22 500.0 104 3472 460 NOTES: Liquid Level Sensor Detail NTS Indirect Waste Air Gap Detail INSTALL PUMP ON 2" DROP PIPE AND ROUTE WIRING FROM WELL HEAD DOWN CASING TO PUMP. CONNECT WIRING AND DISCHARGE PIPE TO EXISTING SERVICES. Key Plan - INSULATION W/ ALL /— PIPE S.E.D. Control No. 48-01-01-06-7-026-001 SERVICE JACKET (TYP) POWER WIRING 110V, 1PH — BY OTHERS 3/4"CONDUIT W/ 208V, 3PH Rev. No.: Date: Description: CONTROL WIRING DOMESTIC WATER CALCIUM SILICATE PIPE SUPPORT INSULATION SYSTEM CONTROL PANEL Type "A" and "D" Type "C" and "F" LIQUID LEVEL (3) #12, (1) PIPE SIZES 1" TO 12" SIZE PIPE SIZES #12 G IN 1" CONDUIT SENSORS 1" AND SMALLER CONT ON PLANS ----- HIGH-DENSITY FIBERGLASS 4" x 4" NEMA 4X JUNCTION BOX BLOCK SUPPORTS (TYP) -DOMESTIC IN BASEMENT STORAGE TANK CLEAR SOLUTIONS CW REFER - COMPRESSED AIF TO PLANS -QUICK DISCONNECT FOR **PURGING LINES IN** — SEE PLAN FOR Tetra Tech Engineers, Architects SIZING AND ROUTING -WINTER. (ONLY & Landscape Architects, P.C. FOR GROUND HYDRANT RPZ) CHLORINATOR PUMP -BACKFLOW INSULATION W/ ALL - QUAZITE UNDERGROUND PREVENTER SERVICE JACKET (TYP) -EMT CONDUIT — JUNCTION BOX EVERY **TETRA TECH** 200 LF. SIZE PER NEC. SHUT-OFF VALVE (TYP) — Type "B" and "E" Type "B" and "E" Type "B" and "E" **ARCHITECTS & ENGINEERS** PIPE SIZES PIPE SIZES PIPE SIZES SAND TRAP WALL TO DOMESTIC BOOSTER PUMP LOW LEVEL CUTOFF CONTACTS 1-1/4" TO 5" 6" TO 8" 10" TO 12" - CAULK ANNULAR AT BOOSTER PUMP PANEL SPACE WITH NON-PIPE SLEEVE -HARDENING SEALANT VAPOR BARRIER Mahopac Central School District MASTIC AND PVC TAPE — — CENTER 6" DRAIN UNDER DISCHARGE PORT - HANGER SHOWN FOR REFERENCE ONLY STATIC WATER LEVEL Mahopac, NY SHIELD -PIPE SUPPORT INSULATION REDUCER -SHIELD ---INSULATION VAPOR ---- PIPE New: BARRIER LAP SEAL — Mahopac Pump House RUN 2" DRAIN TO FLOOR DRAIN. SEE PLANS SLAB — EQ EQ FLOOR INSULATION W/ ASJ -Details and Schedules ~SAN~ WELL #1 Type "A", "B", "D" and "E" SAND TRAP PIT -— FLOOR DRAIN REFER TO PLANS CALCIUM SILICATE PIPE SUPPORT INSULATION — Drawing Number: Drawn By: DCG/ sef 08/21/20 Domestic Water System Control Type "C" and "F" Insulated Piping Support Assemblies NTS 8 Sand Trap Pipe Sleeve Detail Project No.: RPZ Backflow Preventer Detail Schematic HP500 121111-19002 NTS NTS