

**KEUKA PARK SEWER DISTRICT
TOWN OF JERUSALEM
STANDARDS FOR CONNECTION TO A GRAVITY SANITARY SEWER**

SPEC A

- GRAVITY CONNECTIONS TO A GRAVITY SEWER SHALL BE MADE USING 4" PVC ASTM D 1784 SDR 35 SEWER PIPE, LAID AT A MINIMUM SLOPE OF 1/4" / LF. GRAVITY LATERALS SHALL HAVE A MINIMUM COVER OF 12". LATERALS SHALL BE CAREFULLY BEDDED IN SELECT EARTH OR IMPORTED GRANULAR FILL WITH NO ROCKS IN CONTACT WITH THE LATERAL. CLEAN OUTS SHALL BE PROVIDED. A TRACER WIRE ACCESSIBLE AT THE CLEAN OUT SHALL ALSO BE PROVIDED AND BURIED WITH THE LATERAL.
- WHERE A GRAVITY CONNECTION IS NOT POSSIBLE, A SEWAGE PUMP MAY BE USED HAVING THE CAPABILITY OF PASSING MINIMUM 1 1/2" SOLIDS. OWNER / CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE SEWAGE PUMP HAS SUFFICIENT TDH AND CAPACITY FOR THE APPLICATION. THE OWNER MAY ALSO USE A GRINDER PUMP INSTALLED IN ACCORDANCE WITH APPLICABLE TOWN STANDARDS.
- WHEN AVAILABLE, OWNER SHOULD CONSIDER PROTECTING PUMP WITH AN ELECTRICAL PROTECTION DEVICE FOR LOW VOLTAGE, DRY RUN AND HIGH PRESSURE CONDITIONS.
- PUMP TANK SHALL BE 36" DIAMETER 150 GALLON PRECAST CONCRETE OR A 24" DIAMETER STRUCTURAL FIBERGLASS OR PLASTIC BASIN PROVIDING 48" DEPTH FOR THE DISCHARGE LINE. NON CONCRETE BASINS SHALL BE PROTECTED AGAINST FLOTATION BY APPROPRIATE ANTI-FLOTATION DEVICES.
- CONNECTION TO THE SEWER SHALL BE MADE USING A PROPER WATERTIGHT FITTING INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- TWO CHECK VALVES ARE REQUIRED WITH AT LEAST ONE VERTICAL CHECK VALVE IN THE PUMP TANK.
- A CORROSION RESISTANT SHUT-OFF VALVE SHALL BE INSTALLED IN THE PUMP TANK.
- DISCONNECT FITTING SHALL BE A UNION, COMPRESSION TYPE COUPLING OR PITLESS ADAPTER FOR SEWAGE.
- CURB STOP / CHECK VALVE ASSEMBLY:
 - THE CURB STOP CHECK VALVE ASSEMBLY SHALL BE A FACTORY ASSEMBLED INTEGRAL UNIT AS MANUFACTURED BY THE LATERAL CONNECTION CORPORATION OR APPROVED EQUAL.
 - THE ASSEMBLY SHALL BE COMPLETELY SUPPORTED BY A SOLID CONCRETE BLOCK.
 - THE CURB STOP / CHECK VALVE ASSEMBLY SHALL BE LOCATED AT THE RIGHT OF WAY LINE UNLESS OTHERWISE APPROVED BY DISTRICT PERSONNEL.
 - THE CURB STOP BOX SHALL BE MANUFACTURED OF ABS WITH AN ENLARGED HAUNCH TYPE BASE TO PROTECT THE CURB STOP AND CONNECTIONS FROM ANY DIRECT VERTICAL LOADING. THE BOX SHALL HAVE A 36" ABS TOP AND BOTTOM SLIDING SECTIONS, WITH AN EXTENSION RANGE OF 48" TO 78".
 - THE CURB STOP BOX SHALL UTILIZE A CAST IRON LID WITH THE WORD "SEWER" CAST THEREON.

- PRESSURE LATERAL SHALL BE HDPE SDR 11 (IPS) 160 PSI NOT LESS THAN THE MINIMUM SIZE RECOMMENDED BY THE PUMP MANUFACTURER.. PRESSURE LATERAL SHALL BE A MINIMUM OF 48" DEEP, BEDDED IN SAND OR PLACED IN A PLASTIC SLEEVE. A COVERED TRACER WIRE SHALL BE PLACED WITH THE LATERAL WITH CONNECTION AVAILABLE AT THE PUMP TANK AND CURB STOP.
- PRESSURE LATERAL SHALL BE IN A SEPARATE TRENCH AT LEAST 6' FROM ANY WATER SERVICE.
- IN CERTAIN CASES THE DISTRICT WILL CONSIDER ADJACENT NEIGHBORS SHARING A PRESSURE LATERAL , HOWEVER EACH USER WILL HAVE HIS OWN PUMP AND SHUT OFF VALVE SO AS TO NOT INTERFERE WITH THE CO-USER. OWNERSHIP AGREEMENT MUST BE APPROVED BY THE TOWN.
- THE EXTERIOR MOUNTED CONTROL PANEL SHALL HAVE AN ALARM SYSTEM ON A SEPARATE ELECTRICAL CIRCUIT FROM THE PUMP. A "HIGH LEVEL" VISUAL AND AUDIBLE ALARM SHALL BE PROVIDED. THE CONTROL PANEL SHALL HAVE AN EXTERNAL PUMP RUN LIGHT. THE AUDIBLE ALARM SHALL HAVE AN EXTERNAL MANUAL "ALARM SILENCE" FEATURE. THE CONTROL PANEL SHALL HAVE AN ALARM TEST FEATURE. ALL WIRING SHALL MEET THE NEC CODE. ELECTRIC WORK MUST BE INSPECTED BY A CERTIFIED ELECTRIC INSPECTOR.
- THE EXISTING SEPTIC TANK SHALL BE EMPTIED BY A LICENSED SEPTIC TANK PUMPING CONTRACTOR AND FILLED WITH SAND OR SUITABLE FILL MATERIAL.
- NO SURFACE OR GROUND WATER, CATCH BASINS, BASEMENT OR FOUNDATION DRAINS, FLOOR DRAINS, COOLING WATER OR GUTTERS SHALL BE CONNECTED TO THE SYSTEM.
- THESE REQUIREMENTS AND SPECIFICATIONS REPRESENT THE MINIMUM REQUIREMENTS – OWNERS CAN EXCEED THESE REQUIREMENTS WITH APPROVAL OF THE TOWN SEWER DEPARTMENT HEAD.