

**HORIZONTAL SEPARATION NOTES:**

1. ZONE 1: WATER LINE AND SEWER LINE SEPARATED 10 FEET OR GREATER – NO SPECIAL REQUIREMENTS  
 ZONE 2: WHERE LOCAL CONDITIONS AND SITE SPECIFIC CONDITIONS PRECLUDE ZONE 1 SEPARATION – SPECIAL REQUIREMENTS APPLY:  
 A) APPROVAL BY DIVISION OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER AND,  
 B) SEWER PIPES IN GOOD CONDITION AND,  
 C) NO HIGH GROUNDWATER AND,  
 D) WATER LINE SEPARATED BY AT LEAST 6 FEET AT OUTSIDE PIPE WALLS AND,  
 E) BOTTOM OF WATER LINE IS AT LEAST 18 INCHES ABOVE TOP OF SEWER LINE AND,  
 F) WATER LINE CONSTRUCTED WITH MECHANICAL, RESTRAINED JOINT PIPE  
 ZONE 3: WATER LINE AND SEWER LINE SEPARATED LESS THAN 6 FEET – NOT ALLOWED WITHOUT APPLICATION TO AND APPROVAL BY UTAH DIVISION OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER FOR EXCEPTION TO THE RULE. ADDITIONAL MITIGATION MEASURES TO PROTECT PUBLIC HEALTH REQUIRED
2. ADDITIONAL WATER-SEWER SEPARATION AND/OR SPECIAL PIPE MATERIALS MAY BE REQUIRED IN AREAS OF HIGH GROUNDWATER, SOILS CONDITIONS, OR SPECIAL SEWER LINE CONTENTS
3. SERVICE LINE TAPS NOT ALLOWED IN ZONE 2
4. SERVICE LINE TAPS WITHIN ZONE 3 ALLOWED ONLY BY SITE SPECIFIC APPROVAL BY DIVISION OF ENVIRONMENTAL QUALITY, DIVISION OF DRINKING WATER
5. SANITARY SEWER FORCE MAINS:
  - a. WATER LINE TO MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION ABOVE SEWER FORCE MAIN
  - b. NEW SEWER FORCE MAIN CROSSING UNDER AN EXISTING WATER MAIN TO BE ENCLOSED IN A CONTINUOUS SLEEVE
  - c. NEW WATER MAIN CROSSING OVER AN EXISTING SEWER FORCE MAIN, 200 PSI MINIMUM WORKING PRESSURE RATED PIPE MATERIALS REQUIRED
6. CONSULT SNYDERVILLE BASIN WATER RECLAMATION DISTRICT FOR ADDITIONAL SANITARY SEWER RELATED REQUIREMENTS AND SEWER LINE MODIFICATIONS

**VERTICAL SEPARATION NOTES:**

1. ZONE 1: WATER LINE ABOVE SEWER LINE AND SEPARATED 18 INCHES OR GREATER – NO SPECIAL REQUIREMENTS  
 ZONE 2: WATER LINE ABOVE SEWER LINE SEPARATED LESS THAT 18 INCHES – LOOP WATER LINE, REFER TO STD. PLANS 543 AND 544. INSTALL CONTROLLED LOW-STRENGTH MATERIAL (CLSM), “FLOWABLE FILL”, 100 PSI MINIMUM TO 150 PSI MAXIMUM MIX DESIGN, FOR FULL TRENCH WIDTH WITHIN WATER PIPE ZONE AND TO TOP OF SEWER LINE  
 ZONE 3: WATER LINE BELOW SEWER LINE SEPARATED LESS THAN 18 INCHES – LOOP WATER LINE, REFER TO STD. PLANS 543 AND 544. INSTALL CONTROLLED LOW-STRENGTH MATERIAL (CLSM), “FLOWABLE FILL”, 100 PSI MINIMUM TO 150 PSI MAXIMUM MIX DESIGN, FOR FULL TRENCH WIDTH WITHIN WATER PIPE ZONE AND TO 18 INCHES ABOVE SEWER LINE  
 ZONE 4: WATER LINE BELOW SEWER LINE SEPARATED GREATER THAN 18 INCHES - CENTER ONE FULL UNCUT LENGTH OF WATER PIPE OVER THE CROSSING AND PROVIDE MECHANICAL RESTRAINED PIPE JOINTS UNTIL THE WATER PIPE EXTENDS TO A DISTANCE OF 10 FEET PERPENDICULAR TO EACH SIDE OF THE SEWER LINE. INSTALL CONTROLLED LOW-STRENGTH MATERIAL (CLSM), “FLOWABLE FILL”, 100 PSI MINIMUM TO 150 PSI MAXIMUM MIX DESIGN, FOR FULL TRENCH WIDTH WITHIN WATER PIPE ZONE AND TO 18 INCHES ABOVE SEWER LINE
2. SERVICE LINE TAPS NOT ALLOWED IN ZONES 2 AND 3.
3. SANITARY SEWER FORCE MAINS: SEE HORIZONTAL SEPARATION REQUIREMENTS, NOTE 5,
4. CONSULT SNYDERVILLE BASIN WATER RECLAMATION DISTRICT FOR ADDITIONAL SANITARY SEWER RELATED REQUIREMENTS AND SEWER LINE MODIFICATIONS

 PARK CITY MUNICIPAL CORPORATION <b>WATER</b>	<b>DATE</b>	<b>WATER – SANITARY SEWER SEPARATION NOTES</b>	<b>STD. PLAN</b>
	5/2014		<b>547-B</b>
	<b>REV.</b>		