MIXING WATER SHALL MEET THE FOLLOWING REQUIREMENTS:

WATER USED FOR TRENCH SLURRY BACKFILL SHALL BE FREE FROM OIL, SALTS AND OTHER IMPURITIES WHICH COULD HAVE AN ADVERSE EFFECT ON THE QUALITY OF THE BACKFILL MATERIAL.

CONCRETE SAND SHALL MEET THE FOLLOWING REQUIREMENTS:

AT THE OPTION OF THE CONTRACTOR, AGGREGATE SHALL BE EITHER:

1. MATERIAL SELECTED FROM EXCAVATION, IMPORTED MATERIAL, OR A COMBINATION THEREOF, WHICH IS FREE OF ORGANIC MATERIAL AND OTHER DELETERIOUS SUBSTANCES AND CONFORMS TO THE FOLLOWING GRADING REQUIREMENTS:

SIEVE SIZES	PERCENTAGE BY WEIGHT PASSING SIEVE
1-1/2 INCH	100
1 INCH	80 – 100
3/4 INCH	60 – 100
3/8 INCH	50 – 100
NO. 4	40 – 100
NO. 100	2 – 40
NO. 200	2 – 10

2. COMMERCIAL QUALITY CONCRETE SAND WHICH CONFORMS TO THE FOLLOWING GRADE REQUIREMENTS:

SIEVE SIZES	PERCENTAGE BY WEIGHT PASSING SIEVE
3/8 INCH	100
NO. 4	95 – 100
NO. 8	80 – 100
NO. 16	50 – 85
NO, 30	25 – 60
NO. 50	10 – 30
NO. 100	2 – 10

MIXING:

THE AGGREGATE, CEMENT AND WATER SHALL BE PROPORTIONED BY WEIGHT. 94 POUNDS OF CEMENT (1 SACK) SHALL BE USED FOR EACH CUBIC YARD OF MATERIAL PRODUCED. THE WATER CONTENT SHALL BE SUFFICIENT TO PRODUCE A FLUID, WORKABLE MIX THAT WILL FLOW AND CAN BE PUMPED WITHOUT SEGREGATION OF THE AGGREGATE WHILE BEING PLACED.

MATERIALS FOR TRENCH SLURRY BACKFILL SHALL BE THOROUGHLY MACHINE MIXED IN A PUGMILL, ROTARY DRUM, OR OTHER APPROVED MIXER. MIXING SHALL CONTINUE UNTIL THE CEMENT AND WATER ARE THOROUGHLY DISPERSED THROUGHOUT THE MATERIAL. TRENCH SLURRY BACKFILL SHALL BE PLACED IN THE WORK WITHIN ONE HOUR AFTER MIXING OR IT SHALL BE REJECTED.