# COTTONWOOD IMPROVEMENT DISTRICT

# SERVICE LINE SPECIFICATION

COTTONWOOD IMPROVEMENT DISTRICT 8620 SOUTH HIGHLAND DRIVE SANDY, UT 84093 801-943-7671

# JANUARY 1, 1989 REVISED April 16, 2014

Regulations for the installation of Sewer Service lines from the property line to the house to be installed by the property owner or a bonded contractor:

(ALL REGULATIONS ISSUED PRIOR TO THIS DATE ARE VOID)

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# RESPONSIBLILITIES OF THE PROPERTY OWNER OR HIS CONTRACTOR

It is the responsibility of the property owner or contractor to see that all permits are obtained, including road cutting permits when excavation is made into the public street.

It is the responsibility of the property owner or contractor to obtain proper locations for existing lines and stubs and that the lateral from the main to the property line is free from any obstructions.

It is the responsibility of the property owner or contractor to see that all safety standards and laws pertaining to the Federal Government (OSHA); and local government (State, County, District) are observed.

All 4" diameter service laterals must be laid on no less than a 2% slope. All 6" service laterals must be laid on no less than 1% slope. If these requirements can not be met, the building must use a sewer ejection pump.

## PIPE SPECIFICATIONS

#### VITRIFIED CLAY

A. All Vitrified Clay Pipe installed in the District shall be Extra Strength Rubber Gasket Pipe with a wall thickness of not less than .625 (5/8 in.) and shall not be in greater lengths than five (5) feet.

B. All jointing of the pipe shall be of a rubber seal capable of a compression to eliminate all infiltration and exfiltration.

#### A.B.S. PLASTIC PIPE

- A. All A.B.S. Plastic Pipe installed in the District shall have a wall thickness of not less than .240 inches and shall meet the A.S.T.M. requirements D2661 specifications for A.B.S. Plastic drain, waste and vent pipe and fittings.
- B. The joint of the pipe shall be either a <u>rubber</u> <u>gasket joint pipe or a solvent weld joint</u> <u>pipe</u>.
- C. All plastic pipe fittings shall be wiped clean and dry of all foreign materials before any jointing is made.

## P.V.C. PLASTIC PIPE

A. All P.V.C. Plastic pipe installed in the District shall have a wall thickness of not less than .125 (1/8" inch) and shall meet the A.S.T.M. requirements D 1784 for P.V.C. compounds and A.S.T.M. D 2241-67 (SDR 35) for P.V.C. pipe.

## PIPE SIZE

All pipe shall be four (4") inches in diameter or greater.

#### PIPE INSTALLATION

## A. EXCAVATION

The excavation of the trench shall be the responsibility of the property owner or his designated contractor.

#### B. BEDDING

Excavate four (4) inches below the bottom of the pipe and refill to grade with 3/4" crushed gravel, thoroughly compacted into place, all at the property owners or contractor's expense for labor and material.

3/4" Minus crushed gravel shall meet the following specifications:

57 I INCH CROBHED GRAVEE	
SIEVE SIZE	PERCENT PASSING
3/4	90-100
3/8	20-55
#4	0-10
38	0-5

## 3/4 INCH CRUSHED GRAVEL

If any trench at the bottom of the excavation is of unfit material or through the neglect of the contractor, the trench is excavated below the bottom of the grade of the pipe to be installed, it shall be refilled to grade with 3/4" minus crushed gravel, thoroughly compacted into place, at the property owner or contractor's expense for labor and material.

# C. BLINDING

After the pipeline has been properly installed and inspected by the District, it shall then be the responsibility of the property owner or contractor to blind the pipe line with 3/4 inch crushed gravel to a point twelve (12) inches above the pipe, bank to bank, and thoroughly compacted in place at the property owner or contractor's expense for all labor and material.

#### D. BACKFILL

Backfilling of trenches, after proper inspection and bedding and blinding, shall be done in such a manner as not to disturb the pipe that has been bedded and tested.

All material used for backfill shall be free of asphalt, lumber, trash, and any foreign material and brought to the level of the original surface.

## E. CLEANOUTS

Cleanouts shall be installed on undisturbed ground or engineered fill only.

Cleanouts shall be installed on the property line, at all angles and changes of grade in excess of 45° and at every ninety (90) feet of pipeline extending into the property.

All cleanouts shall be installed in accordance with the attached detail drawings.

## F. COUPLINGS

All fittings and pipe shall be connected with the proper adapters. Fernco type couplers with stainless steel shear bands shall be used at all connections in the trench. 1-1/2" hold is required on all couplings. No hub couplings may be used on clean-out cap or plug only.

## G. INSPECTIONS AND TESTING

Installation of all sewer service lines from the property lines to the house (or unit) shall be inspected by the District Inspector.

It is the responsibility of the property owner or the contractor to notify the District before construction begins and to notify them when the line is ready for inspection twenty-four (24) hours prior to the inspection. Any line backfilled without inspection or proper permits will not be accepted for service.

All pipelines will be tested at the time of inspection with one of the following methods:

1. The line may be filled with water to an elevation of at least ten (10) feet above the flow of the pipe. There shall be no visual signs of leakage and the elevation of the water shall not drop.

2. The line may be tested by air-test as outlined in the District Specifications titled "Sanitary Sewer Pipeline Construction and Repair".









