PROJECT SPECIAL PROVISIONS
Utility Construction

Design Engineer’s
Company Letterhead

And address

 (Seal)

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| DOCUMENT NOT CONSIDERED FINALUNLESS ALL SIGNATURES COMPLETED |

Where brand names and model numbers are specified in these Special Provisions or in the plans, the cited examples are used only to denote the quality standard of product desired and do not restrict bidders to a specific brand, make, or manufacturer. They are provided to set forth the general style, type, character, and quality of the product desired. Equivalent products will be acceptable.

The utility owner is the xxxxxxxx. The contact person is xxxxxxxx and he can be reached by phone at xxxxxxxxxx.

The provisions contained within these Utilities Construction Project Special Provisions modify the *Standard Specifications* only for materials used and work performed constructing water or sewer facilities owned by xxxxxxxxxx.

RELATION OF WATER MAINS TO NON-POTABLE WATER LINES AND OTHER UTILITIES

(5-16-23)

Revise the 2018 *Standard Specifications* as follows:

Page 15-1, Article 1500-5 RELATION OF WATER MAINS TO SEWERS, lines 34-38, replace the article title and first paragraph with the following:

1500-5 RELATION OF WATER MAINS TO NON-POTABLE WATER LINES AND OTHER UTILITIES

For sanitary sewers, lay water mains at least 10 feet laterally from existing or proposed sanitary sewers. If local conditions or barriers prevent a 10 foot separation, lay the water main with at least 18 inches vertical separation above the top of the sanitary sewer pipe either in a separate trench or in the same trench on a bench of undisturbed earth.

Page 15-2, Article 1500-5 RELATION OF WATER MAINS TO SEWERS, line 1-9, replace the second and third paragraph with the following:

For storm drain pipe, reclaimed water distribution or other utilities, lay the water main with at least 12 inches separation from the outside of the water main and the outside of the other facility.

One full length of water pipe at the point of crossing shall be located so that both joints will be as far from the sanitary sewer as possible. If practicable, the water main shall be located above the sewer.

SUBMITTALS AND RECORDS

(5-16-23)

Revise the 2018 *Standard Specifications* as follows:

Page 15-2, Article 1500-7 SUBMITTALS AND RECORDS, lines 22-23, replace the third sentence of the first paragraph with the following:

Provide 2 hard copies to the utility owner and an electronic (.pdf) copy to the Engineer and utility owner.

[Modify the last sentence ONLY of the paragraph below or add as required to communicate the utility’s specific requirements for record drawings. The default requirement is for PDFs. Consider if CADD or GIS files are required by the utility. Be specific about the format and contents of those files. For example, if AutoCAD format is required, say so. If additional features must be documented, add those features below. Do not modify the first three sentences because those are requirements for plans provided to NCDOT.]

Page 15-2, Article 1500-7 SUBMITTALS AND RECORDS, lines 28-30, replace the second and third sentence of the third paragraph with the following:

The plans shall include notations of the size and type material installed, coordinates of utility controls and horizontal and vertical locations of the piping sealed by a North Carolina Professional Land Surveyor (PLS). As-built plans provided as PDF formatted files shall be generated from the source electronic files, not scanned facsimiles of paper plan sheets. Provide as-builts as PDF files to the Engineer. Provide 2 hard copies in full-size sheets and PDF formatted files to the utility.

{The next two items are approved special pay items. If these items are used in your project, keep the section for the item. If an item is not used, delete it. These items also provide an example of how to write special pay items for utilities.}

PLUG VALVE

Materials:

Supply plug valves which conform to AWWA C517. Provide mechanical joint ends conforming to AWWA C111/A21.11.

Construction Methods:

Construct as directed in Subarticle 1515-3.

Measurement and Payment:

*\_\_” Plug Valve* will be measured and paid for per each for the appropriate size plug valve. Valve boxes are incidental to *\_\_” Plug Valve*.

Pay Item: Pay Unit

\_\_” Plug Valve Each

COMBINATION AIR VALVE

Materials:

Supply combination air valves complying with AWWA C512.

Construction Methods:

Construct as directed in Subarticle 1515-3(F).

Measurement and Payment:

*\_\_” Combination Air Valve* will be measured and paid per each for the appropriate size combination air release valve. All labor, the manhole, other materials, excavation, and backfilling are incidental to the *\_\_” Combination Air Valve*.

Pay Item: Pay Unit

\_\_” Combination Air Valve Each