Subsection 3.01
Definitions

I. Abbreviations

AASHTO	American Association Of State Highway and Transportation Officials
ACI	American Concrete Institute
AQMP	Aggregate Quality Monitoring Program (TxDOT)
ASTM	American Society of Testing and Materials
AWWA	American Water Works Association
BF	Butterfly Valve
BRSQC	Bituminous Rated Source Quality Catalog (TxDOT)
CTS	Copper Tubing Size
DIPS	Ductile Iron Pipe Size
DMS	Departmental Material Specification (TxDOT)
ETJ	Extra Territorial Jurisdiction
FIPS	Female Iron Pipe Size
GV	Gate Valve
HCQMP	Hydraulic Cement Quality Monitoring Program (TxDOT)
HDPE	High Density Polyethylene
IPS	Iron Pipe Size
IRI	International Roughness Index
ISSA	International Slurry Surfacing Association
JMF	Job Mix Formula
MH	Manhole
MIPS	Male Iron Pipe Size
MJ	Mechanical Joint
MKPL	Material Producers List (TxDOT)
NSF	National Sanitation Foundation
ODR	Owners Designated Representative
OSHA	Occupational Safety and Health Administration
PVC	Polyvinyl Chloride
QA	Quality Assurance
QC	Quality Control
RAP	Recycled Asphaltic Pavement
RAS	Recycled Asphalt Shingles
SAC	Surface Aggregate Classification (TxDOT)
SDR	Standard Dimension Ratio
SET	Safety End Treatment
TxDOT	Texas Department of Transportation

II. Definitions:

See Article 1. Definitions of the Uniform General Conditions for City of Amarillo Civil Construction Contracts

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Subsection 3.02
Project Submittals

I. Scope

All submittals to be transmitted to:

Issuing Division for the project
City of Amarillo
808 S. Buchanan Street
Amarillo, Texas 79105
Project W.O. No.
Attention: Project Engineer or Manager

Contractor shall have determined and verified all field dimensions and measurements, field construction criteria, materials, catalog numbers, and similar data. Transmittals will not be received from or returned to subcontractors. Each submittal is to be delivered separately.

Submittal information shall define specific equipment or materials utilized on the project. General product or material information will be rejected.

Submittals shall be received by the Engineer or ODR at least one week prior to the materials being incorporated in the projects.

At least three copies of a submittal shall be sent to the project designer or manager. The Contractor can also send submittals electronically to engineeringdept@amarillo.gov.

II. Types of Submittals

A. Shop Drawings

B. Cut Sheets (Roadway, Drainage, Water, and Sewer)

C. Proctors

1. Embankment

2. Subgrade

3. Base

4. Excavation backfill (Structural and Pipes)

5. Bedding material for pipes (Drainage, Sewer & Water)

D. Asphalts

1. Prime

2. Seal Coat Asphalt

E. Material Mix Designs

1. Asphaltic concrete

a) Each type of mix

b) Each supplier of mix

2. Micro-Surfacing

3. Portland Cement Concrete

a) Concrete by strength class

b) Paving

c) Flowable Fill

F. Steel

1. Rebar

2. Weld Wire Fabric

3. Metal Beam Guard Fence

G. Stabilizers

1. Cement

2. Lime

3. Fly Ash

4. Cement Kiln Dust

H. Pipe

1. Reinforced Concrete Pipe (each size)

2. Corrugated Metal Pipe (each size)

3. HDPE Pipe (each size)

I. Water Lines

1. Water pipe (each size)

2. Gate Valves

3. Fittings

4. Fire Hydrants

5. Valve Boxes

6. Meter Boxes

7. Manholes (Water and Sewer)

8. Manhole rings and lids (Water and Sewer)

9. Service tap materials

10. Horizontal Directional Drilling Plan (Water and Sewer)

J. Sewer

1. Pipe (each Size)

2. Fittings

K. Drainage

1. Manholes

2. Inlets

3. Rings and Lids

4. Box Culverts

L. Miscellaneous

1. Seal Coat Aggregate

2. Traffic Control Plan

3. Curing Compound

4. Sod

M. Manuals

1. Operations

2. Equipment

III. Submittals Process

A. Items within transmittals will be reviewed for overall design intent and will receive one of the following actions:

1. Furnish for Project as Submitted

2. Revise and Resubmit

3. Rejected

B. Transmittals returned to the Contractor with approval are considered ready for fabrication and installation. The approval of a separate item does not indicate approval of an assembly in which the item functions. If for any reason a transmittal is resubmitted, it must be accompanied by a letter defining changes that have been made and the reason for the resubmittal.

C. Transmittals with Revise and Resubmit will be analyzed as follows:

1. One copy will be marked up and returned to the Contractor. It shall be the Contractor's responsibility to insure that these items are corrected and resubmitted; and

2. If portions of the items or system proposed are acceptable, however, the major part of the individual drawings or documents are incomplete or require revision, the entire submittal shall be resubmitted.

D. Failure to include any specific information specified shall result in the transmittal being returned to the Contractor.

E. All costs, associated with the review of any submittal resubmitted more than twice shall be borne by the Contractor with said costs being deducted from the Contractor's monthly estimate.

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Subsection 3.03
Project Preparation

I. Scope: This Subsection includes preparing the right of way or project site by removal and disposal of all obstructions as shown on the plans. Obstructions shall include, but not limited to, separate curb, concrete curb and gutter, concrete slab, retaining wall, asphaltic concrete, brick pavement, corrugated metal and reinforced concrete culverts, metal beam guard fence, mail boxes, trees, stumps, shrubs and other landscape features not designated to remain in place.

II. Materials: The materials removed shall become the property of the Contractor unless otherwise shown on the plans or described in individual bid items in the proposal.

III. Equipment: The equipment shall conform to the requirements as specified in Subsection 4.02 "Earthwork".

IV. Construction Methods: The right of way or project site shall be cleared of all structures and obstructions as shown on the plans or provided for in the proposal. All foliage designated for preservation shall be carefully protected during construction. Drainage structures shall be removed in proper sequence to maintain traffic and storm water flow.

Holes remaining after obstructions are removed shall be properly backfilled as outline in Subsection 4.02.IV.B.2 “Earthwork”. The Contractor shall complete the right of way preparation by approved methods.

V. Measurement and Payment: This subsection will be paid for by the units shown on the plans. Earthwork is considered subsidiary to items that are removed.

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Subsection 3.04
Requirements for Water Usage

I. General

A. The Contractor shall provide water tank trucks for his use. The City does not provide water free of charge. Water used for testing and disinfection will not be charged on initial test, subsequent tests will be charged for water usage. The Contractor shall be charged at the prevailing rates for all water used.

B. Prior to any water usage from the City supply, a deposit shall be placed with the Utility Billing Department at the Municipal Building (City Hall), telephone number (806) 378-6249 or (806) 378-3075. The deposit will not cover the cost of replacing the meter. The permit shall have been obtained and the deposit placed before the Water Department Meter Shop personnel, located in the City of Amarillo Central Service Center (SE 23rd Avenue and Hayes Street), will issue the meter, valve, fittings, and fire hydrant wrench. Only meters issued by the City of Amarillo will be acceptable for use. No water is to be obtained from a fire hydrant without a standard City of Amarillo fire hydrant connection. This connection will be furnished by the Water Distribution Department if necessary. The Contractor securing the permit will be responsible for the above equipment. If repairs and/or replacement of any of the equipment are required due to misuse, freezing, vandalism, loss, theft, or other damage not the fault of the equipment, the Contractor securing the permit will be billed for the repair. Should the meter, valve, or fittings be lost or stolen, the deposit will be forfeited and any additional amounts due will be billed to the Contractor.

C. All water trucks shall have a permanent air gap between the discharge from the distribution system and the tank truck storage compartment. An air gap means that when the discharge from the distribution system is turned off, there exists a physical air gap between the discharge point and the highest possible level of water in the storage compartment of the tank truck. As an alternative to this method, the tank truck owner shall provide a backflow prevention device approved by the City of Amarillo Utilities Division.

II. Fire Hydrant Operation

A. The Contractor shall exercise proper care and precaution in the use of a fire hydrant. No wrench other than a standard fire hydrant wrench shall be used on a fire hydrant. When the Contractor is using the fire hydrant, he shall always have it completely open and shall use a valve, furnished by the City of Amarillo, to adjust the flow of water for his requirements. The Contractor shall not leave the valve, any hose, pipe, or any other connections on the fire hydrant except when one of his employees is in the vicinity ready to remove such equipment in the case of an emergency. Proper tools for the removal of such valve, hose, pipe, or other connections must be at the hydrant available for immediate use. The Contractor shall lock fire hydrant, use a chain to connect the water meter to the hydrant if they are not near the hydrant to

avoid theft of the water meter.

B. If a connection is made on a faulty hydrant, a report of the faulty hydrant shall be made immediately to the Water Distribution Department at telephone number (806) 378-6824.

III. Billing: Meters will be read monthly by the Contractor at the direction of the Utility Billing Department and reported to the City at telephone number (806) 378-4272. The Contractor will be billed for the amount of water reported. 10% will be added to the rates if bills are not paid by the date shown on the bill.

IV. Misuse and Damage

A. Should a violation concerning the use of the fire hydrant be observed, the person named in the permit will be notified and is expected to resolve the violation immediately. Should the violation continue, the City of Amarillo will terminate the permit; remove the meter, valve, and fittings, and the deposit will be forfeited without further notice. Any amount due will also be billed to the Contractor.

B. During the use of a fire hydrant, should the fire hydrant be damaged due to the Contractor's employee, representative, or equipment, the Contractor shall repair or pay the City for repairs required to restore equipment to a condition equal to that prior to its use by the Contractor and also to the satisfaction of the Water Distribution Department Head.

C. Should pavement in the vicinity of a fire hydrant be damaged during the use of the fire hydrant or if it fails due to excessive leakage during use, the Contractor shall replace the damaged pavement to the satisfaction of the Street Superintendent. The Street Superintendent shall determine the cause of the failure and his decision shall be final.

D. If the Contractor is observed taking water from a fire hydrant without the use of a City issued meter, will forfeit their deposit and the City issued equipment will be confiscated by the City. Any amount due will also be billed to the Contractor. Theft of water will result in a $500.00 fee.

V. Permit Termination: At the termination of a permit, the meter, valve, fittings, and fire hydrant wrench shall be returned by the Contractor to the Water Distribution Department. The meter will be read and checked by the Meter Shop personnel for possible damage. After the final billing for water consumption and necessary repair charges, the City will refund the balance of the deposit on the meter, valve, and fittings or bill the Contractor for any amount due.

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