

WATER & SANITARY SEWER PLANS REVIEW WORKSHEET
 CITY OF ALCOA DEPARTMENT OF PUBLIC WORKS & ENGINEERING

Rev. January 2, 2020

Review Date:		Review Number*:	
Date Drawings Received:			
Development: Type/Units:		Approved by Public Works:	
Location:			
Developer:		Address:	
Contact Person:		Phone/ FAX:	
Architect/Engineer Firm:		Address:	
Engineer:		Phone/ FAX: E-Mail Address:	
COA Project Number:		TAX Map:	

(Note: items not 'X'ed must be addressed prior to approval, each X will be accompanied by a comment number describing the correction/omission.)

<u>WATER</u>		<u>SANITARY SEWER</u>	
Reference: WATER DISTRIBUTION – CONSTRUCTION SPECIFICATIONS – Current Edition		Reference: WASTEWATER COLLECTION – CONSTRUCTION SPECIFICATIONS – Current Edition	
Pre-Design Conference – Sec. 1.0.2 Date :		Pre-Design Conference – Sec. 2.0.1 Date:	
Cost of Water Main Relocations/Extensions to be borne by Developer		Cost of Sanitary Lines Relocations/Extensions to be borne by Developer	
Plans prepared per Sec. 1.0.3 <i>(c) 24"x36" sheet with detail information</i> <i>(d) Plan layout</i> <i>(e) Plan details</i> <i>*Must be stamped by a TN licensed Engineer</i>		Design Basis – Sec. 2.0.2 Design Factors – Sec. 2.0.3 Plans prepared per Sec. 2.0.4 <i>(b) 24"x36" sheet with detail information</i> <i>(c) Plan & Profile layout</i> <i>(d) Plan & Profile details</i> <i>*Must be stamped by a TN licensed Engineer</i>	
Design Criteria <i>Sec. 1.0.4 Minimum Distributor Pipe Size</i> <i>Sec. 1.0.5 Fire Protection</i> <i>Sec. 1.0.6 Dead Ends (To be extended at a later date)</i> <i>Sec. 1.0.7 Gate Valves</i> <i>Sec. 1.0.8 Bends</i>		Details of Design & Construction <i>Sec. 2.1.1 Minimum Size</i> <i>Sec. 2.1.2 Depth</i> <i>Sec. 2.1.3 Slope</i> <i>Sec. 2.1.4 Alignment</i> <i>Sec. 2.1.5 Increasing Size</i> <i>Sec. 2.1.6 Stream Crossings</i> <i>Sec. 2.1.7 High Velocity Protection</i>	
Details of Design & Construction <i>Sec. 1.1.1 thru 1.1.4 Pipe support, bedding, cover and alignment</i>			

<i>Sec. 1.1.5 Separation of Water & Sanitary Sewer</i>		<i>Sec. 2.1.8 Pipe Bedding</i>	
<i>Sec. 1.1.6 Surface Water Crossings</i>		<i>Sec. 2.1.9 Joints and Infiltration</i>	
<i>Sec. 1.1.7 Cross Connections & Services</i>		<i>Sec. 2.1.10 Manholes</i>	
<i>Sec. 1.1.8 Water Services and Plumbing</i>		<i>Sec. 2.1.11 Protection of Water Supplies</i>	
<i>Sec. 1.1.9 Fire Hydrants & NFPA 24-State Fire Marshall</i>		<i>Sec. 2.1.12 Force Mains</i>	
<i>Sec. 1.1.10 Booster Pump Stations</i>		<i>Sec. 2.1.13 Wastewater Lift Stations</i>	
<i>Sec. 1.1.11 Underground Vaults & Appurtenances</i>		<i>Sec. 2.1.14 Low Pressure Collection Systems</i>	
<i>Sec. 1.1.12 Easements</i>		<i>Sec. 2.1.15 Easements</i>	
Products		Products	
<i>Sec. 1.2 Products – Materials listed meet City specifications</i>		<i>Sec. 2.2 Products – Materials listed meet City specifications</i>	
<i>Clearly labeled size & material</i>		<i>Clearly labeled size & material</i>	
<i>Clearly indicate fittings to be used</i>		<i>Clearly indicate fittings to be used</i>	
<i>Sec. 1.3 Construction/Execution</i>		<i>Sec. 2.3.1 Construction Activities & Soil Erosion Control</i>	
		<i>Sec. 2.3.2 Soil Erosion Control</i>	
General Notes shown on Sheet 1 or detail sheet		General Notes shown on Sheet 1 or detail sheet	
Details sheet provided with correct details		Details sheet provided with correct details	
Hydraulic Calculations Provided: <i>Contact Alcoa Fire Department for flow data</i>		Hydraulic Calculations Provided: <i>Sec. 2.0.4 & Appendix</i>	
Coordinated with Electrical Overhead & Underground		Coordinated with Electrical Overhead & Underground	
Coordinated with Landscape Plan			
Ready for Stamped Approval by the City of Alcoa		Ready for Stamped Approval by the City of Alcoa	

*NOTE: 1st and 2nd Reviews do not activate charges. Beginning with the 3rd review of design plans a \$50 per hour charge will be assessed with a 1 hour minimum charge.
ABBREVIATIONS: N/A – not applicable; N-S –not shown; Y – approved; X-n –not approved with comments number; N – not provided

GENERAL: Provide complete drawing sets for approval stamp. After review and approval by the City of Alcoa Public Works and Engineering Department, sewer and water design plans are submitted separately to the Tennessee Department of Environment & Conservation, Division of Water Resources, Nashville, TN. A letter of review and approval will be provided per TDEC requirements when drawings are stamped approved.

COMMENTS:

GENERAL OBSERVATIONS: *Comments listed here.*

WATER: *Comments listed here.*

SANITARY SEWER: *Comments listed here.*

Dist.: Megan Brooks, Andrew Sonner, Jeremy Pearson, Connie Williams, Mike Lindsey, Simon deVente, Ashley Miller, Mike Taylor, Richard Wyatt, Andy Davis, Bruce Curtis, TJ Emory, Kelly Hembree, Jesus Ortega, Roger Fields, Todd Huffstetler, Kenny Hendrix, Scott Woods, John Garland, Colin Hurst, Gary Holloway, Joe Ellis, New Services

UTILITY SUMMARY:	QUANTITY	SIZE
Water Service/Meter size		
Irrigation Service/Meter size		
Waterline Connections – <i>Attn. Construction Services Supv.</i>		
Sanitary Sewer Service/Lateral		
Sanitary Connection – <i>Attn. Construction Services Supv.</i>		
CAIC = Contribution In Aide of Construction Credit to Account No. 411-81880		

SERVICES:	QUANTITY	SIZE
Fire line		
Private Hydrants		
Sprinklers- <i>See Colin Hurst</i>		
Backflow- <i>Attn. PW Inspectors</i>		
Grease/Grit Trap- <i>Attn. PW Inspectors</i>		
Sprinklers- <i>See Colin Hurst</i>		

Send plans to the City of Alcoa for review and approval stamp prior to submittal to TDEC.

TDEC Contacts:

WATER: R. William Hench, P.E.
Division of Water Resources – Drinking Water
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Ave, 11th Floor
Nashville, TN 37243

Complete TDEC CN-1188 and supply check for review fee.

Information: <https://www.tn.gov/environment/permit-permits/water-permits1/plans-review-and-approval-for-public-water-systems.html>

SANITARY SEWER: <https://www.tn.gov/environment/permit-permits/water-permits1/plans-review-and-approval-for-sewage-works-construction-projects.html>

Complete TDEC CN-1457 and pay fees.