



## City of Phoenix

WATER SERVICES DEPARTMENT  
Quality Reliability Value

From: Andrew Granger, PE  
Assistant Water Services Director

Date: June 25, 2026

To: Mike Baxley  
Assistant Planning & Development Director

**Subject: 2026 Update to the Design Standards Manual for Water and Wastewater Systems**

The Water Services Department (WSD) has updated its Design Standards Manual for Water and Wastewater Systems (DSM), effective May 4, 2026. The updates incorporated input from various WSD sections, Planning and Development Department (PDD) staff and was reviewed by Development Advisory Board (DAB). This updated version of the DSM is intended to replace the 2021 version currently available. Generally, changes to the DSM include corrections, clarifications, technical updates, and new appendices with additional design guidelines.

The new design standards are currently available on the following website:

[https://www.phoenix.gov/content/dam/phoenix/waterservicessite/documents/2026\\_Design\\_Standards\\_Manual.pdf](https://www.phoenix.gov/content/dam/phoenix/waterservicessite/documents/2026_Design_Standards_Manual.pdf)

**Enforcement & Use Timeline**

Effective Date: May 4, 2026

- 1. Projects without preliminary site plan approval prior to July 31, 2026**
  - a. Must comply with the 2026 DSM for all design and submittals starting July 31, 2026.
- 2. Projects with preliminary site plan approval prior to July 31, 2026**
  - a. May submit under either the 2021 or 2026 DSM, unless the approval or associated permit later lapses or expires as described in Item 3.
- 3. Expired or lapsed plan approvals/permits**
  - a. For all projects, including those referenced in Item 2, if a construction permit is not issued or if construction does not commence within the City's applicable timeframe and the approval lapses or permit expires, any resubmittal must conform to the current DSM in effect at the time of resubmittal or reactivation. Refer to Phoenix Zoning Ordinance Chapter 5 Section 507 for specific timelines, validity periods, and expiration rules that determine when an approval or permit is considered lapsed or expired.

Please share this information with your staff. An Excel file listing the 2021 to 2026 changes are also available and being provided with this memo.

WSD values our partnership with PDD to ensure that water and wastewater infrastructure is properly designed and constructed. If you have any questions or need additional information related to this request, please contact WSD.

Thank you,

[Andrew Granger \(Jun 26, 2026 09:58:27 PDT\)](#)

Andrew Granger, PE, Assistant Water Services Director

CC: WSD Development & Infrastructure Planning Division

## Summary of Changes for 2026 DSM Update

#	Chapter	Section	Intent of the Change	Type of Revision	Existing language	Revised Language
1	II	A.1.f	Change from wastewater interceptor to sewer mains	Report update	Wastewater interceptor mains (15-inch diameter and larger)	Sewer mains (15-inch diameter and larger)
2	III	A.2.d	Added all referenced codes and detail	New Section	---	New section has been added.
3	III	B.1.	clarified the procedure	Code Updates	When the developer is only required to dedicate ROW for half street improvements, the WSD will allow water and sewer main extensions to be constructed in non-standard locations within the half street without a Technical Appeal. However, WSD will need to approve the location of the proposed main(s) on a case by case basis.	When the developer is only required to dedicate ROW for half street improvements, the WSD will allow water and sewer main extensions to be constructed in non-standard locations within the half street. However, a technical appeal must be filed with WSD to approve the location of the proposed main(s) on a case- by- case basis.
4	III	B.2.b	Infill	Code Updates	b. Infill Developments and Single-Family Attached (SFA) option as shown in Figure 2, Infill and SFA Private Accessway, the development must be within the Infill Development District Map or must be permitted to use the SFA option per the Phoenix Zoning Ordinance.	b. The development must meet the definition of Single-Family Infill (SFI) subdivisions as defined by the Phoenix Zoning Ordinance Section 202 and dedicate SFI private access way as shown in Figure 2, SFI Option Private Access Way.
5	III	B.2.b. Figure 2	Caption/Figure	Caption/Figure Update	Figure 2. Infill and SFA Accessway	<b>Figure 2. SFI Accessway</b>
6	III	Table 1.	Change the title to "Minimum Easement Widths Water Mains with less than 8-ft of Cover	Table Updates		Title has been updated.
7	III	B.3.f.8.	New Section	New Section	---	The easement shall be granted to convey drainage away from any existing vaults or assemblies within the easement to prevent flooding. Easement shall be accessible for maintenance and free of any trees, block walls, fences, or grades.
8	III	B.4.	New Section	New Section	---	In general, all encroachments into water or/and sewer easements require approval from WSD through technical appeal process.
9	III	Table 4	Requirements for force mains and water service connections	Code Updates		Force mains should be 6-ft for all parallel utilities and 4-ft from another parallel force main. Water service connections 5- feet. Separations are measured from outside of pipe to outside pipe.
10	III	Table 5	Requirements for force mains and updated notes	Code Updates		Force main separations have been added. A note has been added to the bottom of the chart stating to have bypass operations onsite when crossing a force main less than the minimum separation and to be reviewed by a City professional engineer. No concrete encasement for VCP sewer mains. Any water / sewer mains crossing below culverts at any clearance shall be steel encased for a minimum of 10-ft on each side of the crossing.
11	III	Table 5	Requirements for Extra Protection	New Section	---	Extra protection for VCP gravity sewer mains alone can be achieved by utilizing one of the following two methods: 1.Method One: Replacing VCP sewer main from MH to MH with DIP sewer main with CIPP lining. The DIP sewer main must be either restrained minimum 6 ft beyond the crossing location at both directions, or has no joints for minimum 10 ft beyond the crossing location at both directions. 2.Method Two: CIPP lines the VCP sewer main from MH to MH. 3.Concrete encasement of new or existing VCP sewer mains as extra protection method is not allowed.
12	III	Table 6	Grammer and formatting	Code updates		Table has been updated.
13	III	D.1.	Update the section to have criteria for water and sewer master plans	Code Updates	Planned Community Districts (PCD) require the submittal of water/sewer master plans and design reports. Master plans are required to establish specific improvements and the sequence of improvements that must be completed prior to vesting of the PCD overlay zoning. All information regarding PCD must be obtained from Planning and Development Department. WSD may require the submittal of water/sewer master plans and design reports for large non-PCD developments where significant off-site infrastructure is required.	This Section was provided by Carollo.
14	III	D.2.	Criteria for design report	Code Updates	The objective of a water and sewer design report is to verify the design demands of the proposed development. All developments requiring public water and sewer main extensions must provide a design reports along with the design plan submittal. The design reports should include the following:	The objective of a water and sewer design report is to verify the design demands of the proposed development. All developments requiring public water and sewer main extensions must provide a design report along with the design plan submittal. Design reports shall provide calculations for the projected wastewater flows and water demand, describe the proposed development and basis of design; provide design data and hydraulic calculations that demonstrate the adequacy of the design to meet water and wastewater design standards. Design reports shall be signed and sealed by an Arizona registered professional engineer. The design reports should include the following:
15	III	D.2.b.3 (New)	for d/D	New Section	---	Must maintain d/D ratio of less than 0.75 at the peak flow condition for gravity sewer pipes and meet all gravity sanitary sewer main requirements in Chapter V, Wastewater Collection System.
16	III	D.2.c.	clarified the procedure	Code Updates	The engineering report shall show that the proposed collection system conforms to the City's master plan for the area and the development's specific master plan if applicable.	The engineering report shall show that the proposed collection system conforms to the City's master plan for the area and the development's specific master plan if applicable, or as stipulated by the City.
17	III	E.2.	C-Value	New Sentence	---	A Hazen-Williams pipe roughness coefficient, C-value, of 120 shall be used for all pipe diameters and materials.
18	III	F	For abandonment pipe and transferring lateral to new main	New Sentence	---	NOTE: If developers are stipulated to upsize or replace any existing water/sewer mains, existing water/sewer mains shall be abandoned pursuant to this section, and all the existing lateral water/sewer service connections shall be transferred to the new mains.
19	III	G	Taps ahead of paving	Code Updates	City of Phoenix does not allow new stubs or taps ahead of paving unless the property owner can provide a conceptual design report and a site plan demonstrating the appropriate sizing and location of the mains or stubs. This applies to connections such as water/sewer stubs, water/sewer mains and service taps for fire lines and/or domestic use. The request for taps ahead of paving shall be submitted by the developer through a Water and Sewer Technical Appeal. If the City approves the request for taps ahead of paving, and the size or location changes after the installation due to design changes, or for any other reason, it shall be the property owner's responsibility to abandon any unused infrastructure at the property owner's expense.	This section only applies to water and sewer taps off new mains constructed by private developments. This section does not apply to water and sewer taps off existing mains. For water and sewer taps off existing mains, developments must acquire a City issued plumbing permit to request tap services, and all taps will be installed by the City according to City Code 37-42, 37-44, 28-27 and 28-32. City of Phoenix does not allow new stubs or taps ahead of paving unless the property owner can provide a conceptual design report (e.g. Water/Wastewater Master Plans, Functional Segment Water /Wastewater Master Plans, etc.) and a preliminary site plan demonstrating the appropriate sizing and location of the mains or stubs for the specific parcel, usually at preliminary site plan approval stage. This applies to connections, such as water/sewer stubs, water/sewer mains, and service taps for fire lines and/or domestic use, to a proposed new main. The request for taps ahead of paving shall be approved by WSD, through technical appeal process. If the City approves the request for taps ahead of paving, and the size or location of service taps (including sewer, domestic water, fire line and/or landscape connection taps) changes after the installation due to design changes, or for any other reason, it shall be the property owner's responsibility to remove and replace the entire tap to the correct size/location and remove any unused infrastructure at the property owner's expense.
20	III	I (New)	Add MOPO requirements	New Section	---	This Section was provided by Carollo.
21	III	I.6 (New)	Revise the section for MOPO for PDD or CIP Projects.	New Section	---	Private development projects shall submit a draft copy of the MOPO to WSD.MOPO@Phoenix.gov. If the project has an assigned inspector from PDD, please copy them as well when submitting a MOPO for review. The City's CIP projects shall work with their City Project Manager or Liaison to submit the MOPO for review.

## Summary of Changes for 2026 DSM Update

#	Chapter	Section	Intent of the Change	Type of Revision	Existing language	Revised Language
22	IV	C.5.c.3	The section will be deleted in entirety and replaced with the new section.	Code Updates	All new domestic taps on existing or new mains for buildings including all single family residential lots shall be a minimum of 1 inch in size. New ¾-inch taps may be installed for landscape irrigation or other approved special uses only. Service connections can only be reduced one size, e.g., a 2-inch tap can only be reduced to 1.5-inch, or 1.5-inch reduced to 1-inch or 1-inch to ¾-inch. Refer to WSD's fee schedule for allowable reducers to a service connection.	Domestic Meter Service Connection Size - All new domestic meter service connections (taps) on existing or new mains for buildings including all single-family residential lots shall be a minimum of 1-inch in size. For existing domestic meter service connections (taps) of 1.5, 2, and 4 inches in diameter, meter size may be reduced one size with a reducer. For all other existing domestic meter service connections (taps), the meter size shall match the tap size and reducers on taps are not allowed. See Table 17 below for more detail. For new domestic meter service connections (taps), installation of reducers is not allowed. All tap sizes must match the meter sizes. The only exception for new domestic connection requirements is that for new 3-inch meters, a 4-inch tap may be provided with a reducer with WSD's approval. See Table 17 below for more detail.
23	IV	C.5.c.3	New Domestic Meter Size Table	New Table	---	New table has been added for domestic meter sizes.
24	IV	C.5.c.3	Table Note	Code Updates	---	When a house remodel triggers a Plumbing Code Review, existing residential accounts with a ¾ inch service tap and a 5/8 inch meter may upgrade the meter to a ¾ inch meter while retaining the existing ¾ inch tap, provided a ¾-inch meter is deemed adequate per the Plumbing Code.
25	IV	C.5.c.4	Spacing and cover	Code Updates	Spacing and Cover - A minimum 3 feet of separation is required between water service connections. Meter service connections shall maintain a 30-inch minimum cover per COP Supplement Detail P-1342.	Spacing and Cover - A minimum 5 feet of separation is required between water service connections. Meter service connections shall maintain a 30-inch minimum cover per COP Supplement Detail P-1342.
26	IV	C.5.c.5		New Section	---	A minimum 5 feet of separation is required between the water service connections and fire and/or valve laterals. Refer to DSM Section IV.G.3.
27	IV	C.5.c.6		New Section	---	A minimum 2 feet of separation is required between the water service connections and any bell and/or fittings.
28	IV	C.5.c.8	Separate Service for each demand	Code Updates	Separate Service for Each Demand – A combination of fire, domestic and landscape meters is prohibited. Each demand requires a separate service connection. A combination of domestic and landscape meter is allowed except for landscape areas noted in section d.3. below. A combination of a fire line and domestic service cannot be combined except for qualified Adaptive Reuse projects as outlined in TRT00518.	Separate Service for Each Demand – A combination of fire, domestic and landscape meters is prohibited. Each demand requires a separate service connection. A combination of domestic and landscape meter is allowed except for landscape areas noted in section d.3. below. A combination of a fire line and domestic service cannot be combined except for single family residential homes on single lot (excluding subdivisions) as approved by WSD or qualified Adaptive Reuse projects as outlined in TRT00518.
29	IV	C.5.c.9 (OLD)	The section will be deleted in entirety .	Delete	Service Connections shall be installed perpendicular to the water main within the right of way or easement.	---
30	IV	C.5.c.10	The section will be deleted in entirety and replaced with the new section.	Code Updates	Service Connection - A metered service connection goes up to the end of right-of-way and ends at property line. The pipe needs to be the same size of the tap.	Domestic Meter Service Connection Location – A domestic meter service connection goes up to the end of right-of-way and ends at property line.
31	IV	C.5.c.11	clarified the procedure	Code Updates	Service Connections shall be installed perpendicular to the water main within the right of way or easement.	Service Connections shall be installed perpendicular to the water main within the right of way or easement. Refer to DSM Section IV.C.5.c.3 for meter size and corresponding meter service connection (tap) size.
32	IV	C.5.c.12	ADU and Middle Housing Unit Policy	New Section	---	Domestic Service Connection for Accessory Dwelling Unit (ADU) and Middle Housing Unit - All units shall fall under the following billing code for multiple dwelling units on a single lot: • ADUs – Typar User 20 • Duplex – Type User 10 • Two Family Residences – Type User 20 • Triplexes – Type User 21 • Fourplexes – Type User 26 • Townhouses – Type User 26 • Three Family Residence – Type User 30 All above user types are required to have one combined (domestic water, landscape and fire) meter service connection to the City's water system. Separate water connection service for fire lines may be allowed through technical appeal process. Customers shall provide ADU/Middle Housing Unit related plans and submittals to PDD for site, civil, fire and building code review and approval, as required by the City. The sizing of the meter connections shall meet the minimum requirements of the City Code, building code, fire code, and this design standard manual.
33	IV	C.5.d.1.	Update	Code Updates	Master Meters - A single service line and a master meter can be used as described below: • Two or more buildings located on the same lot (e.g., multi-family, manufactured home communities or similar projects covering one lot).	Master Meters - A single service line and a master meter can be used as described below: • Two or more <b>(Attached and/or Unattached)</b> buildings located on the same lot (e.g., <b>duplex, triplex</b> , multi-family, manufactured home communities or similar projects covering one lot).
34	IV	C.5.d.5.c	Update	Code Updates	Auto Court Cluster (Cluster) – In a Cluster development, ...	Auto Court Cluster (Cluster) – In a Cluster development (a development with maximum six detached single-family lots with only one point of access), ...
35	IV	C.5.d.5.c	Separation between water service lines	Code Updates	The service line shall have a minimum horizontal separation of 3 feet at the connection to the main and 6 inches at all other locations. Water service lines shall be installed ensuring they do not cross each other.	The service line shall have a minimum horizontal separation of 5 feet at the connection to the main. Water service lines shall be installed ensuring they do not cross each other.
36	IV	C.6	The section will be deleted in entirety and replaced with the new section.	Code Updates	UPC Section 610.1: Water meters shall be sized in accordance with the table in Table 11, Water Meters and Sizing Guidelines. The columns list the maximum allowable gallons per minute (gpm) and associated water supply fixture units allowed for any given meter size and type. Project designs which exceed the listed gpm unit values shall be upsized to the next larger meter. The Water Meter Sizing Table is also available on PDD's website. For website link refer to Appendix A, page A-2.	Water meters shall be sized in accordance with the Table below. The columns list the maximum allowable gallons per minute (gpm) allowed for any given meter size and type. Project designs which exceed the listed gpm unit values shall be upsized to the next larger meter.
37	IV	C.6. Table 17	Table updated	Table Updates	---	Table has been updated and new notes have been added
38	IV	C.6. Table 17	Notes added	Table Note	---	Notes: (1) – 10 and 12-inch domestic meters require a technical appeal to WSD. (2) - Fire line velocity is not allowed to exceed 10 ft/sec. (3) - Reducers on 1.5 and 2-inch taps may be allowed for existing domestic meters as outlined in IV.C.5.c.3. (4) - Reducers on 4-inch taps may be allowed for 3-inch meters if approved by WSD. (5) - Reducers on taps are not allowed for all other new or existing domestic meters. (6) - Reducers on taps are not allowed for all fire meters.
39	IV	D.4	Detail for installation of line valves near intersections	New Sentence	---	Line valves on transmission mains shall be installed a minimum of 150 feet away from any intersection to keep maintenance crews out of traffic.
40	IV	D.6	To add "Appendix" reference	Code Updates	Where indicated by soil testing or as directed by WSD, mains shall be protected from exterior corrosion. This protection may consist of encasement in a polyethylene protective wrapping or other approved methods. Refer to the American Water Works Association Corrosivity charts for more information.	... Refer to the American Water Works Association Corrosivity charts and DSM Appendix D for more information.

## Summary of Changes for 2026 DSM Update

#	Chapter	Section	Intent of the Change	Type of Revision	Existing language	Revised Language
41	IV	D.9	To add more detail	Code update	All air/vacuum valve assemblies for transmission mains require individual approval by WSD. Air/vacuum relief valve assemblies shall be installed at high points in the transmission main at locations approved by WSD. Air/Vacuum valve assemblies are to be used only when it is determined that a fire hydrant is not appropriate.	All air/vacuum valve assemblies for transmission mains require individual approval by WSD. Air/vacuum relief valve assemblies shall be installed at high points in the transmission main at locations approved by WSD. Air/Vacuum valve assemblies are to be used only when it is determined that a fire hydrant is not appropriate. Air/vacuum valve assemblies are shown in WSD's Large Pipe Details. For a copy of these details, contact WSD.
42	IV	D.13	Added reference.	Code update		Added: "Refer to DSM Section III.I."
43	IV	D.14	A note added for CCP and BWCP.	Code Update	---	NOTE: This section provides general requirements for work performed around Prestressed Concrete Cylinder Pipe (PCCP). These requirements also apply to Concrete Cylinder Pipe (CCP) and Bar-Wrapped Concrete Pipe (BWCP). All references and notes within this section shall be modified as necessary to reflect the specific pipe material being used on the project.
44	IV	G.3.	Add COP Standard Detail Reference P-1359	Code Updates	All fire hydrants shall maintain a 6-foot horizontal clearance from any utility and above ground structures.	All fire hydrants shall maintain a 6-foot horizontal clearance from any utility and above ground structures. <b>Refer to COP Supplement Detail P-1359 for Hydrant Guards.</b>
45	IV	G.5.	Fire Hydrant spacing	Code Updates	Fire hydrant spacing requirements apply to all new developments, including those that do not need to install new public water mains. New developments adjacent to existing water infrastructure shall install the necessary hydrants to meet the spacing requirements.	Fire hydrant spacing requirements apply to all new developments, including those that do not need to install new public water mains. New developments adjacent to existing water infrastructure shall install the necessary hydrants to meet the spacing requirements. Deviation on public fire hydrants spacing of distribution mains must be submitted as a technical appeal to the City's Fire Marshall for approval.
46	IV	G.6	Black top relocation	Code Updates	In the design phase of projects, every attempt should be made to locate driveways outside of existing fire hydrant locations. In the event that a hydrant must be relocated, the relocation shall be in accordance with COP Supplement Detail P-1344, which requires the existing service line and valve be cut and removed from the existing water main and a new section of pipe installed with a flexible coupling. A new fire hydrant service line shall be installed perpendicular to the new hydrant location.  In circumstances where the relocation of the existing hydrant would be 5 feet or less in either side-to-side direction, WSD will allow a 90 -degree bend to be placed on the existing hydrant service line and the hydrant to be relocated. Hydrant relocations with a 90 -degree bend will only be allowed up to a maximum distance of 5 feet.  Exceptions: Fire Hydrants located on bypass assemblies for water transmission mains. These will need to be approved by the Water Services Department on a case by case basis.	In the design phase of projects, every attempt should be made to locate driveways outside of existing fire hydrant locations. In the event that a hydrant must be relocated, the relocation shall be in accordance with COP Supplement Detail P-1344, which requires the existing service line and valve be cut and removed from the existing water main and a new section of pipe installed with a flexible coupling. A new fire hydrant service line shall be installed perpendicular to the new hydrant location.  In circumstances where the relocation of the existing hydrant would be 5 feet or less in either side-to-side direction, WSD will allow a 90-degree bend to be placed on the existing hydrant service line and the hydrant to be relocated (not applicable for black top hydrants). Hydrant relocations with a 90-degree bend will only be allowed up to a maximum distance of 5 feet (not applicable for black top hydrants).  Exceptions: Black top hydrants and fire Hydrants located on bypass assemblies for water transmission mains. These will need to be approved by WSD through the Technical Appeal process.
47	V	B.1.	Acceptable pipe material	New Sentence	--	Acceptable pipe materials for sewer service connections are listed in Section D.1.C.
48	V	B.4	DIP with CIPP Lining	Code Updates	Sewer mains installed with less than 4 feet of cover require approval by WSD through the Technical Appeals process. Sewer mains constructed in washes and floodways shall have their crowns at least 2 feet below the 100-year storm scour depth and shall be constructed with ductile iron pipe (DIP). The DIP shall extend a minimum of 10 feet on each side of the 100-year storm scouring, which would be manhole to manhole.	Sewer gravity mains installed with less than 4 feet of cover or sewer force mains installed with less than 6 feet of cover require approval by WSD through the Technical Appeals process. Sewer mains constructed in washes and floodways shall have their crowns at least 2 feet below the 100-year storm scour depth and shall be constructed with DIP with CIPP lining. The DIP shall extend a minimum of 10 feet on each side of the 100-year storm scouring, which would be manhole to manhole.
49	V	B.5. Table 22 (New)	Revise Table 16	Code Updates	<del>Revise</del> the first row and <del>Delete</del> the Second row for "Less than 15-inches"	updated
50	V	C.7.	Drop Manhole	Code Updates	Drop sewer connections for public sewer mains into a manhole shall conform to MAG Standard Detail 426 as modified by Standard Detail S-512D.	Drop sewer connections for public sewer mains into a manhole shall conform to MAG Standard Detail 426 with the invert connection in compliance with the City's Standard Detail S-512D. Sewer connections with 5-feet or more drops create increased structural and maintenance risks for the City. Therefore, any request to use a MAG Type B drop manhole must be submitted to the Water Services Division (WSD) for review and approval through the Technical Appeal process.
51	V	D.2.F.	ADU and Middle Housing Unit Policy	New Section	----	Accessory Dwelling Unit (ADU) and Middle Housing Unit Sewer Tap: ADU and Middle Housing units must discharge sewer into the City's wastewater collection system. ADU and Middle Housing Unit shall share sewer services with the property lot. Shared sewer service tap from the existing single-family home and ADU/Middle Housing Unit is still considered as a single-family residential tap. If not technically feasible, ADU and Middle Housing may be allowed to have separate sewer taps connecting to the City's wastewater system through technical appeal process. The separate sewer tap for ADU/Middle Housing Unit is considered as privately owned and shall be maintained by the property owner. The size of the separate sewer tap for ADU/Middle Housing Unit shall follow "Residential Lots" Development Type in the DSM. Per City Code 28-25 & 28-26, on-site private sewer disposal system is not allowed. If the existing property has a functioning septic tank and the tank has capacity to receive additional flow from the ADU/Middle Housing Unit as determined by the Maricopa County, the City may allow the sewer from the ADU/Middle Housing Unit discharge into the existing on-site septic tank through technical appeal process. Waterless toilets, on-site waste incinerators, or other similar systems are not allowed for ADU/Middle Housing Unit. Customers shall provide ADU/Middle Housing Unit related plans and submittals to PDD for site, civil, fire and building review and approval, as required by the City. The sizing of the sewer taps shall meet the minimum requirements of the City Code, building code and this design standard manual.
52	V	D.4.	Section update	Section update	Service connections 4 to 6 inches in diameter do not require a manhole connection unless the main size is 15 to 30 inches in diameter.	Service connections 4 to 6 inches in diameter do not require a manhole connection unless the main size is 15 to industrial 30 inches in diameter.
53	V	F	Industrial and commercial discharge Pretreatment requirements	New Section	delete the whole paragraph	This Section was provided by Wilson.
54	VI		Appeal process for water/sewer requirements	Code Updates	---	the entire section has been revised.
55	Appendix B		Auto Court Cluster (cluster)	Code Updates	Auto Court Cluster (Cluster): A single-family detached development with lots having a shared or common access drive between single-family detached lots. Clusters typically have six or eight lots with only one point of access.	Auto Court Cluster (Cluster): A single-family detached development with lots having a shared or common access drive between single-family detached lots. The lotting configuration for Clusters development shall not exceed six lots with only one point of access unless approved by the PDD. Where detached single-family lots exceed 6 lots or single family lots are not detached, the development does not fall into this category.
56	Appendix E	III	This policy needs to be updated to reflect division name change. It may be better incorporated into the DSM Main body.	Code Updates	WSD <b>Asset and</b> Development Planning Division (ADP) will verify that the main is RCP/CCP either by as-built review, if the pipe type is shown, or through field verification by Water Distribution.	WSD Development Planning Division (ADP) will verify that the main is RCP/CCP either by as-built review, if the pipe type is shown, or through field verification by Water Distribution.
57	Appendix G		For MOPO Examples	New Appendix		
58	General			Interceptor to gravity		Changed interceptor to large gravity sewer main