



January 14, 2016

Subject: 2016 Standard Details, Specifications and Technical Design Manuals

Please be advised, effective January 14, 2016, all **new** improvement plan submittals will be subject to the January 2016 updates to the Standard Details, Specifications and Technical Design Manuals (TDM's) and the 2016 revisions to MAG Specifications and Details. See the attached 2016 Change Summary.

For improvement plans currently in review, use of these new standards is at the discretion of the contractor/engineer.

Revised and current manuals can be downloaded from the Unified Development Manual website: <http://udm.chandleraz.gov> or purchased in hard copy format from the Planning front counter at 215 E. Buffalo Street.

If you have further questions, please contact Warren White at (480) 782-3337.

Sincerely,

Daniel W. Cook, PE
City Engineer

Attachment: 2016 Change Summary

<u>Document No.</u>	<u>Title</u>	<u>Revision Summary</u>
Standard Details		
C-303 PG 1 of 2	FIRE HYDRANT	Revision to delete Note #6 left on detail by error from 2015 removal.
C-303 PG 2 of 2	FIRE HYDRANT COLOR CODE	Revise color code numbers from 1, 2, 3 to Type 1, Type 2, Type 3. Matching historical referencing.
C-315	REDUCED PRESSURE-PRINCIPLE ASSEMBLY INSTALLATION 3", 4", 6", 8", 10"	Revision to title "REDUCED PRESSURE-PRINCIPLE BACKFLOW PREVENTION INSTALLATION - 4" AND LARGER". C-311 is intended for 3" and under assemblies.
C-404 PG 1 of 12	RECLAIMED WATER SERVICE CONNECTIONS	Revision to service connection line size from 3" to 4" due to availability issues with 3" saddle connections.
C-404 PG 3 of 13	2" RECLAIMED WATER IRRIGATION SERVICE LINE INLINE PUMP TYPE	Revision to service connection line size from 3" to 4" due to availability issues with 3" saddle connections.
C-509	BACKFILL DETAIL CMP UNDERGROUND RETENTION STORAGE TANK	Revisions to notes pertaining updates to MAG Section 601. Compaction requirement is now 95%.
Technical Design Manuals		
TDM #1&2	Water & Wastewater System Design	Revision to valve spacing requirements on pg 14 adding spacing requirements for transmission mains at no greater than 1/2 mile.
TDM #1&2	Water & Wastewater System Design	Revisions to Chapter IV, Reclaimed Water Distribution System pertaining to spray irrigation restrictions, and private reclaimed system design considerations including available pressures and turnouts.
TDM #3	Drainage Policies and Standards	Revision on pg 11 inlet requirements since only allowing MAG 533 catch basin. Revision to pg 12 storm drain connections, clarifying allowances.
TDM #3	Drainage Policies and Standards	NEW section 6.11.5.4 stating requirements for recessed loading docks.
TDM #4	Street Design and Access Control	Revisions to pg 18 and 32, adding ADA upgrade requirements to existing bus stops and designated on-street parking spaces.
TDM #5	Traffic Signal Design	Revision to pg 4, Section 4 Signal Poles, referencing Figures TS-17A and TS-17B for Tenon locations and revision to typical pole placement requirements for ADA pushbutton access. Revisions to Figures TS-7, TS-12, TS-13 and TS17A. Deleting Figure TS-20, Sidewalk Extension Detail, in favor of revised Figure TS-13.
TDM #7	Traffic Barricade Design	Revisions to pgs 4, 28 and 29 to clarify use of police officers at barricade locations, revisions pgs 15,18 and 19 to clarify taper length requirements and added Striping as a Channelization Device on pg 23. Also, other revisions including ADA requirements for pedestrian facilities and general housekeeping items including formatting and table of contents.