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JAN 09 2014

ORDINANCE NO. 4515

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CHANDLER, ARIZONA, ADOPTING UPDATED VERSIONS OF PREVIOUSLY ADOPTED DESIGN AND CONSTRUCTION STANDARDS AND AMENDING CHAPTER 43, SECTION 43-4.5, SUBSECTIONS 43-4.5.A, 43-4.5.B, 43-4.5.D, 43-4.5.E, 43-4.5.F AND 43-4.5.I, CODE OF THE CITY OF CHANDLER, RELATING TO THE ADOPTION OF THESE UPDATED DESIGN AND CONSTRUCTION STANDARDS.

WHEREAS, the City of Chandler has previously adopted certain documents establishing minimum design and construction standards and specifications and believes it to be prudent to adopt the updated versions of those documents; and

WHEREAS, Chapter 43, Code of the City of Chandler, needs to be amended to reflect adoption of those updated documents.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Chandler, Arizona, as follows:

Section 1. That those documents identified below, three copies of each to remain on file in the Office of the City Clerk, each are hereby adopted by reference, with the additions, insertions, deletions and changes set forth herein, and each are hereby declared to be a public record.

- A. City of Chandler Standard Details and Specifications, January 2014 edition
- B. City of Chandler Technical Design Manual Numbers 1 and 2; Water and Wastewater System Design, January 2014 edition
- C. City of Chandler Technical Design Manual Number 4, Street Design and Access Control, January 2014 edition
- D. City of Chandler Technical Design Manual Number 5, Traffic Signal Design, January 2014 edition
- E. City of Chandler Technical Design Manual Number 6, Streetlight Design, January 2014 edition
- F. Uniform Standard Specifications and Details for Public Works Construction Sponsored and Distributed by the Maricopa Association of Governments, 2012 Edition, Arizona (includes 2014 revisions)

Section 2. Subsection 43-4.5.A. of Section 43-4 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.A. *City of Chandler Standard Details and Specifications*. That certain document on file with the City Clerk marked, known and designated as "City of Chandler Standard Details and Specifications", ~~March 2013~~ January 2014 edition, is hereby adopted by reference and made a part hereof as if set forth at length herein.

Section 3. Subsection 43-4.5.B. of Section 43-5 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.B. *City of Chandler Technical Design Manual, Numbers 1 and 2: Water and Wastewater System Design*. That certain document on file with the City Clerk marked, known and designated as "City of Chandler Technical Design Manual, Numbers 1 and 2: Water and Wastewater System Design", ~~March 2013~~ January 2014 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 4. Subsection 43-4.5.D. of Section 43-5 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.C. *City of Chandler Technical Design Manual, Number 4: Street Design and Access Control*. That certain document on file with the City Clerk marked, known and designated as "City of Chandler Technical Design Manual, Number 4: Street Design and Access Control", ~~January 2011~~ January 2014 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 5. Subsection 43-4.5.E. of Section 43-5 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.E. *City of Chandler Technical Design Manual, Number 5: Traffic Signal Design*. That certain document on file with the City Clerk marked, known and designated as "City of Chandler Technical Design Manual, Number 5: Traffic Signal Design", ~~March 2013~~ January 2014 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 6. Subsection 43-4.5.F. of Section 43-5 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.F. *City of Chandler Technical Design Manual, Number 6: Streetlight Design*. That certain document on file with the City Clerk marked, known and designated as "City of Chandler Technical Design Manual, Number 6: Streetlight Design", ~~February 2012~~ January 2014 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 7. Subsection 43-4.5.I. of Section 43-5 of Chapter 43, Code of the City of Chandler, is hereby amended to read as follows:

43-4.5.I. *MAG Uniform Standard Specifications and Details.* That certain document on file with the City Clerk marked, known and designated as Uniform Standard Specifications and Details for Public Works Construction, Sponsored and Distributed by the Maricopa Association of Governments, 2012 Edition, Arizona (~~includes 2013 revisions~~) (includes 2014 revisions) is hereby adopted by reference and made a part hereof as though set forth at length herein with the additions, insertions, deletions and changes set forth below.

1. The Public Works Director/designee is authorized to increase standard street cross sections, both pavement and right-of-way widths, as necessary to maintain required traffic service levels when a traffic analysis indicates the need for additional lanes of traffic.

2. Where MAG refers to corrective actions for deviations from standards and provides options for "When the contracting agency is the owner" or "When the contracting agency is not the owner (i.e. permits)", the Public Works Director/designee is authorized to utilize any of the corrective actions listed regardless of whether the City is the contracting agency or not.

INTRODUCED AND TENTATIVELY APPROVED by the City Council this 12th day of December 2013.

ATTEST:

CITY CLERK

MAYOR

PASSED AND ADOPTED by the City Council of the City of Chandler, Arizona this _____ day of _____, 2013.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATION

I HEREBY CERTIFY that the above and foregoing Ordinance No. 4515 was duly passed and adopted by the City Council of the City of Chandler, Arizona, at a regular meeting held on the _____ day of _____, 2013 and that a quorum was present thereat.

CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY *GAB*

PUBLISHED:

| <u>Document No.</u> | <u>Title</u> | <u>Sponsor</u> | <u>Revision Summary</u> |
|---|---|------------------|--|
| Streets/Traffic Details | | | |
| C-228 | TYPICAL DRIVEWAY ACCESS TO PRIVATE GATED COMMUNITY | Jason Richardson | Revise callout note for sidewalk ramp as "SIDEWALK RAMP PER CITY DETAILS". |
| C-230 | CONCRETE BUS BAYS | Dan Cook | Revision for ADA requirements. Note number 8 added: Must keep 8'x8' landing area clear of obstructions. |
| C-231 | RIGHT TURN/DECELERATION LANE FOR DRIVEWAYS | Dan Cook | Revision for ADA requirements. Note number 6 added: Must keep 8'x8' landing area clear of obstructions. |
| C-243 | SIDEWALK RAMP FOR ROLL CURB | Leann Johnson | Revision for detectable warning per approved products list. |
| C-245 | COMBINED SIDEWALK RAMP AND RESIDENTIAL DRIVEWAY | Jason Richardson | Revision for detectable warning per approved products list. And note regarding sidewalk easement needed for outside of right-of-way. |
| C-259 | MODIFIED ENTRANCE | Leann Johnson | Revision to note number 3, expansion joints should use MAG Section 340 for new construction instead of Section 729. |
| C-258, PG 1, 2, 3 | DIRECTIONAL SIDEWALK RAMP | Leann Johnson | Revision to note number 3, expansion joints should use MAG Section 340 for new construction instead of Section 729. |
| C-258, PG 1, 2, 4 | DIRECTIONAL SIDEWALK RAMP | Dan Cook | Revisions to note number 5 and details. Monolithic pour for ramp and back curb instead of using single curb. |
| C-258, PG 3 | DIRECTIONAL SIDEWALK RAMP LOCAL STREET | Donald Kirby | Revision to Local Street for tight return radius. Desire is to keep ramps within the curb return. |
| C-214 | PRIVATE SHARED DRIVEWAY TYPICAL CROSS SECTION & UTILITIES | Warren White | NEW detail for inverted crown private driveway. Intended for cluster developments. |
| Water/Wastewater/Reclaimed Details | | | |
| C-404 | RECLAIMED WATER SERVICE CONNECTIONS | Warren White | Revisions to PG's 3-9 and 11 with notes to indicate installation of backflow device is per Engineer of Records requirements. Consistent with TDM 1 and 2. |
| C-417 | INDUSTRIAL WASTEWATER FLOW MONITORING VAULT | Doug Toy | NEW detail for monitoring industrial wastewater flows. Two pages including overall site plan and details. |
| Technical Design Manuals | | | |
| TDM #1&2 | Water & Wastewater System Design | Lori McCallum | Revisions to include language prohibiting future connections of reclaimed water to single family, duplexes and triplexes per newly adopted Ordinance No. 4496. |
| TDM #1&2 | Water & Wastewater System Design | Doug Toy | Revisions to include language for using new wastewater flow monitoring vault (C-417). |
| TDM #4 | Street Design and Access Control | Jason Richardson | Add a note on page 25, table 5: "Dimensions shown are for rolled or ribbon curb, vertical curb shall be measured from Face-of-Curb to Face-of-Curb." A note of some sort for this item is needed for consistency for the fire dept. requirements. |
| TDM #4 | Street Design and Access Control | Warren White | Revisions for new cluster development standards. Table of Contents, Pg 3 definitions for driveways, Pg 19 new sub-section 3.11 "Cluster Development with Private Shared Driveway", and revised section 5.4 to include "Private Streets and Private Shared Driveways" and references to the new stds. |
| TDM #5 | Traffic Signal Design | Hong Hou | Revisions related to placement of signal heads. NEW details TS17A and TS17B added. Clarification revisions. |
| TDM #6 | Street Light Design | Mike Mah | Revisions to require LED for new subdivisions and provisions to continue use of prevailing luminaire type for in-fill projects unless otherwise approved by City Transportation Engineer. Appendix A provides standards for illumination level requirements and spacing. |