



MEMORANDUM **Transportation & Development – Memo No. TDE15-005**

DATE: JUNE 11, 2015

TO: MAYOR AND COUNCIL

THRU: MARSHA REED, ACTING CITY MANAGER *MR*
NACHIE MARQUEZ, ASSISTANT CITY MANAGER *NM*
R.J. ZEDER, TRANSPORTATION & DEVELOPMENT DIRECTOR *DW*
DANIEL W. COOK, CITY ENGINEER *DW*

FROM: WARREN WHITE, PRINCIPAL ENGINEER *DW*

SUBJECT: INTRODUCTION AND TENTATIVE ADOPTION OF ORDINANCE NO. 4644
ADOPTING UPDATED FIRE DEPARTMENT STANDARD DETAILS AND
PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS AND
AMENDING CHAPTER 43, SECTION 43-4.5, SUBSECTIONS 43-4.5.A, 43-
4.5.B, 43-4.5.C, 43-4.5.D, 43-4.5.F, AND 43-4.5.I, OF THE CODE OF THE
CITY OF CHANDLER

RECOMMENDATION: Staff recommends introduction and tentative adoption of Ordinance No. 4644 adopting updated Fire Department Standard Details and Public Works design and construction standards and amending Chapter 43, Section 43-5, Subsections 43-4.5.A, 43-4.5.B, 43-4.5.C, 43-4.5.D, 43-4.5.F and 43-4.5.I, of the Code of the City of Chandler.

BACKGROUND/DISCUSSION: The City maintains and publishes Fire Department Standard Details, Engineering Standard Details and Specifications, and Technical Design Manuals, which have been developed to guide developers and City staff on the design and construction of the City’s infrastructure. These documents are adopted by the City Council.

In addition to general revisions, this mid-year package incorporates further refinements to our existing directional curb ramp standards, and new installation/upgrade standards for curb ramps and sidewalks for private development projects, Capital Improvement Projects, and mill and overlay programs to further meet the Americans with Disabilities Act requirements. Also included are new standards for on-street parking with bulb-outs expected to be used largely in the downtown area.

The Engineering Design Standards Committee, with cross-departmental representation, reviews proposed changes to our design standards and makes recommendations for annual updates. This

process also involves reviewing the Maricopa Association of Governments (MAG) Specifications and Standards and their annually-proposed revisions to determine if City standards could be removed in favor of MAG standards.

This Ordinance would amend the following design standards:

- 2013 Edition, Fire Department Standard Details
- January 2014 Standard Details and Specifications Manual
- January 2014 Technical Design Manual #1 & 2, Water & Wastewater System Design
- March 2013 Technical Design Manual #3, Drainage Policies and Standards
- January 2014 Technical Design Manual #4, Street Access and Design Control
- January 2014 Technical Design Manual #6, Streetlight Design
- In addition, this Ordinance would adopt the 2015 revisions to the MAG Uniform Standard Specifications and Details with certain modifications

The recommended revisions have been reviewed and approved by the Engineering Design Standards Committee consisting of Engineering, Offsite Inspection, Transportation, Water/Wastewater, and Planning divisions. The revisions were provided to members of the industry including the Homebuilders Association, Multi-housing Association, utility providers, and engineering design consultants. Comments received were incorporated into these revisions where appropriate.

The complete set of revised Standard Details and Specifications are on file with the City Clerk and available for review. A detailed summary of the changes is also attached.

FINANCIAL IMPLICATIONS: None.

PROPOSED MOTION: Move that Council introduce and tentatively adopt Ordinance No. 4644 adopting updated Fire Department Standard Details and Public Works design and construction standards and amending Chapter 43, Section 43-5, Subsections 43-4.5.A, 43-4.5.B, 43-4.5.C, 43-4.5.D, 43-4.5.F and 43-4.5.I, of the Code of the City of Chandler.

ATTACHMENTS:

Ordinance No. 4644 (redline)

Ordinance No. 4644 (clean copy)

Change Summary 2015

FD Change Summary 2015

ORDINANCE NO. 4644

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CHANDLER, ARIZONA, ADOPTING UPDATED VERSIONS OF PREVIOUSLY ADOPTED FIRE DEPARTMENT STANDARD DETAILS AND PUBLIC WORKS DESIGN AND CONSTRUCTION STANDARDS AND AMENDING CHAPTER 43, SECTION 43-4.5, SUBSECTIONS 43-4.5.A, 43-4.5.B, 43-4.5.C, 43-4.5.D, 43-4.5.F AND 43-4.5.I, OF THE 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 technical standard details for use by the Fire Department in reviewing construction plans and believes it to be prudent to adopt the updated versions of those details; and

WHEREAS, the City of Chandler has previously adopted certain documents establishing minimum public works 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 public works documents.

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

Section 1. That the Fire Department Standard Details, 2015 Edition, three copies of each to remain on file in the Office of the City Clerk, is hereby adopted by reference, with the additions, insertions, deletions and changes set forth herein, and is hereby declared to be a public record.

Section 2. That those public works 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, July 2015 edition.
- B. City of Chandler Technical Design Manual Numbers 1 and 2; Water and Wastewater System Design, July 2015 edition.
- C. City of Chandler Technical Design Manual Number 3, Drainage Policies and Standards, July 2015 edition.
- D. City of Chandler Technical Design Manual Number 4, Street Design and Access Control, July 2015 edition.
- E. City of Chandler Technical Design Manual Number 6, Streetlight Design, July 2015 edition.

- F. Uniform Standard Specifications and Details for Public Works Construction Sponsored and Distributed by the Maricopa Association of Governments, January 2015 Edition.

Section 3. 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”, ~~January 2014~~ July 2015 edition, is hereby adopted by reference and made a part hereof as if set forth at length herein.

Section 4. 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", ~~January 2014~~ July 2015 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 5. Subsection 43-4.5.C. 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, Numbers 3: Drainage Policies and Standards.* That certain document on file with the City Clerk marked, known and designated as "City of Chandler Technical Design Manual, Numbers 3: Drainage Policies and Standards", ~~March 2013~~ July 2015 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 6. 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 2014~~ July 2015 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 7. 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", ~~January 2014~~ July 2015 edition, is hereby adopted by reference and made a part hereof as though set forth at length herein.

Section 8. 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 2015 Edition, Arizona (~~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 ADOPTED by the City Council this 11th day of June 2015.

ATTEST:

CITY CLERK

MAYOR

PASSED AND ADOPTED by the City Council of the City of Chandler, Arizona this _____ day of _____, 2015.

ATTEST:

CITY CLERK

MAYOR

CERTIFICATION

I HEREBY CERTIFY that the above and foregoing Ordinance No. 4644 was duly passed and adopted by the City Council of the City of Chandler, Arizona, at a regular meeting held on the _____ day of _____, 2015 and that a quorum was present thereat.

CITY CLERK

APPROVED AS TO FORM:

CITY ATTORNEY

PUBLISHED:

<u>Document No.</u>	<u>Title</u>	<u>Revision Summary</u>
General/Other		
C-113	TRASH RECEPTACLE ENCLOSURE	Adding * note for a 5' min wall and gate height for recessed trash receptacle enclosures.
Streets/Traffic Details		
C-201	STANDARD UTILITY LOCATIONS COLLECTOR STREETS	Revision to note regarding waiving sidewalk in industrial areas.
C-202	STANDARD UTILITY LOCATIONS LOCAL STREETS	Removing note regarding waiving sidewalk requirement and removing (non-private) reclaimed water exclusion per TDM# 1&2 changes.
C-203	MAJOR ARTERIAL STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP. Also, referencing COC C-807 detail in note #6 for past update.
C-204	PHASED MAJOR ARTERIAL STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP. Also, referencing COC C-807 detail in note #6 for past update.
C-205	MINOR ARTERIAL STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP. Also, referencing COC C-807 detail in note #6 for past update.
C-206	COLLECTOR STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP. Also, referencing COC C-807 detail in note #6 for past update.
C-206	COLLECTOR STREET WITH MEDIAN TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway only in industrial areas.
C-208	INDUSTRIAL COLLECTOR STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.
C-209	COLLECTOR BOULEVARD TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.
C-210	COLLECTOR STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.
C-211	LOCAL STREET WITH MEDIAN TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP. Also, referencing COC C-807 detail in note #6 for past update.
C-211	LOCAL STREET WITH MEDIAN TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway.
C-212	LOCAL BOULEVARD WITH FRONTAGES LESS THAN 65' TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.
C-212	LOCAL BOULEVARD WITH FRONTAGES LESS THAN 65' TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway only in industrial areas.
C-213	LOCAL STREET TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP..
C-213	LOCAL STREET TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway.
C-221	LOCAL BOULEVARD WITH FRONTAGES OF 65' TO 90' TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.

C-221	LOCAL BOULEVARD WITH FRONTAGES OF 65' TO 90' TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway only in industrial areas.
C-222	LOCAL BOULEVARD WITH FRONTAGES GREATER THAN 90' TYPICAL CROSS SECTION	Revision to sidewalk slope requirements: 1.5% TYP.
C-222	LOCAL BOULEVARD WITH FRONTAGES GREATER THAN 90' TYPICAL CROSS SECTION	Revision to remove Note #4 regarding waiving the sidewalk requirement on one side of roadway only in industrial areas.
C-231	RIGHT TURN/DECELERATION LANE FOR DRIVEWAYS	Revision to sidewalk per MAG 230.
C-232	CUL-DE-SAC	Revisions to dimensions to clarify requirements.
C-233	VALLEY GUTTER	Modifications to remove the 3' valley gutter references and new title "8' MID-BLOCK VALLEY GUTTER".
C-243	SIDEWALK RAMP FOR ROLL CURB	Changing title to "CURB RAMP FOR ROLL CURB", also revising slope requirements.
C-244	SIDEWALK RAMP INTERSECTIONS FOR ROLL CURB	Removing this detail in favor of C-258 Pg 3.
C-249	ACCESSIBLE RAMP ALIGNMENT	Revisions to width between ramps and allowable width for pedestrian access route. Also, changing title to "ACCESSIBLE CURB RAMP ALIGNMENT".
C-257	SIDEWALK IN-LINE RAMP DETAIL FOR RETURN TYPE DRIVEWAY	Revisions to slope requirements for pad area and additional notes. Also, changing title to "IN-LINE RAMP DETAIL FOR RETURN TYPE DRIVEWAY".
C-258 Pg 1 of 3	DIRECTIONAL SIDEWALK RAMP ARTERIAL STREETS	Revisions to slope requirements, changing min. width between ramps from 5' to 1' and making curb at back of ramp optional. Also, changing title to "DIRECTIONAL CURB RAMP ARTERIAL STREETS".
C-258 Pg 2 of 3	DIRECTIONAL SIDEWALK RAMP COLLECTOR STREETS	Revisions to slope requirements, changing min. width between ramps from 5' to 1', changing ramp width from 5' to 4' and pad area to 4'x4' and making curb at back of ramp optional. Also, changing title to "DIRECTIONAL CURB RAMP COLLECTOR STREETS".
C-258 Pg 3 of 3	DIRECTIONAL SIDEWALK RAMP LOCAL STREETS	Revisions to slope requirements for pad area, changing min. width between ramps from 5' to 1', changing ramp width from 5' to 4' and pad area to 4'x4' and making curb at back of ramp optional. Also, changing title to "DIRECTIONAL CURB RAMP LOCAL STREETS".
C-259	MODIFIED ENTRANCE	Revisions to slope requirements.
C-215	ON-STREET PARKING TYPICAL CROSS SECTION	New roadway cross section detail showing both parallel and angle parking options.
C-260 Pg 1 of 2	ON-STREET PARKING USING BULB-OUTS	New detail showing construction requirements for angle and parallel parking options.
C-260 Pg 2 of 2	ON-STREET PARKING ACCESSIBLE SPACES	New detail showing construction requirements for accessible parking.
C-500	SCUPPER	Revisions to show safety railing requirements and only needed when 30" drop is exceeded.
C-601 Pg 1 of 2	STREET NAME SIGNS (FOR PUBLIC STREETS)	Revisions related to Clearview font

C-601 Pg 2 of 2	STREET NAME SIGNS (FOR PRIVATE STREETS)	Revisions related to Clearview font
C-606	INTERNALLY ILLUMINATED STREET NAME SIGN	Revisions related to Clearview font
C-611	HANDICAP PARKING SPACE SIGN	Revisions to height requirements, notes and sign enhancements.
C-612	HANDICAP PAVEMENT MARKING SYMBOL	Revision to size of symbol, notes and standard.
Water/Wastewater/Reclaimed Details		
C-301 Pg 1 of 2	WATER SERVICE INSTALLATION	Revisions to angle ball valve and corp stop approved products.
C-303	FIRE HYDRANT	Adding Pg 2 for hydrant painting requirements since FD Detail FD121 is going away.
C-303	FIRE HYDRANT	Revision to remove the hydrant lock requirements. Also, adding note for standard bury depths are 36", 48" and 54". And revision to note to not allow extensions.
C-304	FIRE HYDRANT LOCK	Removing this detail since no longer required.
C-307	VALVE BOX INSTALLATION (POTABLE WATER)	Removing extension stem and debris cap requirements.
C-309	PRESSURE VACUUM BREAKER BACKFLOW PREVENTION ASSEMBLY INSTALLATION - 2" AND UNDER	Removing this detail since no longer in use.
C-310	DOUBLE-CHECK VALVE BACKFLOW PREVENTION INSTALLATION - 3" AND UNDER	Removing this detail since no longer in use.
C-312	DOUBLE-CHECK VALVE BACKFLOW PREVENTION ASSEMBLY 2 1/2", 4", 6", 8", 10" PRIVATE DOMESTIC WATER MAIN	Removing this detail since no longer in use.
C-314	DOUBLE-CHECK VALVE BACKFLOW PREVENTION ASSEMBLY 3", 4", 6", 8", 10"	Removing this detail since no longer in use.
C-316	3" TO 10" METER VAULT	Revision to hatch requirements. Syracuse product no longer available, switching to Ejco Group, Inc or approved equal.
C-406 Pg 1	VALVE BOX INSTALLATION (RECLAIMED WATER)	Removing extension stem and debris cap requirements.
C-417 Pg 1	INDUSTRIAL MONITORING VAULT DETAILS	Revisions related to design, construction and depth.
Technical Design Manuals		

TDM #1&2	Water & Wastewater System Design	Revision to Pg 23 under Manhole Section adding note "Each IMV with height exceeding 5-feet shall be custom designed by the appropriate design professional(s)."
TDM #1&2	Water & Wastewater System Design	Revision to Pg 21, Pipe Materials: removing certification requirement for PVC.
TDM #1&2	Water & Wastewater System Design	Revision to Pg 10, Section G, I. General: all 8" and larger sewers shall be videotaped.
TDM #1&2	Water & Wastewater System Design	Minor revision Pg 10, section k, replaced DIP sleeve with PVC.
TDM #1&2	Water & Wastewater System Design	Minor revision Pg 23, J, Service Connections - - sewer tap type clarified.
TDM #1&2	Water & Wastewater System Design	Revision to Pg 9 and Pg 26, Easement Requirements. Minimum easement width changing from 12' to 16' for water and reclaimed lines.
TDM #1&2	Water & Wastewater System Design	Revisions to Pg 14 requiring a new fire hydrant when hydrants are relocated.
TDM #1&2	Water & Wastewater System Design	Revisions to Chapter 4, Reclaimed Water Distribution System, sub section J. private reclaimed line allowances and requirements.
TDM #3	Storm Drainage Policies and Standards	Revision to page 6, Section 6.2 Public Safety. Safety rail requirements for stormwater structures 72" (OHS) in fenced off areas not expecting pedestrian travel.
TDM #3	Storm Drainage Policies and Standards	Revision to Storm Inlets Section 6.5.2 to be more specific as to preference. Also, reordering paragraphs for clarification.
TDM #3	Storm Drainage Policies and Standards	Revision to add back previously removed On Lot Retention requirements for historically approved lots. Added as Section 6.11.4.
TDM #3	Street Design and Access Control	Revisions on Section 6.7 related to equalizer pipe requirements.
TDM #4	Street Design and Access Control	Revisions on Section 3.9 Drainage structures related to valley gutters. Also, revisions to Section 6.6 for storm pipe diameter allowances.
TDM #4	Street Design and Access Control	Revision to page 26, Table 5, removing (*) related to Back-of-Curb Width and removing note "Dimensions shown are for rolled or ribbon curb, vertical curb shall be measured from Face-of-Curb."
TDM #4	Street Design and Access Control	Revisions to Table 7, Pg 35, Recommended Driveway Dimensions Along Arterial and Collector Streets (F/C)
TDM #4	Street Design and Access Control	New On-Street Parking with Bulb-Outs Section 5.7 added.
TDM #4	Street Design and Access Control	New ADA Curb Ramps and ADA Sidewalks Sections 3.12 and 3.13 added. Requirements for private development, CIP and mill and overlay projects.
TDM #6	Streetlight Design	Revision to SL-1 to remove letter references in Detail SL-3 that were removed in a prior revision.
TDM #6	Streetlight Design	Revision to Section 5.2, should reference Section 9 instead of 16. Also, Section 9, item 4 the Detail is SL-3, not 3B.
TDM #6	Streetlight Design	Making LED the standard and revisions to remove all references to the use of HPS luminaires.

FIRE PREVENTION CHANGE SUMMARY 2015

<i>Document</i>	<i>Title</i>	<i>Revision Summary</i>
Standard		
FD102	FIRE LINE INSTALLATION (NO ON-SITE HYDRANTS REQUIRED/FOR SMALL SITES AND/OR SINGLE BUILDINGS)	DETAIL REVISION TO 4" PIPE TO STATE MINIMUM SIZE OF PIPE. REVISION TO GENERAL NOTES: #1 TO STATE WHERE FDC'S SHALL BE PLACED. DELETE "OR DESIGNER" FROM #4 UNDER GENERAL NOTES.
FD103	FIRE LINE INSTALLATION (ON-SITE HYDRANTS REQUIRED/FOR LARGE SITES AND/OR MULTIPLE BUILDINGS)	DETAIL REVISION TO 4" PIPE TO STATE MINIMUM SIZE OF PIPE. ADDITION TO THE END OF NOTES TO CLARIFY WHERE FDC SHALL BE LOCATED. ADD SENTENCE TO END OF NOTES #5 REFERRING TO FD105.
FD104	FIRE DEPT. VALVE SIGNAGE	REMOVE THE EXAMPLE SIGNAGE "C". CHANGE TITLE OF FD104.
FD105	FIRE SPRINKLER SYSTEM RISER COMMERCIAL INSTALLATION	ADD #3 TO THE NOTES PERTAINING TO A TAMPER SWITCH.
FD106	FIRE RISER ROOM AND FIRE ALARM PANEL SIGNAGE	DELETED
FD107	TEMPORARY FIRE DEPT. ACCESS ROAD SIGNAGE	DELETED
FD108	TEMPORARY FIRE DEPT ACCESS ROAD SIGNAGE	TITLE CHANGE TO "FIRE DEPT EMERGENCY ACCESS GATE SIGNAGE".
FD109	EMERGENCY ACCESS BARRIER	CLARIFY TYPE OF LOCK ALLOWED TO #2 GENERAL NOTES. ADD #11 TO GENERAL NOTES. APPROVAL FOR OTHER GATE DESIGNS.
FD111	FIRE LANE SIGNAGE	CHANGE IN THE FIRE LANE NO PARKING SIGNAGE.

FIRE PREVENTION CHANGE SUMMARY 2015

FD112	ALTERNATIVE FIRE LANGE SIGNAGE (APPROVAL BY FIRE MARSHAL ONLY)	DELETE MINIMUM STREET WIDTH FOR FIRE LANE SIGN PLACEMENT. CHANGE IN WORDING FOR #1 UNDER GENERAL NOTES. ADDITIONAL WORDING FOR #10 UNDER GENERAL NOTES. #11 ADDED TO GENERAL NOTES STATING CITY DOES NOT SUPPLY SIGNS. TITLE CHANGE TO DETAIL
FD115	BLOCKED DOOR SIGNAGE	ADD TO NOTES #4: SIGN MAY BE STENCILED ON DOOR. DELETE (INTERIOR WALL) IN TITLE OF DETAIL.
FD121	HYDRANT IDENTIFICATION AND COLOR CODING	DELETED
FD123	FIRE HYDRANT "OUT OF SERVICE" SIGNS	DELETED
FD124	UNAUTHORIZED WATER VALVE SHUT OFF	DELETED
FD141	FIRE APPARATUS ROADWAYS AND TURNAROUNDS	DEMENSION CHANGES FOR FIRE APPARATUS ROADWAY AND TURNAROUNDS
FD143	FIRE APPARATUS ROADWAYS AND TURNAROUNDS PRIVATE RESIDENTIAL CUL-DE-SAC	DEMENSION CHANGES FOR FIRE APPARATUS ROADWAYS AND TURNAROUNDS IN PRIVATE RESIDENTIAL CUL-DE-SAC
FD144	FIRE SPRINKLER RISER W/BLACKFLOW PREVENTION (DOWNTOWN INSTALLATION ONLY)	NEW DETAIL: FIRE SPRINKLER RISER W/ BACKFLOW PREVENTION IN THE DOWNTOWN AREA.