

**City of Urbandale  
Design Addendum  
To Iowa Statewide Urban Design and Specifications  
Design Manual for Public Improvements – 2021 Edition  
January 2021**

Division	Section	Page	Description of Change										
2	2D-1	1	Insert new "B.1.e Sump drain lines or footing drains shall be installed to provide drainage and a service stub shall be provided for each lot."										
2	2D-1	2	Modify D.5.b. to include "Filter fabric required under all rip-rap."										
3	3C-1	1	Replace A. with "Capacity of Pipe Peak flow should not exceed the following percentages of the full flow values based on pipe size:										
			<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Pipe Size (in.)</th> <th style="text-align: center;">Peak Flow as a Percentage of Full Flow Capacity (%)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">8-10</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">12-15</td> <td style="text-align: center;">65</td> </tr> <tr> <td style="text-align: center;">18-24</td> <td style="text-align: center;">80</td> </tr> <tr> <td style="text-align: center;">Greater than 24</td> <td style="text-align: center;">90</td> </tr> </tbody> </table>	Pipe Size (in.)	Peak Flow as a Percentage of Full Flow Capacity (%)	8-10	60	12-15	65	18-24	80	Greater than 24	90
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3	3C-1	1	Modify B, third paragraph. "The maximum velocity flowing full is 12 feet per second."										
3	3C-1	2	Add to E. "Minimum pipe slope must also meet or exceed Iowa Department of Natural Resources design standard requirements. Maximum grade on sewers 12" and smaller should not exceed 7%."										
3	3C-1	6	Revise I.2.a. Replace "20 feet" with "30 feet."										
3	3C-1	10	Add new Section P, "Recycling Requirements. All car wash facilities shall recycle at least one third of the water used in the wash process."										
4	All	All	Delete entire chapter and insert "Water main standards in the City of Urbandale shall meet the requirements of the Urbandale Water Utility Standard Specifications for Water Mains and Appurtenances."										

Division	Section	Page	Description of Change										
5	5C-2	15	<p>Delete Table 5C-2.02.</p> <p>Section L - add a new paragraph, "Street rights of way shall meet the following standards:"</p> <table border="1"> <thead> <tr> <th>Classification</th> <th>Right of Way</th> </tr> </thead> <tbody> <tr> <td>Local Street</td> <td>50 feet</td> </tr> <tr> <td>Collectors</td> <td>60 feet, except at intersections which shall consist of 70 feet for a distance of 300 feet from a Major Arterial or to the first intersection.</td> </tr> <tr> <td>Minor Arterial</td> <td>100 feet</td> </tr> <tr> <td>Major Arterial</td> <td>120 feet, or less with Jurisdictional Engineer Approval</td> </tr> </tbody> </table>	Classification	Right of Way	Local Street	50 feet	Collectors	60 feet, except at intersections which shall consist of 70 feet for a distance of 300 feet from a Major Arterial or to the first intersection.	Minor Arterial	100 feet	Major Arterial	120 feet, or less with Jurisdictional Engineer Approval
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5	5C-2	15	<p>Section O - Delete the last sentence and add "The transition radius with the approach street shall be 92.5 feet for the paving and 80 feet for the right of way."</p> <p>Add new paragraph, "Without Jurisdictional Engineer approval, the length shall not exceed 600 feet measured from the center line of the intersecting street to the center of the turn-around. The cul-de-sac may not serve more than forty (40) dwelling units."</p>										
10	10A-1	1	<p>Insert new paragraph - "B.1.d - Street trees require City Council Approval."</p>										