



# STORM DRAIN Checklist

<b>NUMBER</b>		<b>NOT REQ'D</b>	<b>NOT DONE</b>	<b>SATISFIED</b>				
					REVIEW # _____			
					BY _____	DATE _____		
	<b>ITEMS</b>				<b>Location in Standards</b>			

<b>General</b>					
1	Review General & Grading Checklists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See City Of Goodyear Engineering Web Site
<b>Cover Sheet Or Sheet 2</b>					
2	COG General Notes For Grading & Drainage Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3
<b>Plans</b>					
3	Scale 1"=20' Horizontal, 1"=2' Min Vertical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(A.12)
4	Arterial -10-Year Design (Local 5-Year) Street Capacity Contained Within Curbs (Art & Major Collector 1 Dry 12' Lane In Each Direction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.1(B) Table 3.3-1 Hydrology Design Criteria
5	City Maintained Storm Drain Shall Be In R/W Or Easement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.4(B)
6	Stationing & Offset From Centerline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(A.7) G-3130 G-3132 G-3143 G-3136
7	6' Horizontal Separation From Water & Sewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(D)
8	Developments Within ¼ Mile Of Public SD Or Man-Made/Natural Channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.8.c.) 3.1.2(C)
9	18" Min. Lateral Size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(C.4) 3.3.5(C.8.b)
10	Pipe Material RGRCP Class III Min. (Class IV Req'd. If < 2' Cover Up To The Pavement Section, No Pipe In Pavement Section, HDPE Up To 48" Ø)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.4(A) G-3540-1 MAG Spec 618.3
11	Pavement Cuts Not Permitted (All New Pavement Is To Remain In A New Uncut Condition For A Period Of 5 Years Or Pay Fee)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1.7(A.7) Per Ord No.2000-697, Pavement Cut Fee Schedule
12	Catch Basins Per G-3535-1,-2,-3 Type M (Note Wing Length & 'V' On Plans)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(A.7.a) G-3535-1-3 Table "A"
13	Headwalls & Vertical Face Drops Of More Than 2' Require Safety Rail (Includes Sidewalks & Retaining Walls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1.5(B.3) Safety Rail Per MAG 145 Painted To Match Nearest Structure, Wall, Or Landscaping Per ADOT Specs.
14	SD Outlet ≥ 18" Ø - Headwall Required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	No Bubble-Ups Allowed To Discharge Street Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(E)
16	Encasement Shown In Plan & Profile For Shallow Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MAG 507



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17	Existing Tail Water Ditch Or Pipes Still In Use? If Not, Does The Irrigation District Need To Sign Off?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RID, MWD
<b>Profile</b>					
18	Storm Drain Profiled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2.11.2(E.1.b)</u>
19	Profile Utility Crossings, Label Min. Separation (2' Min. Vert. Separation Under & Over Water, Reclaimed Water, Or Sewer)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2.11.2(D.1.b.6)</u> <u>3.2.4(B.4)</u> <u>5.1.4(J.5)</u>
20	0.1' Min. Drop In MH If Intersecting Pipes Are >30° (<90° Not Allowed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.3(C.6)</u>
21	Changes In Pipe Size - Match Crowns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.4(B.2.d)</u>
22	Show Wing Length & V @ Catch Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.3(A.7.a)</u> <u>G-3535-1-3 Table "A"</u>
23	Show HGL For 10-Yr. 6 Hr., 1' Below Finish Grade At All Storm Drain Structures (MH, CB, HW)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.3(C.5)</u>
24	Velocity Between 3 fps - 9 fps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.3(C.3)</u>
25	Pipe At Headwall Needs A Min. Cover Of 9" (12" Without Rip-Rap)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>MAG 501-1</u>
<b>Manholes</b>					
26	Manholes Per MAG Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.4(B.1)</u>
27	MH Spacing 18"-36" Pipe Dia. = 400', 36"+ Pipe Dia.=660'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.3.4(B.3)</u>
<b>Additional Notes on Plans</b>					
28	If Connecting To An Existing Storm Drain System "Contractor Shall Verify The Location Of The Existing Storm Drain Line Before Proceeding With Trenching"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>3.2.4(B.3)</u>