


NUMBER		NOT REQ'D	NOT DONE	SATISFIED	 SEWER Checklist			
					REVIEW #			
					BY		DATE	
	ITEMS				Location in Standards			

General					
1	Review General Checklist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See City Of Goodyear Engineering Web Site
2	Plans Satisfy City's Master Sewer Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2.1
3	Sewer Design Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.6.1(F) 6.2.1
Cover Sheet					
4	COG General Notes for Sewer Construction (Or On Sheet 2) (See Liberty Checklist For Private Req'd. Notes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.7 G-3112
5	MCESD / Private Sewer Company Blocks & Approvals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.2.3 2.3.4(A) 2.6.1(M) 2.13.2 6.1.1(C) G-3112
6	Add Utility No Conflict Certification Block (Filled Out & Signed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.2.3 G-3112
7	Master Utility Sheet 1"=100' Scale (Include MH Nos. & Line Sizes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(A.20)
Plan Sheets					
8	Scales 1"=20' Horizontal, 1"=4' Vertical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(A.12)
9	All Mains Shall Be In The R/W Or Easement Not Less Than 20' Wide (30' Min. Width For 12" To 20" And Deeper Than 10', Pipes >20" Esm't Width To Be Determined)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(C&D) G-3130 G-3132 G-3134 G-3136
10	Curved Sewer Lines Prohibited	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(H)
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	Sewer Line & MH Shall Not Cross Centerline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(C.3) 6.3.2(B.1) G-3130 G-3132 G-3134 G-3136
13	Dimension Separation Between All Utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(E) 6.4.3(E) MAG 404-1,2,3
14	No Sewer Clean Outs Allowed In R/W For Gravity Sewer Allowed On Force Mains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(B.4) 6.4.3(D.1)
15	Sewer Line Stationing Shall Be Along The Pipe Centerline Or Roadway Centerline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2.3(B.3) 6.3.1(B.1)
Line Sizes & Cover					
16	Stub Every ¼ Mile On Arterial Streets (12" Ø At ½ Mile & 8" Ø At ¼ Mile)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2.3(B.6)



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17	City Line 8" Ø Min.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(A.2)
18	4" -15" Ø (Use DIP, PVC, Or VCP) 15" -24" Ø (Use Lined DIP, Or VCP) >24" Ø Case By Case (Pipes <15' Deep Use SDR 35, Pipes 15'-30' Deep Use SDR 26)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(A.1) See City Sanitary Sewer Materials List On City Of Goodyear Engineering Website
19	Sewer Must Be DIP If Between 1'-2' Above Water & >2' Below Water (Cannot Be <1' Above Or <2' Below Water)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MAG 404-1,2,3
20	Min. Cover When Sewer Crosses: Irrigation Ditch - 4' (Or 6" Concrete Cap) Retention Basin - 3' (Or 6" Concrete Cap)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(F.3) 6.3.1(F.4) 3.3.5(C.7.e)
21	Sewer Main - 6' Min. Cover Laterals - 4' Min. Cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(F.1) 6.3.1(F.2)
22	Invert Elevations & Slopes (Required On Stubs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2 6.2.3(B.6)
23	Sewer Marker Ball Required At End Of Off-Site Stubs That Are Hard To Locate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G-3429
Services					
24	Sewer Service Taps Shall Be: <10' Deep - MAG 440-1 10'-15' Deep - COG G-3430 15'+ Deep - COG G-3430-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MAG 440-1,2,3,4 G-3430-1,2 G-3429
25	Max. No. Of Service Lines In MH - 3 (In Cul-De-Sac), 2 (At Other Locations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.2)
26	Dimension & Station Sewer Taps Using Downstream Manhole (With MH Sta 0+00)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.5)
27	New Service Taps On Ex. Lines ≥6" Ø Prohibited	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.8)
28	Manhole Service Tap - Invert Not Below Outfall Pipe Crown Or 1.5' Above	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.3)
29	No Sewer Taps Provided For Commercial Sites Without A Building (Unless Requested By Owner Of Site)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(B.3)
30	3' Min. Separation Between Service Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.4)
31	New Service Lines Into Main Must Be In MH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.8)



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32	12" Min. Separation For Services Under Waterline (Use DIP Or Encasement If Over Water – 3' Each Side Of Crossing)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(C.3) 6.3.3(C.4)
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Manholes

33	Manholes Tied To Centerline Station & Offset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(B.6)
34	Max. MH Spacing 8"-15" Ø=400', 18"+ Ø=500'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(B.2)
35	All Manholes - 5' Ø, 30" Rim, Type 'A' (With Corrosion Resistant Coating & No Steps)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(A) MAG 420 MAG 424-2 Coating Per Approved Materials List
36	Sewer Pipes Shall Not Intersect Manhole At <90°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(B.1)
37	MH Shall Be Located In Center Of Traffic Lane (Not Located In Bike Lanes, Crosswalks, Sidewalks, Etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(B.3)

Profiles

38	Check Profile Design (Line Slope & Length Shown)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(E.2) Table 6.3-1
39	Min. 2 FPS & Max. 9 FPS (4"-10" Ø) Min. 2.5 FPS & Max. 10 FPS (12"+ Ø)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(B.1) Table 6.3-1
40	Show Manhole Rim Elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(E)
41	Manhole Drop (Requirements By Alignment) 0.1' = 30°-60°, 0.2' = 60°-90°	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(G)
42	Different Sized Pipes In MH - Match Crowns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(G.1) 6.3.2(C.2)
43	Min. Separation Callouts In Plan & Profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(E)
44	Encasement Shown In Plan & Profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2.3(B.4) MAG 404-3 MAG 507
45	Max. 12" To Inverts Across MH Or Add Drop Manhole (No Drops Between 1'-2.5')	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.2(D) MAG 426
46	Backflow Prevention Valves Required If FF Below The Upstream & Downstream MH Rim Elev. (With Anti-Flood Sewer Valve)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.3(A.9)
47	Check Cover & Depth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(F)

Pavement Treatment



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48	Any Trench Cut In Existing Pavement >600' In Length Must Include Resurfacing The Pavement (Discuss w/Streets For Preferred Alternative To The MAG Required Coated Chips. Add Construction Note To Plans)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MAG 336.2.4
49	Per Mag 336.2.4.1.G – Lines >300', Half-Street Seal Coat Is Required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Note Below
Add Notes:					
50	“Contractor To Tie-In New Work To The Existing, Active System Only After Completion Of The New Work, And With Specific Approval Of The Engineering Inspector To Make The Tie-In.”	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(I) Add In Sewer Notes Or On Utility Sheet
51	On Residential Plans “If A Sewer Service Falls Under A Driveway During Construction Of A Home, It Shall Be Relocated Or A MAG 440-2 Cleanout Installed At The PUE Line At The City’s Discretion.”	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.1(E.1.b)

MAG 336.2.4.1(G)

(G) Pavement replacement extending to the edge of asphalt pavement not abutting concrete shall have a safety edge or thickened edge constructed per Detail 201 as deemed appropriate by the local jurisdiction.
 For trench cuts, pavement widening, or other partial pavement installations greater than 300 feet in length the entire area shall be slurry seal coated in accordance with Section 332 or as otherwise specified. The seal coat shall extend from the edge of pavement or lip of gutter to the street centerline except that on residential streets less than 36 feet face to face of curb and where the pavement patch straddles the centerline, the entire width of street shall be seal coated.
 In lieu of placing the seal coat as required previously, and with approval of the local jurisdiction, the Contractor may deposit with the Street Maintenance Department for credit, a negotiated agreed upon amount. The Street Maintenance Department will incorporate this work into their street maintenance program.