




NUMBER		NOT REQ'D	NOT DONE	SATISFIED				
					REVIEW #			
					BY		DATE	
	ITEMS				Location in Engineering Design Standards & Policy Manual			


Cover Sheet						
1	RID Signature Block (Signed & Sealed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.2.3 2.3.2(A.3) 2.6.1(M) 2.13.2	
2	Check If Existing Tail Water Ditch Or Pipes Are Still In Use (If Not, Does The Irrigation District Need To Sign Off On The Plans?)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Detail or Notes Sheet (Sheet 2)						
3	COG General Notes For Grading & Drainage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3 2.11.1(A.8)	
4	Grading Details & Typical Sections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(D.1.a.1) 2.11.4(C.2) 4.1.9(B.1) G-3206	
5	Lot Grading Detail (Lots Shall Be 1% Min. To Street, Show Detail)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.1(C.1) 3.2.1(C.2) G-3580	
Plan Sheets						
6	Scale 1"=40' Min.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(A.12)	
7	No Grading Outside Of Property Lines Without An Easement (Show Limits Of Grading)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3(D) 2.11.2(D.1.b.8)	
8	No Adverse Impacts To Adjacent Properties	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.4.1(B.1) 3.3.2(C)	
9	Centerline & Stations Shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(D.1.b.9) 4.1.1(D.2) 4.2.5(B.2.c.7-8)	
10	Grade Breaks Shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(D.1.b.2) 2.11.2(E.2.a.4)	
11	Slopes Shown On Streets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(E.2.a.4)	
12	Slopes - 4:1 Max. (On Private), 6:1 Max. (Within 10' From Road, Sidewalk, Or In R/W)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3(I) 3.2.1(A.4) 3.3.5(C.2.b) G-3206	
13	Drainage Ways, SD & Channels Shall Be In Easements/Tracts Or R/W	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(B.1) 3.3.4(C.1) 9.1.3(D.12) Sub Reg. 15-3-7(C)	
14	Sufficient Adjacent Topo & Land info	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(D.1.b.2) 3.2.4(A.2) 9.1.2(D.4)	
15	Label Or Notes Describing All Existing Features To Be Removed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.1.1(A.6)	
16	Elevations At Rear Lot Corners Shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.11.2(D.1.b.(2).i)	
17	Outfall Elevations Shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.5)	
18	Existing Irrigation Facilities To Remain In Right-Of-Way Must Be Tiled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1.2(C.4)	

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19	No double walls allowed. Grading sheets shall show existing and proposed grades on both sides of the existing walls.				Zoning Ordinance 5-2-2.A.6
20	FF & Pad Elevation Shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.2(M) 2.11.2(E.7.a) 10.1.2(F.4)
21	FF - 18" Above Low Lot Line Outfall FF - 12" Over High Water Elevation (In Basins, Streets, Or Channels)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.1(B.3) 3.3.5(A.1.b.1) G-3570
22	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 <u>MAG 145</u> Painted To Match Nearest Structure, Wall, Or Landscaping Per ADOT Specs.
23	Walls Between Lots Or Alleys ≤6' Tall, Retaining Walls 6' Max. Height, 6' Max. Facing Public View				3.2.1(D) 4.1.5(B.2.b) 8.1.6
24	Retaining Walls Required Between Lots With An Elevation Difference >1' (Add Note To Plans: "Retaining Walls Are For Reference Only. All Retaining Walls Must Be Submitted To Building Safety Approval And Inspection.")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.12(E) 3.2.1(C.4) 3.2.1(D) 4.1.5(B.2.b)
25	Floodplain Designation - Depict & Label Floodplain Within, Adjacent To, & Downstream Of The Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.2(B.1a) 3.2.2(C.4)
Channels					
26	Channel Changes In Direction >45° - Run-Up Calculations Will Be Required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.6(D.5)
27	Channel Drainage Easements - Provide Adjacent 8' Wide Maintenance Roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.3(B.3)
28	Channel Max. Velocity < Scour Velocity Of Soils Or Provide Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.4(C.3)
29	Show HWE At Channel Structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.3(A.1.f)
30	Culvert Flow Lines Must Be >0.5' Above Natural Wash (Or Show The Reduced Capacity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.7(C.1)
31	No Embankments/Berms To Be Used For Impounding Storm Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(E.2-4)
32	Channel Maintenance Shall Be Stated On Plat And Grading & Drainage Plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.1(A.1) 3.3.4(C.4.b)

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33	Show Flow Rate Of Natural Washes Or Manmade Channels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.3(A.1.g)
34	Channel Is Designed Per Flood Control Design Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chapter 6, Open Channels, Flood Control District Drainage Design Manual (FCDMC), Hydraulics Volume
35	Channel – Please Note Normal Depth (Using Manning’s Equation) Calculations Are Acceptable For Preliminary Plats Although A Greater Level Of Detail Is Required For The Final Drainage Report. (It Is Recommended To Consider Providing The More Detailed Calculations For Preliminary Plats To Provide Better FFE Estimates & Avoid Possible Major Grading Revisions During The Construction Document Submittal). The Final Drainage Report Level Of Detail Would Include, But May Not Be Limited To, Providing:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.1
36	A HEC-RAS Or Equivalent Model To Establish The Preliminary Channel Capacities, Culvert Capacities, & The 100-Year Water Surface Elevation For The Channel; Both In Any Interim (i.e., Weir Over A Street) & Ultimate (i.e., Through A Culvert) Conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flood Control District Drainage Design Manual (FCDMC), Hydraulics Volume
37	Verify That All Residential Lots Along The Channel Are At A Minimum Freeboard Per Section 6.5.4 Above The 100-Year Water Surface Elevation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flood Control District Drainage Design Manual (FCDMC), Hydraulics Volume.
Retention Basins					
38	100% Of 100-Year 6-Hour Storm Retained On-Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.4.1(B.1) 3.2.1(A.2)
39	3’ Max. Depth (1.5’ Max. Within 10’ Of R/W)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.1.c-e)
40	Slopes - 4:1 Max. (Private Property) - 6:1 Max. (Within 10’ Of SW & R/W) - 10:1 Max. (Within 10’ Of Street)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3(I) 3.2.1(A.4) 3.3.5(C.2.b.1-2)
41	0.5% Min. Bottom Slope (Towards Discharge Points)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.2.a)
42	Freeboard - 12” Off-Site, 6” On-Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(A.1.b)

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43	Freeboard Elevation Contour At Least 4' Horizontally From Any Building Or Public Roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.7.c)
44	First Flush Separation (First ½" storm water)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.1.2(C) 3.3.5 8. Disposal/Discharge
45	No Retention In: - R/W, PUE, Or Easements - Multi-Family Development Parking Lots - Fire Lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.4.3(I) 3.3.5(C.1.a) 3.3.5(C.7.a) G-3206 3.3.4(C.4.a) 3.3.5(C.4.b.6)
46	Basin 1' Deep Or <1,000 CY Can Allow Use Of An Eng. Floor/Trench Option (Include Geotechnical Report In Drainage Report)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.3.5(C.8.c.2)
Internal Items					
1	Review General Plan Review Checklist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 2.6.1(E.1.c) 2.6.1(K) 2.6.1(Q)
2	SWPPP Included With Plan Set & NOI Submitted (>1 Acre Disturbed, See SWPPP Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 0.4.4 0.4.5 2.6.1(P.3) 2.8.2(A.4) 3.2.2(D.2) 3.3.4 3.3.5
3	Drainage Report Submitted (See Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 3.2.2
4	Site Complies With Master Drainage Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.2.2(D.2)
5	G&D Plans Combined With Paving Plans (See Paving Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3
6	Drywells shown (see Drywell checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 3.3.5(I)
7	Storm Drain Shown (See Storm Drain Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3
8	Dust-Proof - All Parking, Maneuvering Areas, Driveways, & Fire Lanes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ordinance No. 8A (08-3748) 08-1108
9	Blasting Site Needs Fire Dept Permit (Separate Permit From Building Safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire Department "Site Permit Application"
10	Industrial Sites That Have Fuel Tanks Needs Fire Dept Permit (Separate Permit From Building Safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire Department "Site Permit Application"
11	Soils Report Submitted ("R" Value, Sieve Analysis, Plasticity Index Of Subgrade & Recommendations For Structural Section)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.1.9(B.1)
12	Grading Restart Fee \$63.57 Per Hour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hours Per Field Inspector