

Engineering and Stormwater Checklist

Please be advised:

- If the submittal does not reflect the Engineer's signature the application will NOT be accepted.
- If you select "no" there must be a reason listed in the comment area as to why the item is missing.

	Submitted			Engineering and Stormwater Standard Minimum Checklist	Comment
	Y	N	N/A		
01.				How trash is handled and disposed of?	
02.				Finished floor elevation must be at least 18" above road or at 100-year storm elevation.	
03.				Provide note stating which entity is responsible for maintenance of water management facilities	
04.				P.E. Seal is required	
05.				Provide a copy of SFWMD Permit, permit modification, or waiver	
06.				Submit ROW permit application number	
07.				Excavation permit	
08.				Provide wheel stop detail	
09.				Provide handicap striping detail	
10.				Provide a location map that a total stranger can use to find the site	
11.				Show existing and proposed utilities	
12.				Internal roadways & parking aisles must be at 25 yr-72 hour storm stage	
13.				Parking areas must be at 10yr-24 hour storm stage	
14.				Show wet season water table elevation on cross sections	
15.				Minimum road centerline longitudinal grade is 0.3%	
16.				Minimum allowable road elevation is 5.5' NGVD	
17.				Minimum aisle width for 90 degree parking is 24'	
18.				Driveway must not be too close to intersection	
19.				Detention pond must discharge through a hardened overflow or structure with bleed-down	
20.				Side slopes must be a max. 4:1 for slopes over 2 ft. high	
21.				Interior islands must be curbed	

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22.				A throat length of 30' from EOP to the first parking space is required	
23.				Stop bar & stop sign shown at exits	
24.				Erosion control details & access & silt fence location must be shown on separate sheet	
25.				Submit signed & sealed drain pipe calculations	
26.				Provide an Engineer's certification that the receiving system/facility has been inspected.	
27.				Minimum roadway pavement thickness is 1-1/2" of Type "S" asphalt	
28.				Limerock base must extend 6" and subgrade must extend 12" past EOP	
29.				Provide sidewalk within the R.O.W	
30.				All turn lanes on County roads must use ABC-3 in lieu of limerock & stabilizing	
31.				New pavement needs to match traveled lane, not shoulder	
32.				Provide handicap ramp curb cut detail	
33.				Projects must do 25-year, 72-hour storm routing.	
34.				Add note; "The approval of these construction plans does not authorize construction of required improvements which are inconsistent with easement of record"	
35.				Provide lighting plan (multi-family)	
36.				Submit Engineer's Estimate of Paving & Drainage cost	
37.				Submit Paving & Drainage Review & Inspections fees	
38.				Submit SFWMD or FDEP dewatering permit.	

	Submitted			Utilities Standard Minimum Checklist	Comment
	Y	N	N/A		
01.				Submit water and sewer availability letter Ord 2004-31 Section 7 para 7.1.1	
02.				Submit FDEP applications Ord 2004-31 Section 7.2.1	
03.				Submit cover letter in the engineers report Ord 2004-31 Section 8.2.3 a thru f	
04.				Submit engineers estimated cost of construction Ord 2004-31, Section 8.2.5	
05.				Submit review and inspection fees. Ord 2004-97 Sections F) 7 & G) 7	
06.				Submit Engineers report Ord 2004-31 Section 8.2.3 para g.	

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07.				Provide Narrative on system in Engineers Report Ord 2004-31 Technical Standards, Section 1.2.1 A	
08.				Provide Chlorine dissipation report in Engineers Report Ord 2004-31 technical standards Section 1.2.1 B	
09.				Provide Hydraulic Design Requirements in Engineers Report Ord 2004-31 Technical Standards Part 1 section 2.1.2	
10.				Submit Force main design showing 2.5' per second velocity Ord 2004-31 Provide all pump station information in Engineers Report and on detail sheet Ord 2004-31 8.2.5 h) & Technical standards	
11.				Part 2 Section 13510 Detail #WW 7 (Pump information, Dimensions, Buoyancy Calculations & transformer location etc.)	
12.				Engineers Report shall contain capacity in downstream pump station Ord 2004-31 Technical Standards Part 2 Section 2.1.2	
13.				Submit ROW permit Ord 2004-31 Section 8.2.7.	
14.				Submit FDOT permit Ord2004-31 Section 8.2.7	
15.				Submit Fire Control District approval Ord 2004-31 Section 8.3	
16.				Submit potable water flows and irrigation flows Ord 2004-31 Part 4 Section 4	
17.				Submit Utility Site Master Plan w/ key map Ord 2004-31 Section 8.2.5 b)	
18.				Show phase lines if applicable Ord 2004-31 Section 8.2.5 b)	
19.				Note who is to install meter, if 3" or larger by contractor Ord 2004-31 Technical Standards Part 1 Section 1.6.2	
20.				Note who is to install service lead and box Ord 2004-31 Section 8.2.5 d)	
21.				Note all inspections required which require 48 hour notice Ord 2004-31 Section 9.4.2.2	
22.				Note who will own and maintain the water, wastewater and non-potable irrigation water Ord 2004-31 Section 8.2.5 l	
23.				Note that meter shall be sized by Public Utilities Ord 2004-31 Section 8.2.5 d	
24.				Add note at tie in indicating use of gap configuration or TBF at option of the FCD. Ord 2004-31 Technical Standards Part 1 Section 1.5 and Sections 2 & 3.	
25.				Show all temporary and permanent bacterial sample points Ord 2004-31 Technical Standards Manual Section 2 Subsection 02675 3.4 A	
26.				Add isolation valves Ord 2004-31 Technical Standards Part 1 Section 1.2.4	
27.				Show conduits Ord 2004-31 Technical Standards Part 1 Section 1.6.1	

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	Submitted			Engineering Transportation Standard Minimum Checklist	Comments
	Y	N	N/A		
01.				Roadway Improvements	
02.				Access Management Considerations	
03.				Connection spacing/corner clearance	
04.				Type connection	
05.				Median Controls	
06.				Turn Lane Improvements	
07.				Directional Improvements	
08.				Traffic Circulation	
09.				Throat length	
10.				Right -of-way Considerations	
11.				Existing R/W vs. Ultimate R/W requirements	
12.				Sidewalks/bike paths	
13.				Traffic signals	
14.				Traffic control considerations	
15.				Shared signal responsibilities	
16.				Location/type of access lighting	
17.				Signing/stripping requirements	
18.				Interconnection	
19.				TIS Requirements	
20.				ROW Permit required or submit existing ROW permit no.	

I hereby certify that I have personally checked the above items.

Signature of P.E.

Printed Name