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EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT

CONSTRUCTION DRAWINGS CHECKLIST

Revised: January 2022

Construction Drawings		
The purpose of construction drawings is to provide the design for the construction, enlargement, alteration, relocation, removal, conversion, demolition, repair, maintenance and excavation of public infrastructure and common development improvements within the criteria governed by the ECM and the LDC. The construction drawings shall be prepared by a qualified professional engineer and shall be tailored to the stage of development application and the stage of subdivision-related construction.		
	Applicant	PCD
Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.	✓	Office use only
General Content		
1	Sheet Size: 22" x 34" (preferred) or 24" x 36" or 11" x 17"	
2	Title block located on right side of sheet and includes at a minimum:	
	Project title	
	Sheet title	
	Sheet number	
	Name, address, and phone number of engineer	
3	Engineer's stamp is required on all engineering design sheets (final plans for approval only) or cover sheet only electronically per State PE Board Laws, Rules and Policies. If County or Metro District standard detail sheets are included in the CD plan set and not revised, a signed and stamped note indicating that the Design Engineer has issued the referenced standard details with the CDs may be placed on the cover sheet.	
4	Minimum text size is 0.08" (2 mm) on full-size plans and must be legible when printed on 11"x17" plans.	
5	North arrow and scale on all plan sheets	
6	Minimum scale is 1"=50' (smaller scale permitted with prior County approval)	
7	Drawing legend for symbols, abbreviations, linetypes used	
8	Title Sheet which includes at a minimum:	
	Sheet index	
	Project title	
	Vicinity map showing the subdivision in relation to section lines and existing or proposed arterial or collector roadways.	
	General project layout map (show and label benchmark locations here and on street plans)	
	Design engineer's statement	
	Owner/developer's statement	
	El Paso County signature block	
	Planning and Community Development file number at lower right	
	Project benchmark (NAVD88)	
	Basis of bearing	
	Other applicable jurisdiction/utility signature blocks	
	List of governing agencies, owner, engineer, architect with contact information	
9	EPC standard construction notes	
10	Details sheet(s) as needed	



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Street Plan and Profile Sheets			
1	Typical cross-section for all proposed street classifications and variations. (List street names applicable to the typical street cross section)		
2	The street plan view shall include at a minimum:		
	Existing and proposed utilities		
	Existing and proposed structures		
	Existing and proposed right-of-way/property lines		
	Existing and proposed easements		
	Existing and proposed contours with slope arrows (if no grading plan submitted)		
	Adjacent subdivisions identified		
	Proposed lot numbers		
	Proposed centerline alignment station label (line/curve data, PC, PT, and survey control)		
	Curb return data (Radius, Length, Delta, Chord Bearing)		
	Sight distance at intersections shall be shown and labeled. Notes shall be provided for each leg of the intersection stating that they exceed the minimum sight distance for ____ mph design speed. (ECM Section 2.3.7.C.5)		
	Station equation at alignment intersections		
	Street name label with road classification and design speed		
3	The street profile view shall include at a minimum:		
	Existing ground profile at centerline		
	Finished grade profile at centerline and/or flowline		
	Existing and proposed grades shown and extended 100 feet beyond storm drain		
	Existing and proposed utility crossings		
	Station labels at the bottom of profile		
	Elevation labels at the side of profiles		
	Profile data labels: slope, vertical curve (L, K, A.D, PVI, PVC, PVT, etc.), grade break		
	Superelevation data ("e" and runout, if applicable)		
	Match lines		
	Profiles required for curb returns, knuckles, cul-de-sac bulbs		



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Storm Drain Plan and Profile Sheets			
1	The storm drain plan view shall include at a minimum:		
	Existing and proposed utilities		
	Existing and proposed structures		
	Existing and proposed right-of-way/property lines		
	Existing and proposed easements		
	Existing and proposed contours with slope arrows (if grading plan is a separate plan set)		
	Adjacent subdivisions identified		
	Proposed lot numbers		
	Storm drain alignment station label (with bearing, curve data for pipes laid on curves, and survey control)		
	Station equation at alignment intersections		
	Structures labeled: station/offset or coordinate, structure number/ID		
	Trench width if located outside existing road; Mill/overlay limits within existing road		
2	The storm drain profile view shall include at a minimum:		
	Existing ground and finished grade profile at centerline		
	Existing and proposed utility crossings (label type of utility, clearances at storm drain crossing, invert)		
	Station labels at the bottom of profile		
	Elevation labels at the side of profiles		
	Pipe labeled: size, material, class, design flow (Q100), velocity (V100), slope, public or private, maximum and minimum cover checks		
	100-year hydraulic grade line		
	Structure labeled: structure number/ID, size, type (inlet, manhole, etc.), grate or rim elevation, invert elevations, centerline station, reference where detail is found for non-standard structures		
	Outfall labeled: end section and headwalls labeled, riprap apron (length, depth, type, D50), toe wall shown, profile of existing ground shown for 200 feet downstream of outfall, Q100 water surface elevation downstream of outfall		
Pavement Marking and Signing Plan			
1	EPC Standard Signage and Striping Notes		
2	Show all existing and proposed traffic control items such as: curb and gutters, edge of pavement, driveways, medians, islands, sidewalks, curb ramps, curb cuts, ROW, easement, street names, utility poles, signal poles, sign posts, mail box kiosks, trees		
3	Show all existing and proposed permanent pavement markings.		
4	Label existing pavement marking to remain and extent of pavement marking to be removed		
5	Label existing striping to remain, removed or relocated		
6	Label proposed pavement marking (width, station/offset, color, type of marking material)		
7	Label proposed signage (MUTCD sign code, signage symbol, size, station/offset or coordinates)		
8	Pavement marking symbols detail		