



LINEAR TRANSPORTATION PROJECT CHECKLIST

STORMWATER MANAGEMENT LINEAR TRANSPORTATION PROJECT CHECKLIST			
No.	Description	Comments by Plan Preparer	Comments by Plan Reviewer
	Common address and legal description.	<input type="checkbox"/>	<input type="checkbox"/>
	Vicinity map.	<input type="checkbox"/>	<input type="checkbox"/>
	Design professional's seal, signature, address, and telephone number.	<input type="checkbox"/>	<input type="checkbox"/>
	24-hour contact name and telephone number.	<input type="checkbox"/>	<input type="checkbox"/>
	Identification of benchmarks used.	<input type="checkbox"/>	<input type="checkbox"/>
	Total site area.	<input type="checkbox"/>	<input type="checkbox"/>
	Total amount of disturbed area(acres).	<input type="checkbox"/>	<input type="checkbox"/>
	Total amount of existing and proposed impervious area, including replacement impervious(acres).	<input type="checkbox"/>	<input type="checkbox"/>
	Statement regarding ownership of stormwater management system after construction is complete.	<input type="checkbox"/>	<input type="checkbox"/>
	Statement regarding the existence / absence of 100-year floodplain onsite, and FEMA FIRM number that was referenced for this determination.	<input type="checkbox"/>	<input type="checkbox"/>
	"Select appropriate Floodplain Note(s). Either select note a or b and select notes c and d as applicable. a. There is no floodplain on this property from a water course with a drainage area exceeding 100 acres or floodplain per FIRM Panel _____ dated _____. b. Floodplain on this property from all water courses with a drainage area exceeding 100 acres is shown. c. Floodplain shown is from FIRM panel _____ dated _____. d. Floodplain shown is from Floodplain study titled _____ by _____ dated _____. Study was done as a part of project number XXX xxxx-xxxxx. "	<input type="checkbox"/>	<input type="checkbox"/>
	Total wetland acres on site are _____.	<input type="checkbox"/>	<input type="checkbox"/>
	"Select appropriate wetlands note(s). Select either a or b if wetlands are being disturbed on the site select note c. a. There are no wetlands being disturbed on this site. b. All wetlands to be disturbed are delineated on this site. c. The wetlands are being disturbed in accordance with permit _____. "	<input type="checkbox"/>	<input type="checkbox"/>

<p>"Select the appropriate SWM note. a. Storm Water Management for this project is provided on-site. b. Storm Water Management for this site is provided off-site in project named _____ with case number XXX xxxx-xxxxx. "</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>"Select appropriate state waters note(s). Select either a or b and if a state waters buffer is being disturbed on the site select note c. a. There are no stream buffers on this property. b. A 50-foot undisturbed buffer and a 75-foot impervious setback shall be maintained adjacent to all streams. c. Stream buffer variance number _____ was obtained to work in buffer as shown. "</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Wetland certification: The design professional, whose seal appears hereon, certifies the following: 1) the National Wetland Inventory maps have been consulted; and, 2) the appropriate plan sheet [] does / [] does not (circle appropriate box) indicate areas of united states army corps of engineers jurisdictional wetlands as shown on the maps; and, 3) if wetlands are indicated, the land owner or developer has been advised that land disturbance of protected wetlands shall not occur unless the appropriate federal wetlands alteration ("section 404") permit has been obtained.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Source of topography is _____ and reference datum is (i.e., NGVD 1929, Mean Sea Level, etc.).</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Scaled drawing showing the location of all existing topography, utilities, impervious surfaces, wooded areas, stormwater facilities, wetlands, State Waters, buffers, setbacks, and floodplains.</p>	<input type="checkbox"/>	<input type="checkbox"/>
Grading Plan		
<p>Show existing stormwater conveyances and structural control facilities.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Number all pipes and structures on plan. & Label structures as SWCB, DWCB, DI, WI, JB, HW, FES (SHOW THE SAME ON THE PIPE PROFILES).</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Latitude and longitude of all proposed detention and water quality treatment facilities.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show topography at a 2' contour interval or less.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show drainage easement on pipes consistent with table in the Rockdale County's ordinance Sec. 332-16.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show 100-year ponding limit and elevation above inlets and provide a well-defined contour around the inlet to provide proper drainage.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show regulatory and 100-year floodplain contour, elevation and floodway limits and indicate information source.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Provide the 100-year ponding elevation of the detention pond & provide a callout.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Energy dissipation shall be located entirely within the project site, no closer than 20 feet from any property line and not encroach upon any required buffer.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Provide the top and bottom elevation of all retaining walls.</p>	<input type="checkbox"/>	<input type="checkbox"/>

Details, design calculations, and construction notes for all proposed open channels, including dimensions, slopes, subgrade preparations, lining materials, flow rates, depths, and velocities.	<input type="checkbox"/>	<input type="checkbox"/>
Pipe and Channel Profiles		
Minimum pipe's diameter in public owned right-of-way shall be a minimum of 18" in diameter (Per Rockdale County's Ordinance Sec.332-16).	<input type="checkbox"/>	<input type="checkbox"/>
Provide pipe profiles. Show existing and proposed ground surface profiles, pipe lengths, slopes, inverts, and 25-year hydraulic grade lines.	<input type="checkbox"/>	<input type="checkbox"/>
Provide channel profiles. Show existing and proposed ground surface profiles, channel lengths, 25-year normal flow depth and slopes. Include the channel cross-sections.	<input type="checkbox"/>	<input type="checkbox"/>
25-year hydraulic grade line must be at least 1 foot below the gutter line or top of grate.	<input type="checkbox"/>	<input type="checkbox"/>
Channel velocities for the fully developed 25-year flow shall not exceed the non-erosive velocity.	<input type="checkbox"/>	<input type="checkbox"/>
Minimum slope for storm drainpipes is 0.50% (provide a note for all pipes that will have a lower slope. Note must state that the conveyance system will require additional maintenance due to the slope.	<input type="checkbox"/>	<input type="checkbox"/>
Per GSMM Minimum Velocity (V25) for storm pipe is 2.5fps (flowing full). Provide a note if the velocity will be lower.	<input type="checkbox"/>	<input type="checkbox"/>
Minimum pipe cover shall be two feet. (Per Rockdale County Ordinance Sec.332-16)	<input type="checkbox"/>	<input type="checkbox"/>
Cross drain culverts or pipe systems designed to convey water from one side of a public right-of-way to the other shall be designed to pass the fully developed peak flow associated with a 100-year storm. Required 1.5 feet of freeboard between the 100-yr. ponding elevation and the centerline of the road, without raising the 100-yr. flood elevation on upstream properties. (Per Rockdale County Ordinance Sec 332-16)	<input type="checkbox"/>	<input type="checkbox"/>
"Provide complete pipe chart including the following: (Include OCS outlet pipe) _____ Upstream Structure Type (DWCB, SWCB, DI, etc.) _____ Pipe numbers/Pipe Structures _____ Pipe size (in) _____ Pipe length (lf) _____ Pipe slope (%) _____ Contributing drainage area (ac) _____ Design discharge (cfs) _____ Rainfall Intensity (in/hr) _____ Runoff coefficient(C) _____ Pipe material/coating _____ Velocity (fps) *(Pipes shall be sized for the 25-yr design storm; culverts for the 100 yr. design storm) "	<input type="checkbox"/>	<input type="checkbox"/>

<p>"Provide complete channel chart indicating the following: _____ Open channel numbers _____ Contributing drainage area _____ Runoff coefficient _____ Conveyance size/dimensions _____ Channel lining material _____ Channel length _____ Channel slope (Maximum 10%.) _____ Velocity (fps) _____ Design discharge (cfs) _____ Normal flow depth *(Channels shall be sized for the 25-yr design storm) "</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Cross-drains on public streets must be sized for 100-yr storm. Longitudinal pipes on public streets may be sized for 25-yr storm. Maximum gutter spread at catch basin is 8 feet.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Provide at least 1.5 feet of cover over all storm sewer pipes under unpaved areas, and at least 2.0 feet of cover over all storm sewer pipes under paved areas. Otherwise, provide special design information.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show all utility crossings in the profiles & label the pipe size and material & ensure there is a min 18" vertical separation.</p>	<input type="checkbox"/>	<input type="checkbox"/>
Soil Erosion and Sedimentation Control Plan		
<p>Must submit Erosion, Sedimentation & Pollution Control Plans Checklist on plans. Plan shall conform to the design guidelines in the 2016 Manual for Erosion and Sediment Control in Georgia and the Rockdale County Soil Erosion and Sedimentation Control Ordinance Chapter 306.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Erosion control maps, drawings, and supportive computations shall bear the signature, date of signature, and seal of a registered or certified professional in engineering, architecture, landscape architecture, land surveying, or erosion and sediment control.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Provide graphic scale and north point or arrow indicating magnetic north.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Provide boundary line survey information.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Location and boundaries of natural feature protection and conservation areas such as wetlands, lakes, ponds, and other setbacks (stream buffers, drinking water well setbacks, septic setbacks, etc.).</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Show all proposed structures or additions to existing structures.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>For projects in Big Haynes Creek watershed inside the 7-mile radius to Black Shoals Reservoir, on perennial streams shown on the USGS quad maps, show a minimum 100-foot buffer and 150-foot no-impervious surface setback. See the zoning resolution for exempt activities.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Locate the erosion and sediment control measures on the plan using the uniform coding symbols from chapter 6 of the Manual for Erosion and Sediment Control in Georgia.</p>	<input type="checkbox"/>	<input type="checkbox"/>

	Discharge of water from sediment basins and impoundments must utilize outlet structures that withdraw water from the surface. Add detail Sk.	<input type="checkbox"/>	<input type="checkbox"/>
	If wetlands exist on the project property, the wetland areas must be indicated on the site plan. NWI Maps are also available on the internet at http://www.fws.gov/wetlands/Data/Mapper.html	<input type="checkbox"/>	<input type="checkbox"/>
	Any work proposed in the stream bed will require authorization from the US Army Corps of Engineers.	<input type="checkbox"/>	<input type="checkbox"/>
	Rockdale County will not issue a land disturbance permit until we receive documentation from the Corps of Engineers that an Individual Permit or a Letter of Permission authorizes the proposed encroachment in wetland areas. If the encroachment is authorized under a Nationwide Permit, we must receive documentation from the applicant's engineer about which Nationwide Permit is applicable and why the encroachment meets the conditions of that Nationwide permit. We also must receive a copy of the approved PCN letter from the Corps of Engineers, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>
	Provide the GSWCC Level 2 Design Pro Cert. & include the issued and expiration dates.	<input type="checkbox"/>	<input type="checkbox"/>
	Provide the water monitoring and sampling locations (adhere to the requirements of the NPDES GAR Permits).	<input type="checkbox"/>	<input type="checkbox"/>
	Show all perennial and/or intermittent streams.	<input type="checkbox"/>	<input type="checkbox"/>
Stormwater Management Report			
	Stormwater Management Report shall be prepared in accordance with the current Georgia Stormwater Management Manual & the Rockdale County Post Development Stormwater Management Ordinance Chapter 310. Mandated Model Ordinance requires 100% Runoff Reduction. Linear transportation projects being constructed by Rockdale County, other local governments, or State agencies to the extent of stormwater director determines that the stormwater management standards may be infeasible to apply, all or in part, for any portion of the linear transportation project. "The following link is for RDOT Projects: https://rockdalecountyga.gov/wp-content/uploads/2021/04/Linear-Feasibility-Program-2020.pdf	<input type="checkbox"/>	<input type="checkbox"/>
	Professional Engineer seal, signature, and date.	<input type="checkbox"/>	<input type="checkbox"/>
	"Provide a table of contents and either provide page numbers or tabs referencing sections for the following. 1) Narrative 2) Hydrology 3) Water quality 4) Floodplain 5) Environmental permits 6) Annotated checklists. "	<input type="checkbox"/>	<input type="checkbox"/>
	Narrative of existing site conditions, proposed project, and post-construction stormwater management measures.	<input type="checkbox"/>	<input type="checkbox"/>

Flood Study Review – Only use if Flood Area is on Project			
	All locations with FEMA floodplain on the lot must submit a FEMA Elevations Certificate prior to the issuance of the Building Permit.	<input type="checkbox"/>	<input type="checkbox"/>
	Per Rockdale County's Ordinance Sec. 320-3. Permit Procedures and Requirements: No owner or developer shall perform any development activities on a site where an area of special flood hazard or area of future-conditions flood hazard is located without first meeting the requirements of this chapter prior to commencing the proposed activity.	<input type="checkbox"/>	<input type="checkbox"/>
	An application for a development project with any area of special flood hazard or area of future-conditions flood hazard located on the site shall include a floodplain management/flood damage prevention plan.	<input type="checkbox"/>	<input type="checkbox"/>
	The floodplain management/flood damage prevention plan. The plan shall include all items listed in Ordinance Sec. 320-3 (b).	<input type="checkbox"/>	<input type="checkbox"/>
	For all new construction and substantial improvements on sites with a floodplain management/flood damage prevention plan, the permit holder shall provide to the floodplain manager a certified as-built elevation certificate or floodproofing certificate for nonresidential construction including the lowest floor elevation or floodproofing level immediately after the lowest floor or floodproofing is completed. A final elevation certificate shall be provided after completion of construction including final grading of the site. Any lowest floor certification made relative to mean sea level shall be prepared by or under the direct supervision of a licensed land surveyor or professional engineer and certified by same. When floodproofing is utilized for nonresidential structures, said certification shall be prepared by or under the direct supervision of a licensed professional engineer or architect and certified by same using the FEMA floodproofing certificate. This certification shall also include the design and operation/maintenance plan to assure continued viability of the floodproofing measures.	<input type="checkbox"/>	<input type="checkbox"/>

