

## MetroConnects Plan Review Checklist

Project Name:	
Professional Engineer:	
Engineering Firm:	

Metro Review	Engineer Review	GENERAL
		Sewer System Design Calculations for each phase
		One (1) bound, complete set
		Cover sheet (to include the correct project title, site map, revision block, and Metro contact information)
		Site map (legible site map with hatched/highlighted phase)
		Engineer's seal, signed and dated on each sheet with Certificate of Authorization (COA)
		Overall project utility plan sheet with current phase accentuated
		Grading plans shown with proposed sewer design
		Road names labeled (generic road names are acceptable). Identify roads as public or private.
		Width and center line of each Road R/W and EOP indicated
		All lots, adjacent TMS numbers, and/or buildings labeled
		Scale (not to exceed 1" = 50') and north arrow shown on each plan and profile sheet.
		All easements (proposed, existing, onsite, and offsite) and ROWs properly shown, delineated, and labeled.
		Ingress/egress easements required/shown
		Sewer Easements extended to include the end of the sewer mains/MHs outside the phase line
		Commercial/Multi-Family: Cleanouts included on drawings. Cleanouts to be installed as part of construction.

SEWER PLAN SET		
		Plan view includes manholes, manhole numbers, and other buried pipelines
		Plans and profiles on same sheet
		Sewer stationing labeled on both plan and profile views (center of MH to center of MH)
		Profile includes all crossings (water, storm drainage, road center line, etc.), label vertical clearances, MH diameters, and existing and final grades
		Profile view includes pipe labels - LF, size, material, pipe class, and slope (i.e. 200LF of 8" PVC SDR26 @ 0.50%)
		Method of road crossing indicated (jack and bore, open-cut, etc.)
		4 ft min cover sewer mains (or DIP TNEMEC 431/C900).
		10 ft minimum horizontal separation between sewer and storm/water mains.
		Slopes checked (use Metro's SSS&P for design criteria). Starter MHs and dead-end MHs at min. 1% slope.
		DIP TNEMEC 431 or C900 labeled (length, diameter, and thickness) when drainage crossing is <2' of clearance
		MHs greater than 12' deep: 6" extended base, MHs 14' deep or more: 5' diameter with extended base
		MHs installed in a fill area: Add extended base. 1' lifts and required compaction under 10' x 10' area under manhole to grade.
		Maximum distance between MHs is 350 LF
		Drop manholes and doghouse manholes labeled and proper diameter
		Matching crowns for differing pipe diameters
		2/10th drop at each MH and or crown to crown connection
		IE Out for existing manholes at tie-in points labeled
		Current sewer details (Find the most current details at <a href="http://www.metroconnects.org">www.metroconnects.org</a> )
		All manholes accessible
		Sewer tie-in note: Contractor to verify existing MH elevations and notify engineer and MetroConnects of any discrepancies. Contact MetroConnects a minimum of 48 hours prior to connection.
		Laterals: 5' minimum horizontal separation b/t laterals, 2' min vertical separation b/t storm
		Laterals: 5' minimum upstream from lowest property corner
		All lots served with a gravity sewer service of adequate depth (min. 3' cover for services or provide DIP)
		Easements to be labeled on plan view, max 1:10 slope (longitudinal and cross-slopes)
		Sewer easements/stubouts (if under pavement) for future developable properties without existing sewer
		Private Roads: Enlarged easement to include typical 44' ROW
		Bypass plans required when bypassing as part of construction

I certify the submitted construction plans and calculations meet the above criteria. If any of the above criteria is missing or not provided, I understand that MetroConnects has the right to reject my submittal. I understand that MetroConnects reviews items that are not included on this checklist and that comments may be issued on checklist items and other items MetroConnects reviews. All plans are subject to the criteria outlined in the Sanitary Sewer Standards and Procedures manual (SSS&P). Plan approvals do not supercede the SSS&P criteria.

PE Signature: \_\_\_\_\_

Date: \_\_\_\_\_