MINIMUM REQUIREMENTS FOR TAPS ONLY PROJECTS

	PROJECT NAME		*REVIEW DATE:*			
	GENERAL		**YES**	**NO**	**N/A**	***SEE COMMENTS***
A1	DESIGN AND DRAFT ALL PLANS ON 24"X36" (SIZE D) OR 30"X42" (SIZE E) SHEETS		☐	☐	☐	☐
A2	DISPLAYED PROJECT NAME SHOULD BE CONSISTENT ON ALL PLANS & ALL DOCUMENTS INCLUDED WITH THE SUBMITTAL, AND SHOULD BE UNIQUE TO EACH PROJECT		☐	☐	☐	☐
A3	DATE TO BE CONSISTENT ON ALL SUBMISSION FORMS		☐	☐	☐	☐
A4	NORTH ARROW ALL SHEETS		☐	☐	☐	☐
A5	SHEET INDEX WITH THE TOTAL NUMBER OF SHEETS AND DESCRIPTIONS		☐	☐	☐	☐
A6	IF THE PROJECT IS WITHIN MUNICIPAL INFLUENCE AREA (MIA) OF FAYETTEVILLE OR HOPE MILLS, A PETITION FOR ANNEXATION MUST BE SUBMITTED TO THE APPLICABLE MUNICIPALITY.		☐	☐	☐	☐
A7	DETERMINE WHETHER AN EASEMENT WILL BE BLANKET OR DEDICATED AND ADDRESS ACCORDINGLY		☐	☐	☐	☐
A8	SHOW WETLANDS AN ALL PLANS (WHERE APPLICABLE) WITH RESPECT TO ALL UTILITIES		☐	☐	☐	☐
A9	INCLUDE A LANDSCAPE PLAN WITHIN PLAN SET IF LANDSCAPING IS PROPOSED/REQUIRED. SHOW EXISTING AND PROPOSED UTILITY EASEMENTS ON THIS LANDSCAPE PLAN.		☐	☐	☐	☐
A10	PROVIDE JUSTIFICATION FOR ANY METER SIZE 2" OR LARGER. PWC WILL PROVIDE METER DATA SHEETS UPON REQUESTS FOR YOUR INFORMATION.		☐	☐	☐	☐
A11	PWC DETAILS APPLICABLE TO THE PROJECT SHOULD BE INCLUDED IN THE PLAN SET AND SHALL BE THE MOST UP-TO-DATE VERSIONS. DETAILS ARE UPDATED IN JANUARY AND JULY		☐	☐	☐	☐
A12	ALL OF THE ACCOMPANYING DOCUMENTS SHALL BE SIGNED AND SEALED BY DESIGN ENGINEER WHERE REQUIRED		☐	☐	☐	☐
A13	ALL PLAN SHEETS MUST BE SIGNED AND SEALED BY DESIGN ENGINEER		☐	☐	☐	☐
A14	ALL "NOT FOR CONSTRUCTION", "PRELIMINARY", OR SIMILAR NOTES SHOULD BE REMOVED FROM A PLAN SET BEFORE SUBMISSION. PLANS WILL NOT BE PERMITTED IF THEY BEAR THESE NOTES.		☐	☐	☐	☐
A15	IF PROPERTY IS BEING RECOMBINED, THE FINAL RECOMBINED PIN IS REQUIRED FOR QUOTE, AND A RECOMBINATION MAP IS TYPICALLY REQUIRED FOR PERMITTING/APPROVAL		☐	☐	☐	☐
	UTILITY COVER		**YES**	**NO**	**N/A**	***SEE COMMENTS***
B1	THE BOTTOM RIGHT HAND CORNER OF UTILITY PAGE(S) SHOULD BE LEFT BLANK FOR PWC APPROVAL STAMPS (7" H X 5" W)		☐	☐	☐	☐
B2	INCLUDE A VICINITY MAP WITH A NORTH ARROW		☐	☐	☐	☐
B3	INCLUDE A NORTH ARROW WITH HORIZONTAL AND VERTICAL DATUM REFERENCE ON ALL SHEETS		☐	☐	☐	☐
B4	INCLUDE A SCALE - HORIZONTAL (TO INCLUDE GRAPHICAL & WRITTEN SCALE), VERTICAL (TO INCLUDE WRITTEN)		☐	☐	☐	☐
B5	SHOW PIN/REID W/ OWNER FOR PARCELS(S)		☐	☐	☐	☐
B6	SHOW ENTIRE PARCEL BOUNDARY		☐	☐	☐	☐
B7	SHOW PIN/REID WITH OWNER FOR ALL NEIGHBORING PARCELS		☐	☐	☐	☐
B8	SHOW THE EXISTING AND PROPOSED CONTOURS WITH LABELS (CONTOUR INTERVALS SHOULD NOT EXCEED 2 FEET)		☐	☐	☐	☐
B9	SHOW THE PROPOSED **WATER** MAINS WITH SIZE AND MATERIAL. (EX. 8" C-900). "PVC" IS NOT AN ADEQUATE MATERIAL LABEL		☐	☐	☐	☐
B10	SHOW THE PROPOSED **SEWER** MAINS WITH SIZE, LENGTH, MATERIAL, SLOPE AND DIRECTIONAL FLOW ARROWS (EX. 125 LF-8" SDR-26 @ 0.45%). USE THE LENGTH FROM MANHOLE CENTER TO MANHOLE CENTER TO CALCULATE SLOPE. "PVC" IS NOT AN ADEQUATE MATERIAL LABEL.		☐	☐	☐	☐
B11	SHOW LOCATION OF ANY EXISTING STRUCTURES THAT WILL REMAIN ON SITE, INCLUDING BUT NOT LIMITED TO WELLS, FENCES, HOUSES, ETC.		☐	☐	☐	☐
B12	LABEL ROAD FRONTAGE LENGTH		☐	☐	☐	☐
B13	LABEL FINISHED FLOOR ELEVATION (FFE)		☐	☐	☐	☐
B14	LABEL ALL STREET NAMES: INCLUDE STATE ROAD NUMBER (LOCAL NAME - XXXXXX RD), AS WELL AS ANY STATE ROAD IDENTIFIER (SR ####)		☐	☐	☐	☐
B15	LABEL THE WIDTH OF ALL EXISTING AND PROPOSED EASEMENTS; LABEL APPROPRIATE EASEMENTS AS "PWC UTILITY EASEMENT". EXISTING EASEMENTS MUST BE LABELED TO INCLUDE A DB AND PG NUMBER FOR EACH EASEMENT.		☐	☐	☐	☐
B16	PROPOSED VS EXISTING UTILITIES SHOULD BE DIFFERENTIATED BY LINE TYPE		☐	☐	☐	☐
B17	EXISTING UTILITY LINES SHOULD BE LABELED BY SIZE & MATERIAL (IF MATERIAL IS KNOWN)		☐	☐	☐	☐
B18	STORM DRAINAGE MAY NOT BE DISCHARGED IN FRONT OF OR ON TOP OF WATER AND SEWER MAINS AND EASEMENTS; STORM OUTLETS SHOULD BE EXTENDED PAST THE FULL WIDTH		☐	☐	☐	☐
B19	SHOW AND LABEL ALL EXISTING AND PROPOSED STORMWATER MANAGEMENT		☐	☐	☐	☐
B20	SHOW AND LABEL ROADSIDE DITCHES AND DRIVEWAYS		☐	☐	☐	☐
B21	SHOW AND LABEL SIDEWALKS, INCLUDE WIDTH WITHIN THE LABEL		☐	☐	☐	☐
B22	ENCROACHMENTS INTO PWC EASEMENTS MUST BE CLEARLY SHOWN AND LABELED		☐	☐	☐	☐
B23	INCLUDE A LEGEND WITH ALL LINE TYPES AND SYMBOLS. ALTERNATIVELY, LINES AND SYMBOLS SHOULD BE INDIVIDUALLY LABELED.		☐	☐	☐	☐
B24	EXISTING SERVICES SHOULD BE LABELED AS TO "REMAIN IN USE" OR "TO BE ABANDONED"		☐	☐	☐	☐
B25	RESTAURANT/FOOD SERVICE - A GREASE TRAP IS MANDATORY FOR ALL RESTAURANT/FOOD SERVICE DESIGNS AND MUST BE SHOWN AND LABELED		☐	☐	☐	☐
B26	CAR WASH - AN OIL SEPARATOR IS MANDATORY FOR ALL CAR WASH DESIGNS AND MUST BE SHOWN AND LABELED		☐	☐	☐	☐
B27	THERE MAY NOT BE MORE THAN 4-4" **OR** 3-6" SEWER LATERALS IN 4' DIAMETER MANHOLES, DEPENDING ON INDIVIDUAL DESIGNS. REFER TO PWC DETAIL S.2 FOR MORE INFORMATION		☐	☐	☐	☐

B28	LABEL ALL FITTINGS/TAPS AND APPURTENANCES ON ALL WATER AND SEWER LINES.	☐	☐	☐	☐
B29	EACH MANHOLE MUST BE LABELED WITH ITS UNIQUE MANHOLE NUMBER, ITS RIM ELEVATION, ITS STATION NUMBER, AND ALL INVERT IN AND INVERT OUT ELEVATIONS, BOTH EXISTING AND PROPOSED.	☐	☐	☐	☐
B30	IF BORE & JACK IS REQUIRED, YOU MUST SHOW ALL DETAILS REQUIRED (CASING, LENGTH, ENTRY/RECEIVING BORE PITS, BEGIN AND END STATION, ETC.)	☐	☐	☐	☐
B31	SHOW PROPOSED AND EXISTING TURNING LANE ARROWS	☐	☐	☐	☐
B32	ALL WATER LATERALS MUST SHOWN, AND LABELED BY STATION NUMBER, FINISHED CURB GRADE, TAP SIZE AND TYPE AND/OR FITTING	☐	☐	☐	☐
B33	VALVES SHOULD BE PLACED NEAR THE MAIN ON ALL 2" OR LARGER TAPS	☐	☐	☐	☐
B34	FIRE HYDRANT LEGS SHALL BE 6" RJDI WITH 6" GATE VALVE	☐	☐	☐	☐
B35	FIRE HYDRANTS AND BLOW-OFFS SHALL BE LOCATED ON PROPERTY LINES WHERE POSSIBLE	☐	☐	☐	☐
B36	THE PURPOSE OF EACH PROPOSED SERVICE SHOULD BE SPECIFIED (i.e. FIRE, DOMESTIC, IRRIGATION)	☐	☐	☐	☐
B37	A TAPPING SADDLE SHOULD BE USED FOR ALL WATER LINES 2" AND SMALLER. A TAPPING SLEEVE SHOULD BE USED FOR ALL WATER LINES GREATER THAN 2". SEE W.8, W.10 AND W.11 FOR DETAILS	☐	☐	☐	☐
B38	A 1" BLOW OFF OR IRRIGATION METER SHALL BE USED AT THE END OF ALL METER BANKS, UNLESS LOOPED	☐	☐	☐	☐
B39	THE BFP MUST BE WITHIN 100' OF THE TAP ON THE MAIN LINES FOR ALL FIRE AND IRRIGATION LINES. THE BFP MUST BE LABELED WITH SIZE AND TYPE.	☐	☐	☐	☐
B40	BACK FLOW PREVENTERS SHOULD BE AT LEAST 5' FROM THE METER	☐	☐	☐	☐
B41	FIRE LINES SHOULD BE RJDI TO THE END OF PWC'S O&M (ROW OR EASEMENT LINE) ADD A NOTE TO SHOW WHERE PWC'S O&M ENDS	☐	☐	☐	☐
B42	NO TAPS ARE ALLOWED TO COME OFF OF A FIRE LINE WITHOUT PWC APPROVAL (REFER TO DETAIL DRAWING W.21)	☐	☐	☐	☐
B43	THE BASE FLANGE ELEVATION OF ALL PROPOSED FIRE HYDRANTS MUST BE LABELED	☐	☐	☐	☐
B44	ADD A NOTE THAT PWC O&M ENDS AT THE FIRST SSCO	☐	☐	☐	☐
B45	ADD A NOTE THAT PWC O&M ENDS AT THE METER	☐	☐	☐	☐
B46	A JUMBO BOX MUST BE USED FOR 1.5" AND 2" IRRIGATION METERS	☐	☐	☐	☐
B47	LENGTH, SIZE, MATERIAL AND SLOPE OF ALL SEWER MAINS & LATERALS SHOULD BE CLEARLY IDENTIFIED/LABELED	☐	☐	☐	☐
B48	FLOW DIRECTION MUST BE SHOWN WITH ARROWS ON ALL EXISTING SEWER MAINS	☐	☐	☐	☐
B49	SHOW PROPOSED MH'S & STRUCTURES, LABELED w/ STATION #, SIZE OR DIAMETER, RIM ELEVATION, INVERT ELEVATION OF ALL CONNECTING PIPES, COATINGS, PIPE SLIDES & TYPE OF RING & COVER.	☐	☐	☐	☐
B50	MINIMUM SEPARATION BETWEEN UTILITIES SHOULD BE LABELED WITH VERTICAL SEPARATION DISTANCE FOR EACH CROSSING. CALL OUT SPECIAL CONDITIONS WHEN MINIMUM SEPARATIONS ARE NOT MET (i.e., DI PIPE USED)	☐	☐	☐	☐
B51	AN INTERIOR DROP STRUCTURE IS REQUIRED WHERE THE VERTICAL SEPARATION BETWEEN INVERTS EQUALS OR EXCEEDS 2.50'. REFER TO PWC DETAIL S.4 AND S.5, AND NOTATE ON EACH SSMH WHERE REQUIRED	☐	☐	☐	☐
B52	PWC SANITARY SEWER CLEANOUTS SHOULD BE PLACED 18" INSIDE THE EASEMENT OR RIGHT-OF-WAY LINE	☐	☐	☐	☐
B53	A LOCKING RING AND COVER (CAMLOCK) IS REQUIRED ON ALL MANHOLES OUTSIDE OF PAVEMENT	☐	☐	☐	☐
B54	PWC SEWER CLEANOUTS SHOULD BE 4 TO 6 FT IN DEPTH	☐	☐	☐	☐
B55	MH RIMS MUST BE 24" ABOVE THE 100-YR FLOOD LINE ELEVATION, OR 18" ABOVE GRADE IN OUTFALL AREAS, WHICHEVER IS GREATER	☐	☐	☐	☐
B56	PLANS MUST SHOW 100 YR FLOOD ELEVATION & BOUNDARIES, IF APPLICABLE	☐	☐	☐	☐
B57	NO 9O° BENDS ON SEWER FORCE MAINS	☐	☐	☐	☐
B58	NO SEWER LATERALS TAPPED ONTO MAIN LARGER THAN 15"	☐	☐	☐	☐
B59	PERMIT APPLICATIONS, AND SPECIFICATION CHECKLISTS SHOULD BE FULLY COMPLETED BY THE DESIGN TEAM BEFORE SUBMISSION TO PWC - DRAFTS OF THESE DOCUMENTS DO NOT HAVE TO BE SIGNED AT THE 60% STAGE	☐	☐	☐	☐
B60	THE DISPLAYED PROJECT NAME SHOULD BE CONSISTENT ON ALL PLANS & ALL DOCUMENTS INCLUDED WITH THE SUBMITTAL, AND SHOULD BE UNIQUE TO EACH PROJECT	☐	☐	☐	☐
B61	HYDRAULIC CALCULATIONS MUST BE SEALED BY A P.E.	☐	☐	☐	☐

	ADDITIONAL APPROVAL REQUIREMENTS (ONLY WHEN APPLICABLE)	YES	NO	N/A	*SEE COMMENTS*
C1	IS AN OFF-SITE EASEMENT REQUIRED? IF SO, PROVIDE EASEMENT MAP AND LEGAL DESCRIPTION. THE LEGAL DESCRIPTION MUST BE SUBMITTED IN WORD FORMAT. OFF-SITE EASEMENTS MUST BE RECORDED PRIOR TO PWC PERMIT ISSUANCE.	☐	☐	☐	☐
C2	IS AN NCDOT ENCROACHMENT REQUIRED? IF SO, PROVIDE NCDOT ENCROACHMENT MAPS AND DOCUMENTATION TO PWC. THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING DESIGN MEETS NCDOT REQUIREMENTS. PWC WILL REVIEW AND SUBMIT TO NCDOT.	☐	☐	☐	☐
C3	IS A RAILROAD ENCROACHMENT REQUIRED? IF SO, HAVE THE APPROPRIATE MAPS AND DOCUMENTATION BEEN SUBMITTED?	☐	☐	☐	☐
C4	INCLUDE A LANDSCAPE PLAN WITHIN PLAN SET IF LANDSCAPING IS PROPOSED/REQUIRED. SHOW EXISTING AND PROPOSED UTILITY EASEMENTS ON THIS LANDSCAPE PLAN.	☐	☐	☐	☐
C5	IF A PROPERTY IS BEING RECOMBINED, THE FINAL RECOMBINED PIN IS REQUIRED FOR A QUOTE. RECOMBINATION MAP TYPICALLY REQUIRED FOR PERMITTING/APPROVAL	☐	☐	☐	☐

COMMENTS:

THIS IS A LIST OF MINIMUM REQUIREMENTS ONLY. PWC MAY HAVE FURTHER COMMENTS DURING PRELIMINARY AND PERMIT REVIEWS. **PWC WRE Form July 2025**

If you have questions please contact:

Tech/Specialist: **Phone:**

Email: