

MINIMUM REQUIREMENTS FOR TAPS ONLY PROJECTS

GENERAL	YES	NO	N/A	SEE COMMENTS
DESIGN AND DRAFT ALL PLANS ON 24"X36" (SIZE D) OR 30"X42" (SIZE E) SHEETS				
DISPLAYED PROJECT NAME SHOULD BE CONSISTENT ON ALL PLANS & ALL DOCUMENTS INCLUDED WITH THE SUBMITTAL, AND SHOULD BE UNIQUE TO EACH PROJECT				
DATE				
NORTH ARROW ALL SHEETS				
SHEET INDEX WITH THE TOTAL NUMBER OF SHEETS AND DESCRIPTIONS				
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. INCLUDE EVIDENCE OF THE PETITION AND/OR PROOF OF WAIVER.				
DETERMINE WHETHER AN EASEMENT WILL BE BLANKET OR DEDICATED AND ADDRESS ACCORDINGLY				
SHOW WETLANDS AN ALL PLANS (WHERE APPLICABLE) WITH RESPECT TO ALL UTILITIES				
INCLUDE A LANDSCAPE PLAN WITHIN PLAN SET IF LANDSCAPING IS PROPOSED/REQUIRED. SHOW EXISTING AND PROPOSED UTILITY EASEMENTS ON THIS LANDSCAPE PLAN.				
PROVIDE JUSTIFICATION FOR ANY METER SIZE 2" OR LARGER. PWC WILL PROVIDE METER DATA SHEETS UPON REQUESTS FOR YOUR INFORMATION.				
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 ANUALLY.				
ALL OF THE ACCOMPANYING DOCUMENTS SHALL BE SIGNED AND SEALED BY DESIGN ENGINEER WHERE REQUIRED				
ALL PLAN SHEETS MUST BE SIGNED AND SEALED BY DESIGN ENGINEER				
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.				
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
THE BOTTOM RIGHT HAND CORNER OF EACH PAGE SHOULD BE LEFT BLANK FOR PWC APPROVAL STAMPS (7" H X 5" W)				
INCLUDE A VICINITY MAP WITH A NORTH ARROW				
INCLUDE A NORTH ARROW WITH HORIZONTAL AND VERTICAL DATUM REFERENCE ON ALL SHEETS				
INCLUDE A SCALE - HORIZONTAL (TO INCLUDE GRAPHICAL & WRITTEN SCALE), VERTICAL (TO INCLUDE WRITTEN)				
SHOW PIN/REID W/ OWNER FOR PARCELS(S)				
SHOW ENTIRE PARCEL BOUNDARY				
SHOW PIN/REID WITH OWNER FOR ALL NEIGHBORING PARCELS				
SHOW THE EXISTING AND PROPOSED CONTOURS WITH LABELS (CONTOUR INTERVALS SHOULD NOT EXCEED 2 FEET)				
SHOW THE EXISTING WATER MAINS WITH SIZE AND MATERIAL. (EX. 8" C-900). "PVC" IS NOT AN ADEQUATE MATERIAL LABEL				
SHOW THE EXISTING 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.				
SHOW LOCATION OF ANY EXISTING STRUCTURES THAT WILL REMAIN ON SITE, INCLUDING BUT NOT LIMITED TO WELLS, FENCES, HOUSES, ETC.				
LABEL ROAD FRONTAGE LENGTH				
LABEL FINISHED FLOOR ELEVATION (FFE)				
LABEL ALL STREET NAMES: INCLUDE STATE ROAD NUMBER (LOCAL NAME - XXXXXX RD), AS WELL AS ANY STATE ROAD IDENTIFIER (SR #####)				
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.				
PROPOSED VS EXISTING UTILITIES SHOULD BE DIFFERENTIATED BY LINE TYPE				
EXISTING UTILITY LINES SHOULD BE LABELED BY SIZE & MATERIAL (IF MATERIAL IS KNOWN)				
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 OF THE EASEMENT				
SHOW AND LABEL ALL EXISTING AND PROPOSED STORMWATER MANAGEMENT				
SHOW AND LABEL ROADSIDE DITCHES AND DRIVEWAYS				
SHOW AND LABEL SIDEWALKS, INCLUDE WIDTH WITHIN THE LABEL				
ENCROACHMENTS INTO PWC EASEMENTS MUST BE CLEARLY SHOWN AND LABELED				
INCLUDE A LEGEND WITH ALL LINE TYPES AND SYMBOLS. ALTERNATIVELY, LINES AND SYMBOLS SHOULD BE INDIVIDUALLY LABELED.				
EXISTING SERVICES SHOULD BE LABELED AS TO "REMAIN IN USE" OR "TO BE ABANDONED"				
RESTAURANT/FOOD SERVICE - A GREASE TRAP IS MANDATORY FOR ALL RESTAURANT/FOOD SERVICE DESIGNS AND MUST BE SHOWN AND LABELED				
CAR WASH - AN OIL SEPARATOR IS MANDATORY FOR ALL CAR WASH DESIGNS AND MUST BE SHOWN AND LABELED				
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				
LABEL ALL FITTINGS/TAPS AND APPURTENANCES ON ALL WATER AND SEWER LINES.				
EACH MANHOLE MUST BE LABLED WITH ITS UNIQUE MANHOLE NUMBER, ITS RIM ELEVATION, ITS STATION NUMBER, AND ALL INVERT IN AND INVERT OUT ELEVATIONS, BOTH EXISTING AND PROPOSED.				

IF BORE & JACK IS REQUIRED, YOU MUST SHOW ALL DETAILS REQUIRED (CASING, LENGTH, ENTRY/RECEIVING BORE PITS, BEGIN AND END STATION, ETC.)				
SHOW PROPOSED AND EXISTING TURNING LANE ARROWS				
ALL WATER LATERALS MUST SHOWN, AND LABELED BY STATION NUMBER, FINISHED CURB GRADE, TAP SIZE AND TYPE AND/OR FITTING				
VALVES SHOULD BE PLACED NEAR THE MAIN ON ALL 2" OR LARGER TAPS				
FIRE HYDRANT LEGS SHALL BE 6" RJDI WITH 6" GATE VALVE				
FIRE HYDRANTS AND BLOW-OFFS SHALL BE LOCATED ON PROPERTY LINES WHERE POSSIBLE				
THE PURPOSE OF EACH PROPOSED SERVICE SHOULD BE SPECIFIED (i.e. FIRE, DOMESTIC, IRRIGATION)				
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				
A 1" BLOW OFF OR IRRIGATION METER SHALL BE USED AT THE END OF ALL METER BANKS, UNLESS LOOPED				
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.				
BACK FLOW PREVENTERS SHOULD BE AT LEAST 5' FROM THE METER				
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				
NO TAPS ARE ALLOWED TO COME OFF OF A FIRE LINE WITHOUT PWC APPROVAL (REFER TO DETAIL DRAWING W.21)				
THE BASE FLANGE ELEVATION OF ALL PROPOSED FIRE HYDRANTS MUST BE LABELED				
ADD A NOTE THAT PWC O&M ENDS AT THE FIRST SSCO				
ADD A NOTE THAT PWC O&M ENDS AT THE METER				
A JUMBO BOX MUST BE USED FOR 1.5" AND 2" IRRIGATION METERS				
LENGTH, SIZE, MATERIAL AND SLOPE OF ALL SEWER MAINS & LATERALS SHOULD BE CLEARLY IDENTIFIED/LABELED				
FLOW DIRECTION MUST BE SHOWN WITH ARROWS ON ALL EXISTING SEWER MAINS				
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.				
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)				
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				
PWC SANITARY SEWER CLEANOUTS SHOULD BE PLACED 18" INSIDE THE EASEMENT OR RIGHT-OF-WAY LINE				
A LOCKING RING AND COVER (CAMLOCK) IS REQUIRED ON ALL MANHOLES OUTSIDE OF PAVEMENT				
PWC SEWER CLEANOUTS SHOULD BE 4 TO 6 FT IN DEPTH, LABEL RIM AND INVERT ELEVATIONS				
MH RIMS MUST BE 24" ABOVE THE 100-YR FLOOD LINE ELEVATION, OR 18" ABOVE GRADE IN OUTFALL AREAS, WHICHEVER IS GREATER				
PLANS MUST SHOW 100 YR FLOOD ELEVATION & BOUNDARIES, IF APPLICABLE				
NO 90° BENDS ON SEWER FORCE MAINS				
NO SEWER LATERALS TAPPED ONTO MAIN LARGER THAN 15"				
PERMIT APPLICATIONS, SUBMITTAL CHECKLIST, 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				
THE DISPLAYED PROJECT NAME SHOULD BE CONSISTENT ON ALL PLANS & ALL DOCUMENTS INCLUDED WITH THE SUBMITTAL, AND SHOULD BE UNIQUE TO EACH PROJECT				
HYDRAULIC CALCULATIONS MUST BE SEALED BY A P.E.				
ADDITIONAL APPROVAL REQUIREMENTS (ONLY WHEN APPLICABLE)	YES	NO	N/A	SEE COMMENTS
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.				
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.				
IS A RAILROAD ENCROACHMENT REQUIRED? IF SO, HAVE THE APPROPRIATE MAPS AND DOCUMENTATION BEEN SUBMITTED?				
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.
If you have questions please contact:

Tech/Specialist: _____ Phone: _____

Email: _____