

MINIMUM REQUIREMENTS FOR PERMITTED PROJECTS							
PROJECT NAME		REVIEW DATE:					
PRE-APPLICATION - 30% REVIEW (OPTIONAL)							
1. GENERAL		YES	NO	N/A	SEE COMMENTS		
1a	DESIGN AND DRAFT ALL PLANS ON 24"x36" (SIZE D) OR 30"x42" (SIZE E) SHEETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1b	CLEARLY DISPLAY THE NAME OF THE SUBDIVISION OR PROJECT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1d	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1e	NORTH ARROW ALL SHEETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1f	SHOW WETLANDS AN ALL PLANS (WHERE APPLICABLE) WITH RESPECT TO ALL UTILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1g	IF ONSITE PWC UTILITY EASEMENTS WILL BE NEEDED, DETERMINE WHETHER IT WILL BE BLANKET OR DEDICATED AND ADDRESS ACCORDINGLY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1h	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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. UTILITY COVER		YES	NO	N/A	SEE COMMENTS		
2a	LABEL ALL STREET NAMES: INCLUDE STATE ROAD NUMBER (LOCAL NAME - XXXXXX RD), AS WELL AS ANY STATE ROAD IDENTIFIER (SR #####)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2b	SHOW AND LABEL ROADSIDE DITCHES AND DRIVEWAYS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2c	SHOW AND LABEL SIDEWALKS, INCLUDE WIDTH WITHIN THE LABEL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2d	SHOW THE EXISTING AND PROPOSED CONTOURS WITH LABELS (CONTOUR INTERVALS SHOULD NOT EXCEED 2 FEET)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2e	EXISTING UTILITY LINES SHOULD BE LABELED BY SIZE & MATERIAL (IF MATERIAL IS KNOWN)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2f	SHOW LOCATION OF ANY EXISTING STRUCTURES THAT WILL REMAIN ON SITE, INCLUDING BUT NOT LIMITED TO WELLS, FENCES, HOUSES, ETC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2g	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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2h	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2i	THE BOTTOM RIGHT HAND CORNER OF UTILITY PAGE(S) SHOULD BE LEFT BLANK FOR PWC APPROVAL STAMPS (7" H X 5" W)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2j	INCLUDE A VICINITY MAP WITH A NORTH ARROW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2k	INCLUDE A SCALE - HORIZONTAL (TO INCLUDE GRAPHICAL & WRITTEN SCALE), VERTICAL (TO INCLUDE WRITTEN)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2l	INCLUDE A LEGEND WITH ALL LINE TYPES AND SYMBOLS. ALTERNATIVELY, LINES AND SYMBOLS SHOULD BE INDIVIDUALLY LABELED.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2m	SHOW PIN/REID WITH OWNER FOR PROJECT PARCEL(S)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2n	SHOW PIN/REID WITH OWNER FOR ALL NEIGHBORING PARCELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2o	SHOW THE PROPOSED WATER MAINS WITH SIZE AND MATERIAL. (EX. 8" C-900). "PVC" IS NOT AN ADEQUATE MATERIAL LABEL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2p	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2q	PROPOSED VERSUS EXISTING UTILITIES SHOULD BE DIFFERENTIATED BY LINE TYPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
PRELIMINARY REVIEW - 60% REVIEW (REQUIRED)							
3. GENERAL		YES	NO	N/A	SEE COMMENTS		
3a	TITLE SHEET INCLUDED ON ITS OWN PAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3b	THE PROJECT NAME SHOULD BE EXACT AND CONSISTENT ACROSS ALL INCLUDED SHEETS AND ACCOMPANYING DOCUMENTS, AND SHOULD BE UNIQUE TO EACH PROJECT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3c	SHEET INDEX WITH THE TOTAL NUMBER OF SHEETS AND DESCRIPTIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3d	IF PROJECT IS IN CITY OF FAYETTEVILLE OR TOWN OF HOPE MILLS MIA, INCLUDE EVIDENCE OF THE PETITION FOR ANNEXATION OF AND/OR PROOF OF WAIVER.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3e	PROVIDE JUSTIFICATION FOR ANY METER SIZE 2" OR LARGER. PWC WILL PROVIDE METER DATA SHEETS UPON REQUESTS FOR YOUR INFORMATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3f	IS DESIGN ENGINEER CONTRACTED TO FOLLOW PROJECT THROUGH CONSTRUCTION/CLOSEOUT? IF NOT, HAS ENTITY BEEN IDENTIFIED TO FOLLOW PROJECT THROUGH CONSTRUCTION/CLOSEOUT?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. UTILITY COVER		YES	NO	N/A	SEE COMMENTS		
4a	PLANS SHOULD SHOW ALL PROPOSED LIFT STATIONS, THEIR LOCATION, AND BE SIZED TO SERVE ADDITIONAL DEVELOPMENTS (i.e., REGIONAL LIFT STATIONS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4b	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 5.2 FOR MORE INFORMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4c	IF BORE & JACK IS REQUIRED, YOU MUST SHOW ALL DETAILS REQUIRED (CASING, LENGTH, ENTRY/RECEIVING BORE PITS, BEGIN AND END STATION, ETC.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4d	RESTAURANT/FOOD SERVICE - A GREASE TRAP IS MANDATORY FOR ALL RESTAURANT/FOOD SERVICE DESIGNS AND MUST BE SHOWN AND LABELED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4e	CAR WASH - AN OIL SEPARATOR IS MANDATORY FOR ALL CAR WASH DESIGNS AND MUST BE SHOWN AND LABELED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4f	LABEL ALL FITTINGS ON ALL WATER AND SEWER LINES WITH STATION NUMBERS AND INDIVIDUAL ASSET LABELS (TAPS, BENDS, FHS, ETC.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4g	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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4h	SHOW AND LABEL ALL EXISTING AND PROPOSED STORMWATER MANAGEMENT FEATURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4i	SHOW PROPOSED AND EXISTING TURNING LANE ARROWS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4j	ENCROACHMENTS INTO PWC EASEMENTS MUST BE CLEARLY SHOWN AND LABELED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4k	DETERMINE WHETHER THE EASEMENT WILL BE BLANKET OR DEDICATED AND ADDRESS ACCORDINGLY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. WATER PLAN/PROFILE							
5a	EVERY DESIGN IS REQUIRED TO HAVE AT LEAST 3.5 FT OF COVER FOR ALL WATER AND SHOW PIPE DEPTHS WITH DIMENSION ARROWS ON EACH PROFILE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5b	SEPARATION DISTANCES BETWEEN UTILITIES SHOULD BE LABELED WITH ACTUAL SEPARATION DISTANCES FOR EACH CROSSING. YOU WILL NEED TO CALL OUT SPECIAL CONDITIONS WHEN MINIMUM SEPARATIONS ARE NOT MET (i.e., DI PIPE USED)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5c	EXISTING AND PROPOSED GRADES MUST BOTH BE CLEARLY SHOWN AND LABELED IN PROFILE VIEW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5d	LABEL EACH FITTING, FIRE HYDRANT, BLOW-OFF AND VALVE WITH THEIR SIZE, TYPE, AND STATION NUMBER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5e	THE BASE FLANGE ELEVATION OF ALL PROPOSED FIRE HYDRANTS MUST BE LABELED11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5f	LABEL ALL RESTRAINED JOINT DI PIPES OR STANDARD JOINT DI PIPES WITH BEGINNING & ENDING STATIONS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5g	TWO (2) GATE VALVES ARE REQUIRED AT TEE INTERSECTIONS, AND THREE (3) GATE VALVES ARE REQUIRED AT CROSS INTERSECTIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5h	VALVES MUST BE PLACED SO THAT IF MAIN BREAK OCCURS, NO MORE THAN 20-25 CUSTOMERS WILL BE WITHOUT WATER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5i	VALVES SHOULD BE PLACED NEAR THE MAIN ON ALL 2" OR LARGER TAPS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5j	NO 90° BENDS ALLOWED ON WATER MAINS UNLESS OTHERWISE APPROVED BY PWC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5k	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5l	A 1" BLOW OFF OR IRRIGATION METER SHALL BE USED AT THE END OF ALL METER BANKS, UNLESS LOOPED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5m	A JUMBO BOX MUST BE USED FOR 1.5" AND 2" IRRIGATION METERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5n	ALL WATER LATERALS MUST SHOWN, AND LABELED BY STATION NUMBER, FINISHED CURB GRADE, TAP SIZE AND TYPE AND/OR FITTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5o	PLUG AND BLOW-OFFS FOR DEAD-END WATER MAINS SHOULD BE INSTALLED AT LEAST 5 FT BEYOND EDGE OF PAVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5p	FOR A DEAD-END WATER MAIN, THERE MUST BE A MINIMUM OF 60 LF OF PIPE PAST THE LAST GATE VALVE TO THE PLUG IF USING C-900. OTHERWISE, THE LAST 72 LF OF PIPE MUST BE R/J/D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5q	FIRE HYDRANTS AND BLOW-OFFS SHALL BE LOCATED ON PROPERTY LINES WHERE POSSIBLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

