

AS-BUILT CHECK LIST Rev. 6

CAPE FEAR PUBLIC UTILITY AUTHORITY

Date: _____

Subdivision Name: _____

Reviewed by: _____

CFPUA Project Number: _____

CFPUA Technical Specification: 01 70 00 Execution and Closeout Requirements

W	S	#	√ - COMPLETED	X - INCOMPLETE	N/A – NOT APPLICABLE
		1	Name of subdivision (if applicable), owners name, date of construction, north arrow, scale, vicinity map and as-built plan.		
		2	Drawings shall indicate water/sewer phases and their relationship to subdivision phases.		
		3	Sheet numbers and number of total sheets.		
		4	Clearly indexed cover sheet with location of plan - profile sheets on cover sheet, by sheet number.		
		5	Accurate location map and index planning map at a scale of 1 inch = 200 feet.		
		6	Total linear feet on cover sheet listed by phases:		
			Water lines:	Gravity line:	Force main:
		7	Certification notes listed by phase and location on cover sheet.		
		8	All lettering shall be at least 0.10 inches in height. The scale shall be 1" = 50' (horizontal) and 1" = 5' (vertical).		
		9	The contractor's final survey shall be provided with a copy of the as-builts. The survey shall be completed in accordance with CFPUA Technical Specification 01 70 00.		
		10	Engineer has incorporated Contractor's final survey into the as-builts. As-builts shall accurately represent final horizontal and vertical alignments with respect to final grade. Shall also include all utility separations, both horizontal and vertical, with respect to all other utilities.		
		11	The final elevation of water mains and force mains shall be surveyed every 50' or at each change in horizontal and vertical direction, and at each valve location with final grade in place.		
		12	Final grade shall include elevation directly over the utility main as well as the elevation at the edge of pavement. Profile shall include both grade lines to distinguish the elevation drop from the edge of pavement.		
		13	All crossings shall be identified, and separations shall be verified with the Contractor's survey to confirm as-built separation. All proposed minimum separation notes from the design plans shall be removed.		
		14	All inverts into and out of manholes shall be field verified to 1/100 ft.		
		15	Show manhole top elevation & flood elevation or surface water flow levels @ each MH.		
		16	Elevations shall be tied to mean sea level. Indicate any benchmarks within project area.		
		17	All monuments shall be identified including manhole sewer monuments.		
		18	Show vertical and horizontal separations of waterlines, sewer mains, and force mains to proposed or existing utilities and structures (includes storm water piping).		
		19	For each sewer reach, show pipe diameter, length, type, slope, existing surface elevations and proposed finish grades. Show station or distance to beginning and end of change in pipe material.		
		20	Show location of air release valves, gate valves and fittings along water main and sanitary sewer force main.		
		21	Station numbers shall be included.		
		22	Plans shall show stubs for individual services. C/O shown open circle, water meters open box. Sewer Cleanouts (COs) shall be located by measuring from each manhole along the sewer main up stream to a point which lies on a line that is perpendicular to the sewer main and connects said point and C.O. - zero point shall be the immediate downstream manhole and measured from main to C/O, i.e., 127/14R. No stations shall be used. Indicate size and location of all of services.		
		23	Indicate size of services greater than 4".		
		24	Indicate manhole service taps, service casing &/or material transition.		
		25	Water services shall be clearly drawn including the location of the tap to the meter box. An open square shall be used to identify the meter boxes.		
		26	All casing pipes shall be identified including the start and end of the casing.		

AS-BUILT CHECK LIST Rev. 6
CAPE FEAR PUBLIC UTILITY AUTHORITY

		27	Existing infrastructure where crossings are located or where connections were made shall be referenced by title and page of as-built drawing. The Authority will assist with obtaining this information, (i.e. existing manhole number, project name, CFPUA number and sheet number. Show information on plan-profile sheet and cover sheet.
		28	All proposed design language shall be removed including minimum and maximum installation requirements. Depths of pipe shall be verified with Contractor's survey and updated accordingly on the as-builts.
		29	Lot numbers, property lines and owner reference lines, street names and all easements.
		30	Engineer's seal and Surveyor's seal as applicable or required.
		31	Show all water supply wells within 50' & community wells within 100' of sewer main.
		32	Water & sewer layers to be bolder line type than drainage, streets, etc.
		33	All final contour lines shall be reflected on the as-built.
		34	A PDF and digital copy (format no older than AutoCAD 2005) of the Final as-built plans must be provided to the Authority. All drawings shall become the property of the Cape Fear Public Utility Authority.
		35	Permitted main line final as-built plans shall be inked on original base mylar sheets (24" X 36"), or the engineer shall provide drawings on Dupont Crovx Erasable Image (wash-off) sheets or approved equal. All drawings shall become the property of the Cape Fear Public Utility Authority.

Date Final Inspection Completed: _____

Inspectors Signature: _____