



FULTON COUNTY AS-BUILT CHECKLIST

Department of Public Works
11575 Maxwell Road
Alpharetta, Georgia 30009
Telephone: 404-612-3421

Project Name: _____ Date: _____

WR Permit Number: _____

Phone Number: _____ Reviewed By: _____

AS-BUILT CHECKLIST

PLEASE ADDRESS ALL ITEMS MARKED WITH AN "X".
PLEASE SUBMIT THREE (3) SETS WITH RED-LINED COMMENTS TO THIS
OFFICE.

- ___ 1. Project Name, including A.K.A.'s; Fulton County WR Number.
- ___ 2. Street address on all non-subdivision projects.
- ___ 3. Surveyor's name, address and phone number. Dates of revisions shall be included and all plans shall be signed and sealed by a registered land surveyor.
- ___ 4. Contractor's name, address and phone number.
- ___ 5. Owner's name, address and phone number.
- ___ 6. Land Lot, District, Section, City, County and State.
- ___ 7. Scale shall be no smaller than 1" = 50'.
- ___ 8. Location map.
- ___ 9. Show all adjacent property lines, subdivisions and existing buildings.
- ___ 10. Street names shall match that of the final plat and right-of-way width. The posted speed limit of roads with a speed limit greater than 25 mph shall be shown.
- ___ 11. Show all pipe crossings (storm drainage, sanitary sewer, water and sewer laterals) on plan and profile views.
- ___ 12. Type of pipe, size, slope, and length of sanitary and water. Show total length of 8-inch and larger sanitary and water lines.
- ___ 13. All manholes indicated with identification, station number, top elevation, invert elevation (influent and effluent), lateral invert elevations.

- ___ 14. Manhole inverts shall have a minimum of 2/10 of a foot (0.20') drop across the manhole.
- ___ 15. Location of concrete collars shall be shown on all lines exceeding 20% slope and at aerial crossings.
- ___ 16. Reflection angles shall be shown at all sewer manholes including the tie-in manhole.
- ___ 17. Direction of flow arrows shall be shown on sewer lines.
- ___ 18. Plan and profile of all existing and new sanitary pipes with storm and water crossing at a scale not smaller than 1" = 50' horizontal and 1" = 10' vertical.
- ___ 19. Stationing and offset of all sewer laterals from the downstream manhole and their location shown on the plans.
- ___ 20. Heavy duty traffic bearing cleanouts in all paved areas.
- ___ 21. Laterals shall be provided for each lot. Laterals may extend a maximum of 125-feet offsite. Laterals must extend to the edge of the easement on commercial developments. Laterals shall be placed at the right-of-way line or at the edge of the utility easement for private streets. Laterals must extend a minimum of 10.5-feet from the back of curb in residential developments. All laterals must end in a cleanout.
- ___ 22. Minimum slope for wastewater lines are as follows:
- 2.0% on 4-inch lines (pre-approved only)
 - 1.0% on 6-inch lines
 - 0.7% on 8-inch lines
 - 0.5% on 10-inch lines
 - 0.4% on 12-inch lines
 - 0.3% on 15-inch lines
 - 0.25% on 18-inch lines
- 21-inch and larger sizes shall maintain 2 feet/sec at one quarter capacity.
- ___ 23. All pipes installed at less than the minimum slope shall be flow tested as follows: Minimum 2 fps flowing one-third full on pipes 18-inches and smaller. Minimum pipe size is 8-inch for public sewer lines. Pipes larger than 18-inches shall maintain a minimum of 2 fps when flowing one-half full.
- ___ 24. DIP sanitary required for the following conditions.
- A) Less than 4-feet of cover in unpaved areas.
 - B) Less than 6-feet of cover in paved areas.
 - C) Greater than 20-feet of cover (Class 51 DIP required)
 - D) Crosses over a storm sewer line
 - E) Crosses within 1-foot of another utility
 - F) In a fill area
- DIP may be required in other conditions.
- ___ 25. For all sanitary lines above ground, wrapped and coated steel pipe or DIP shall be used.
- ___ 26. No more than 4 connections per manhole.

___ 27. DIP outside drop required for the following conditions when the influent invert to the effluent invert drop exceeds the following:

<u>PIPE SIZE</u>	<u>DROP</u>
8-inch	27-inches
10-inch	27-inches
12-inch	30-inches
15-inch	36-inches
18-inch	42-inches

___ 28. Intermediate cleanout required where the outside drop exceeds 10-feet.

___ 29. All manholes outside of roadways and right-of-ways in non-landscaped areas shall be 18-inches above grade with a precast eccentric cone section and bolt down flange up frame and covers.

___ 30. All manholes within a flood plain or high water area shall have water tight covers and extend above the 100-year flood hazard elevation.

___ 31. Manholes may not be flush with the ground except in landscape areas.

___ 32. Provide and show safety platforms within manholes in excess of 20-feet deep. Spacing shall be as follows:

<u>MANHOLE DEPTH (FEET)</u>	<u>PLATFORM SPACING (FEET)</u>
20 to 23	1 platform spaced in middle
24 to 28	2 platforms evenly spaced
29 to 36	3 platforms evenly spaced

___ 33. Neoprene couplings with stainless steel bands and shear rings or Harco fitting adapters are required for joining different types of sanitary sewer pipes. Show the locations on the plans.

___ 34. Eight inch (8") or larger pipe lines shall be TV inspected. A virus free portable storage drive (USB Flash Drive) and written inspection log in compliance with NASSCO and certified by a Georgia Registered Engineer or Registered Land Surveyor shall be provided when as-builts are submitted. All videos shall include PACP and MACP completed forms. A copy of the operator's current NASSCO certification shall be submitted. Please refer to the attachment for detailed information.

___ 35. Provide water as-built plan view.

___ 36. Show location and stationing of all water appurtenances (fire hydrants, valves, tees, water meters, sampling stations, vaults, backflow vaults, hose bibb at dumpster pad, etc.) on the plans.

___ 37. Show the location of all water services.

___ 38. Show the location of all mechanical joints 22-1/2 degrees or larger.

- ___ 39. Show the location of all thrust blocks, blocking, and deadmans.
- ___ 40. Show the casing diameter and material on all casings.
- ___ 41. Lightly shade all water and sanitary sewer easements outside of the right-of-way or utility easement along private streets dedicated to Fulton County.
- ___ 42. Show pre-development and post-development grades on all profiles.
- ___ 43. Provide the plat book and page numbers of all easements.
- ___ 44. Signature of the inspector and field acceptance of the as-builts are required prior to the approval of the as-builts.
- ___ 45. Depth of lateral at cleanout.
- ___ 46. Material of lateral.
- ___ 47. Location of piers on aerial crossings.
- ___ 48. Rip rap location on stream crossings.
- ___ 49. Show existing water main location, type and size along the entire property frontage.
- ___ 50. Provide digital as-builts for all developments in accordance with the As-built Submissions and CAD Standards. Refer to <http://www.fultoncountygga.gov/fcwr-developer-information> for information concerning the required format.
- ___ 51. All public easements must be recorded.
- ___ 52. Approval from Public Works, Pretreatment Division for grease trap, sand trap and oil / water separator.

Please note the following:

Re-inspection fees are to be paid at time of submittal.

All permit revisions / phasing and / or field changes must be submitted and approved by the inspector prior to final submittal.

Maintenance bonds are required prior to final approval of as-builts.



FULTON COUNTY

PACP data requirements

1. PACP database must be NASSCO compliance
2. Data must be delivered in PACP or GaniteXP format
3. PACP format is only acceptable for the following versions: Nothing earlier than 2.0.2
nothing later 6.0.3
4. Asset ID in the database needs to be implemented as provided by Fulton County. If the CCTV contractor discovers additional assets that are not currently mapped by Fulton County, then the discovered asset(s) should be identified with a TMP prefix joined with the next known downstream Asset ID. If there is no downstream and upstream IDs contractor need to use sequence number identified with a TMP.
5. If a new Data (manhole, pipe) is found, map update (sketch) needs to be provided
6. Data and videos should be provided on a CD/DVD with the label of the project
7. Videos will only be accepted in MPG format.
8. Video needs to be delivered per section of the pipe from manhole to manhole.



CCTV SUBMITTAL FORM

Fulton County Department of Water Resources
 Technical Services Division
 141 Pryor Street, S.W., Atlanta, Georgia 30303
 Tel: 404-730-7470 Fax: 404-224-0978

Date	
Project Name	
Project No	
Work Order No	
Description (Start point - End point)	

ITEMS Attached: CD/DVD ___ PACP database Version ___ Video ___ Pictures ___ As-built ___

DELIVERY: Mail ___ Hand ___

COPIES	Document Date	File No	Contractor	Subcontractor

For internal use only

TRANSMITTED AS REQUESTED TO GIS

Received by **GIS** ___

REMARKS:

Signed:

Signed:

 Approved by GIS

 Project Manager