City of Mobile
Engineer's As-Built Certification
Public Roadway and Subdivision Development

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Project Information

Project Name: _____

Project Address: _____

Permit Number(s): _____

Engineer's As-Built Certification

I hereby certify that this project was built in accordance with the permitted plans, and that drawings and calculations of any significant changes in the final construction of the project from what was shown on the originally permitted plans have been submitted to the City Engineer.

Initial Each Item Below (Enter N/A if not applicable)	Item Being Certified By the Professional Engineer of Record
	Two (2) hard copies of the **AS-BUILT** plans meeting the following requirements are provided: 1. The plans are marked as-built and the Engineer of Record has signed, sealed, and dated each plan sheet. 2. The plans include a site, grading, and drainage plan sheet(s) reflecting the as-built condition of all existing and constructed features in the ROW. 3. The plans include as-built typical sections, drainage profiles with as-built elevations of the top, throat, and inverts of all drainage structures, and as-built cross-sections at a maximum of 50-foot intervals, at stations where there are breaks in grade or changes in section, and at the beginning and ending of project. The cross sections include vertical/horizontal scales (vertical scale should be 10:1 of horizontal scale), pre-construction and as-built ground lines labeled with tie-in points, sidewalks, curb and gutter, undercut for sub-base material, roadbed (base and asphalt).
	The following digital submissions of the **AS-BUILT** plans are provided: 1. A PDF file of the plans 2. A CAD (DXF, DWG, or DGN) or GIS (SHP) file showing all drainage and/or utility installations constructed correctly referenced to NAD83 Alabama State Plane Coordinate System (West Zone) in U.S. Survey feet OR in a format approved by the Engineering and GIS department compatible with the City of Mobile GIS system. If the roadway/subdivision development is related to land disturbance work, the files have been e-mailed to land.disturbance@cityofmobile.org. If the project included ROW work only, the files have been e-mailed to rightofway.permits@cityofmobile.org.
	Two (2) hardcopies and PDF of the required materials testing reports have been provided.
	I have reviewed the laboratory test results and find that the sub-base, base, and asphalt paving are in accordance with the permitted plans and in accordance with ALDOT standards for composition, thickness, and density.
	I have reviewed the laboratory test results and find that the concrete used for the drainage structures, curb, and curb and gutter and on other load bearing structures, such as signal poles, etc. in the City ROW is the appropriate mix and is in accordance with ALDOT standards.

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	The profile, cross-slopes, grades, lane widths, tapers, and all other required geometric dimensions of newly constructed roadways to be dedicated to and accepted for maintenance by the City or existing roadways which have been reconstructed, widened, lanes added or extended have been constructed in accordance with City of Mobile Standard Drawings and the permitted plans.
	The asphalt paving overlaps the concrete gutter in accordance with City of Mobile Standard Drawings and the permitted plans.
	Storm drainage video files and a written report are provided for all drainage pipes utilized for private underground detention, connecting to or placed within the ROW or Public Easements (e.g. outfall to City drainage system connection), or existing drainage pipes carrying City of Mobile system stormwater through private property. The video pans left and right at all joints and provides adequate video-graphic documentation of any deficiencies. The report includes a pipe layout plan with nomenclature matching the videos and as-built drainage plans and, for each pipe videoed, a sheet detailing the pipe properties (e.g. name, size, material, etc.) with a diagram showing the stations and video time stamps of the beginning, end, and any deficiencies noted.
	I have reviewed the required storm drain videos and video report and the drainage pipes/structures were all found to be free of sediment or debris and do not depict any pipe deficiencies (e.g. lifting eyes, cracks or holes in pipe, bad joints, etc.). A field inspection has been performed to confirm my findings.
	Field inspection of the junction boxes, manholes, inlets, outfall control structures, etc. to confirm they are currently free of sediment and debris, connections to these structures are properly grouted to mitigate any potential for creating voids, and inverts have been poured in the bottom of the structures which do not have sumps
	All pipe installed in the ROW, Public Easements, or existing drainage pipes carrying City of Mobile system stormwater through private property are installed with no joints wrapped with filter fabric, no lifting holes, and are a minimum 15 inch diameter Class III or stronger reinforced concreter pipe (RCP)
	As-built junction box/manhole/inlet invert and top elevations and outfall invert elevations were checked, are noted on the as-built plans, and are in accordance with the permitted plans and drainage calculations
	Manhole and utility rings are properly installed.
	Energy dissipation at the outfall discharge point(s) have been constructed in accordance with the permitted plans and in accordance with ALDOT standards where applicable. If riprap was used, it was installed with the required dimensions, class, and quantity and was underlain with filter fabric.
	Headwalls are properly constructed flush with the adjacent ground and the adjacent ground is stable with permanent vegetation (or riprap if required). If the headwall is subject to erosive forces, it has been constructed to prevent erosion and undermining of the headwall. If the headwall is subject to potential oncoming traffic collisions, it has been constructed according to ALDOT Standard Drawing HW-614-SP (ALDOT Safety Headwall).
	The storm drainage system and storm water detention facilities were constructed in accordance with the permitted plans. Detention pond is solid sodded or permanently stabilized by method approved by the City of Mobile Engineering department.
	Surveyed storm water detention volume: _____ cubic feet, which is greater than or equal to the permitted storm water detention volume. Permitted storm water detention volume is _____ cubic feet.

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	The orifice plate/weir is sized and installed correctly. Provide the orifice plate/weir: measured size _____ inches; the required size from the permitted plans is _____ inches.
	The orifice plate is securely attached.
	Underdrains (☐WERE/☐WERE NOT) installed. If "WERE" is checked, an underdrain location drawing is provided with the as-built drawings.
	All traffic striping, markings and legends in the City ROW are thermoplastic and constructed in accordance with the permitted plans.
	Traffic signal(s), traffic signal controller, loops, and all other associated traffic signal work were constructed in accordance with the permitted plans.
	Irrigation system and associated items were constructed in accordance with the permitted plans.
	Driveway aprons, sidewalk, handicapped ramps, solid sod, vegetation, etc. in the ROW were constructed in accordance with City of Mobile Standard Drawings and the permitted plans.
	Existing or newly constructed sidewalk and driveways in the right-of-way are in a condition free of hazards to pedestrians or vehicles.
	Neutral ground in the ROW is solid sodded or permanently stabilized by method approved by the City of Mobile Engineering department.
	Embankment and/or excavated slopes are 3:1 or flatter (maximum slope) unless explicitly approved on the permitted plans. Slopes greater than 3:1 are permanently stabilized with concrete slope paving or permanently stabilized by method approved by the City of Mobile Engineering department.
	Low impact development design is constructed in accordance with the permitted plans.
	Within the Homeowners Association Restrictive Covenants, the Association assumes responsibility for maintenance of storm water detention facilities. The Covenants were recorded in map book _____, page number _____ on date _____. A copy has been provided to the City Engineer.

Additional Comments:

Date of Engineer's Final Inspection: _____

Name of Engineering Firm: _____

Printed Name of Engineer: _____ **Prof. License No.:** _____

Signature of Engineer: _____ **Date:** _____

Engineer's Seal (Affix Seal, Sign, and Date in the Box to the Right)**:**