MWS Stormwater As-Built Technical Review Requirements (TRR) - Version 1 - 5/23/2023			
THE TRR IS TO BE INCLUDED WITH ALL TECHNICAL REVIEW SUBMITTALS			
Project Name: Date:			
Introduction:			
Metro Nashville is experiencing high levels of growth and demand for permitting services. In order to provide a productive review, basic elements of the stormwater as-builts are necessary. The TRR represents the minimum requirements which must be met for Metro Water Development Services staff to perform a full plan review. Failure to meet one or more of these requirements will result in			
the submittal being deemed incomplete and returned to the design engineer. Design engineer must fill out TRR completely Each Time it is			
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Directions:			
Review the requirements below, and include this sheet with each submittal. In the "Design Engineer" column note if the requirement is "N/A". If requirement is applicable, note the file name and page number of PDF '. Once completed, fill out the certification statement and include in the			
submittal. All stormwater as-builts shall be submitted through epermits as PDF files.			
Submitted 7111 Stoffmater as Submitted through epermits as 121 Junes.			
	Example: Calcs - pg.1 These Columns For MWS & Contracted Reviewers Use Only		
General Requirements:			/A MWS & Contracted Reviewer Comments
1 Provide a compliance letter that meets the following requirements:	14/A Tiuris / cures / Troject Boes Tuge	" TC3 NO N	7A INVO & CONTRACTED REVIEWER COMMENTS
a. PE Stamped, Signed, and Dated (shall be up to date)			
b. Note survey of constructed conditions			
c. Note deviations from the MWS-approved GP			
d. Includes all permit numbers requiring a AB approval			
2 Provide bio media mix test results.			
3 Provide installation & completion photos for all SCMs.			
4 Provide a landscape architect certification for plantings.			
5 CCTV inspections shall be performed for public storm infrastructure and the following shall be provided:			
a. Pipe Inspection Reports (included in as-built package)			
b. Pipe Inspection Videos (submitted via the FTP)			
6 Provide water quality unit receipts.			
7 Provide PE stamped cut and fill balance certification for floodplain/sinkhole alterations.			
8 Submit a CAD file registered to the TN State Plane Coordinate System NAD83 with data separated into labeled layers via the FTP.			
o passifica exp file registered to the 114 state right coordinate system 147,000 with data separated into labeled layers via the 111.	Example: Calcs - pg.1	These Colum	nns For MWS & Contracted Reviewers Use Only
Plan Requirements: N/A Plans / Calcs / Project Docs - Page # Yes No N/A MWS & Contracted Reviewer Comments			
9 All plan sheets and details shall be clearly labeled "As-Built" or "Record Drawing".	14/A Tiuris / cures / Troject Boes Tuge	" 103 140 14	7A INVO & CONTRACTED REVIEWER COMMENTS
10 All survey sheets shall be stamped, signed, and dated by a licensed surveyor (shall be up to date).			
11 All applicable survey sheets shall be to scale with a graphical scale bar and North arrow (vertical and horizontal).			
12 Survey sheets shall identify the following:	+ +		
a. SCMs			
b. Ditches			
c. Outfall Points	+ +		
d. Public Stormwater Infrastructure	+ +	+++	
f. Floodplains			
13 Provide detail sheets for all SCMs with as-built and design dimensions (<i>label SF, Tv, & outlet structures</i>).	+ +	+++	
14 Provide LID As-Built Requirement Tables as shown in SWMM Volume 5.	+ +		
15 Provide pipe and structure tables with as-built and design dimensions for all public infrastructure (<i>AB redline or bold</i>).	+ +		
16 As-Built contours must be shown at 2 foot intervals (maximum).			
17 Buffers shall be shown correctly or Hydrologic Determination (HD) approved by TDEC.			
	Example: Calcs - pg.1	These Colum	nns For MWS & Contracted Reviewers Use Only
As-Built Calculations: (This section is N/A when AB meets or exceeds design requirements.)			/A MWS & Contracted Reviewer Comments
18 Calculations shall be PE Stamped, Signed, and Dated (shall be up to date).		100 110	
19 Provide an accurate as-built water quality map, shall be color coded & include the following:			
a. Area Amounts			
b. Curve Numbers			
c. Surface Conditions & Soil Types			
20 Provide accurate as-built LID spread sheets (latest edition) & calculation for any LIDs not to design.			
21 Provide accurate as-built SCM calculations for any stormwater infrastructure not to design.			
22 Provide accurate as-built pre & post flow calculations for any slopes not to design.			
23 Provide accurate as-built calculations for any public stormwater infrastructure not to design.			
Engineer's Statement:			
In addition to the items listed on the Transmittal Form, I hereby certify that this submittal provides all items listed on the Technical Review Requirements and the location of these items are correctly noted.			
Reviewed by Engineer:	Checked by Engineer:		
TO BE COMPLETED BY MWS DS: A technical review of the subject project has been performed by MWS DS. This sa	ubmittal has been deemed:		TR#
MWS Reviewer: Email:			