PDN Stage 2HY2 – Hydraulics QC Checklist

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| --- | --- |
| **SPOT ID/Project TIP #:** | Click or tap to edit. |
| **County:** | Click or tap to edit. |

2HY2: Drainage Design for Field Inspection

Deliverable: Hydraulics Pre-Design Meeting Documentation

| **Item #** | **Review Item** | **Yes** | **No** | **N/A** |
| --- | --- | --- | --- | --- |
|  | **Hydraulics Pre-Design Meeting** |  |  |  |

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| --- | --- | --- | --- | --- |
|  | Current version of [Guidelines for Drainage Studies and Hydraulic Design](https://connect.ncdot.gov/resources/hydro/Pages/DrainageStudiesGuidelines.aspx) (Guidelines) used to complete drainage design |  |  |  |

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|  | Received the approved roadway Design Recommendation Plan Set from Project Manager |  |  |  |
|  | HPR was reviewed prior to meeting and any commitments, design assumptions, undersized structures, preliminary stormwater management strategies, etc. were discussed. |  |  |  |
|  | Drainage design assumptions prepared. |  |  |  |
|  | Hydraulic design criteria prepared |  |  |  |
|  | All programs shown in Table 1.3 of the [Post-Construction Stormwater Program Manual](https://connect.ncdot.gov/resources/hydro/Pages/Highway-Stormwater-Program.aspx) that may impact Post-Construction Stormwater Management have been identified. |  |  |  |
|  | NCDOT Division staff contacted for historical flooding issues, other drainage issues, or any other pertinent information. |  |  |  |
|  | A list of any design questions has been prepared in advance of the Pre-Design Meeting |  |  |  |
|  | Pre-Design Checklist for Drainage Study and Hydraulic Design completed per Chapter 9 of the Guidelines |  |  |  |
|  | Hydraulics Pre-Design Meeting has been conducted. At a minimum Hydraulic Design Lead, NCDOT Hydraulic Reviewer, NCDOT Hydraulic Supervisor or their designee, NCDOT Project Manager should be invited. |  |  |  |
|  | Hydraulics Pre-Design Meeting Minutes prepared and submitted for approval |  |  |  |
|  | Division consulted for special design preferences (SBG placement, replace all pipes, etc.). |  |  |  |
|  | Drainage design assumptions & Hydraulic design criteria finalized after Pre-Design Meeting & Division consultation |  |  |  |

*For items marked* ***No*** *that require further explanation, provide comments or action items in the table below.*

| **Item #** | **Comments and Action Items** |
| --- | --- |
| Click to edit. | Click to edit. |

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| --- | --- | --- | --- |
| **This checklist may not be comprehensive to every project. All items may not be applicable for smaller projects. It is the responsibility of the reviewer to ensure that all necessary information has been provided and an adequate review performed.** | | | |
| **QC Reviewer Name:** | | Click to edit. | **Date:** | Click to edit. | |
| **QC Reviewer (Signature):** | |  |  |  | |