Stantec

CLOMR Submittal Initial Screening Checklist

Project Name:	**Painted Hills Development**	**Date:**	**December 19, 2018**
Location:	**City of Spokane Valley, Washington**	**Reviewer:**	**Zach Whitten, PE**

Item	Description	Required (Y/N)	Received (Y/N)	Comment
Sealed Report/Narrative	Provide a written description, certified by a registered Professional Engineer, about the purpose of the request, the scope of the proposed project, and the methodology used to analyze the project effects.	Y	Y/N	A narrative is provided but is not sealed. Initial screening of the narrative appears to be unclear. A lot of documents were provided but it is unclear if all documents are to be submitted with CLOMR or how they tie-in to application.
Review Fee Payment	Not included as part of the initial CLOMR submittal	Y	Y	Payment of $7,000 is stated but no basis given. CLOMR has a unique pay structure and should be reviewed
MT-2 Application Forms	Provide completed forms applicable to your request. Ensure that MT-2 Form 1 signed by the requester, certifying engineer and each community affected by the revision.	Y	Y	MT-2 forms are completed but it appears that the there are 3 streams being affected but only one Form 2 and Form 3 is filled out. Forms should be filled out for each affected stream/reach. Also, no community signature is provided. Given the study location includes two communities (City of Spokane Valley and Spokane County), two signatures may be required
Community Acknowledgment	Is the acknowledgment of the study from all communities effected by change	Y	N	Does not appear that the County of Spokane has acknowledged project.
State Approval	If required, does the application required approval from the state	N	N	Does not appear that the State of Washington requires special approval
Hydrologic Analysis	Provide a FEMA acceptable hydrologic analysis in digital format, drainage area map and associated backup information (e.g., calculations used to determine lag time, CN and loss values as well as landuse and soil maps).	Y	N	Hydrologic models are provided digitally but a detailed writeup of the analysis is not provided within the CLOMR application. More detail will need to provided. Also, no spatial files associated with models were found. Spatial files will be required to verify model validity
Hydraulic Analysis	Provide a FEMA acceptable hydraulic analysis in digital formaand associated backup information (e.g., calculations used to determine manning's n-values, etc.)	Y	Y/N	Hydraulic models are provided digitally but not spatial files or calculation sheets were received with model. All spatial files associated with the models should be included
Sediment Transport	Submit an analysis of sediment transport. If sediment transport will not affect the base flood elevation (BFE) or a structure, then indicate that this section is not applicable, and include an explanation as to why a sediment analysis was not performed.	Y	N	No statement about sediment transport is made. Will sediment transportion have an effect on the perfomance of the infiltration basin? A statement should be provided regarding this answer
Certified Topographic Work Map	Please provide a certified topographic work map that meets the mapping requirements outlined in MT-2 Form 2	Y	Y/N	Workmaps are provided but are not stamped. No other topography was provided thus in workmap with the topography will need to be stamped. Also, the application states that the LiDAR that was used in the effective 2003 study was used, but no shapefiles of the LiDAR, statement of accuracy or survey report was provided. Though the LiDAR may have been used in the effective study, the reviewer will not have access to the data, nor will he or she know if hte mapping meets current standards
Annotated FIRM	Submit a revised FIRM, at the scale of the effective FIRM, which shows the revised boundary delineation of the base floodplain, 0.2-percent-annual chance floodplain, and regulatory floodway and how it ties into the boundary delineation shown on the effective FIRM at the downstream and upstream ends of the revised reach	Y	Y	Annoted FIRM Provided. It is noted that a portion of the floodplain outside of the highlighted "affected area" is different from the effective floodplain. Did this study modify this floodplain? It is located just east of the "affected area" polygon.
Annoted FWDT	Submit Annotated Floodway Data Table comparing the results of the hydraulic models corresponding to those discussed in the Narrative.	Y	Y	Provided
Annotated Profiles	Submit annotated revised flood profiles	Y	Y	Provided
Proposed/as-built plans	All plans asscoaited with project, as-built or proposed, should be submitted with a certified engineer stamp.	Y	Y	Provided
65.10 Requirements	If the project involves levees, floodwalls or berms, documentation should be provided that demonstrates that 65.10 requirements have been meet.	N	N	Not required for this study
Property Owner Notification	Submit example documentation of legal notice to be sent to all affected property owners within and outside of the community, explaining the impact of the proposed action on their property. Documentation to be sent after technical review is complete.	Y	N	Not provided
Floodway Notice	If the revision result in changing or establishing floodway boundaries, please provide floodway public notice or a statement by your community that it has notified all affected property owners, in compliance with NFIP regulation Subparagraph 65.7(b)(1).	Y	N	Not provided

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Endangered Species Act Compliance	Submit documentation of compliance with the ESA requirements. To learn more about ESA compliance, please see the MT-2 Instructions manual.	Y	Y	Provided
Operation and Maintenance Plan	If the request involves a berm, levee, flood wall, dam, and/or detention basin project, please submit an officially adopted maintenance and operation plan.	Y	Y	Provided
Digital Spatial Data	Provide digital computer-aided design (CAD) or geographic information system (GIS) data that are spatially referenced that are associated with determining floodplain boundaries, flood profiles, floodway boundaries, all data necessary to demonstrate that the physical modifications to the floodplain, hydrologic and hydarulic modeling, etc.	Y	N	Files associated with determining floodplain boundaries, flood profiles, floodway boundaries, all data necessary to demonstrate that the physical modifications to the floodplain, hydrologic and hydarulic modeling need to br provided. The submittal did not contain any of these files.