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| A black circle with white text and a field with a sun and a field  Description automatically generated  **Town of Lowell**  501 East Main Street  Lowell, Indiana, 46356  219-696-7794  [stormwater@lowell.net](mailto:stormwater@lowell.net)  www.lowell.net | **Construction/ Stormwater Pollution Prevention Plan Technical Review**  Name of Local Ordinace  Link to Local Ordinance  **IDEM Construction Stormwater General Permit:**  <https://www.in.gov/idem/stormwater/construction-land-disturbance-permitting/>  (INRA00000 effective 12/18/2021) | |
| **Construction/Stormwater Pollution Prevention Plan Technical Review and Comment** | | |
| **Project Name:**        **Scope of Project:**  **County(ies):**  **Latitude:**       **Longitude:** | | **Plan Submittal Date:**  **Click here to enter a date.**  **Plan Review Date:**  **Click here to enter a date.** |
| **Plan Preparer:**       **Affiliation:**  **Address:**  **City:**       **State:**       **Zip:**  **Phone:**       **Cell Phone:**       **Email:** | | |
| **Project Site Owner:**       **Company Name (if applicable):**  **Address:**        **City:**       **State:**       **Zip:**  **Phone:**       **Cell Phone:**       **Email:** | | |
| **Plan Reviewer:**       **Affiliation:**       **On behalf of:**  **Address:**        **City:**       **State:**       **Zip:**  **Phone:**       **Cell Phone:**       **Email:** | | |

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| **Plan Review Status:** | | |
|  | **Plan is Adequate** | A comprehensive plan review has been completed and it has been determined that the plan satisfies the minimum requirements of the Relevant Local Ordinance(s) and the Construction Stormwater General Permit INRA00000 (Effective 12-18-2021). |
|  | **Preliminary Review** | A comprehensive review will not be completed at this time. The plan review authority reserves the right to perform a comprehensive review at a later date, and revisions may be required at that time. |
|  | **Conditional Acceptance** | Acceptance of the plan is conditional. The conditional acceptance is contingent upon addressing the issues identified in the comment sections. |
|  | **Plan is Deficient** | Significant deficiencies were identified and must be addressed. Refer to the comment sections. |
| **Action:** | | |
|  | **Submit a Notice of Intent:**   * Submit the Notice of Intent (NOI) online through the IDEM Regulatory ePortal. It is required to upload a copy of this review form when submitting the NOI through the IDEM Regulatory ePortal: (<https://stormwater.idem.in.gov/ncore/external/home>) | |
|  | **Do not file a Notice of Intent or commence land-disturbing activities:** Deficiencies must be adequately addressed and an  acceptable plan review completed. | |
|  | **Comments:** Refer to Plan Review Comments Sections of this document. | |
|  | **Revisions:** Update and submit the revised Construction/Stormwater Pollution Prevention Plan as indicated below. | |
|  | Update and submit a complete plan set that addresses plan deficiencies. | |
|  | Update and submit a document (narrative and/or plan sheets) that address plan deficiencies. | |
|  | Update and submit a complete plan set that addresses plan deficiencies. A comprehensive plan review will not be completed. | |

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| **Plan Review Information** | | | | |
| * *The technical review and comment is intended to evaluate the completeness of the Construction/Stormwater Pollution Prevention Plan for the project. The Plan submitted was not reviewed for the adequacy of engineering design. All measures included in the plan, as well as those recommended in the comments should be evaluated as to their feasibility by a qualified individual with structural measures designed by a qualified engineer. The Plan has not been reviewed for other local, state, or federal permits that may be required to proceed with this project.* * *Additional information, including design calculations may be requested to further evaluate the plan.* * *All proposed stormwater pollution prevention measures and those referenced in this review must meet the design criteria and standards set forth in the "Indiana Stormwater Quality Manual" from the Indiana Department of Environmental Management or similar Guidance Documents.* * *Construction activities and unforeseen weather conditions may affect the performance of the erosion and sediment control system, individual measures, or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute measures as necessary to ensure compliance.* | | | | |
| **Section A: Construction Plan Elements** | | | | |
| **Adequate** | **Deficient** | **NA** | **A** | *The construction plan elements include general information associated with the project site that are critical for the evaluation of the stormwater pollution prevention plan component. This information includes, but is not limited to an index, resource information, reference maps, grading information, project layout and design, and drainage plan* |
|  |  |  | **1** | Index of the location of required plan elements in the construction plan |
|  |  |  | **2** | A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads |
|  |  |  | **3** | Narrative of the nature and purpose of the project |
|  |  |  | **4** | Latitude and longitude to the nearest fifteen (15) seconds |
|  |  |  | **5** | Legal description of the project site |
|  |  |  | **6** | 11 X 17-inch plat showing building lot numbers/boundaries and road layout/names |
|  |  |  | **7** | Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways |
|  |  |  | **8** | Land use of all adjacent properties |
|  |  |  | **9** | Identification of a U.S. EPA approved or established TMDL |
|  |  |  | **10** | Name(s) of the receiving water(s) |
|  |  |  | **11** | Identification of discharges to a water on the current 303d list of impaired waters and the pollutant(s) for which it is impaired |
|  |  |  | **12** | Soil map of the predominant soil types |
|  |  |  | **13** | Identification and location of all known wetlands, lakes and water courses on or adjacent to the project site (construction plan, existing site layout) |
|  |  |  | **14** | Identification of any other state or federal water quality permits or authorizations that are required for construction activities |
|  |  |  | **15** | Identification and delineation of existing cover, including natural buffers |
|  |  |  | **16** | Existing topography at a contour interval appropriate to indicate drainage patterns |
|  |  |  | **17** | Location(s) of where run-off enters the project site |
|  |  |  | **18** | Location(s) of where run-off discharges from the project site prior to land disturbance |
|  |  |  | **19** | Location of all existing structures on the project site |
|  |  |  | **20** | Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management |
|  |  |  | **21** | Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features |
|  |  |  | **22** | Size of the project area expressed in acres |
| **Adequate** | **Deficient** | **NA** | **A** | *The construction plan elements include general information associated with the project site that are critical for the evaluation of the stormwater pollution prevention plan component. This information includes, but is not limited to an index, resource information, reference maps, grading information, project layout and design, and drainage plan* |
|  |  |  | **23** | Total expected land disturbance expressed in acres |
|  |  |  | **24** | Proposed final topography |
|  |  |  | **25** | Locations and approximate boundaries of all disturbed areas |
|  |  |  | **26** | Location, size, and dimensions of all stormwater drainage systems, such as culverts, storm sewers, and conveyance channels |
|  |  |  | **27** | Locations of specific points where stormwater and non-stormwater discharges will leave the project site |
|  |  |  | **28** | Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas |
|  |  |  | **29** | Location of all on-site soil stockpiles and borrow areas |
|  |  |  | **30** | Construction support activities that are expected to be part of the project |
|  |  |  | **31** | Location of any in-stream activities that are planned for the project including, but not limited to stream crossings and pump arounds |
| **Section A – Comments:**   * Evaluate areas with potential waters of the state and, where required, verify if permits/authorizations are required prior to any impacts to waters of the state.  These potential resources include areas with hydric soil, hydrophytic vegetation, pooling water, or evidence of flowing water such as swales, ditches, drains, or natural conveyances.  Evaluation of hydric soil, hydrophytic vegetation, or pooling water should conform to the US Army Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, and the applicable regional supplement <https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/reg_supp/>.  Avoidance and minimization of impacts to waters of the state should be prioritized. | | | | |

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| **Section B: Stormwater Pollution Prevention Plan – Erosion and Sediment Control/Project Site Management** | | | | |
| **Adequate** | **Deficient** | **NA** | **B** | *The construction component of the Stormwater Pollution Prevention Plan includes stormwater quality measures to address erosion, sedimentation, and other pollutants associated with land disturbance and construction activities. Proper implementation of the plan, maintenance of measures, and administering a self-monitoring program is required to manage the project site to minimize the discharge of sediment and other pollutants. Construction activities and unforeseen weather conditions may affect the performance of the erosion and sediment control system, individual measures, or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute measures as necessary to ensure compliance.* |
|  |  |  | **1** | Description of the potential pollutant generating sources and pollutants, including all potential non-stormwater discharges |
|  | | | | Where applicable, Items in 2 through 10 below will be evaluated for Location, dimensions, detailed specifications, and construction details |
|  |  |  | **2** | Stable construction entrance locations and specifications |
|  |  |  | **3** | Specifications for temporary and permanent stabilization |
|  |  |  | **4** | Sediment control measures for concentrated flow areas |
|  |  |  | **5** | Sediment control measures for sheet flow areas |
|  |  |  | **6** | Run-off control measures |
|  |  |  | **7** | Stormwater outlet protection locations and specifications |
|  |  |  | **8** | Grade stabilization structure locations and specifications |
|  |  |  | **9** | Dewatering applications and management methods |
|  |  |  | **10** | Measures utilized for work within waterbodies |
|  |  |  | **11** | Maintenance guidelines for each proposed temporary stormwater quality measure |
|  |  |  | **12** | Planned construction sequence describing the relationship between implementation of stormwater quality measures in relation to land disturbance |
|  |  |  | **13** | Provisions for erosion and sediment control on individual building lots regulated under the proposed project |
|  |  |  | **14** | Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2-6.1 |
|  |  |  | **15** | Material handling and storage procedures associated with construction activity |
| **Section B – Comments:**   * Stormwater quality measures for the reduction of sediment have not been evaluated for adequacy of design. The proposed measures included in this SWP3 are being accepted based on the design engineer’s submittal. | | | | |

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| **Section C: Stormwater Pollution Prevention Plan – Post-Construction** | | | | | |
| **Adequate** | **Deficient** | **NA** | **C** | *The post-construction component of the Stormwater Pollution Prevention Plan includes the implementation of stormwater quality measures to address pollutants that will be associated with the final project land use. Post-construction stormwater measures should be functional upon completion of the project. Long term functionality of the measures is critical to their performance and should be monitored and maintained.* |
|  |  |  | **1** | Description of pollutants and their sources associated with the proposed land use |
|  |  |  | **2** | Description of proposed post-construction stormwater measures |
|  |  |  | **3** | Plan details for each stormwater measure |
|  |  |  | **4** | Sequence describing stormwater measure implementation |
|  |  |  | **5** | Maintenance guidelines for proposed post-construction stormwater measures |
|  |  |  | **6** | Entity that will be responsible for operation and maintenance of the post-construction stormwater measures |
| **Section C – Comments:**   * Post-construction stormwater quality and quantity measures have not been evaluated for adequacy of design. The proposed measures included in this SWP3 are being accepted based on the design engineer’s submittal. * The rate of stormwater run-off and/or volume from the project site must meet local requirements to address stormwater quantity as established by ordinance or other regulatory mechanism. When a local requirement does not exist, the post-development run-off discharge from the project site must not exceed the pre-development discharge based on the two-year, ten-year, and one-hundred-year peak storm events. | | | | |