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| Worksheet 1: Infiltration Feasibility Categorization | | | | | |
| ***Categorization of Infiltration Feasibility Condition*** | | | | ***Page 1 of 5*** | |
| ***Part 1: Physical Limitations of Infiltration***  Based on the criteria for physical limitations of infiltration described in Section 4.2.2.2, what level of physical feasibility of infiltration is the maximum that the BMP location will support? | | | | | |
| 1 | **Physical Infiltration Feasibility Category** | **Mark applicable category** | **Next step** | | |
| Full Infiltration of the DCV |  | Continue to Part 2 | | |
| Biotreatment with Partial Infiltration |  | Continue to Part 3 | | |
| Biotreatment with No Infiltration |  | Select and Utilize Biotreatment without Infiltration | | |
| Provide summary of basis:  Summarize findings of studies, provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| ***Categorization of Infiltration Feasibility Condition*** | | | | ***Page 2 of 5*** | |
| ***Part 2: Risks Limiting Full Infiltration of the DCV –****Would infiltration of the full DCV introduce risks of undesirable consequences that cannot reasonably be mitigated?* | | | | ***Yes*** | ***No*** |
| 2 | * + **Would infiltration of the DCV pose significant risk for groundwater related concerns?** Use criteria described in Section 4.2.2.3 and results from **Worksheet 2** (Appendix C) to describe groundwater-related infiltration feasibility criteria. | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| 3 | * + **Would infiltration of the full DCV** **pose significant risk of increasing risk of geotechnical hazards that cannot be mitigated to an acceptable level**? Use criteria described in Section 4.2.2.4. | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| 4 | Would infiltration of the DCV cause an increase in groundwater flow or decrease in surface runoff over predevelopment conditions that would cause **impairment to downstream beneficial uses, such as change of seasonality of ephemeral washes or increased discharge of contaminated groundwater to surface waters?** Use criteria in Section 4.2.2.5 | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| ***Categorization of Infiltration Feasibility Condition*** | | | | ***Page 3 of 5*** | |
| ***Part 2 (continued): Risks Limiting Full Infiltration of the DCV –****Would infiltration of the full DCV introduce risks of undesirable consequences that cannot reasonably be mitigated?* | | | | ***Yes*** | ***No*** |
| 5 | Is there substantial evidence that infiltration of the DCV would **result in a significant increase in I&I to the sanitary sewer** that cannot be sufficiently mitigated? | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| 6 | * + Would infiltration of the DCV **violate downstream water rights**? | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| **Part 2 Result** | If the answer to all questions 2-6 are “No”, then the DMA is categorized as “Full Infiltration” for the purposes of LID BMP type selection. Describe finding.  At the Preliminary/Conceptual WQMP phase, describe the additional design-phase testing required to confirm this determination and identify contingencies for final design.  At the Final Project WQMP phase, identify any required construction-phase testing and identify the design contingencies that should result based on construction-phase testing.  If the answer to any of questions 2-6 is “Yes” then the site cannot be categorized as “Full Infiltration”. Continue to Part 3: Partial Infiltration Feasibility | | |  | |
| ***Categorization of Infiltration Feasibility Condition*** | | | | ***Page 4 of 5*** | |
| ***Part 3: Partial Infiltration Feasibility Criteria –****Would infiltration of any appreciable volume of stormwater result in risks of undesirable consequences that cannot reasonably be mitigated?* | | | | ***Yes*** | ***No*** |
| 8 | **Would use of biotreatment BMPs with partial infiltration pose significant risk for groundwater related concerns?** Refer to criteria in Section 4.2.2.3 and Worksheet 1 (Appendix C) for guidance on groundwater-related infiltration feasibility criteria. | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| 9 | * + **Would the use of biotreatment BMPs with partial infiltration pose elevated risks of geotechnical hazards that cannot be mitigated to an acceptable level**? Refer to Section 4.2.2.4. | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| 10 | **Would the use of biotreatment BMPs with partial infiltration elevate risks or introduced conflicts related to groundwater balance, inflow and infiltration, or water rights?** Refer to Section 4.2.2.5. Note: this is uncommon and must be supported by site-specific analysis if it is used as a basis to reject biotreatment with partial infiltration. | | |  |  |
| Provide basis:  Summarize findings of studies provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability. | | | | | |
| ***Categorization of Infiltration Feasibility Condition*** | | | | ***Page 5 of 5*** | |
| **Part 3 Result** | If the answer to all questions 8-10 are “No”, then the DMA is categorized as “Biotreatment with Partial Infiltration” for the purposes of LID BMP type selection.  If the answer to any of questions 8-10 is “Yes” then the site is categorized as “Biotreatment with No Infiltration” for the purposes of LID BMP type selection. | | |  | |