

APPENDIX G

Infiltration Feasibility Worksheet

Infiltration Feasibility Worksheet

City of Salinas

Stormwater Development Standards

Complete this worksheet for Projects subject to Requirement 3 to determine the feasibility of treating the stormwater runoff generated by the 85th percentile storm event through either direct or indirect infiltration BMPs.

Complete this worksheet for Projects subject to Requirement 4 to determine the feasibility of treating and retaining the stormwater runoff generated by the 95th percentile storm event by employing direct or indirect infiltration BMPs. Size BMP(s) selected by following the procedures in Section 4 of the City of Salinas Stormwater Development Standards for New Development and Redevelopment Projects.

If infiltration feasibility differs among the project Drainage Management Areas (DMAs), this worksheet shall be filled out for each condition.

This Infiltration Feasibility worksheet identifies conditions on project sites, other than infiltration rates, that would prohibit infiltration. For projects with low design infiltration rates, where infiltration is deemed feasible by this worksheet, the project will be designed to permit incidental disposal but shall not be intended for total infiltration of stormwater runoff.

1. Enter Project Data.

- 1.1 Project Name: _____
- 1.2 Project Address: _____
- 1.3 Applicant/Agent Name: _____
- 1.4 Applicant/Agent Address: _____
- 1.5 Applicant/Agent Email: _____ Applicant / Agent Phone: _____
- 1.6 Evaluated DMA(s): _____

2. Evaluate infiltration feasibility.

Check "Yes" or "No" to indicate whether the following conditions apply to the project. If "Yes" is checked for any question, then infiltration is infeasible, and you can continue to Item 3.1 without answering any further questions in Section 2. If all of the answers in Section 2 are "No," then infiltration is feasible. If infiltration is infeasible, STOP after Section 3. If infiltration is feasible, proceed to Section 4 to determine direct infiltration feasibility. If all of the answers in Section 4 are "No," then direct infiltration is feasible.

- | | Yes | No |
|--|--------------------------|--------------------------|
| 2.1 Would infiltration facilities at this site conflict with the location of existing or proposed underground utilities or easements, or would the siting of infiltration facilities at this site result in their placement on top of underground utilities, or otherwise oriented to underground utilities, such that they would discharge to the utility trench, restrict access, or cause stability concerns? (If yes, attach evidence documenting this condition.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.2 Is there a water well within 100 feet of the location where an infiltration device would be constructed? (If yes, attach map showing the well.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.3 Would construction of an infiltration device require that it be located less than 100 feet away from a septic system, other potential underground source of pollution, or less than 500 feet away from an underground fuel tank with hazardous materials? (If yes, attach evidence documenting this claim.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.4 Is there a seasonal high groundwater that would be within 5 feet of the base of an infiltration device constructed on the site? (If yes, attach documentation of high groundwater.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.5 Is there a documented concern that there is a potential on the site for soil or groundwater pollutants to be mobilized or is there any known groundwater contamination plume that could be further dispersed by infiltration at the subject location? If known contaminated plume is within 500 feet, evaluate to determine mobilization concern. (If yes, attach documentation of mobilization concerns.) | <input type="checkbox"/> | <input type="checkbox"/> |

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- | | Yes | No |
|---|--------------------------|--------------------------|
| 2.6 Do local water district or other agency's policies or guidelines regarding the locations where infiltration may occur, the separation from seasonal high groundwater, or setbacks from potential sources of pollution prevent infiltration devices from being implemented at this site? (If yes, attach evidence documenting this condition.) | <input type="checkbox"/> | <input type="checkbox"/> |

3. Results of Feasibility Determination

- | | Infeasible | Feasible |
|--|--------------------------|--------------------------|
| 3.1 Based on the results of the Section 2 feasibility analysis, infiltration is (check one): | <input type="checkbox"/> | <input type="checkbox"/> |

If infiltration is feasible, proceed to Section 4 to determine if Direct Infiltration is feasible. If infiltration is infeasible, stop here.

4. Is Direct Infiltration Feasible?

- | | Yes | No |
|---|--------------------------|--------------------------|
| 4.1 Is there a seasonal high groundwater that would be within 10 feet of the base of an infiltration device constructed on the site? (If yes, attach documentation of high groundwater.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.2 Are there land uses that pose a high threat to water quality – including but not limited to industrial and light industrial activities, high vehicular traffic (i.e., 25,000 or greater average daily traffic on a main roadway or 15,000 or more average daily traffic on any intersecting roadway), automotive repair shops, car washes, fleet storage areas, or nurseries? (If yes, attach evidence documenting this claim.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.3 Is there a significant potential for spills or highly polluted runoff to be conveyed to the infiltration system? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.4 Is there a water well within 150 feet of the location where an infiltration device would be constructed? (If yes, attach map showing the well.) | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.5 Would construction of an infiltration device require that it be located less than 150 feet away from a septic system, other potential underground source of pollution? (If yes, attach evidence documenting this claim.) | <input type="checkbox"/> | <input type="checkbox"/> |

5 Results of Direct Infiltration Feasibility Determination

- | | Infeasible | Feasible |
|---|--------------------------|--------------------------|
| 5.1 Based on the results of the Section 4 feasibility analysis, direct infiltration is (check one): | <input type="checkbox"/> | <input type="checkbox"/> |

Name of Applicant (Print)

Name of Applicant (Sign)

Date