APPENDIX C: MAINTENANCE CHECKLIST

Detention Basin Inspection and Maintenance Checklist

Date _____ **Basin Name/Location** _____

Inspector _____ **Title** _____ **Affiliation** _____

Type of Inspection ☐ **Annual** ☐ **After a Storm Event**

General Requirements

- Basins shall be maintained to perform as designed for the life of the project and shall not be converted to a different use without written review and approval from the District.

- Basins shall be inspected annually and after storm events.

Basin Component	Maintenance Items to Inspect	Acceptable	Requires Maintenance	If maintenance is required, describe corrective action
Inlet	• Erosion or under cutting • Finished grades maintained • Clear of debris • Clear of sediment • Not blocked by vegetation or trash • Evidence of material cracking/damage • Riprap in tact • Evidence of tears/holes in filter fabric	**Yes** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	**Yes** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	_____ _____ _____ _____
Outlet	• Erosion or under cutting • Finished grades maintained • Clear of debris • Clear of sediment • Not blocked by vegetation or trash • Evidence of material cracking/damage • Riprap in tact • Evidence of tears/holes in filter fabric	**Yes** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	**Yes** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	_____ _____ _____ _____

		Yes	Yes	
Slopes	• Erosion, rilling or settling • Invasive non-native plants present • Design slope maintained • Dumped or grouted riprap in tact • Foundation soil loss • Filter fabric migration • Filter fabric tears	☐ ☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐ ☐ ☐	_____ _____ _____ _____
Retaining walls	• Erosion or settling • Foundation soil lost/soil subsidence • Sign of tipping • Evidence of material cracking/damage • Clogged weep holes	☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐	_____ _____ _____
Depth	• Design depth maintained • Sediment accumulation • Accumulation exceeds 10% of design volume	☐ ☐ ☐	☐ ☐ ☐	_____ _____
Floor	• Positive slope to outlet maintained • Compacted soil • Areas of ponding • Evidence of oil, grease, or chemicals • Invasive non-native plants present • Trash present • Homeless camps	☐ ☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐ ☐ ☐	_____ _____ _____ _____

		Yes	Yes	
Storage	• Design volume maintained • Evidence of ponding	☐ ☐	☐ ☐	_____
Sign	• Present • Wording visible	Yes ☐ ☐	Yes ☐ ☐	_____
Perimeter Wall	• Erosion at the footer • Structural Damage	Yes ☐ ☐	Yes ☐ ☐	_____
Security Barrier	• Erosion at the footer • Structural Damage	Yes ☐ ☐	Yes ☐ ☐	_____
Elevation	• Finish grades maintained	Yes ☐	Yes ☐	_____
Access	• Blocked/Obstructed	Yes ☐	Yes ☐	_____
Landscaping	• Overgrown vegetation • Roots undermining basin components	Yes ☐ ☐	Yes ☐ ☐	_____
Pump	• Alarm system working • Trash or debris present	Yes ☐ ☐	Yes ☐ ☐	_____
Other	_____ _____ _____			