

Kapolei Interchange Complex, Phase 2

APPENDIX A

Permanent BMP Checklist and Project Records

Summary of Proposed Permanent BMPs

Hydrodynamic Device: Stormceptor – Inline Stormceptor

PERMANENT BMP CHECKLIST AND PROJECT RECORD

Project Name: Interstate Route H-1, Kapolei Interchange Complex Phase 2

Addition and Modification of Freeway Access

Project Number: IM-H1-1

Project Route/Milepost: H-1 Mile Post -

Advertise Date: TBD

0.341 to 0.729

Exemptions (check all that apply)

<input type="checkbox"/>	Projects that do not generate 1 acre or more of new permanent impervious surface
<input type="checkbox"/>	Project returns the area to pre-development runoff conditions.
<input type="checkbox"/>	Project is a utility project (check applicable type) <input type="checkbox"/> Pipeline <input type="checkbox"/> Conduit <input type="checkbox"/> Traffic Sign/Signal
<input type="checkbox"/>	Projects that are not continuous or involve several locations which may collectively generate 1 acre or more of new permanent impervious surface.
<input type="checkbox"/>	Projects that do not discharge runoff into any waters of the United States.

If none of the above is checked, the project must provide permanent BMPs

Water Quality Control:

Water quality volume required: _____ cubic feet

Water quality volume provided: _____ cubic feet

Type of BMP used: _____

Attach on a separate sheet a detailed description of the Permanent BMPs to be incorporated into the design and the appropriate maintenance requirements.

Water Quality Control: (Where applicable)

Existing Site Runoff:

10-year:	_____	cubic feet per second
25-year:	_____	cubic feet per second
50-year:	11.07	cubic feet per second
100-year:	_____	cubic feet per second

Proposed Site Runoff:

10-year:	_____	cubic feet per second
25-year:	_____	cubic feet per second
50-year:	13.56	cubic feet per second
100-year:	_____	cubic feet per second

Type of BMP used: Flow-through Based

Description: Hydrodynamic Device - Stormceptor - Inline Stormceptor

Summary of Proposed Permanent BMPs

Hydrodynamic Device: Stormceptor – Inline Stormceptor

The Hydrodynamic Device is a manufactured flow-through based stormwater treatment system designed to mechanically remove pollutants and sediments using a non-turbulent treatment environment to allow free oils to rise and sediment to settle. The Hydrodynamic Device is installed near the outlet of the drain system and is designed to treat the required water quality flow rate while having the capacity to pass the peak storm runoff flow rate. The Hydrodynamic Device is manufactured by Stormceptor and consists of a standard frame and cover and mix of concrete and fiberglass components that formulate the tank.

Maintenance includes the periodic inspection and removal of oil, sediments, and trash by using a vacuum truck. Sediment and trash removal would require use of a vacuum truck and should occur once the sediment depth reaches 15% of storage capacity. The manufacturer cautions that a licensed waste management company should remove captured petroleum waste products and handling and disposal should comply with regulations of the Department of Health.